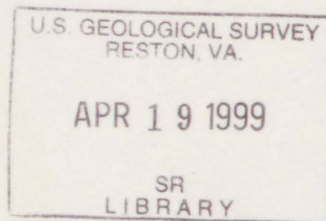
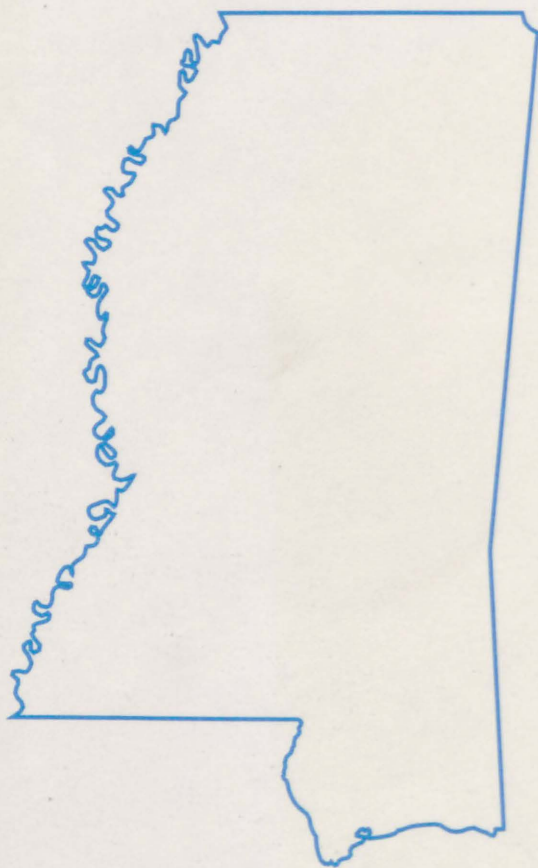


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Water Resources Data Mississippi Water Year 1998

Water-Data Report MS-98-1



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



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

CALENDAR FOR WATER YEAR 1998

1997

[illegible]

1998

JANUARY							FEBRUARY							MARCH						
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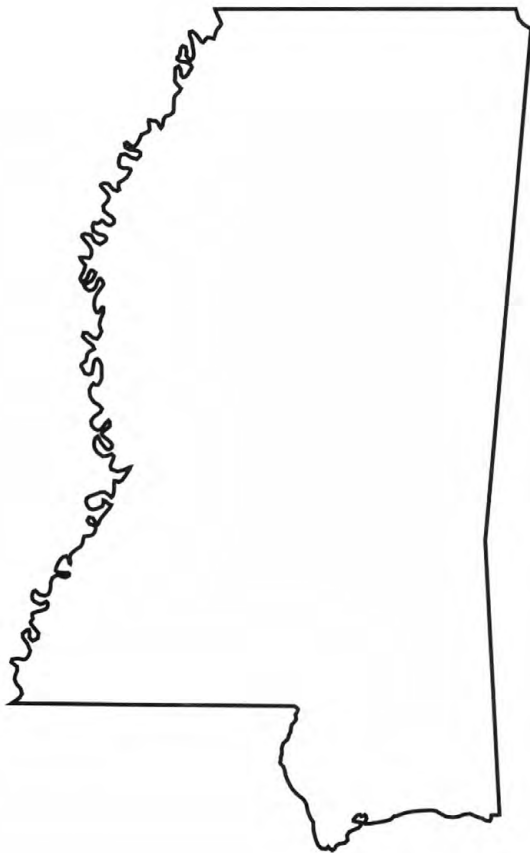
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Water Resources Data Mississippi Water Year 1998

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

Water-Data Report MS-98-1



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



U.S. DEPARTMENT OF THE INTERIOR

BRUCE BABBITT, Secretary

U.S. GEOLOGICAL SURVEY

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District Chief, Water Resources Division
U.S. Geological Survey
308 South Airport Road
Pearl, Mississippi 39208-6649

1999

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 Leonard R. Frost, Jr., District Chief, Mississippi.

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13. ABSTRACT (Maximum 200 words) Water resources data for the 1998 water year for Mississippi consist of records of surface water and ground water in the State. Specifically, it contains: (1) Discharge records for 97 streamflow-gaging stations, stage records for 19 of these gaging stations, discharge records for 73 partial-record or miscellaneous streamflow stations, including 7 flood hydrograph partial-record stations, 51 crest-stage partial-record stations, and 15 special study and miscellaneous sites; (2) stage only at 1 gaging station; (3) water-quality records for 13 streamflow-gaging stations, 3 partial-record or miscellaneous sites, 8 short-term study sites, and 43 wells; and (4) water-level records for 34 observation wells. Records obtained from water-resources investigations are also included in special sections of the report. These data represent that part of the National Water Data System operated by the U.S. Geological Survey, and cooperating local, State, and Federal agencies in Mississippi.			
14. SUBJECT TERMS *Mississippi, *Hydrologic data, *Surface water, *Ground water, Water quality, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water analyses, Water levels.		15. NUMBER OF PAGES 298	16. PRICE CODE
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[Letter after station name designates type of data: (d) discharge, (g) gage height, (c) chemical, (m) microbiological, (t) water temperature, (s) sediment, (r) radiochemical, (p) pesticide, (f) field values; temperature, pH, dissolved-oxygen, specific conductance]

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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
PEARL RIVER BASIN			
Lobutchia Cr near Carthage, MS (d)	02482500	309.0	1937-60
Pearl R near Lena, MS (d)	02483500	1981.0	1937-53
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

Discontinued surface-water discharge or stage-only stations

Station name	Station number	Drainage area (mi ²)	Period of record
TENNESSEE RIVER BASIN			
Yellow Cr near Doskie, MS (d)	03592800	143.0	1938-59 1973-78
Tennessee-Tombigbee Waterway at Cross Roads (e)	03592824	indeterminate	1981-95
HATCHIE RIVER BASIN			
Hatchie R near Walnut, MS (d)	07029270	274.0	1948-73
TUCSCUMBIA RIVER BASIN			
Tuscumbia R Canal near Corinth, MS (d)	07029300	277.0	1950-59
YAZOO RIVER BASIN			
Cane Cr near New Albany, MS (d)	07266000	22.2	1939-41
Cypress Cr near Etta, MS (d)	07268500*	28.5	1939-42
North Tippah Cr near Ripley, MS (d)	07269000*	20.0	1939-42
Clear Cr near Oxford, MS (d)	07271000	10.3	1939-41 1950-74
Little Tallahatchie R at Sardis, MS (d)	07272500	1545.0	1940-80
Tallahatchie R near Sardis, MS (d)	07273000	1595.0	1932-42
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
Tallahtchie R at Swan Lake, MS (d)	07281000	5130.0	1939-80
Yalobusha R at Graysport, MS (d)	07282500	607.0	1940-49
Skuna R near Coffeeville, MS (d)	07283500	435.0	1940-49
Yalobusha R at Grenada Dam near Grenada, MS (d)	07285000	1320.0	1961-80
Batupan Bogue at Grenada, MS (d)	07285400	240.0	1985-97
Askalmore Cr at Retention Dam near Cascilla, MS (d)	07285900	10.5	1967-74
Thompson Cr at McCarley, MS (d)	07286500	14.4	1957-64
Yazoo R at Greenwood, MS (d)	07287000	7450.0	1908-13 1928-80
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 Doloreso, MS (d)	07294500	1120.0	1940-51

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

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

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

Discontinued continuous-record surface-water-quality stations

Station name	Station number	Drainage area (mi ²)	Type of record	Period of record (water years)
MOBILE RIVER BASIN				
Mackeys Creek near Dennis, MS	02430000	66.9	k,h,t,o n s	1973-80 1975-80 1978-80
Mackeys Creek below Bay Springs Lock & Dam, MS	02430012	68.2	k h,t n,o s	1980, 82-83 1980-83 1980-82 1980, 82
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 t	1971-75 1971-72
Chickasawhay River at Enterprise, MS	02477000	918	k	1971-73
Pascagoula River at Merrill, MS	02479000	6,590	k t	1970-75 1970-72
Pascagoula River near Benndale, MS	02479020	6,680	k t	1976-81 1958-60, 76-81
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 n	1973-78 1976-78
Tenn-Tom Waterway at Cross Roads, MS	03592824	-	k,h,t,n,o s	1980-85 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 h s	1986-87 1987 1986-97
Otocalofa Creek Canal near Water Valley, MS	07274252	97.1	k,t,o h s	1985-87 1986-87 1985-97
Peters (Long) Creek near Pope, MS	07275530	79.2	k,h,t s	1987 1987-97
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 s	1986-88 1986-90
Coldwater River (Pompey Ditch) near Sledge, MS	07279800	1,404	k,t	1981-82
North Fork Tillatoba Creek near Teasdale, MS	07280460	30.8	s	1984-89
Batupan Bogue at Grenada, MS	07285400	240	k,h,t,o s	1985-87 1985-97
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 t	1975-93 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

WATER RESOURCES DATA - MISSISSIPPI, WATER YEAR 1998

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 97 streamflow-gaging stations, stage records for 19 of these gaging stations, discharge records for 73 partial-record or miscellaneous streamflow stations, including 7 flood hydrograph partial-record stations, 51 crest-stage partial-record stations and 15 special study and miscellaneous sites, (2) stage only at 1 gaging station, (3) water-quality records for 13 streamflow-gaging stations, 3 partial-record or miscellaneous sites, 8 short-term study sites, and 43 wells, and (4) water-level records for 34 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-98-1." 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, Kenneth Warren, Chief Engineer.
Pat Harrison Waterway District, Baxter F. Wade, Jr., Executive Director.
Pearl River Basin Development District, Mike Davis, Executive Vice President.
Pearl River Valley Water Supply District, Kenneth Griffin, General Manager.
Harrison County Board of Supervisors, Larry Benefield, President.
Harrison County Development Commission, Michael J. Olivier, Executive Director.
Jackson County Port Authority, Melody Bradley, Port Director.
City of Jackson, Harvey Johnson, Jr., Mayor.

Assistance with funds or services was provided by the U. S. Army Corps of Engineers in collecting records for 44 streamflow-gaging stations, 3 crest-stage gages, and 15 surface-water quality sites published in this report.

Organizations that provided data are acknowledged in station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow

Annual mean streamflow was normal in most streams in Mississippi during the 1998 water year. Comparisons of monthly mean and annual mean discharges in the 1998 water year with median values for the period 1961-90 were made for three representative gaging stations: Tombigbee River at Stennis Lock and Dam near Columbus, in northeastern Mississippi, Big Black River near Bovina, in central Mississippi, and Pascagoula River at Merrill, in southeastern Mississippi. The monthly mean discharges at these 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 Stennis Lock and Dam near Columbus was 21.75 inches for the water year, or 103 percent of the median annual runoff of 21.10 inches for the reference period 1961-90. Discharge was above normal in October, July, and August, when the monthly mean discharges were 240, 271, and 356 percent of the median monthly discharges for the reference period, respectively. Monthly mean discharges for other months were within the normal range.

Runoff of the Pascagoula River at Merrill was 24.95 inches for the water year, or 121 percent of the median annual runoff for the reference period (20.64 inches). Discharge was above normal in January and March, when the monthly mean discharges were 311 and 187 percent of the monthly median discharges, respectively, for the reference period. Discharge was below normal in August when the monthly mean discharge was 58 percent of the median discharge for the reference period. Monthly mean discharges for other months were within the normal range.

Runoff of the Big Black River near Bovina was 19.13 inches for the water year, or 108 percent of the median annual runoff for the reference period (17.67 inches). Discharge was below normal in the months of April, May, and September, when the monthly mean discharges were 24, 29, and 69 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 84,000 miles of rivers fully or partially supports designated uses. The major cause of impaired water quality is nonpoint agricultural runoff; lesser causes are industrial and municipal point-source discharges and runoff from nonagricultural nonpoint sources.

Dissolved-solids concentrations are low, generally less than 100 mg/L (milligrams per liter), in water from most streams in Mississippi. Dissolved-oxygen concentrations are generally greater than 5.0 mg/L and are lowest during the summer months when stream temperatures are high and streamflow velocities are low. Determinations of pH indicate that most streams are neutral to slightly acidic at most times. The minimum, median, and maximum values of dissolved-solids concentrations, dissolved-oxygen concentrations, and values of pH during water year 1998 for the National Water-Quality Assessment integrator station, 07288955 Yazoo River below Steele Bayou near Long Lake, Mississippi, 8.2 miles above its confluence with the Mississippi River, are presented in the following table:

Yazoo River below Steele Bayou near Long Lake, MS

Water year 1998

	<u>Minimum</u>	<u>Median</u>	<u>Maximum</u>
Dissolved-solids concentration, in milligrams per liter	53	70	177
Dissolved-oxygen concentration, in milligrams per liter	2.5	8.1	10.4
pH, in standard units	6.3	6.9	7.2

Ground-Water Levels

Ground-water levels in most artesian aquifers statewide continued long-term declines in the latter part of the 1998 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.

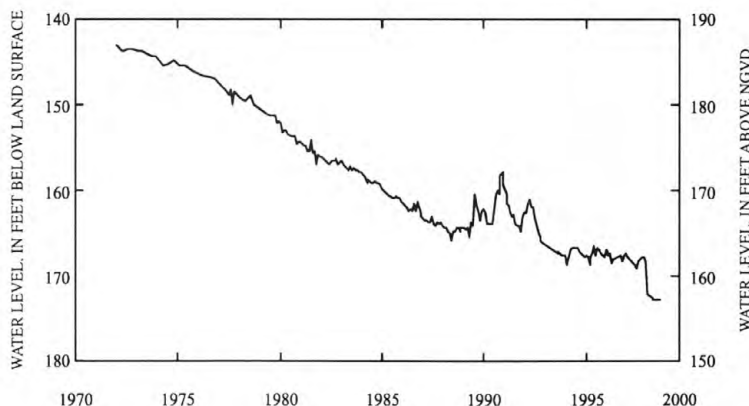


Figure 1.--Hydrographs of wells in the Cockfield and Sparta aquifers and in the Jackson metropolitan area.

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 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 4 feet. Wells screened in the Sparta Sand indicated declines of 2 to 6 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 Forest Hill Sand used primarily for domestic use declined slightly at selected sites.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 50 sites in small drainage basins around the country whose purpose is to provide consistent data on the 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 human activities.

National Stream-Quality Accounting Network (NASQAN) monitors the water quality of large rivers within four of the Nation's largest river basins--the Mississippi, Columbia, Colorado, and Rio Grande. The network consists of 39 stations. Samples are collected with sufficient frequency that the flux of a wide range of constituents can be estimated. The objective of NASQAN is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment Program (NAWQA); (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals.

National Atmospheric Deposition Program/National Trends Network (NADP/NTN) provides continuous measurement and assessment of the chemical climate of precipitation throughout the United States. As the lead federal agency, the USGS works together with over 100 organizations to accomplish the following objectives: (1) Provide a long-term, spatial and temporal record of atmospheric deposition generated from a network of 191 precipitation chemistry monitoring sites. (2) Provide the mechanism to evaluate the effectiveness of the significant reduction in SO₂ emissions that began in 1995 as implementation of the Clean Air Act Amendments (CAAA) occurred. (3) Provide the scientific basis and nationwide evaluation mechanism for implementation of the Phase II CAAA emission reductions for SO₂ and NO_x scheduled to begin in 2000.

Data from the network, as well as information about individual sites, are available through the world wide web at:

<http://nadp.nrel.colostate.edu/NADP>

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

Assessment activities are being conducted in 53 study units (major watersheds and aquifer systems) that represent a wide range of environmental settings nationwide and that account for a large percentage of the Nation's water use. A wide array of chemical constituents will be measured in ground water, surface water, streambed sediments, and fish tissues. The coordinated application of comparative hydrologic studies at a wide range of spatial and temporal scales will provide information for decision making by water-resources managers and a foundation for aggregation and comparison of findings to address water-quality issues of regional and national interest.

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

Additional information about the NAWQA Program is available through the world wide web at:

http://wwwrvares.er.usgs.gov/nawqa/nawqa_home.html

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 1998 water year that began October 1, 1997, and ended September 30, 1998. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage data for lakes and reservoirs, water-quality data for surface and ground water, and ground-water-level data. The locations of the stations and wells where the data were collected are shown in figures 4, 5, and 6. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

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

Downstream Order System

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

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

Latitude-Longitude System

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

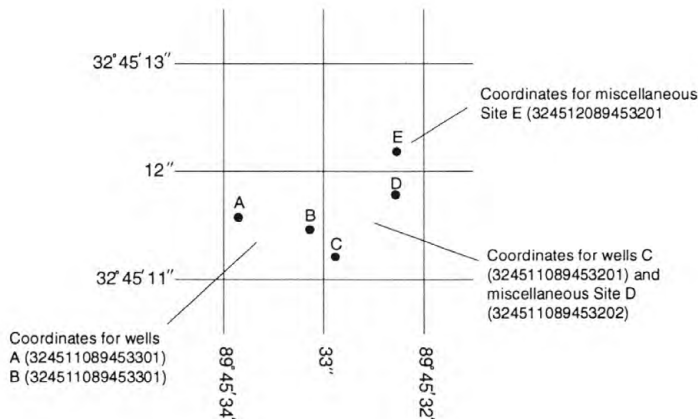


Figure 2.--System for numbering wells and miscellaneous sites (latitude and longitude).

Records of Stage and Water Discharge

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

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

Data Collection and Computation

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

Continuous records of stage are obtained with a water-stage recorder. Measurements of discharge are made using methods adopted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water-Resources Investigations (TWRI's), Book 3, Chapters A1 through A19 and Book 8, Chapters A2 and B2. The methods are consistent with the American Society for Testing and Materials (ASTM) standards and generally follow the standards of the International Organization for Standards (ISO).

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

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

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

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

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

Data Presentation

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

The records published for each continuous-record surface-water discharge station (gaging station) now consist of four parts, the manuscript or station description; the data table of daily mean values of discharge for the current 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 time. For example, 12:30 a.m. is 0030, and 1:30 p.m. is 1330. The minimum for the current water year appears in the summary statistics table at the bottom of the page.

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

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

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

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

Data table of daily mean values

The daily table of discharge records for stream-gaging stations give mean discharge for each day of the water year. In the monthly summary for the table, the line headed "TOTAL" gives the sum of the daily figures for each month; the line headed "MEAN" gives the maximum and minimum daily mean discharges, respectively, for each month. Discharge for the month also is usually expressed in cubic feet per second per square mile (line headed "CFSM"); or in inches (line headed "IN."); or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches or in acre-feet may be omitted if there is extensive regulation or diversion or if the drainage area includes large noncontribution areas. At some stations monthly and (or) yearly observed discharges are adjusted 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 of annual 7-day minimum flows use a climatic year (April 1 - March 31). The date shown in the summary statistics table is the initial date of the 7-day period. (This value should not be confused with the 7-day 10-year low-flow statistic.)

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

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

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

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

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

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

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

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

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

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

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

Identifying Estimated Daily Discharge

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

Accuracy of the Records

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

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

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

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

Other Records Available

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

Records of Surface-Water Quality

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

Classification of Records

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

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

Arrangement of Records

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

On-site Measurements and Sample Collection

In obtaining water-quality data, a major concern needs to be assuring that the data obtained represent the in situ quality of the water. To assure this, certain measurements, such as water temperature, pH, and dissolved oxygen, need to be made onsite when the samples are taken. To assure that measurements made in the laboratory also represent the in situ water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for onsite measurements and for collecting, treating, and shipping samples are detailed in TWRI Book 1, 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

Samples for biochemical-oxygen demand (BOD), samples for indicator bacteria, and daily samples for specific conductance are analyzed locally. Sediment samples are analyzed in the Geological Survey laboratory in Baton Rouge, Louisiana. All other samples are analyzed in the Geological Survey laboratories in Arvada, Colorado and Ocala, Florida. 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, NWIS. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from 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
		66666	Driller
810	Corps of Engineers, U.S. Army	80020	U.S. Geological Survey, National Water- Quality Laboratory, Denver, Colorado
1028	U.S. Geological Survey		
1053	National Park Service	81213	U.S. Geological Survey, Water-Quality Service Unit, Ocala, Florida
3315	Tennessee Valley Authority		
9728	Mississippi Department of Health	82213	U.S. Geological Survey, Water-Quality Service Unit, Baton Rouge, Louisiana
28001	Mississippi Office of Pollution Control		
28002	Mississippi Office of Geology	99001	Private Contractor
28003	Mississippi Office of Land and Water Resources	99999	Other

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 Analyte was detected in both the environmental sample and the associated blanks.

Dissolved Sulfate Analysis

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

Dissolved Trace-Element Concentrations

Traditionally, dissolved trace-element concentrations have been reported at the microgram per liter (mg/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 mg/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 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 USGS WATER DATA

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

<http://water.usgs.gov>

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

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.

Acid neutralizing capacity (ANC) is the equivalent sum of all bases or base-producing materials, solutes plus particulates, in an aqueous system that can be titrated with acid to an equivalence point.

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 326,000 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.

Alkalinity is the capacity of solutes in an aqueous system to neutralize acid.

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, while others perform an essential role in nature in the recycling of materials; for example, by decomposing organic matter into a form available for reuse by plants.

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

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°C ± 0.2°C on M-FC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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°C ± 1.0°C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. This group includes coliforms that inhabit the intestine of warm-blooded animals and those that inhabit soils. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria 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°C ± 1.0°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.

Bedload is the sediment which moves along in essentially continuous contact with the streambed by rolling, sliding, and making brief excursions into the flow a few diameters above the bed.

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

Benthic invertebrates are invertebrate animals inhabiting the bottoms of lakes, streams, and other water bodies. They are useful as indicators of water quality.

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

Biomass is the amount of living matter present at any given time, expressed as 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/m³), and periphyton and benthic organisms in grams per square meter (g/m²).

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.

DEFINITION OF TERMS--Continued

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 BOD 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.

Continuing-record station is a particular site where streamflow and/or water-quality data are collected on a regularly scheduled basis of once or more times daily, weekly, monthly, or quarterly, or at some intermediate frequency.

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

Cubic foot per second-day [$(\text{ft}^3/\text{s})/\text{d}$] is the volume of water represented by a discharge of 1 cubic foot per second for 24 hours. One cubic foot per second for 24 hours is equivalent to 86,400 cubic feet, approximately 1.9835 acre-feet, about 646,000 gallons, or 2,445 cubic meters.

Cubic foot per second per square mile [CFSM or $(\text{ft}^3/\text{s})/\text{mi}^2$] 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.

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.)

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

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

Dissolved is that material in a representative water sample which passes through a 0.45 μm membrane filter. This is a convenient operational definition used by Federal agencies that collect water data. Determinations of "dissolved" constituents are made on subsamples of the filtrate.

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

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

Drainage area of a stream at a specific 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.

DEFINITION OF TERMS--Continued

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

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 the equivalent concentration of calcium carbonate (CaCO_3).

High tide is the maximum height reached by each rising tide.

Hydrologic Bench-Mark Network is a network of 50 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 human activities.

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.

Low tide is the minimum height reached by each falling tide.

Mean high tide is the average of all high tides over a specified period.

Mean low tide is the average of all low tides over a specified period.

Mean tide level is the average of all tides over a specified period.

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.

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

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

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

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

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

Milligrams per liter (MG/L, mg/L) is a unit for expressing the concentration of chemical constituents in 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 dry sediment per liter of water-sediment mixture.

Miscellaneous station is a particular site where random streamflow and/or water-quality data are collected, often on a one-time basis, to provide better areal coverage in a river basin; or where data is collected once or more frequently, but not on a regular basis, as part of a project.

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

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

National Atmospheric Deposition Program/National Trends Network (NADP/NTN) provides continuous measurement and assessment of the chemical climate of precipitation throughout the United States. As the lead federal agency, the USGS works together with over 100 organizations to accomplish the following objectives: (1) Provide a long-term, spatial and temporal record of atmospheric deposition generated from a network of 191 precipitation chemistry monitoring sites. (2) Provide the mechanism to evaluate the effectiveness of the significant reduction in SO_2 emissions that began in 1995 as implementation of the Clean Air Act Amendments (CAAA) occurred. (3) Provide the scientific basis and nationwide evaluation mechanism for implementation of the Phase II CAAA emission reductions for SO_2 and NO_x scheduled to begin in 2000.

DEFINITION OF TERMS--Continued

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

National Stream Quality Accounting Network (NASQAN) monitors the water quality of large rivers within four of the Nation's largest river basins--the Mississippi, Columbia, Colorado, and Rio Grande. The network consists of 39 stations. Samples are collected with sufficient frequency that the flux of a wide range of constituents can be estimated. The objective of NASQAN is to characterize the water quality of these large rivers by measuring concentration and mass transport of a wide range of dissolved and suspended constituents, including nutrients, major ions, dissolved and sediment-bound heavy metals, common pesticides, and inorganic and organic forms of carbon. This information will be used (1) to describe the long-term trends and changes in concentration and transport of these constituents; (2) to test findings of the National Water-Quality Assessment Program (NAWQA); (3) to characterize processes unique to large-river systems such as storage and re-mobilization of sediments and associated contaminants; and (4) to refine existing estimates of off-continent transport of water, sediment, and chemicals for assessing human effects on the world's oceans and for determining global cycles of carbon, nutrients, and other chemicals.

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

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 of area habitat, usually square meter (m²), acre, or hectare. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

Organism count/volume refers to the number of organisms collected and enumerated in a sample and adjusted to the number per sample volume, usually milliliter (mL) or liter (L). Numbers of planktonic organisms can be expressed in these terms.

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

Parameter Code is a 5-digit number used in the U.S. Geological Survey's computerized data system, National Water Information System (NWIS), to uniquely identify a specific constituent. The codes used in NWIS are the same as those used in the U.S. Environmental Protection Agency's data system, STORET. The U.S. Environmental Protection Agency assigns and approves all request for new codes.

Partial-record station is a particular site where streamflow and/or water-quality data are collected systematically but on a limited frequency, usually less than quarterly, over a period of years.

Particle size is the diameter, in millimeters (mm), of 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 and 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.

DEFINITION OF TERMS--Continued

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.

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.

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 [$\text{mg C}/(\text{m}^2/\text{time})$] for periphyton and macrophytes and $\text{mg C}/(\text{m}^3/\text{time})$ 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 [$\text{mg O}_2/(\text{m}^2/\text{time})$] for periphyton and macrophytes and $\text{mg O}_2/(\text{m}^3/\text{time})$ 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.

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.

River mileage for a stream is determined in accordance with Bulletin No. 14 (October 1968) of the Water Resources Council. Bulletin No. 14 presents the council's adopted techniques for stream mileage measurements for use in all Federal planning involving water and related land resources in accordance with its function to effectuate the policies of the United States concerning water and related land resources.

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.

DEFINITION OF TERMS--Continued

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

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.

Suspended total residue at 105°C concentration is the concentration of suspended sediment in the sampled zone expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L). A small aliquot of the sample is used for the analysis.

Total-sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total 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 immersed 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 USGS topographic map as the boundary of the lake and measured by a planimeter in acres. In localities not covered by topographic maps, the areas are computed from the best maps available at the time planimetered. All areas shown are those for the stage when the planimetered map was made.

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

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

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative water-suspended sediment sample that is retained on a 0.45 µm 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.

DEFINITION OF TERMS--Continued

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 μ m 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.

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

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

Kingdom.....	Animal
Phylum.....	Arthropoda
Class.....	Insects
Order.....	Ephemeroptera
Family.....	Ephemeridae
Genus.....	<u>Hexagenia</u>
Species.....	<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 of the constituent, 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 period.

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 load is the quantity of any individual constituent, as measured by dry mass or volume that passes through a section during a specified period. It is computed by multiplying the total stream discharge, times the mg/L of the constituent, times the factor 0.0027, times the number of days.

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.

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.

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.

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

DEFINITION OF TERMS--Continued

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."

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- 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.
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- 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.
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- 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.
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- 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.
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- 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.
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- 9-A7. *National Field Manual for the Collection of Water-Quality Data: Biological Indicators*, by D. N. Myers and F. D. Wilde: USGS--TWRI Book 9, Chapter A7. 1997. 49 pages.
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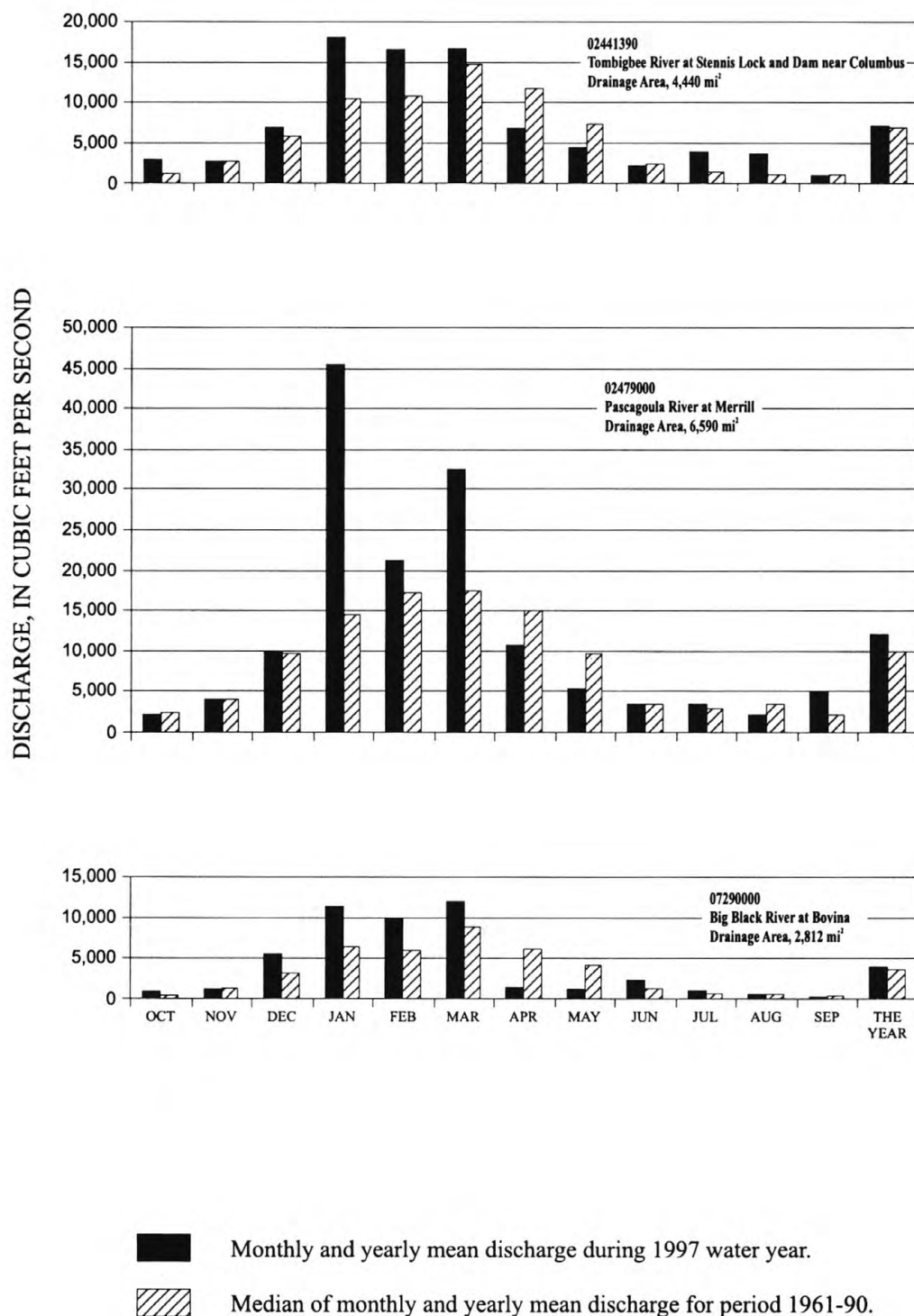


Figure 3.--Relation of discharge during 1998 water year with median discharge for period 1961-90 for three representative gaging stations.

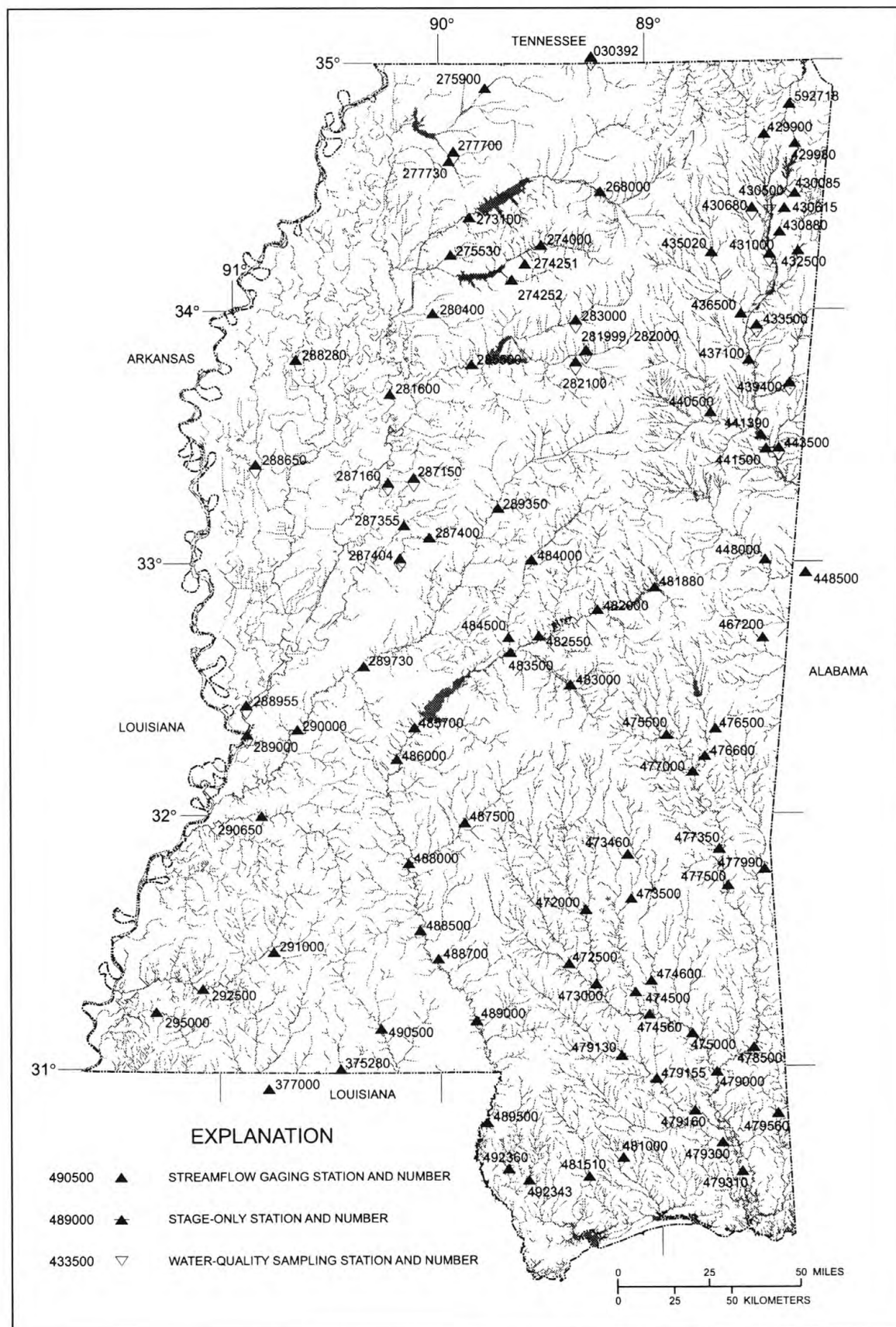


Figure 4.--Location of hydrologic-data stations.

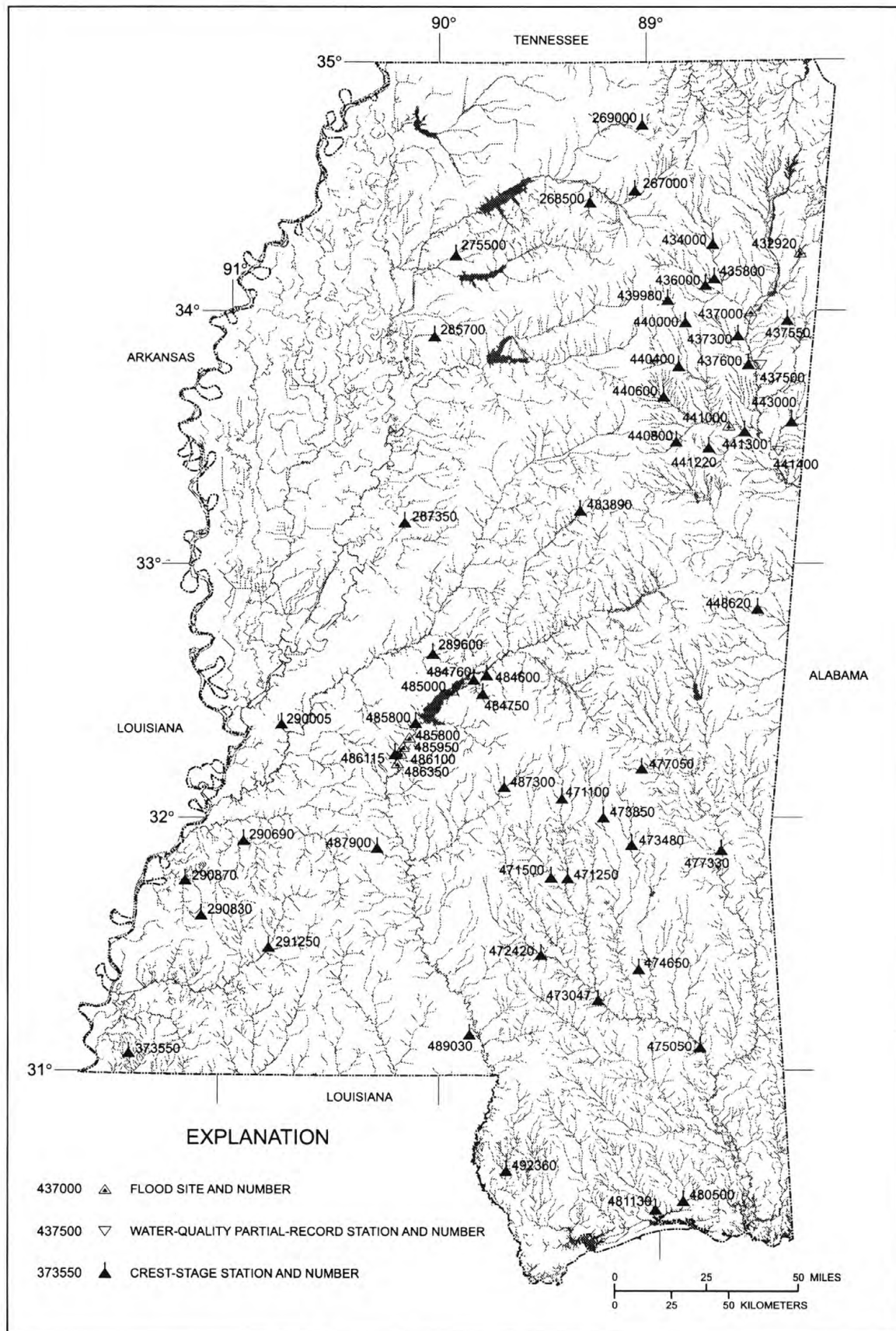


Figure 5.--Location of partial-record stations.

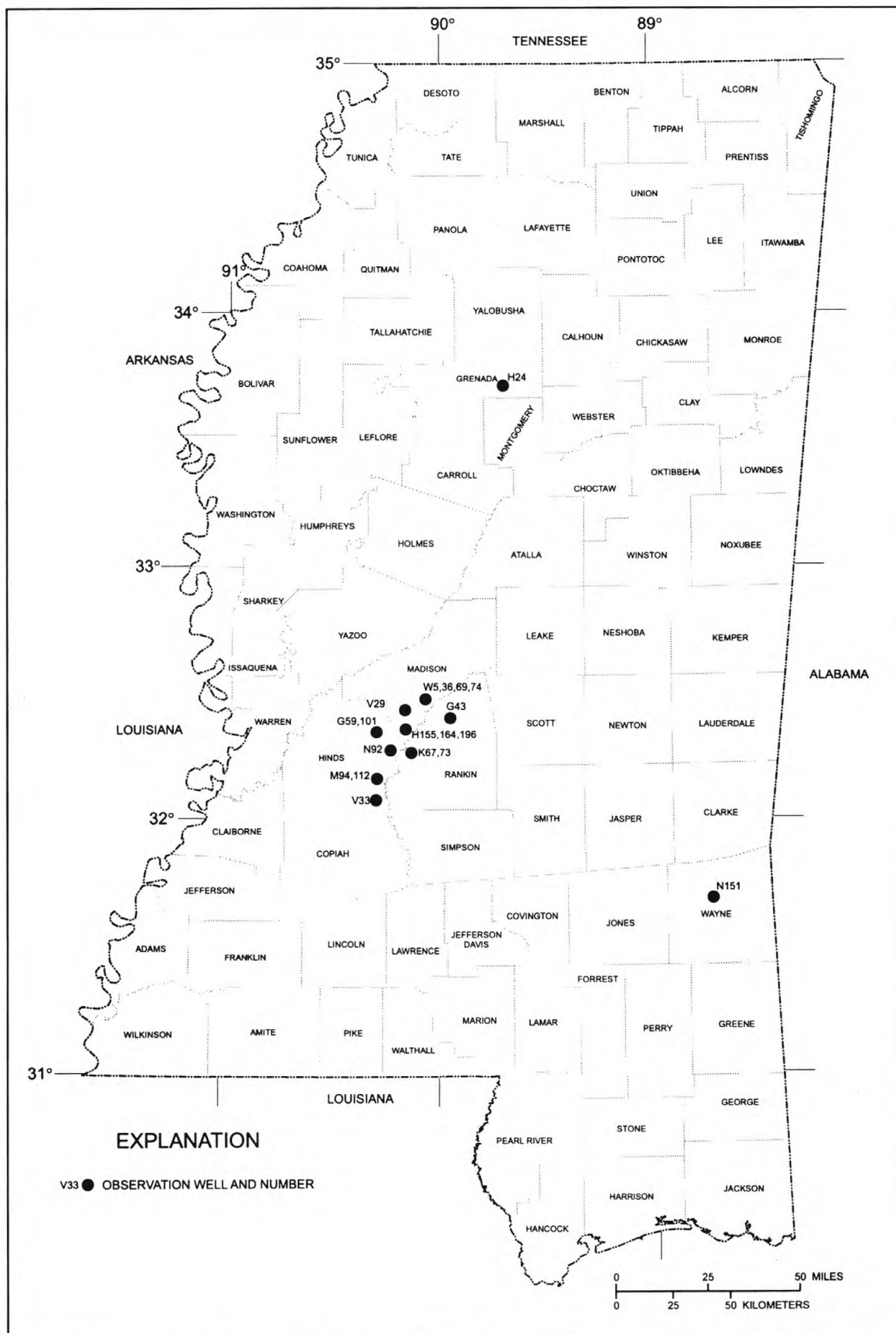


Figure 6.--Location of observation wells.

STATION RECORDS, SURFACE WATER

29

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: Oct. 1 - Dec. 9, Dec. 30 - Feb. 11, Mar. 5-18, and Jul. 22 - Sept. 30. Records poor. Satellite telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 17	1015	*1,010	*15.26				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e3.0	e7.1	e15	e24	e30	54	70	123	9.5	1.8	e1.5	e.54
2	e2.8	e6.3	e14	e21	e29	50	50	66	7.6	1.8	e1.4	e.53
3	e2.6	e4.9	e18	e22	e28	48	244	52	6.5	1.7	e1.5	e.52
4	e2.5	e5.0	e18	e22	e45	48	85	38	6.4	1.8	e1.5	e.53
5	e2.4	e5.1	e15	e45	e29	e80	66	31	17	2.0	e1.6	e.51
6	e2.3	e9.4	e14	e37	e30	e110	58	71	16	2.0	e2.0	e.52
7	e2.2	e6.7	e13	e145	e29	e125	56	119	10	1.8	e3.1	e.52
8	e2.1	e5.8	e16	e149	e30	e120	54	56	7.8	1.6	e1.9	e.51
9	e3.4	e5.5	e19	e47	e31	e90	51	38	7.5	1.6	e1.5	e.50
10	e3.7	e5.7	56	e70	e31	e54	48	31	7.8	1.8	e2.7	e.49
11	e3.4	e5.7	18	e64	e104	e50	47	25	7.6	1.8	e4.9	e.51
12	e3.3	e5.9	15	e110	59	e48	45	21	7.4	2.3	e3.2	e.53
13	e3.8	e6.7	13	e55	51	e47	44	21	8.5	8.8	e5.0	e.51
14	e6.1	e9.3	12	e45	51	e45	44	21	7.0	15	e6.6	e.50
15	e4.0	e7.6	12	e58	49	e35	43	19	5.5	6.3	e6.0	e.51
16	e3.9	e7.2	11	e110	181	e40	43	18	4.8	4.5	e3.5	e.52
17	e4.2	e7.8	12	e90	471	e47	46	14	4.1	2.3	e2.3	e.53
18	e4.7	e8.4	13	e55	141	e53	103	12	3.5	1.8	e1.4	e.51
19	e5.3	e8.8	12	e45	90	55	129	10	3.3	1.5	e1.0	e.62
20	e5.6	e13	13	e38	73	74	56	11	3.1	1.2	e.88	e.87
21	e7.0	e10	19	e33	62	55	49	10	3.1	.97	e.80	e.62
22	e8.9	e11	20	e39	74	51	48	9.3	2.9	e1.3	e.78	e.51
23	e7.6	e9.9	18	e42	89	49	45	8.5	2.6	e1.7	e.70	e.55
24	e13	e9.2	446	e30	63	52	42	9.3	2.5	e2.5	e.70	e.53
25	e13	e10	77	e29	57	49	40	11	2.3	e1.9	e.67	e.67
26	e16	e12	62	e30	64	47	37	16	2.2	e2.5	e.63	e.54
27	e4.0	e13	74	e29	75	45	45	108	2.1	e4.0	e.61	e.52
28	e4.2	e13	77	e30	58	45	568	24	2.0	e2.0	e.59	e.53
29	e4.3	e16	64	e28	---	45	145	22	2.0	e1.7	e.57	e.52
30	e4.5	e16	e28	e28	---	44	318	21	2.2	e1.5	e.55	e.51
31	e5.1	---	e27	e29	---	61	---	17	---	e1.4	e.54	---
TOTAL	158.9	262.0	1241	1599	2124	1816	2719	1053.1	174.8	84.87	60.62	16.28
MEAN	5.13	8.73	40.0	51.6	75.9	58.6	90.6	34.0	5.83	2.74	1.96	.54
MAX	16	16	446	149	471	125	568	123	17	15	6.6	.87
MIN	2.1	4.9	11	21	28	35	37	8.5	2.0	.97	.54	.49
MED	4.0	8.1	18	39	58	50	50	21	5.2	1.8	1.5	.52
CFSM	.19	.32	1.48	1.90	2.80	2.16	3.34	1.25	.22	.10	.07	.02
IN.	.22	.36	1.70	2.19	2.92	2.49	3.73	1.45	.24	.12	.08	.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1998, BY WATER YEAR (WY)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
MEAN	9.20	37.4	70.6	81.5	81.0	92.0	80.2	68.8	34.1	11.9	6.86	7.32														
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	1992	1979															
MIN	.59	1.00	4.57	7.99	25.6	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 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1973 - 1998	
ANNUAL TOTAL	17692.2		11309.57			
ANNUAL MEAN	48.5		31.0		48.3	
HIGHEST ANNUAL MEAN					94.6	
LOWEST ANNUAL MEAN					15.0	
HIGHEST DAILY MEAN	1400	Mar 3	568	Apr 28	2580	May 26 1991
LOWEST DAILY MEAN	2.1	Sep 22	.49	Sep 10	.11	Sep 2 1988
ANNUAL SEVEN-DAY MINIMUM	2.4	Sep 17	.51	Sep 8	.12	Aug 27 1988
INSTANTANEOUS PEAK FLOW			1010	Feb 17	3900	Apr 17 1970
INSTANTANEOUS PEAK STAGE			15.26a	Feb 17	99.97	Apr 17 1970
ANNUAL RUNOFF (CFSM)	1.79		1.14		1.78	
ANNUAL RUNOFF (INCHES)	24.29		15.52		24.24	
10 PERCENT EXCEEDS	95		70		94	
50 PERCENT EXCEEDS	24		12		20	
90 PERCENT EXCEEDS	3.5		.69		1.1	

e Estimated

a May have been higher during periods of estimated discharge.

MOBILE RIVER BASIN

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 daily discharges: Nov. 26 - Dec. 22. Records good except estimated daily discharges, which are poor. Satellite telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
May 6	1515	*80	*3.42				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	5.4	e7.2	5.0	4.9	6.3	9.2	12	5.9	3.4	3.1	3.2
2	4.0	5.1	e6.0	5.0	5.6	6.3	8.1	11	5.9	3.1	3.1	3.1
3	4.4	5.0	e7.2	5.0	7.0	6.1	10	10	5.9	3.1	3.1	3.1
4	4.3	5.0	e7.8	5.2	6.5	6.6	8.4	9.8	5.7	3.1	3.1	3.1
5	4.4	4.6	e6.7	8.3	5.5	8.5	8.0	9.6	5.8	3.1	3.1	3.1
6	4.4	6.3	e5.6	6.0	5.4	11	7.9	19	5.6	3.1	3.3	3.1
7	4.7	5.1	e5.4	15	5.1	8.7	7.9	14	5.5	3.1	5.5	3.1
8	4.8	5.1	e6.0	9.9	5.1	13	8.0	11	5.5	3.1	4.3	3.1
9	4.8	4.9	e6.2	6.9	5.1	8.3	8.3	10	5.2	3.1	4.2	3.1
10	4.8	4.8	e15	6.0	5.1	7.2	8.3	11	5.1	3.1	3.3	3.1
11	4.7	4.7	e9.0	11	9.6	6.8	8.0	10	4.9	3.8	10	3.1
12	4.7	4.5	e6.5	8.4	5.7	6.7	7.9	10	4.8	3.2	8.0	3.1
13	6.0	4.8	e6.0	6.5	5.5	6.6	8.0	9.6	5.3	3.1	5.1	3.1
14	5.3	4.6	e5.6	5.9	5.4	6.3	8.8	8.9	4.7	3.1	5.9	3.1
15	4.5	4.3	e5.2	7.3	5.7	6.4	8.6	9.0	4.4	3.1	15	2.9
16	4.3	4.2	e4.8	10	11	6.6	8.8	8.4	4.3	8.2	9.4	2.7
17	4.3	4.5	e4.5	6.6	14	7.3	8.4	8.2	4.3	3.5	6.7	2.7
18	4.3	4.7	e4.4	6.6	7.9	7.4	13	7.9	4.3	3.4	5.6	2.7
19	4.2	4.5	e4.4	6.3	6.8	9.2	11	7.7	4.3	3.1	7.1	2.7
20	3.9	4.5	e5.2	5.5	6.3	8.8	9.5	7.5	4.3	3.1	6.1	7.3
21	5.7	5.3	e6.8	5.5	5.9	7.4	9.7	8.2	4.2	3.1	4.8	8.0
22	4.7	5.0	e5.6	6.6	7.4	7.3	9.6	8.2	3.9	2.9	3.9	5.5
23	4.3	5.1	4.7	5.8	6.8	6.9	9.5	7.3	3.5	2.9	3.7	3.4
24	7.4	4.8	13	5.3	5.9	7.8	9.4	7.5	3.7	4.0	3.5	3.1
25	5.9	5.0	5.9	5.0	5.9	7.4	9.3	7.3	3.5	3.5	3.5	3.0
26	7.3	e5.0	5.5	4.7	10	7.4	9.3	7.3	3.5	3.4	3.5	2.7
27	4.6	e5.0	5.6	5.2	8.1	7.5	9.9	8.0	3.5	6.6	3.5	2.7
28	4.4	e5.6	5.1	4.7	6.8	7.3	22	6.8	3.5	6.3	3.5	2.7
29	4.7	e7.4	5.7	4.7	---	7.0	12	6.9	3.5	3.8	3.5	2.7
30	4.7	e9.6	5.3	5.0	---	6.7	17	6.7	3.5	3.5	3.5	2.7
31	5.4	---	5.1	5.0	---	11	---	6.5	---	3.4	3.3	---
TOTAL	150.0	154.4	197.0	203.9	190.0	237.8	293.8	285.3	138.0	112.3	155.2	101.0
MEAN	4.84	5.15	6.35	6.58	6.79	7.67	9.79	9.20	4.60	3.62	5.01	3.37
MAX	7.4	9.6	15	15	14	13	22	19	5.9	8.2	15	8.0
MIN	3.9	4.2	4.4	4.7	4.9	6.1	7.9	6.5	3.5	2.9	3.1	2.7
CFSM	2.41	2.56	3.16	3.27	3.38	3.82	4.87	4.58	2.29	1.80	2.49	1.67
IN.	2.78	2.86	3.65	3.77	3.52	4.40	5.44	5.28	2.55	2.08	2.87	1.87

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1998, BY WATER YEAR (WY)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
MEAN	4.50	5.96	7.33	7.23	7.34	8.96	7.62	7.37	4.94	4.27	4.09	4.45														
MAX	7.30	14.0	17.7	25.2	16.0	26.4	15.8	27.7	8.49	6.73	6.31	15.4														
(WY)	1978	1978	1983	1974	1991	1973	1983	1991	1997	1994	1979	1979														
MIN	3.10	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 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1973 - 1998

ANNUAL TOTAL	2058.9	2218.7	
ANNUAL MEAN	5.64	6.08	
HIGHEST ANNUAL MEAN			6.17
LOWEST ANNUAL MEAN			9.88
HIGHEST DAILY MEAN	43	Mar 3	3.79
LOWEST DAILY MEAN	3.3	Aug 23	328
ANNUAL SEVEN-DAY MINIMUM	3.6	Sep 1	1.7
INSTANTANEOUS PEAK FLOW			1.8
INSTANTANEOUS PEAK STAGE			1200
ANNUAL RUNOFF (CFSM)	2.81		9.02
ANNUAL RUNOFF (INCHES)	38.11		3.07
10 PERCENT EXCEEDS	7.8		41.69
50 PERCENT EXCEEDS	4.8		9.1
90 PERCENT EXCEEDS	3.8		4.5
			3.1

e Estimated

MOBILE RIVER BASIN

31

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: May 8-28, Jun. 12 - Jul. 11, and Jul. 16-23. Records fair except for estimated daily discharges, which are poor. Satellite telemeter and U.S. Army Corps of Engineers radio telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Oct. 25	2300	*894	*11.30	Jul. 27	1430	583	10.61

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.4	32	20	18	27	66	49	95	13	e3.8	11	4.4
2	7.0	21	16	17	31	58	31	72	13	e3.8	8.9	4.2
3	6.9	15	21	17	42	52	32	65	12	e3.8	8.0	4.0
4	6.9	13	22	16	57	52	28	56	12	e4.0	7.2	3.9
5	6.4	12	19	43	34	99	27	49	12	e4.4	6.6	3.8
6	6.0	20	16	28	28	152	26	41	11	e4.1	6.2	3.8
7	6.0	16	15	220	24	106	26	50	10	e3.8	16	3.7
8	5.9	14	17	153	22	176	28	39	9.6	e3.7	107	3.7
9	5.8	13	18	86	20	90	29	e32	9.0	e4.0	37	3.5
10	6.0	13	45	68	20	55	24	e28	8.5	e4.2	17	3.4
11	5.9	12	23	88	95	45	24	e25	8.2	e4.0	28	3.5
12	5.8	13	19	83	46	39	23	e21	8.4	e15	36	3.6
13	6.3	14	17	66	36	36	23	e21	8.6	96	22	3.7
14	12	18	16	59	31	33	22	e20	8.5	45	17	3.6
15	7.8	14	15	75	29	31	21	e19	8.7	23	48	3.5
16	7.0	13	15	111	110	30	23	e18	9.0	e15	45	3.6
17	6.9	14	14	72	200	34	23	e16	e8.3	e9.0	20	3.7
18	7.0	14	14	90	96	37	80	e15	e7.5	e6.5	14	3.6
19	7.0	14	13	91	66	65	79	e14	e6.8	e5.0	11	3.6
20	6.9	14	13	68	54	80	39	e13	e6.2	e4.3	9.3	3.7
21	8.9	16	21	60	45	47	33	e13	e5.7	e3.9	8.1	4.7
22	10	17	19	74	54	39	31	e12	e5.2	e4.3	7.4	4.4
23	8.0	15	16	63	59	36	28	e12	e4.9	e6.7	6.8	4.0
24	37	14	139	54	43	35	26	e12	e4.7	12	6.3	3.8
25	228	14	43	49	39	32	25	e12	e4.5	9.3	6.0	3.7
26	182	14	29	47	115	30	24	e11	e4.3	9.5	5.6	3.6
27	25	14	29	45	119	29	24	e15	e4.1	141	5.2	3.7
28	16	15	23	38	79	27	118	e20	e4.0	44	4.9	3.7
29	13	19	28	34	---	27	66	31	e4.5	21	4.8	3.6
30	11	28	24	31	---	26	169	16	e4.0	16	4.7	3.6
31	11	---	20	29	---	53	---	14	---	13	4.5	---
TOTAL	686.8	475	759	1993	1621	1717	1201	877	236.2	543.1	539.5	113.3
MEAN	22.2	15.8	24.5	64.3	57.9	55.4	40.0	28.3	7.87	17.5	17.4	3.78
MAX	228	32	139	220	200	176	169	95	13	141	107	4.7
MIN	5.8	12	13	16	20	26	21	11	4.0	3.7	4.5	3.4
MED	7.0	14	19	60	44	39	28	20	8.4	6.5	8.9	3.7
CFSM	1.41	1.01	1.56	4.09	3.69	3.53	2.55	1.80	.50	1.12	1.11	.24
IN.	1.63	1.13	1.80	4.72	3.84	4.07	2.85	2.08	.56	1.29	1.28	.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1998, 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	1996	1997	1998	
MEAN	12.2	26.1	43.1	38.8	46.2	48.5	38.1	36.8	20.0	12.0	9.74	8.18													
MAX	24.5	64.5	128	79.9	108	119	117	207	86.3	50.2	21.7	34.5													
(WY)	1976	1987	1991	1979	1990	1980	1991	1991	1997	1989	1997	1979													
MIN	3.68	5.00	10.2	10.2	16.6	20.2	8.58	3.85	3.25	3.15	2.54	2.08													
(WY)	1979	1982	1982	1986	1992	1982	1986	1992	1988	1977	1981	1987													

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1975 - 1998
ANNUAL TOTAL	12516.7	10761.9	
ANNUAL MEAN	34.3	29.5	28.2
HIGHEST ANNUAL MEAN			58.0
LOWEST ANNUAL MEAN			12.6
HIGHEST DAILY MEAN	439	228	1200
LOWEST DAILY MEAN	5.2	3.4	1.4
ANNUAL SEVEN-DAY MINIMUM	5.2	3.5	1.6
INSTANTANEOUS PEAK FLOW		894	2330
INSTANTANEOUS PEAK STAGE		11.30	13.13
ANNUAL RUNOFF (CFSM)	2.18	1.88	1.80
ANNUAL RUNOFF (INCHES)	29.66	25.50	24.39
10 PERCENT EXCEEDS	76	70	54
50 PERCENT EXCEEDS	21	17	15
90 PERCENT EXCEEDS	7.2	4.0	3.7

e Estimated

MOBILE RIVER BASIN

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.

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, not determined, maximum gage height, not determined, minimum daily discharge, 88 ft³/s, Jun. 29.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	99	181	128	242	269	392	---	---	144	92	118	134
2	98	191	120	228	254	346	412	---	131	91	114	131
3	98	147	138	215	324	318	---	487	127	102	105	132
4	96	134	207	213	382	308	---	391	124	134	103	128
5	96	132	161	388	323	---	411	327	143	136	123	131
6	99	209	143	---	292	---	355	295	190	128	131	132
7	98	209	136	---	273	---	327	447	147	129	175	126
8	97	160	135	---	265	---	318	375	126	123	158	127
9	96	144	172	---	253	---	374	294	120	125	228	128
10	92	136	---	---	249	---	331	269	117	132	125	110
11	95	130	341	---	---	479	296	246	113	133	117	116
12	92	125	238	---	---	422	267	224	106	130	---	140
13	93	122	205	---	410	388	255	208	120	163	396	145
14	132	152	180	---	342	358	257	189	127	295	219	143
15	115	144	168	447	318	344	245	177	119	212	---	131
16	97	126	163	---	---	336	243	178	105	164	---	130
17	96	118	160	---	---	332	257	158	101	128	332	132
18	96	114	154	---	---	353	320	148	100	109	195	128
19	94	119	150	---	---	351	---	144	98	111	148	138
20	92	118	154	---	---	---	---	140	99	113	145	143
21	95	121	166	426	443	446	375	133	102	139	138	156
22	110	131	253	435	433	383	349	132	100	151	131	141
23	107	124	208	487	---	347	332	127	96	136	130	134
24	160	117	---	407	482	334	302	124	100	164	125	128
25	284	116	---	355	402	327	270	124	100	140	120	129
26	---	114	---	327	409	298	245	121	99	124	117	127
27	---	116	392	331	---	268	252	283	91	271	117	134
28	281	117	323	315	479	254	---	242	90	342	131	134
29	181	118	319	295	---	246	---	177	88	189	139	119
30	150	131	328	278	---	247	---	241	93	147	140	131
31	144	---	276	287	---	280	---	164	---	130	136	---
TOTAL	---	4116	---	---	---	---	---	---	3416	4683	---	3958
MEAN	---	137	---	---	---	---	---	---	114	151	---	132
MAX	---	209	---	---	---	---	---	---	190	342	---	156
MIN	---	114	---	---	---	---	---	---	88	91	---	110
CFSM	---	.45	---	---	---	---	---	---	.37	.49	---	.43
IN.	---	.50	---	---	---	---	---	---	.41	.57	---	.48

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: Oct. 1-8, Dec. 21 - Feb. 12, Feb. 16-19, 22-23, 26-28, Mar. 5-10, 20-21, Mar. 31 - Apr. 1, Apr. 18-20, 28-30, May 5 - Jun. 10, and Aug. 14 - Sept. 9. Records poor. Satellite telemeter and U.S. Army Corps of Engineers radio telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Oct. 25	2230	581	9.23	May 7	----	unknown	unknown
Feb. 17	----	*unknown	*unknown				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e7.5	21	14	e16	e20	21	e30	33	e12	4.7	7.2	e4.3
2	e7.7	16	11	e15	e22	20	21	25	e12	3.7	6.5	e4.2
3	e8.0	13	18	e14	e30	18	21	29	e11	3.2	6.1	e4.2
4	e7.9	12	15	e15	e55	19	19	24	e11	3.4	5.8	e4.3
5	e7.8	11	12	e40	e30	e100	19	e18	e17	3.5	5.4	e4.1
6	e7.7	22	10	e25	e23	e125	19	e45	e12	3.0	5.1	e4.0
7	e7.8	15	9.7	e150	e20	e80	19	e140	e9.5	2.8	9.1	e3.9
8	e7.9	12	13	e50	e18	e115	19	e70	e9.0	2.5	58	e3.8
9	8.1	12	13	e30	e16	e65	18	e37	e9.0	5.3	18	e3.7
10	8.1	11	41	e25	e17	e40	18	e21	e9.3	6.1	11	3.8
11	8.0	11	20	e30	e85	25	18	e18	7.2	7.1	12	4.1
12	7.7	11	17	e28	e22	23	16	e17	6.5	12	62	4.4
13	9.7	13	16	e22	19	23	15	e17	6.5	27	15	3.9
14	17	17	15	e20	18	23	15	e17	6.2	15	e10	3.8
15	10	13	14	e25	18	22	15	e16	5.5	12	e35	3.9
16	9.1	12	14	e60	e75	22	15	e15	5.1	11	e13	4.1
17	8.9	12	14	e28	e150	23	16	e15	5.1	8.0	e9.0	3.8
18	9.0	12	13	e30	e70	24	e65	e14	4.7	6.5	e5.0	3.8
19	8.9	12	13	e31	e50	23	e30	e14	4.5	5.9	e5.2	3.9
20	8.9	12	13	e23	22	e50	e25	e14	4.3	5.3	e4.9	5.4
21	9.7	15	e20	e20	20	e30	20	e13	4.1	4.9	e5.0	5.4
22	12	14	e17	e24	e37	24	21	e13	3.9	4.8	e4.7	4.6
23	10	12	e15	e22	e40	23	20	e13	3.7	5.2	e4.5	4.1
24	36	11	e100	e20	21	23	18	e13	3.6	7.0	e4.3	4.0
25	155	11	e35	e19	19	22	17	e13	3.5	7.3	e4.5	3.9
26	80	11	e25	e20	e100	20	17	e20	3.9	6.7	e4.4	3.9
27	21	11	e22	e21	e50	20	18	e95	2.9	28	e4.3	3.9
28	15	10	e20	e19	e33	20	e100	e25	2.7	16	e4.4	4.1
29	12	16	e21	e20	---	19	e50	e14	3.3	11	e4.5	4.3
30	11	24	e20	e22	---	19	e91	e13	3.5	10	e4.4	3.9
31	13	---	e18	e21	---	e40	---	e13	---	8.2	e4.3	---
TOTAL	550.4	405	618.7	905	1100	1121	805	844	202.5	257.1	352.6	123.5
MEAN	17.8	13.5	20.0	29.2	39.3	36.2	26.8	27.2	6.75	8.29	11.4	4.12
MAX	155	24	100	150	150	125	100	140	17	28	62	5.4
MIN	7.5	10	9.7	14	16	18	15	13	2.7	2.5	4.3	3.7
MED	9.0	12	15	22	23	23	19	17	5.3	6.5	5.4	4.0
CFSM	1.60	1.22	1.80	2.63	3.54	3.26	2.42	2.45	.61	.75	1.02	.37
IN.	1.84	1.36	2.07	3.03	3.69	3.76	2.70	2.83	.68	.86	1.18	.41

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1998, 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	1996	1997	1998	
MEAN	10.2	19.5	29.4	24.4	29.3	32.3	26.0	26.1	16.2	9.77	8.48	8.16													
MAX	21.3	46.3	95.7	47.1	78.0	71.3	82.8	134	61.0	19.8	20.9	18.3													
(WY)	1976	1987	1991	1979	1991	1980	1991	1991	1997	1994	1975	1975													
MIN	4.14	4.51	8.41	8.41	12.9	10.3	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 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1975 - 1998	
ANNUAL TOTAL	9639.0		7284.8			
ANNUAL MEAN	26.4		20.0		19.8	
HIGHEST ANNUAL MEAN					45.2	
LOWEST ANNUAL MEAN					9.80	
HIGHEST DAILY MEAN	497	Jun 17	155	Oct 25	984	May 3 1993
LOWEST DAILY MEAN	7.2	Sep 22	2.5	Jul 8	1.4	Aug 17 1988
ANNUAL SEVEN-DAY MINIMUM	7.4	Sep 17	3.2	Jul 2	1.5	Aug 27 1988
INSTANTANEOUS PEAK FLOW			unknown	Feb 17	1510	May 3 1993
INSTANTANEOUS PEAK STAGE			unknown	Feb 17	10.49	May 3 1993
ANNUAL RUNOFF (CFSM)	2.38		1.80		1.79	
ANNUAL RUNOFF (INCHES)	32.30		24.41		24.26	
10 PERCENT EXCEEDS	41		37		34	
50 PERCENT EXCEEDS	17		14		12	
90 PERCENT EXCEEDS	9.3		4.1		4.3	

e Estimated

MOBILE RIVER BASIN

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.

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: Nov. 13-19, Dec. 15-17, Mar 4-18, Apr. 26-29, May 21-26, Jun. 7-15, and Sept. 6-10. Records fair except for estimated discharges, which are poor. Satellite telemeter and U.S. Army Corps of Engineers radio telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharges 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. 17	1115	*8,140	*20.44				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.3	71	24	52	69	132	291	533	64	1.4	16	3.1
2	5.7	64	33	50	72	108	109	211	64	1.2	14	2.3
3	4.6	29	85	50	100	694	1020	150	64	1.6	9.1	2.2
4	4.0	22	37	852	121	e400	179	117	64	1.4	8.3	3.0
5	3.5	20	24	671	80	e600	133	94	129	1.4	7.7	3.3
6	3.4	19	21	1570	70	e1200	123	83	76	1.4	5.7	e2.0
7	3.2	18	44	1930	67	e400	150	104	e35	1.4	14	e1.9
8	3.0	26	608	819	63	e280	110	86	e20	1.1	11	e1.7
9	3.0	28	297	264	60	e200	96	74	e16	1.3	12	e1.8
10	3.0	21	92	280	60	e150	89	69	e13	2.9	8.8	e1.5
11	3.0	17	64	2080	1730	e130	84	69	e13	74	8.6	3.9
12	3.0	17	52	400	290	e127	82	67	e12	71	1030	3.9
13	4.6	e15	45	210	160	e125	80	67	e9.0	959	63	4.9
14	54	e19	39	185	121	e130	81	66	e8.0	88	606	5.0
15	15	e22	e38	2260	100	e129	601	65	e7.0	36	280	4.3
16	7.1	e25	e36	905	2250	e128	1140	64	6.8	19	138	3.9
17	4.6	e21	e35	396	3520	e130	255	64	5.4	12	42	3.3
18	3.6	e19	34	944	753	e136	159	69	4.5	10	26	2.3
19	3.5	e18	33	370	317	175	152	75	4.0	6.6	18	1.7
20	8.9	18	37	208	227	527	128	75	3.5	4.7	14	13
21	86	21	246	167	172	186	110	e72	3.1	4.3	12	28
22	75	25	86	389	328	131	96	e70	2.8	4.5	9.5	12
23	1520	22	2390	219	1180	109	87	e69	2.6	14	7.6	8.8
24	95	19	705	147	275	104	1720	e67	2.4	85	6.5	5.8
25	29	18	194	116	185	95	2310	e65	2.1	39	6.5	4.4
26	19	19	140	111	176	86	e800	e62	2.0	133	6.4	3.5
27	15	18	103	120	370	80	e420	359	1.8	482	5.4	3.0
28	49	20	100	99	185	76	e508	73	1.6	129	5.0	2.6
29	54	24	119	91	---	73	e2000	69	1.6	47	5.5	2.6
30	22	24	78	80	---	66	2510	67	1.5	38	4.5	2.6
31	16	---	58	73	---	193	---	64	---	22	3.9	---
TOTAL	2128.0	719	5897	16108	13101	7100	15623	3239	639.7	2293.2	2405.0	142.3
MEAN	68.6	24.0	190	520	468	229	521	104	21.3	74.0	77.6	4.74
MAX	1520	71	2390	2260	3520	1200	2510	533	129	959	1030	28
MIN	3.0	15	21	50	60	66	80	62	1.5	1.1	3.9	1.5
MED	7.1	21	58	219	174	130	151	69	6.9	12	9.5	3.2
CFSM	.53	.18	1.46	4.00	3.60	1.76	4.01	.80	.16	.57	.60	.04
IN.	.61	.21	1.69	4.61	3.75	2.03	4.47	.93	.18	.66	.69	.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1998, BY WATER YEAR (WY)

	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
MEAN	32.0	219	420	349	468	353	314	323	167	43.6	46.0	18.3					
MAX	97.7	785	1157	898	1195	652	912	1946	773	282	329	80.7					
(WY)	1986	1984	1992	1989	1990	1994	1991	1991	1997	1989	1992	1996					
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 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1982 - 1998
ANNUAL TOTAL	105204.9	69395.2	
ANNUAL MEAN	288	190	230
HIGHEST ANNUAL MEAN			435
LOWEST ANNUAL MEAN			66.6
HIGHEST DAILY MEAN	7100	3520	15500
LOWEST DAILY MEAN	1.5	1.1	.00
ANNUAL SEVEN-DAY MINIMUM	2.1	1.4	.05
INSTANTANEOUS PEAK FLOW		8140	41500
INSTANTANEOUS PEAK STAGE		20.44	30.88
INSTANTANEOUS LOW FLOW		.73	.00
ANNUAL RUNOFF (CFSM)	2.22	1.46	1.77
ANNUAL RUNOFF (INCHES)	30.10	19.86	24.01
10 PERCENT EXCEEDS	734	445	417
50 PERCENT EXCEEDS	52	64	45
90 PERCENT EXCEEDS	5.6	3.0	2.2

e Estimated

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.

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

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

REMARKS.--Estimated daily discharges: Oct. 1-8, 27-30, Nov. 2-5, 7-13, 15-30, Dec. 1-16, 30,31, Jan. 1-4, 13,14, 16-18, 21-31, Feb. 1-10, Mar. 1-4, 9-30, Apr. 1-14, Jun. 24-30, Jul. 1-7, 21-26, 28-31, Aug. 1-4, and Sept. 8-30. Records poor. Satellite telemeter U.S. Army Corps of Engineers radio telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e14	33	e22	e20	e17	e22	e22	66	19	e8.1	e9.5	7.4
2	e13	e17	e20	e21	e15	e22	e21	50	17	e8.5	e8.8	7.0
3	e15	e15	e40	e21	e16	e21	e20	53	16	e8.3	e8.5	7.9
4	e14	e16	e25	e20	e16	e23	e22	43	23	e8.6	e8.2	8.1
5	e13	e17	e23	54	e15	64	e22	36	40	e8.7	15	8.6
6	e15	31	e22	29	e14	70	e22	34	33	e8.5	17	8.5
7	e14	e16	e21	154	e15	58	e23	48	22	e8.3	42	8.2
8	e13	e15	e20	91	e15	95	e22	37	18	9.8	66	e8.8
9	12	e15	e98	44	e13	e21	e23	31	17	14	24	e8.7
10	12	e17	e24	33	e26	e20	e21	30	16	8.0	13	e8.8
11	12	e16	e20	40	94	e23	e22	28	15	7.0	15	e8.7
12	12	e17	e19	33	39	e22	e23	25	13	17	41	e8.9
13	15	e16	e20	e21	30	e21	e24	24	13	18	16	e9.0
14	29	26	e22	e22	26	e22	e22	22	12	13	25	e8.9
15	16	e15	e20	39	25	e23	14	21	11	11	32	e8.7
16	15	e16	e21	e35	100	e22	19	21	11	8.0	30	e9.0
17	16	e17	21	e21	160	e21	17	19	10	7.1	17	e9.1
18	16	e23	19	e20	70	e48	53	18	10	6.0	13	e9.0
19	16	e23	18	57	52	e22	50	17	9.7	7.2	11	e8.9
20	15	e21	18	53	45	e25	21	16	9.5	8.8	9.5	e9.0
21	17	e20	34	e22	41	e120	17	16	9.2	e9.0	9.0	e8.8
22	19	e20	31	e22	54	e50	17	16	8.5	e10	8.7	e12
23	15	e19	24	e25	58	e22	16	15	8.5	e10	8.4	e9.2
24	65	e20	115	e22	45	e20	15	14	e8.3	e11	8.4	e8.8
25	135	e20	43	e22	41	e21	13	15	e8.1	e11	8.5	e8.9
26	91	e19	32	e21	79	e22	13	19	e9.5	e10	8.2	e9.0
27	e17	e20	34	e25	65	e21	14	26	e8.7	32	8.1	e8.9
28	e15	e21	30	e21	46	e20	88	23	e8.5	e20	7.9	e8.8
29	e15	e50	32	e20	---	e22	42	64	e8.2	e14	7.8	e8.7
30	e16	e35	e25	e21	---	e23	92	37	e8.0	e12	8.1	e9.0
31	32	---	e20	e21	---	69	---	23	---	e10	7.8	---
TOTAL	734	626	933	1070	1232	1075	810	907	420.7	342.9	512.4	263.3
MEAN	23.7	20.9	30.1	34.5	44.0	34.7	27.0	29.3	14.0	11.1	16.5	8.78
MAX	135	50	115	154	160	120	92	66	40	32	66	12
MIN	12	15	18	20	13	20	13	14	8.0	6.0	7.8	7.0
MED	15	19	22	22	40	22	22	24	11	9.8	9.5	8.8
CFSM	1.24	1.09	1.58	1.81	2.30	1.82	1.41	1.53	.73	.58	.87	.46
IN.	1.43	1.22	1.82	2.08	2.40	2.09	1.58	1.77	.82	.67	1.00	.51

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 1998, BY WATER YEAR (WY)

	MEAN	18.4	31.9	44.5	40.6	47.8	52.2	44.4	42.5	26.2	17.3	15.1	16.2
MAX	42.6	71.4	135	80.6	106	116	108	173	75.0	38.1	38.1	37.0	
(WY)	1976	1987	1991	1979	1991	1980	1983	1991	1997	1989	1975	1975	
MIN	8.35	13.4	18.2	16.5	23.0	23.5	13.3	10.3	5.34	5.55	4.03	4.05	
(WY)	1997	1982	1982	1986	1986	1982	1986	1988	1988	1988	1988	1986	

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1975 - 1998

ANNUAL TOTAL	13907	8926.3	
ANNUAL MEAN	38.1	24.5	32.9
HIGHEST ANNUAL MEAN			65.0
LOWEST ANNUAL MEAN			17.2
HIGHEST DAILY MEAN	383	Mar 3	160
LOWEST DAILY MEAN	12	Oct 9	6.0
ANNUAL SEVEN-DAY MINIMUM	13	Oct 6	7.7
INSTANTANEOUS PEAK FLOW			396
INSTANTANEOUS PEAK STAGE			8.59
ANNUAL RUNOFF (CFSM)	1.99		1.28
ANNUAL RUNOFF (INCHES)	27.09		17.39
10 PERCENT EXCEEDS	70		49
50 PERCENT EXCEEDS	29		19
90 PERCENT EXCEEDS	15		8.6
			9.2

e Estimated

MOBILE RIVER BASIN

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 23. Records good except for estimated daily discharge, 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)
Feb. 18	0100	*7,470	*17.89				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	111	324	178	560	529	1210	962	5070	237	98	170	136
2	109	410	167	493	500	1040	873	3520	195	96	146	133
3	104	295	164	456	517	854	928	2350	169	95	133	130
4	105	215	264	422	693	739	1440	1720	164	107	122	131
5	104	188	285	662	648	1250	1090	1150	170	129	119	127
6	103	217	220	1790	612	2420	880	748	309	126	137	131
7	103	383	193	1960	583	4160	681	639	242	121	192	128
8	101	288	185	4450	544	5170	583	670	168	118	374	123
9	102	236	232	5060	504	5070	629	553	149	118	453	125
10	102	213	979	3490	479	3310	588	497	137	127	293	123
11	101	188	1060	2280	1430	2220	514	452	133	133	179	110
12	105	178	665	2840	2110	1810	477	406	127	157	1250	120
13	102	176	581	2850	1680	1160	434	374	124	294	1120	138
14	117	175	488	2220	1280	911	401	336	132	784	760	138
15	188	176	401	1820	952	752	363	284	132	897	1500	134
16	140	176	345	2650	1610	684	333	258	122	309	1510	126
17	118	172	314	3430	4540	667	336	236	112	201	1280	125
18	115	171	292	2490	6820	735	374	218	108	150	993	126
19	113	179	270	2470	4550	721	1660	195	107	128	541	124
20	111	167	263	2170	2770	1380	1690	187	103	125	320	136
21	110	159	287	1770	1940	1240	1420	178	105	119	253	154
22	114	166	514	1460	1440	1010	1050	179	104	144	213	163
23	128	175	456	1450	1890	823	735	169	103	149	185	138
24	156	165	1490	1230	1900	690	578	163	102	184	164	129
25	401	153	3140	1060	1500	623	499	160	104	223	147	124
26	1750	151	2550	880	1230	577	450	158	105	175	135	124
27	1870	157	2040	794	1470	538	406	277	102	439	128	124
28	1890	154	1470	746	1340	504	1680	483	98	931	124	129
29	1520	156	1020	668	---	484	4020	308	95	493	140	125
30	722	164	858	615	---	457	3680	309	95	292	142	115
31	374	---	677	565	---	426	---	294	---	221	141	---
TOTAL	11289	6127	22048	55801	46061	43635	29754	22541	4153	7683	13364	3889
MEAN	364	204	711	1800	1645	1408	992	727	138	248	431	130
MAX	1890	410	3140	5060	6820	5170	4020	5070	309	931	1510	163
MIN	101	151	164	422	479	426	333	158	95	95	119	110
CFSM	.60	.33	1.16	2.94	2.69	2.30	1.62	1.19	.23	.40	.70	.21
IN.	.69	.37	1.34	3.39	2.80	2.65	1.81	1.37	.25	.47	.81	.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1998, BY WATER YEAR (WY)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
MEAN	219	596	1436	1313	1821	1614	987	1132	811	305	265	166		
MAX	382	2056	4885	3273	4652	2771	3244	7724	3165	1232	931	408		
(WY)	1990	1987	1992	1989	1990	1995	1991	1991	1997	1989	1992	1992		
MIN	105	147	293	152	442	540	165	148	92.6	113	82.8	82.0		
(WY)	1988	1991	1986	1986	1986	1985	1986	1988	1988	1986	1987	1986		

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1985 - 1998

ANNUAL TOTAL	393959	266345	885
ANNUAL MEAN	1079	730	1837
HIGHEST ANNUAL MEAN			1991
LOWEST ANNUAL MEAN			353
HIGHEST DAILY MEAN	17900	Mar 4	55100
LOWEST DAILY MEAN	101	Oct 8	33
ANNUAL SEVEN-DAY MINIMUM	102	Oct 5	36
INSTANTANEOUS PEAK FLOW			82200
INSTANTANEOUS PEAK STAGE			27.72
ANNUAL RUNOFF (CFSM)	1.76	1.19	1.45
ANNUAL RUNOFF (INCHES)	23.95	16.19	19.64
10 PERCENT EXCEEDS	2300	1880	1850
50 PERCENT EXCEEDS	474	308	350
90 PERCENT EXCEEDS	118	115	111

e Estimated

MOBILE RIVER BASIN

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02431000 TOMBIGBEE RIVER NEAR FULTON, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.32	9.25	8.10	10.04	9.84	13.02	12.18	17.28	8.43	7.20	7.85	7.51
2	7.33	9.80	8.00	9.69	9.68	12.15	11.88	16.72	8.08	7.18	7.61	7.47
3	7.27	9.03	7.97	9.48	9.78	11.35	12.03	15.91	7.84	7.17	7.48	7.45
4	7.28	8.42	8.79	9.28	10.65	10.86	13.88	14.68	7.79	7.32	7.36	7.45
5	7.27	8.18	8.96	10.42	10.44	12.92	12.72	12.94	7.85	7.58	7.32	7.41
6	7.27	8.43	8.47	14.87	10.26	15.81	11.91	11.35	8.98	7.54	7.52	7.45
7	7.27	9.63	8.23	15.16	10.12	16.99	11.05	10.85	8.57	7.48	8.00	7.42
8	7.25	8.99	8.16	17.06	9.92	17.29	10.58	11.00	7.97	7.45	9.35	7.37
9	7.25	8.60	8.39	17.28	9.71	17.28	10.80	10.43	7.78	7.45	9.88	7.39
10	7.22	8.40	11.97	16.70	9.57	16.63	10.60	10.13	7.66	7.55	8.84	7.36
11	7.19	8.19	12.32	15.82	13.33	15.74	10.22	9.87	7.62	7.61	7.94	7.22
12	7.21	8.10	10.56	16.31	15.57	14.93	10.02	9.60	7.55	7.83	12.98	7.33
13	7.15	8.08	10.15	16.39	14.58	12.90	9.77	9.40	7.51	8.87	12.75	7.53
14	7.31	8.07	9.66	15.75	13.28	11.95	9.58	9.16	7.60	11.28	11.36	7.53
15	8.01	8.07	9.15	14.95	11.76	11.34	9.33	8.80	7.60	11.88	14.08	7.48
16	7.54	8.08	8.79	15.99	13.92	11.07	9.14	8.60	7.50	8.95	14.13	7.40
17	7.30	8.04	8.59	16.69	17.05	10.99	9.16	8.42	7.38	8.13	13.38	7.39
18	7.27	8.03	8.43	16.10	17.74	11.30	9.39	8.28	7.34	7.65	12.35	7.40
19	7.26	8.11	8.27	16.08	17.11	11.23	14.46	8.08	7.32	7.42	10.34	7.38
20	7.22	7.99	8.22	15.67	16.29	13.71	14.63	8.01	7.27	7.39	9.05	7.51
21	7.21	7.92	8.39	14.82	15.21	13.27	13.84	7.93	7.29	7.32	8.56	7.70
22	7.26	7.98	9.76	13.98	13.92	12.45	12.55	7.93	7.29	7.60	8.24	7.78
23	7.42	8.07	9.47	13.93	15.09	11.68	11.29	7.85	---	7.64	7.99	7.53
24	7.71	7.97	13.33	13.10	15.14	11.10	10.55	7.79	7.26	7.95	7.79	7.43
25	9.52	7.85	16.56	12.22	14.09	10.78	10.14	7.76	7.28	8.32	7.63	7.38
26	14.71	7.84	16.15	11.46	13.09	10.55	9.86	7.74	7.29	7.90	7.49	7.38
27	15.08	7.90	15.44	11.10	14.02	10.35	9.61	8.57	7.26	9.59	7.42	7.37
28	15.13	7.87	13.96	10.89	13.58	10.17	13.68	10.01	7.21	12.10	7.38	7.43
29	14.13	7.88	12.11	10.53	---	10.06	16.93	8.96	7.17	10.09	7.55	7.39
30	11.30	7.96	11.40	10.28	---	9.90	16.79	8.97	7.18	8.84	7.57	7.27
31	9.55	---	10.61	10.03	---	9.72	---	8.86	---	8.30	7.56	---
MEAN	8.56	8.29	10.27	13.62	13.03	12.56	11.62	10.06	---	8.28	9.19	7.44
MAX	15.13	9.80	16.56	17.28	17.74	17.29	16.93	17.28	---	12.10	14.13	7.78
MIN	7.15	7.84	7.97	9.28	9.57	9.72	9.14	7.74	---	7.17	7.32	7.22

MOBILE RIVER BASIN

02431000 TOMBIGBEE RIVER NEAR FULTON, MS--Continued

WATER-QUALITY RECORDS

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

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

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					
08...	1210	109	58	17	--
NOV					
18...	1515	176	73	35	--
JAN					
06...	1415	1850	382	1910	--
07...	1640	2230	420	2530	--
07...	2225	2760	546	4070	76
08...	0815	4060	474	5200	40
09...	1200	5240	303	4290	--
09...	1440	5070	364	4980	--
FEB					
11...	0830	1020	184	507	--
MAR					
17...	1610	714	94	181	--
APR					
18...	1225	335	137	124	--
18...	1945	430	160	186	79
19...	0715	1640	639	2830	82
19...	2020	1950	319	1680	68
20...	0915	1730	221	1030	--
28...	1315	1860	939	4720	--
28...	1700	2360	1350	8600	85
29...	0410	4200	551	6250	48
29...	1145	4040	433	4720	47
29...	1950	3730	372	3750	--
JUN					
10...	0800	147	74	29	--
JUL					
21...	1445	112	115	35	--

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

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)
JAN										
08...	0815	18	24	26	30	35	40	52	96	100
APR										
19...	0715	31	39	44	56	69	82	91	99	100
29...	0410	33	35	38	41	45	48	64	98	100

MOBILE RIVER BASIN

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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.--Estimated daily discharges: Sept. 5-10. Records good except for estimated daily discharges, which are poor. Discharges over 200 ft³/s not determined. Satellite telemeter at station.

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge not determined, maximum gage height 7.90 ft, Jan. 8, minimum discharge, 17 ft³/s, Sept. 16, 17, 19, 20.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	90	194	163	169	---	---	209	102	23	---	---
2	42	106	135	146	161	---	---	170	84	25	---	---
3	40	105	116	139	180	---	---	184	145	71	23	189
4	40	94	150	133	---	---	---	151	71	22	157	141
5	38	86	137	148	---	---	197	128	---	23	133	e118
6	37	89	116	---	---	---	174	112	---	24	116	e90
7	37	114	104	---	---	---	159	107	195	21	104	e60
8	36	106	101	---	---	---	149	---	144	19	95	e40
9	36	94	118	---	---	---	156	---	117	20	88	e21
10	36	87	181	---	188	---	167	180	94	27	83	e20
11	37	83	---	---	---	---	143	146	82	28	77	20
12	35	79	162	---	---	---	130	120	71	31	71	20
13	34	78	138	---	---	---	122	103	65	147	67	20
14	60	85	125	---	---	---	117	91	66	---	62	19
15	75	103	116	---	---	---	116	82	59	---	60	18
16	47	94	106	---	---	---	113	76	50	---	60	18
17	42	84	100	---	---	---	149	71	43	199	57	18
18	40	79	96	---	---	---	170	65	39	132	54	18
19	39	77	90	---	---	---	---	60	37	96	53	18
20	40	75	86	---	---	---	---	55	36	76	55	18
21	40	74	87	---	---	---	---	52	33	64	58	21
22	41	85	121	---	---	---	---	51	32	159	83	44
23	46	107	127	---	---	---	202	49	31	---	89	35
24	63	93	---	---	---	---	178	46	28	---	---	30
25	163	83	---	---	---	---	155	45	26	188	---	27
26	---	79	---	---	---	---	137	46	26	163	141	27
27	---	76	---	---	---	---	127	54	24	169	109	27
28	169	75	---	---	---	190	158	74	23	150	92	27
29	119	75	197	---	---	179	---	154	23	132	80	27
30	100	93	---	194	---	168	182	---	22	121	82	26
31	89	---	189	181	---	160	---	152	---	148	---	---
TOTAL	---	2648	---	---	---	---	---	---	---	---	---	---
MEAN	---	88.3	---	---	---	---	---	---	---	---	---	---
MAX	---	114	---	---	---	---	---	---	---	---	---	---
MIN	---	74	---	---	---	---	---	---	---	---	---	---
MED	---	86	---	---	---	---	---	---	---	---	---	---
CFSM	---	.65	---	---	---	---	---	---	---	---	---	---
IN.	---	.72	---	---	---	---	---	---	---	---	---	---

e Estimated

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.--Estimated daily discharges: Oct. 1-3, Nov. 2-5, 21-30, Dec. 1-18, Jul. 28, 29, and Aug. 15-20. Records good except for periods of estimated daily discharges, which are poor. Some regulation by Tennessee-Tombigbee Waterway since 1985. Statistics shown below are for water years 1985 to the current year, except for instantaneous extremes, which are shown for the entire period of record. Satellite telemeter and U.S. Army Corps of Engineers radio telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of 1973 reached a stage of 27.64 ft and a discharge of 112,000 ft³/s and was the highest since at least 1890. The flood of Mar. 23, 1955, reached a stage of 26.2 ft, from floodmark, discharge, 73,000 ft³/s. Flood of December 1926 reached a stage of 24.2 ft from information by U. S. Army Corps of Engineers.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 17	2230	*13,700	*15.19	Mar. 8	1800	13,300	15.05

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e280	877	e450	1160	1070	3270	2080	5000	460	205	799	281
2	e450	e749	e450	722	1180	2450	1720	5710	493	210	713	279
3	e621	e700	e430	818	1100	1900	2040	4030	704	226	808	271
4	280	e490	e500	637	1650	1470	1670	2990	829	208	611	268
5	274	e1130	e580	1350	1310	5160	2080	2170	1490	382	579	267
6	273	426	e530	2620	1570	7090	1380	1270	882	276	565	310
7	265	738	e480	4530	1290	6390	1150	1560	487	247	655	267
8	265	648	e440	10100	1120	11400	1270	1690	379	252	1930	264
9	370	679	e450	7840	871	10400	1220	1480	343	230	1850	397
10	262	512	e920	8820	1180	9210	985	878	374	255	1280	269
11	275	433	e1400	8110	3910	7310	1190	840	428	354	1430	238
12	271	748	e1200	6350	3290	5130	793	770	521	790	723	233
13	366	496	e980	4570	3150	3310	942	686	422	663	570	247
14	482	608	e890	3860	2570	2650	1080	631	487	1560	544	279
15	290	545	e760	4170	2120	1870	665	647	798	1720	e370	294
16	357	620	e760	6640	4740	1800	626	553	316	1470	e350	267
17	332	469	e740	6050	10300	1650	659	482	286	971	e320	256
18	391	508	e710	5560	10200	2090	1410	404	347	459	e300	251
19	288	513	452	6540	9080	2360	3730	374	264	379	e480	251
20	281	608	462	5400	9090	5120	2950	358	302	336	e370	354
21	398	e440	793	4510	5960	3630	3210	337	298	323	279	610
22	270	e440	703	4270	4690	3210	2380	607	244	309	241	324
23	290	e450	1010	3670	4140	2810	2000	420	243	350	214	330
24	1230	e440	3590	3190	3280	1880	1390	474	237	1060	189	302
25	1680	e430	4930	2430	2920	1550	1340	394	231	894	168	277
26	4780	e420	3470	2300	2950	1360	883	358	236	505	303	270
27	3120	e430	3920	1580	4170	1220	1250	544	228	696	290	267
28	2630	e430	3280	1490	3380	1300	3700	2330	223	e1120	289	373
29	2270	e420	2540	1680	---	1210	5100	1440	212	e1180	277	276
30	2000	e430	2000	1240	---	933	5860	1020	206	1350	287	265
31	1500	---	1320	1390	---	1430	---	794	---	1100	285	---
TOTAL	26841	16827	41160	123597	102281	112573	56753	41241	12970	20080	18069	8837
MEAN	866	561	1328	3987	3653	3631	1892	1330	432	648	583	295
MAX	4780	1130	4930	10100	10300	11400	5860	5710	1490	1720	1930	610
MIN	262	420	430	637	871	933	626	337	206	205	158	233
MED	357	502	780	3860	3050	2450	1390	770	345	382	370	271
CFSM	.71	.46	1.08	3.25	2.98	2.96	1.54	1.09	.35	.53	.48	.24
IN.	.81	.51	1.25	3.75	3.10	3.42	1.72	1.25	.39	.61	.55	.27

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1998, BY WATER YEAR (WY)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
MEAN	527	1134	2981	2671	3718	3509	2250	2625	1734	683	493	505		
MAX	919	3666	9297	5869	9187	6211	7958	17810	8068	1900	897	1770		
(WY)	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
MIN	247	341	593	343	858	925	382	331	242	283	219	209		
(WY)	1988	1991	1986	1986	1986	1986	1986	1988	1988	1988	1987	1986		

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1985 - 1998
ANNUAL TOTAL	966685	581229	1894
ANNUAL MEAN	2648	1592	4530
HIGHEST ANNUAL MEAN			613
LOWEST ANNUAL MEAN			89500
HIGHEST DAILY MEAN	31900	Mar 4	11400
LOWEST DAILY MEAN	226	Aug 7	168
ANNUAL SEVEN-DAY MINIMUM	250	Sep 14	213
INSTANTANEOUS PEAK FLOW			13700
INSTANTANEOUS PEAK STAGE			15.19
INSTANTANEOUS LOW FLOW			168
ANNUAL RUNOFF (CFSM)	2.16		1.30
ANNUAL RUNOFF (INCHES)	29.33		17.64
10 PERCENT EXCEEDS	6670		4210
50 PERCENT EXCEEDS	1130		738
90 PERCENT EXCEEDS	295		267

e Estimated

MOBILE RIVER BASIN

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02433500 TOMBIGBEE RIVER AT BIGBEE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	4.94	---	5.35	5.23	8.29	6.71	10.16	4.20	3.46	4.69	3.72
2	---	---	---	4.71	5.39	7.23	6.17	10.84	4.24	3.47	4.55	3.72
3	---	---	---	4.83	5.27	6.43	6.65	9.15	4.60	3.53	4.68	3.69
4	3.72	---	---	4.55	6.05	5.80	6.09	7.92	4.85	3.47	4.36	3.68
5	3.70	---	---	5.62	5.56	10.03	6.70	6.81	5.84	3.98	4.30	3.68
6	3.70	4.12	---	7.47	5.95	11.89	5.65	5.49	4.93	3.70	4.28	3.80
7	3.67	4.69	---	9.39	5.52	11.40	5.34	5.93	4.25	3.61	4.43	3.68
8	3.67	4.57	---	13.68	5.29	14.17	5.50	6.12	4.00	3.63	6.32	3.67
9	3.93	4.62	---	12.40	4.94	13.84	5.45	5.81	3.91	3.55	6.23	4.00
10	3.66	4.29	---	13.00	5.37	13.22	5.11	4.95	3.97	3.64	5.43	3.68
11	3.70	4.14	---	12.56	8.81	12.04	5.39	4.89	4.10	3.90	5.67	3.58
12	3.69	4.66	---	11.35	8.30	10.26	4.83	4.78	4.28	4.76	4.66	3.56
13	3.92	4.26	---	9.71	8.15	8.32	5.04	4.64	4.08	4.52	4.42	3.61
14	4.16	4.45	---	8.97	7.40	7.52	5.24	4.53	4.22	5.84	4.38	3.71
15	3.75	4.35	---	9.31	6.77	6.40	4.61	4.56	4.73	6.06	---	3.76
16	3.95	4.49	---	11.35	9.64	6.29	4.54	4.38	3.83	5.68	---	3.68
17	3.87	4.21	---	11.08	13.51	6.06	4.60	4.24	3.74	4.89	---	3.64
18	3.99	4.26	---	10.70	13.67	6.72	5.70	4.07	3.89	4.05	---	3.62
19	3.74	4.30	4.18	11.50	13.15	7.09	8.82	3.99	3.67	3.85	---	3.62
20	3.72	4.48	4.20	10.55	13.13	10.23	7.90	3.95	3.77	3.74	---	3.85
21	4.00	---	4.73	9.66	11.01	8.70	8.22	3.89	3.76	3.70	3.93	4.38
22	3.69	---	4.63	9.42	9.85	8.20	7.09	4.43	3.60	3.66	3.72	3.85
23	3.74	---	5.12	8.75	9.25	7.72	6.59	4.08	3.59	3.76	3.59	3.87
24	5.41	---	8.40	8.18	8.29	6.41	5.68	4.21	3.57	5.01	3.49	3.79
25	5.99	---	9.98	7.19	7.86	5.93	5.62	4.04	3.55	4.79	3.39	3.71
26	9.91	---	8.52	7.02	7.86	5.63	4.97	3.94	3.57	4.15	3.79	3.69
27	8.10	---	9.04	5.96	9.29	5.45	5.47	4.34	3.54	4.51	3.75	3.68
28	7.47	---	8.29	5.83	8.41	5.53	8.54	7.06	3.52	---	3.75	3.94
29	6.97	---	7.37	6.11	---	5.42	10.20	5.75	3.48	---	3.71	3.71
30	6.59	---	6.60	5.47	---	5.03	10.96	5.16	3.46	5.48	3.74	3.67
31	5.86	---	5.58	5.67	---	5.75	---	4.81	---	5.12	3.74	---
MEAN	---	---	---	8.62	8.18	8.16	6.31	5.45	4.02	---	---	3.74
MAX	---	---	---	13.68	13.67	14.17	10.96	10.84	5.84	---	---	4.38

MOBILE RIVER BASIN

02433500 TOMBIGBEE RIVER AT BIGBEE, MS--Continued

WATER-QUALITY RECORDS

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

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
FEB 04...	1110	1500	59	239
MAR 18...	1330	1990	79	424
APR 30...	1220	6130	248	4100

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: Jun 18-24 and Aug. 26 - Sept. 1. Records good except for estimated daily discharges, which are poor. Satellite telemeter and U.S. Army Corps of Engineers radio telemeter at station

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 17	0830	9,010	*18.76	Apr. 28	1215	*9,160	15.16

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	260	54	164	158	257	559	1400	35	1.8	44	e7.6
2	16	175	49	147	149	221	298	778	29	1.5	39	7.1
3	15	108	59	135	167	196	363	620	24	1.5	30	5.4
4	15	86	106	123	184	182	322	489	30	1.5	21	5.3
5	16	76	71	1220	147	1950	216	387	95	4.3	16	4.8
6	16	211	54	864	130	1680	177	307	120	3.3	13	5.5
7	15	143	44	2650	123	1100	166	431	65	1.6	9.8	5.2
8	15	100	52	2510	118	3700	166	279	45	1.5	79	4.0
9	16	82	78	1130	114	1110	296	178	36	1.5	31	4.5
10	16	73	799	622	110	683	176	152	30	6.4	14	8.5
11	16	83	253	947	2260	533	137	130	27	32	12	9.3
12	15	65	161	1530	617	413	122	110	23	89	371	9.1
13	33	63	129	707	387	330	110	121	26	48	213	9.1
14	100	73	108	520	341	266	109	94	19	100	137	8.5
15	44	66	93	669	341	233	103	93	17	60	599	8.6
16	26	57	80	3580	2830	219	103	71	12	73	418	8.5
17	21	51	74	1470	5830	277	94	67	11	25	97	8.8
18	20	48	71	1300	1750	274	472	60	e10	16	47	8.6
19	19	47	64	1540	952	389	1270	60	e9.0	11	40	8.2
20	18	47	61	724	708	691	455	43	e9.0	6.4	37	36
21	18	47	113	547	555	381	337	44	e7.0	11	29	17
22	21	48	260	773	725	306	269	37	e6.0	3.1	22	6.8
23	19	46	152	647	1380	236	232	33	e4.0	29	13	4.9
24	182	45	3560	416	565	242	209	34	e3.1	514	9.8	5.4
25	1380	43	1010	324	416	218	179	32	2.5	181	8.2	5.8
26	3460	42	525	279	384	200	148	36	2.8	41	e7.0	6.3
27	476	42	415	299	505	191	137	40	9.4	423	e5.0	7.2
28	286	44	322	300	325	172	5310	41	2.3	287	e4.0	7.4
29	202	54	292	264	---	155	1470	81	1.7	149	e3.2	7.4
30	152	57	278	229	---	146	2890	70	1.7	80	e3.7	8.6
31	125	---	207	195	---	373	---	46	---	52	e5.5	---
TOTAL	6789	2382	9594	26825	22271	17324	16895	6364	712.5	2255.4	2378.2	249.4
MEAN	219	79.4	309	865	795	559	563	205	23.8	72.8	76.7	8.31
MAX	3460	260	3560	3580	5830	3700	5310	1400	120	514	599	36
MIN	15	42	44	123	110	146	94	32	1.7	1.5	3.2	4.0
MED	19	60	108	647	386	274	213	81	15	25	22	7.4
CFSM	.94	.34	1.33	3.71	3.41	2.40	2.42	.88	.10	.31	.33	.04
IN.	1.08	.38	1.53	4.28	3.56	2.77	2.70	1.02	.11	.36	.38	.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1998, BY WATER YEAR (WY)

	MEAN	84.1	298	684	734	706	845	573	542	252	86.8	55.7	50.3
MAX	287	1336	2996	2970	2079	2759	2193	2997	994	478	213	342	
(WY)	1971	1980	1983	1974	1991	1975	1983	1991	1997	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 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1971 - 1998

ANNUAL TOTAL	156339	114039.5	
ANNUAL MEAN	428	312	408
HIGHEST ANNUAL MEAN			903
LOWEST ANNUAL MEAN			97.4
HIGHEST DAILY MEAN	9730	Mar 3	26200
LOWEST DAILY MEAN	15	Sep 21	.42
ANNUAL SEVEN-DAY MINIMUM	15	Oct 2	.80
INSTANTANEOUS PEAK FLOW			37900
INSTANTANEOUS PEAK STAGE			27.80
ANNUAL RUNOFF (CFSM)	1.84		1.75
ANNUAL RUNOFF (INCHES)	24.96		23.81
10 PERCENT EXCEEDS	1040	714	835
50 PERCENT EXCEEDS	142	89	99
90 PERCENT EXCEEDS	21	6.6	7.7

e Estimated

MOBILE RIVER BASIN

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

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.33	3.20	2.58	2.97	2.95	3.21	3.83	5.44	2.44	2.09	2.51	---
2	2.33	3.00	2.56	2.92	2.93	3.12	3.30	4.27	2.40	2.08	2.48	2.24
3	2.32	2.80	2.61	2.88	2.98	3.06	3.44	3.96	2.36	2.08	2.42	2.21
4	2.32	2.73	2.80	2.84	3.03	3.02	3.36	3.71	2.40	2.07	2.36	2.21
5	2.33	2.69	2.66	5.11	2.92	6.56	3.11	3.50	2.71	2.13	2.32	2.18
6	2.33	3.10	2.58	4.42	2.87	6.00	3.01	3.32	2.82	2.13	2.28	2.19
7	2.32	2.91	2.53	7.94	2.84	4.87	2.98	3.58	2.60	2.08	2.25	2.21
8	2.32	2.78	2.57	7.65	2.83	9.94	2.98	3.26	2.50	2.07	2.58	2.19
9	2.33	2.71	2.68	4.93	2.81	4.88	3.29	3.01	2.45	2.07	2.43	2.21
10	2.33	2.67	4.29	3.97	2.80	4.09	3.00	2.94	2.41	2.16	2.29	2.33
11	2.34	2.71	3.19	4.60	7.17	3.80	2.89	2.87	2.38	2.52	2.27	2.34
12	2.33	2.64	2.96	5.71	3.96	3.56	2.84	2.79	2.35	2.70	3.42	2.34
13	2.42	2.63	2.85	4.13	3.50	3.37	2.80	2.83	2.38	2.52	3.10	2.34
14	2.78	2.67	2.77	3.77	3.40	3.23	2.80	2.73	2.32	2.75	2.85	2.33
15	2.53	2.64	2.71	4.06	3.40	3.15	2.77	2.72	2.30	2.58	3.90	2.33
16	2.41	2.60	2.65	9.75	8.29	3.12	2.77	2.63	2.26	2.64	3.53	2.33
17	2.38	2.57	2.63	5.57	13.88	3.25	2.74	2.61	2.24	2.39	2.76	2.33
18	2.37	2.56	2.61	5.26	6.14	3.25	3.56	2.58	---	2.31	2.56	2.33
19	2.36	2.55	2.59	5.73	4.59	3.47	5.21	2.58	---	2.26	2.52	2.33
20	2.35	2.55	2.57	4.17	4.14	4.10	3.64	2.48	---	2.20	2.50	2.50
21	2.35	2.55	2.75	3.82	3.84	3.49	3.39	2.49	---	2.25	2.44	2.42
22	2.38	2.56	3.21	4.25	4.17	3.32	3.24	2.45	---	2.14	2.39	2.30
23	2.36	2.54	2.92	4.02	5.43	3.16	3.15	2.43	---	2.25	2.31	2.27
24	2.99	2.54	9.67	3.56	3.86	3.17	3.09	2.43	---	3.64	2.28	2.28
25	5.15	2.52	4.69	3.36	3.56	3.12	3.01	2.42	2.12	2.98	2.25	2.29
26	9.63	2.52	3.78	3.26	3.49	3.07	2.92	2.44	2.12	2.48	---	2.30
27	3.68	2.52	3.56	3.30	3.74	3.05	2.89	2.47	2.21	3.55	---	2.31
28	3.27	2.53	3.36	3.31	3.36	2.99	9.94	2.47	2.11	3.28	---	2.31
29	3.07	2.59	3.29	3.22	---	2.94	5.29	2.66	2.09	2.91	---	2.31
30	2.94	2.60	3.26	3.14	---	2.92	8.38	2.62	2.09	2.68	---	2.33
31	2.86	---	3.09	3.06	---	3.39	---	2.50	---	2.55	---	---
MEAN	2.85	2.67	3.19	4.41	4.25	3.80	3.65	2.94	---	2.47	---	---
MAX	9.63	3.20	9.67	9.75	13.88	9.94	9.94	5.44	---	3.64	---	---
MIN	2.32	2.52	2.53	2.84	2.80	2.92	2.74	2.42	---	2.07	---	---
MED	2.36	2.62	2.77	4.02	3.49	3.25	3.10	2.66	---	2.31	---	---

MOBILE RIVER BASIN

45

02436500 TOWN CREEK NEAR NETTLETON, MS

LOCATION.--Lat 34°03'32", long 88°37'40", in NW1/4 sec.12, T.12 S., R.6 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160102, on right bank at downstream side of bridge on U.S. Highway 45, 1.5 mi downstream from Chiewa Creek, 2.1 mi south of Nettleton, and 9.2 mi upstream from mouth.

DRAINAGE AREA.--620 mi².

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October and November 1939, published in WSP 1304. Prior to October 1970, published as West Fork Tombigbee River near Nettleton.

REVISED RECORDS.--WSP 1504: 1948. WDR MS-80-1: Drainage area.

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

REMARKS.--Estimated daily discharges: March 23-26. Records fair except for estimated daily discharges, which are poor. Satellite telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 17	1015	*18,900	*25.47	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	1770	141	386	395	708	2050	2910	164	40	213	35
2	54	830	130	340	376	599	661	1550	127	41	176	34
3	43	348	170	312	424	523	612	1260	107	40	150	32
4	39	251	275	286	534	487	643	917	126	41	134	28
5	38	208	192	2760	397	7290	441	661	933	42	119	27
6	37	643	155	2150	345	6110	367	514	911	42	108	26
7	36	402	133	7940	319	3920	329	537	284	42	100	26
8	34	266	148	6670	304	10000	301	804	169	43	610	25
9	33	215	207	2620	286	3000	378	385	134	42	405	25
10	31	198	2040	1560	272	1790	307	319	116	45	190	26
11	30	196	764	1880	6040	1310	250	280	102	128	132	30
12	29	181	426	2840	1860	1010	219	247	93	531	543	32
13	28	173	325	1420	1000	821	202	216	104	278	472	32
14	209	210	269	996	716	688	200	195	98	223	778	29
15	113	196	232	1230	598	588	190	175	118	160	1880	29
16	63	169	208	8260	7080	544	184	157	92	224	2810	29
17	46	152	188	3020	15000	714	192	143	74	114	530	30
18	38	146	172	2800	5060	787	951	132	70	81	277	28
19	36	144	156	3770	2560	1480	3570	121	65	68	192	27
20	34	135	135	1700	1920	3550	1080	111	63	60	158	45
21	33	133	277	1200	1430	1210	620	105	57	59	132	87
22	36	135	673	2290	1850	785	491	98	53	59	111	42
23	41	130	350	1950	3720	e750	443	91	51	123	96	30
24	619	124	8580	1090	1560	e625	347	87	50	4010	82	27
25	2410	121	2540	820	1060	e600	293	85	50	1970	74	25
26	5640	115	1270	694	1460	e550	240	89	48	550	67	25
27	1300	114	968	792	2040	419	217	229	47	1380	62	25
28	667	111	732	700	977	385	6050	153	48	1830	51	25
29	442	148	649	578	---	350	2690	1590	42	838	46	23
30	328	167	646	510	---	322	5410	705	42	458	43	25
31	277	---	484	454	---	640	---	242	---	292	39	---
TOTAL	12821	8131	23635	64018	59583	52555	29928	15108	4438	13854	10780	929
MEAN	414	271	762	2065	2128	1695	998	487	148	447	348	31.0
MAX	5640	1770	8580	8260	15000	10000	6050	2910	933	4010	2810	87
MIN	28	111	130	286	272	322	184	85	42	40	39	23
CFSM	.67	.44	1.23	3.33	3.43	2.73	1.61	.79	.24	.72	.56	.05
IN.	.77	.49	1.42	3.84	3.57	3.15	1.80	.91	.27	.83	.65	.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1998, BY WATER YEAR (WY)

	MEAN	153	717	1408	1688	1973	2167	1538	1026	500	372	177	206
MAX	1043	6074	8062	6105	5740	6215	5434	8377	3924	2512	1381	2208	
(WY)	1976	1958	1983	1949	1948	1975	1991	1991	1997	1940	1967	1958	
MIN	3.97	14.7	40.3	66.6	323	240	105	63.6	19.0	22.4	7.12	5.39	
(WY)	1944	1954	1966	1956	1978	1954	1986	1943	1988	1942	1954	1954	

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1940 - 1998

	FOR 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1940 - 1998
ANNUAL TOTAL	470400	295780	
ANNUAL MEAN	1289	810	989
HIGHEST ANNUAL MEAN			2342
LOWEST ANNUAL MEAN			306
HIGHEST DAILY MEAN	27300	15000	95300
LOWEST DAILY MEAN	28	23	1.0
ANNUAL SEVEN-DAY MINIMUM	32	25	1.6
INSTANTANEOUS PEAK FLOW		18900	151000
INSTANTANEOUS PEAK STAGE		25.47	33.88
ANNUAL RUNOFF (CFSM)	2.08	1.31	1.60
ANNUAL RUNOFF (INCHES)	28.22	17.75	21.67
10 PERCENT EXCEEDS	3090	2040	2160
50 PERCENT EXCEEDS	372	232	202
90 PERCENT EXCEEDS	64	36	21

e Estimated

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. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	514	4620	2000	2980	2450	5960	6380	13400	1900	380	914	599
2	926	3520	1050	2330	3310	4660	4160	8910	1310	491	928	792
3	945	2520	1990	2300	2860	4110	4370	9470	1220	692	1220	398
4	879	1520	1440	2180	3730	3330	3710	7330	1880	862	1140	683
5	1070	2020	1660	6140	3310	15600	4060	5510	3230	1160	973	496
6	951	1950	1950	7950	3550	18900	3020	4450	4850	805	973	1020
7	809	2320	1440	15500	3100	14900	2400	2960	2120	777	958	535
8	607	1780	1680	22500	2370	26300	2840	3890	1580	817	2980	752
9	1190	2210	1620	14200	2450	18700	2980	3560	1310	550	4280	1190
10	816	1740	5410	11900	2580	13200	2650	3150	1080	740	2350	515
11	732	1330	4300	10800	13100	11400	2590	2140	1200	1380	2350	830
12	896	1970	3440	11700	8240	8850	1930	2280	1520	2620	4410	374
13	1320	1320	2380	8170	6240	6280	2080	1850	1300	2810	3970	742
14	1370	1820	1670	6910	4840	5170	2920	2100	1840	4120	3320	1030
15	731	1230	1670	7760	4480	4210	1580	1560	1980	3290	6410	645
16	750	1550	1830	19600	14100	3880	2060	1930	849	3110	10200	719
17	807	1280	1800	13200	26000	3940	2550	1270	823	2150	5030	728
18	1130	1570	1760	11200	25100	5750	3230	1450	904	1370	3410	505
19	620	1450	1070	13200	14200	6660	11300	1080	799	1180	2600	414
20	575	1590	1580	9830	13200	13600	6500	1340	726	867	1750	1370
21	1790	1310	2240	8130	10100	7640	5760	842	1200	771	1580	1560
22	359	1820	2610	9270	8170	5820	4600	1240	676	847	1110	743
23	723	1260	3150	8950	11200	5340	3690	1670	510	1410	1400	735
24	3240	1120	15300	6580	7040	4140	3380	1140	738	6670	1280	643
25	3580	1740	11300	5040	5950	3480	2960	1420	722	5980	984	684
26	14800	915	6640	4890	6020	3290	2430	1540	909	2320	864	642
27	5600	1510	6630	3970	9970	2990	2690	1130	651	2870	786	425
28	4600	1660	5840	3740	6810	3160	11500	1820	670	5000	909	1060
29	3820	1470	4440	4070	---	2860	10600	6280	709	2930	803	672
30	3490	1530	4110	3130	---	2550	11700	5160	567	2670	975	506
31	2490	---	2980	3400	---	3320	---	2710	---	2150	642	---
MEAN	2004	1788	3451	8436	8017	7742	4421	3374	1326	2058	2306	734
MAX	14800	4620	15300	22500	26000	26300	11700	13400	4850	6670	10200	1560
MIN	359	915	1050	2180	2370	2550	1580	842	510	380	642	374

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1998, BY WATER YEAR (WY)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
MEAN	1364	2772	5953	5842	7843	7058	4797	5091	3609	2059	1240	950			
MAX	2305	8154	15520	12060	17580	11750	16630	29390	14180	10680	2306	1693			
(WY)	1995	1987	1991	1989	1991	1995	1991	1991	1997	1989	1998	1996			
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 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1984 - 1998

ANNUAL MEAN	5309		3789		4067	
HIGHEST ANNUAL MEAN					8424	1991
LOWEST ANNUAL MEAN					1781	1988
HIGHEST DAILY MEAN	53000	Mar 4	26300	Mar 8	103000	May 28 1991
LOWEST DAILY MEAN	359	Oct 22	359	Oct 22	77	Jun 15 1985
ANNUAL SEVEN-DAY MINIMUM	704	Sep 12	594	Jun 27	138	Sep 16 1984
INSTANTANEOUS PEAK FLOW			33900	Feb 17	123000	Mar 18 1973
INSTANTANEOUS PEAK STAGE			23.70	Feb 17	45.02	Mar 18 1973
10 PERCENT EXCEEDS	12300		9890		9340	
50 PERCENT EXCEEDS	2670		2210		1890	
90 PERCENT EXCEEDS	883		727		500	

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: Sept. 2-15. Records good except for estimated daily discharges, which are poor. Satellite telemeter and U. S. Army Corps of Engineers telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 9	1300	*25,700	*18.35	Feb. 20	0100	6,350	14.35
Jan. 18	1100	9,080	15.47	Mar. 9	0300	8,780	15.36

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	412	686	1150	1490	1310	4290	1320	1080	757	169	543	270
2	357	838	1420	1270	1250	3640	1590	1010	564	174	454	e290
3	323	1040	1100	1150	1370	2390	1500	930	464	189	398	e317
4	302	835	1030	1080	1920	1830	1530	879	404	169	351	e295
5	293	672	1300	1150	2690	2510	1610	862	392	161	317	e250
6	285	618	1190	1670	4200	4240	1340	785	796	160	289	e220
7	276	757	992	3610	4150	7130	1190	731	1030	164	281	e210
8	274	843	887	7980	2790	8560	1120	709	778	149	497	e200
9	272	723	886	22000	1950	8350	1100	741	581	141	1010	e193
10	262	641	983	13500	1630	7840	1160	711	475	139	1200	e187
11	255	595	1200	7540	1730	6070	1110	653	424	179	802	e177
12	258	579	1290	4880	2090	4030	991	625	391	259	619	e175
13	258	564	1080	3600	2240	2970	915	589	375	408	846	e170
14	285	580	953	2910	1760	2350	870	538	456	660	806	e170
15	389	663	877	2590	1500	2020	884	500	635	1420	776	e173
16	496	688	823	3290	1780	1820	919	471	586	1890	1560	176
17	373	604	777	5930	2900	1680	1110	457	511	2460	1910	174
18	312	543	743	8700	4210	1660	1300	439	415	2690	1910	175
19	292	517	717	6760	5380	2010	2020	411	345	1060	1230	172
20	281	508	695	4720	5530	2870	2760	385	310	703	835	169
21	273	507	695	4220	3640	3420	3130	367	298	595	677	223
22	273	594	827	3780	2530	3450	2560	353	280	584	575	372
23	283	860	1090	3220	2080	2750	1720	343	273	555	488	344
24	375	819	1930	3160	1990	2010	1440	335	249	477	434	268
25	642	697	2870	3100	1820	1730	1250	325	229	497	395	225
26	1110	640	3940	2540	1690	1570	1100	325	217	681	365	205
27	1890	595	5020	2030	2310	1430	1000	341	206	605	342	194
28	2600	578	3790	1850	3260	1320	994	404	199	619	318	186
29	1990	581	2400	1740	---	1250	1180	574	188	824	297	181
30	966	684	1860	1550	---	1200	1260	983	179	864	280	176
31	760	---	1730	1420	---	1160	---	1120	---	691	269	---
TOTAL	17417	20049	46245	134430	71700	99550	41973	18976	13007	20336	21074	6537
MEAN	562	668	1492	4336	2561	3211	1399	612	434	656	680	218
MAX	2600	1040	5020	22000	5530	8560	3130	1120	1030	2690	1910	372
MIN	255	507	695	1080	1250	1160	870	325	179	139	269	169
MED	302	641	1090	3160	2090	2390	1220	574	398	555	497	194
CFSM	.70	.84	1.87	5.43	3.21	4.02	1.75	.77	.54	.82	.85	.27
IN.	.81	.93	2.16	6.27	3.34	4.64	1.96	.88	.61	.95	.98	.30

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 1998, BY WATER YEAR (WY)

	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	1996	1997	1998	
MEAN	533	1005	1983	2460	2369	2844	2300	1794	865	582	406	380																						
MAX	2349	2938	5698	4954	5459	6815	6130	8329	5020	1880	1175	1051																						
(WY)	1976	1978	1968	1974	1991	1980	1991	1997	1997	1994	1975	1979																						
MIN	134	275	464	519	904	703	461	315	137	164	117	156																						
(WY)	1988	1988	1988	1986	1968	1988	1986	1992	1988	1988	1988	1984																						

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1966 - 1998

	1997	1998	1966-1998
ANNUAL TOTAL	698408	511294	
ANNUAL MEAN	1913	1401	1457
HIGHEST ANNUAL MEAN			2747
LOWEST ANNUAL MEAN			503
HIGHEST DAILY MEAN	27200	May 4	63900
LOWEST DAILY MEAN	179	Sep 23	90
ANNUAL SEVEN-DAY MINIMUM	190	Sep 18	99
INSTANTANEOUS PEAK FLOW			80000
INSTANTANEOUS PEAK STAGE			23.48
INSTANTANEOUS LOW FLOW			89
ANNUAL RUNOFF (CFSM)	2.40	1.76	1.83
ANNUAL RUNOFF (INCHES)	32.56	23.83	24.80
10 PERCENT EXCEEDS	4030	3180	3120
50 PERCENT EXCEEDS	1090	796	769
90 PERCENT EXCEEDS	285	222	231

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 1997 TO SEPTEMBER 1998

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)
FEB 03...	1340	1370	38	141
MAR 17...	1545	1680	48	218
APR 29...	1635	1250	65	219

02440500 CHUQUATONCHEE CREEK NEAR WEST POINT, MS

LOCATION.--Lat 33°36'25", Long 88°42'30", on line between SW 1/4 sec. 7 and 18, T.17 N., R.6 E., Chickasaw Meridian, Clay County, Hydrologic Unit 03160104, at bridge on State Highway 50, 3.0 mi west of West Point.

DRAINAGE AREA.--505 mi², revised.

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

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

REMARKS.--Estimated daily discharges: Jan. 4-5 and Sept. 23-26. Records good except for periods of estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	180	214	290	274	896	845	1460	3300	21	503	30
2	21	968	144	231	268	489	1160	1850	702	23	226	28
3	19	449	115	200	391	380	665	740	206	24	167	26
4	18	214	219	e320	488	319	541	427	153	26	134	24
5	17	150	230	e500	350	1350	343	324	182	23	111	24
6	15	149	151	2010	264	4330	266	252	1120	20	97	21
7	15	254	117	3910	234	9820	227	213	792	18	91	20
8	14	176	106	5490	215	10900	206	193	259	17	178	19
9	13	132	146	6630	202	8980	204	227	156	19	1070	18
10	13	109	514	5720	188	7600	222	208	116	56	681	17
11	13	97	1350	2550	2210	4440	176	184	85	47	250	16
12	13	92	507	1710	3530	1570	158	159	71	104	543	16
13	13	85	257	1830	4930	692	143	137	61	253	1150	16
14	17	93	182	925	2630	542	135	119	65	2080	1100	16
15	44	114	147	1670	630	467	130	105	69	3160	1080	16
16	40	104	123	2950	2100	426	134	103	54	1110	2220	16
17	28	91	109	3530	4660	439	153	86	62	194	2830	15
18	23	83	99	4020	8220	1540	236	75	46	109	1960	15
19	21	74	89	2460	8960	2540	1370	67	40	60	396	14
20	19	70	84	2110	6130	1770	2330	62	36	43	190	14
21	20	71	109	1130	2540	2400	2050	58	34	37	151	264
22	22	88	681	1260	916	1750	559	54	31	32	113	41
23	20	96	508	2160	1680	617	339	56	29	27	92	e38
24	98	81	2570	2210	2290	447	266	54	27	384	73	e31
25	517	72	3830	999	1500	385	216	52	26	1210	63	e24
26	799	68	5990	527	886	343	179	52	24	1780	54	e18
27	1840	67	4830	626	1990	304	159	58	22	2110	48	13
28	1730	65	1620	852	2090	276	271	59	21	2170	42	12
29	358	88	520	500	---	259	1470	694	20	2880	37	11
30	150	325	536	382	---	246	1580	1950	20	3550	34	10
31	104	---	414	313	---	224	---	3070	---	2750	32	---
TOTAL	6062	4705	26511	60015	60766	66741	16733	13148	7829	24337	15716	843
MEAN	196	157	855	1936	2170	2153	558	424	261	785	507	28.1
MAX	1840	968	5990	6630	8960	10900	2330	3070	3300	3550	2830	264
MIN	13	65	84	200	188	224	130	52	20	17	32	10
MED	21	95	219	1670	1590	617	251	137	62	60	167	18
CFSM	.39	.31	1.69	3.83	4.30	4.26	1.10	.84	.52	1.55	1.00	.06
IN.	.45	.35	1.95	4.42	4.48	4.92	1.23	.97	.58	1.79	1.16	.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1998, BY WATER YEAR (WY)

	MEAN	80.7	330	910	1490	1934	1876	1270	703	278	269	94.7	119
MAX	1177	4459	5071	4927	5088	4970	4060	3106	2978	1794	694	2096	
(WY)	1958	1958	1962	1949	1948	1973	1964	1997	1997	1963	1946	1950	
MIN	.000	.000	7.87	19.0	194	233	123	42.9	11.3	10.6	.000	.000	
(WY)	1953	1954	1944	1956	1963	1954	1967	1965	1965	1969	1954	1954	

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1944 - 1998

ANNUAL TOTAL	423577	303406	774
ANNUAL MEAN	1160	831	1371
HIGHEST ANNUAL MEAN			249
LOWEST ANNUAL MEAN			1954
HIGHEST DAILY MEAN	16800	May 4	10900
LOWEST DAILY MEAN	13	Oct 9	10
ANNUAL SEVEN-DAY MINIMUM	13	Oct 7	13
INSTANTANEOUS PEAK FLOW			11700
INSTANTANEOUS PEAK STAGE			18.16
ANNUAL RUNOFF (CFSM)	2.30	1.65	1.53
ANNUAL RUNOFF (INCHES)	31.20	22.35	20.82
10 PERCENT EXCEEDS	3940	2360	2230
50 PERCENT EXCEEDS	214	193	99
90 PERCENT EXCEEDS	33	20	2.0

e Estimated

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

LOCATION.--Lat 33°31'05", 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 good except those below 1,000 ft³/s, which are poor. Reservoir is formed by earth fill dam with concrete spillway with five 60 ft wide tainter gates with sill elevation of 138.0 ft above sea level and 110 ft by 600 ft lock with maximum lift of 27 ft at normal pool elevation of 163.0 ft above sea level. Minimum flow structure with manually operated gates and maximum discharge of about 300 ft³/s at normal pool. Storage began Jan. 16, 1981, dam completed Jan. 29, 1981. Capacity 59,500 acre-ft at normal pool. Regulation for maintenance of navigational pool only. Beginning April 1, 1981, daily discharge computed from relation between discharge, head, gate openings, lockages, and minimum flow structure. Statistics shown below are for water years 1982 to the current year, except for instantaneous extremes, which are shown for the entire period of record at the datum then in use. Satellite telemeter at station.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1110	4830	3410	5010	4550	12000	8740	17900	6460	731	3940	750
2	1240	6360	2920	3900	5190	9710	7270	11600	4600	375	1350	1190
3	1090	3830	3880	3770	6350	8430	7310	10300	1980	838	2160	695
4	1770	2510	2800	3370	7170	5930	6310	8410	2510	997	1200	709
5	1240	3350	3720	9540	6640	23500	6030	6420	3660	1600	1740	1120
6	1120	2360	3680	14300	7510	38200	4610	5000	6700	440	1120	1370
7	1540	3350	2440	32900	7750	35900	4250	3480	5110	736	1370	789
8	669	2990	3190	52400	7480	60900	4530	4350	2690	956	3970	769
9	1480	2680	2560	36600	6070	57400	4110	3770	2410	1410	5540	1280
10	1290	2770	7200	44600	5650	41900	3780	4050	1710	722	4700	823
11	946	2110	6510	34900	23900	31500	3850	2970	1720	1780	3710	1000
12	1340	2670	5540	24400	20700	20800	3410	2980	2280	2930	4960	699
13	1920	2110	3650	16200	16800	11600	2960	2740	1760	4020	5220	948
14	1920	2390	2960	12800	15000	9300	3650	2580	1640	12900	6510	1020
15	669	1920	2580	15600	9770	7090	2800	2210	2490	8120	9180	943
16	1100	2330	2510	32200	24100	6530	3120	2680	1630	7190	15200	915
17	1540	2260	2690	26800	46000	6150	5420	1620	1240	4430	8890	980
18	1230	2270	2450	22500	51400	12300	5950	2060	1740	3370	8680	803
19	1300	1970	1660	28100	34000	14500	18500	1580	1030	3780	5670	690
20	871	2180	2530	20600	31100	23200	12100	1590	938	1970	2790	1540
21	2120	2380	3250	15200	23700	14700	11200	1730	1540	1910	2390	2580
22	910	2270	4720	17400	15000	12800	8930	1660	1360	996	2020	776
23	434	2210	5710	18100	17800	10100	7170	2190	737	2280	1810	1220
24	4120	2130	32300	13900	13200	7830	5530	1590	940	7180	1720	976
25	4640	2740	26600	11600	11300	5770	4170	1870	716	10400	1820	983
26	18900	1780	17100	9000	10900	5670	3800	2080	1250	5010	1320	918
27	10300	2230	17400	8650	20300	4850	4130	1390	778	5810	1160	632
28	7930	2130	15800	7320	13100	4870	10700	2580	648	9010	1080	1160
29	6820	3490	9760	7730	---	4580	16600	9540	1040	6930	1120	1190
30	4530	2960	7780	5400	---	3880	11100	8630	615	6120	1220	466
31	3670	---	5330	5670	---	5280	---	6460	---	5840	1170	---
TOTAL	89759	81560	214630	560460	462430	517170	202030	138010	63922	120781	114730	29934
MEAN	2895	2719	6924	18080	16520	16680	6734	4452	2131	3896	3701	998
MAX	18900	6360	32300	52400	51400	60900	18500	17900	6700	12900	15200	2580
MIN	434	1780	1660	3370	4550	3880	2800	1390	615	375	1080	466
CFSM	.65	.61	1.56	4.07	3.72	3.76	1.52	1.00	.48	.88	.83	.22
IN.	.75	.68	1.80	4.70	3.87	4.33	1.69	1.16	.54	1.01	.96	.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 1998, BY WATER YEAR (WY)

	MEAN	2167	4370	12700	12220	15110	13320	11730	10840	5674	3199	1897	1431
MAX	5896	12940	36640	26290	33900	22820	37260	56740	24690	12310	3701	3001	
(WY)	1985	1987	1983	1989	1991	1995	1983	1991	1997	1994	1998	1996	
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 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1982 - 1998

ANNUAL TOTAL	3552696	2595416	
ANNUAL MEAN	9733	7111	
HIGHEST ANNUAL MEAN			15970
LOWEST ANNUAL MEAN			2742
HIGHEST DAILY MEAN	69800	May 3	166000
LOWEST DAILY MEAN	434	Oct 23	120
ANNUAL SEVEN-DAY MINIMUM	921	Sep 14	170
INSTANTANEOUS PEAK FLOW			71200
INSTANTANEOUS PEAK STAGE			53.19
ANNUAL RUNOFF (CFSM)	2.19		42.22
ANNUAL RUNOFF (INCHES)	29.77		1.77
10 PERCENT EXCEEDS	27000		18700
50 PERCENT EXCEEDS	4280		3220
90 PERCENT EXCEEDS	1300		734

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 Stennis Lock and Dam, near Columbus, 6.7 mi downstream from Tibbee Creek, and at mile 319.7.

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

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

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

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

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

EXTREMES 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, 21.44 ft, Jan. 8, minimum daily, 7.58 ft, Sept. 15.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.68	8.24	7.92	8.15	7.94	9.78	8.71	10.66	8.25	7.74	7.94	7.67
2	7.68	7.91	7.86	7.88	8.07	9.08	8.53	9.33	7.93	7.72	7.74	7.68
3	7.75	7.77	8.04	7.98	8.37	8.71	8.49	9.07	7.65	7.72	7.85	7.65
4	7.73	7.77	7.82	7.86	8.51	8.22	8.29	8.78	7.71	7.79	7.73	7.63
5	7.71	7.93	7.71	8.86	8.61	11.29	8.22	8.22	7.80	7.83	7.73	7.73
6	7.77	7.69	7.58	10.30	8.61	16.22	7.97	8.05	8.06	7.66	7.70	7.73
7	7.64	7.84	7.48	14.62	8.48	16.77	8.11	7.88	8.08	7.64	7.67	7.59
8	7.74	7.78	7.79	21.44	8.48	20.42	8.22	7.92	7.70	7.70	8.14	7.48
9	7.74	7.82	7.83	20.00	8.20	20.99	8.15	7.89	7.59	7.81	8.12	7.59
10	7.70	7.79	8.40	19.69	8.23	17.70	8.17	7.93	7.45	7.71	8.20	7.73
11	7.81	7.72	8.25	16.69	11.53	15.01	8.14	7.73	---	7.82	7.98	7.70
12	7.74	7.83	8.14	13.31	11.91	12.20	8.19	7.78	---	7.84	8.08	7.64
13	7.58	7.77	7.86	11.01	10.40	9.79	8.19	7.68	---	7.95	8.16	7.63
14	7.44	7.79	7.82	9.81	10.01	8.92	8.24	7.73	---	9.46	8.26	7.60
15	7.61	7.76	7.79	10.20	8.80	8.52	8.10	7.68	---	8.73	8.73	7.73
16	7.74	7.76	7.73	14.04	11.59	8.34	8.23	7.70	---	8.67	9.89	7.74
17	7.68	7.80	7.85	14.40	16.87	8.42	8.37	7.67	7.73	8.17	8.92	7.62
18	7.65	7.72	7.71	12.97	18.95	9.22	8.59	7.62	7.76	7.99	8.82	7.68
19	7.76	7.80	7.65	13.96	15.77	10.29	11.66	7.58	7.69	8.00	8.39	7.64
20	7.75	7.84	7.84	12.31	14.60	12.28	10.98	7.62	7.70	7.81	7.87	7.69
21	7.56	7.89	7.95	10.63	12.84	10.70	10.41	7.66	7.74	7.75	7.82	7.81
22	7.52	7.77	8.06	11.03	10.41	9.91	9.49	7.69	7.70	7.70	7.71	7.61
23	8.01	7.76	8.27	11.82	10.82	9.10	8.84	7.72	7.64	7.79	7.82	7.65
24	8.03	7.77	13.87	10.52	9.83	8.52	8.51	7.66	7.66	8.48	7.70	7.64
25	10.72	7.85	14.31	9.76	9.35	8.29	8.32	7.70	7.70	8.93	7.73	7.74
26	9.30	7.75	11.56	8.88	9.08	8.15	8.25	7.63	7.69	8.11	7.70	7.81
27	8.79	7.82	11.29	8.72	11.78	8.02	8.29	7.44	7.72	8.11	7.66	7.68
28	8.34	7.78	10.64	8.49	10.17	8.19	9.05	7.64	7.60	8.64	7.66	7.61
29	8.04	7.96	9.23	8.39	---	8.10	10.38	8.46	7.69	8.47	7.66	7.47
30	7.86	8.00	8.64	8.21	---	7.93	9.41	8.70	7.73	8.26	7.57	7.37
31	7.97	---	8.11	8.05	---	8.14	---	8.05	---	8.22	7.65	---
MEAN	7.94	7.82	8.68	11.61	10.65	10.88	8.75	8.03	---	8.07	8.02	7.65
MAX	10.72	8.24	14.31	21.44	18.95	20.99	11.66	10.66	---	9.46	9.89	7.81
MIN	7.44	7.69	7.48	7.86	7.94	7.93	7.97	7.44	---	7.64	7.57	7.37

MOBILE RIVER BASIN

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. 24-28. Records fair except for estimated daily discharges, which are poor. Satellite telemeter and U.S. Army Corps of Engineers radio telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 9	1700	*19,700	*19.62	Mar. 7	1915	9,740	13.73

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	243	459	1130	903	1010	2500	993	833	489	131	402	200
2	191	441	1100	736	1010	1980	1180	778	427	130	341	262
3	164	504	1030	623	1280	1620	1410	716	342	135	296	255
4	157	551	962	550	2100	1330	1470	654	280	133	263	210
5	152	469	930	834	3120	1740	1480	611	264	136	237	186
6	148	433	904	1460	2530	4210	1210	574	420	137	219	170
7	147	436	840	4720	2080	9040	1080	541	698	129	218	161
8	146	507	779	14200	1690	8940	973	509	656	129	591	155
9	146	503	735	19100	1390	6660	978	482	515	157	1020	149
10	147	451	694	14400	1220	4830	1020	478	399	174	809	144
11	147	409	661	5460	1430	3330	1010	458	318	171	658	139
12	149	388	639	2870	1620	2380	891	440	279	197	597	136
13	150	392	618	2190	1550	1890	812	415	252	319	586	136
14	154	410	590	1820	1300	1610	743	384	242	764	573	138
15	162	435	553	1680	1170	1450	710	358	310	1150	598	140
16	174	443	514	2630	1560	1330	716	338	339	2060	807	140
17	183	433	480	4760	2940	1270	852	324	345	2150	1530	138
18	186	413	458	4980	4120	1290	1860	313	307	1710	1890	136
19	188	391	440	3790	4010	1710	3750	294	258	1280	1510	132
20	188	374	422	3080	2940	2500	5450	276	225	788	1060	130
21	188	366	410	2350	2200	2460	4640	264	205	515	706	134
22	187	421	419	2250	1700	2110	3020	253	193	472	534	183
23	187	617	497	2890	1550	1710	2040	244	184	490	423	211
24	189	709	e860	3310	1450	1460	1590	236	175	523	346	190
25	195	637	e990	2370	1320	1290	1280	232	166	525	300	165
26	735	588	e1070	1930	1240	1180	1080	228	158	545	269	147
27	1390	542	e1290	1580	2010	1080	949	227	152	568	247	138
28	1680	502	e1950	1370	2970	998	875	221	143	559	226	132
29	990	472	1580	1230	---	941	877	304	138	515	209	130
30	722	705	1230	1100	---	893	884	414	133	500	197	126
31	537	---	1090	996	---	861	---	520	---	455	188	---
TOTAL	10322	14401	25865	112162	54510	76593	45823	12919	9012	17647	17850	4813
MEAN	333	480	834	3618	1947	2471	1527	417	300	569	576	160
MAX	1680	709	1950	19100	4120	9040	5450	833	698	2150	1890	262
MIN	146	366	410	550	1010	861	710	221	133	129	188	126
MED	186	447	779	2250	1590	1710	1050	384	272	490	423	142
AC-FT	20470	28560	51300	222500	108100	151900	90890	25620	17880	35000	35410	9550
CFSM	.47	.67	1.17	5.06	2.72	3.46	2.14	.58	.42	.80	.81	.22
IN.	.54	.75	1.35	5.84	2.84	3.98	2.38	.67	.47	.92	.93	.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1998, BY WATER YEAR (WY)

	MEAN	402	837	1419	2027	1988	2459	2134	1385	601	482	285	286
MAX	1675	3011	5840	3857	4650	6465	5671	7073	2886	1855	1201	1901	
(WY)	1976	1930	1984	1979	1990	1980	1991	1991	1997	1994	1975	1973	
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 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1929 - 1998	
ANNUAL TOTAL	459979		401917		1193	
ANNUAL MEAN	1260		1101		2277	1991
HIGHEST ANNUAL MEAN					320	1988
LOWEST ANNUAL MEAN					38000	Apr 14 1979
HIGHEST DAILY MEAN	12100	May 5	19100	Jan 9	25	Aug 18 1988
LOWEST DAILY MEAN	146	Oct 8	126	Sep 30	29	Aug 14 1988
ANNUAL SEVEN-DAY MINIMUM	147	Oct 6	133	Jul 2	40400	Apr 14 1979
INSTANTANEOUS PEAK FLOW			19700	Jan 9	32.35	Apr 14 1979
INSTANTANEOUS PEAK STAGE			19.62	Jan 9	28	Sep 2 1988
INSTANTANEOUS LOW FLOW			124	Sep 30	864100	
ANNUAL RUNOFF (AC-FT)	912400		797200		1.67	
ANNUAL RUNOFF (CFSM)	1.76		1.54		22.67	
ANNUAL RUNOFF (INCHES)	23.93		20.91		2580	
10 PERCENT EXCEEDS	3000		2290		591	
50 PERCENT EXCEEDS	735		553		129	
90 PERCENT EXCEEDS	190		150			

e Estimated

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 1997 TO SEPTEMBER 1998

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
FEB 03...	0845	1150	35	109
MAR 17...	1240	1200	38	123
APR 28...	0910	873	37	87

MOBILE RIVER BASIN

02448000 NOXUBEE RIVER AT MACON. MS

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

DRAINAGE AREA.--768 mi².

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

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

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

REMARKS.--No estimated daily discharges. Records good. Satellite telemeter and U.S. Army Corps of Engineers radio telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 26	1200	5,560	23.20	Feb. 19	0400	5,720	23.50
Jan. 8	2200	*11,100	*28.11	Mar. 9	2300	6,180	24.30

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	136	239	1250	1140	734	2710	532	336	378	68	159	81
2	113	498	1220	786	747	2210	610	316	364	64	127	80
3	101	314	1220	651	1970	1950	690	285	252	70	105	78
4	94	245	1160	560	2500	1450	1080	265	173	74	95	78
5	90	251	860	1390	1690	1060	832	244	146	70	86	79
6	87	242	654	2430	1360	1280	690	226	196	79	84	75
7	85	278	555	5460	1140	2400	534	219	205	113	88	73
8	81	236	455	9510	911	5130	454	221	186	76	85	72
9	79	203	403	9810	729	5890	655	209	189	73	85	69
10	79	192	444	7610	624	5800	493	758	193	63	87	66
11	79	184	457	6950	2220	5110	382	964	158	65	91	64
12	77	173	402	6850	3530	5210	335	607	132	160	224	66
13	78	172	367	6190	2890	4890	300	512	116	481	467	76
14	87	200	350	4880	2330	3620	509	341	108	622	565	77
15	97	197	332	2610	2370	1530	527	263	104	1030	745	70
16	92	178	329	2670	3730	927	371	217	107	1700	600	68
17	91	174	309	2650	4690	782	497	193	103	1270	291	69
18	98	168	290	2230	5380	818	1490	175	103	823	204	74
19	102	159	344	2350	5590	1520	4280	171	103	618	191	72
20	92	152	322	2410	5250	2130	3560	147	103	423	194	71
21	86	347	629	2150	5140	1920	1740	137	93	464	197	71
22	86	1200	1850	3510	4490	1900	1390	130	85	324	153	71
23	115	710	1300	4680	3720	1900	1130	123	79	254	126	71
24	194	383	3950	4350	2740	1600	769	120	78	221	108	68
25	270	383	5110	2990	1890	1110	570	116	75	370	101	66
26	714	282	5480	2380	2000	818	458	114	72	266	101	66
27	1370	213	5080	2350	3610	670	384	109	68	376	94	65
28	692	188	4610	1880	3680	586	339	105	78	396	87	65
29	604	861	4730	1360	---	518	328	242	73	663	83	65
30	405	1600	4530	1090	---	473	320	310	74	286	81	65
31	260	---	3080	880	---	438	---	279	---	224	82	---
TOTAL	6634	10622	52072	106757	77655	68350	26249	8454	4194	11786	5786	2131
MEAN	214	354	1680	3444	2773	2205	875	273	140	380	187	71.0
MAX	1370	1600	5480	9810	5590	5890	4280	964	378	1700	745	81
MIN	77	152	290	560	624	438	300	105	68	63	81	64
CFSM	.28	.46	2.19	4.48	3.61	2.87	1.14	.36	.18	.50	.24	.09
IN.	.32	.51	2.52	5.17	3.76	3.31	1.27	.41	.20	.57	.28	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 1998, BY WATER YEAR (WY)

MEAN	173	428	1148	1976	2341	2431	2081	1059	360	431	201	205
MAX	1970	2518	6913	8286	6013	6396	11290	6567	2046	5315	1335	2520
(WY)	1976	1958	1962	1974	1983	1980	1979	1991	1997	1940	1946	1979
MIN	32.1	46.4	78.3	69.5	293	423	119	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 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1928 - 1998

ANNUAL TOTAL	472846		380690			
ANNUAL MEAN	1295		1043		1063	
HIGHEST ANNUAL MEAN					2666	1983
LOWEST ANNUAL MEAN					248	1963
HIGHEST DAILY MEAN	6390	Apr 29	9810	Jan 9	110000	Apr 13 1979
LOWEST DAILY MEAN	77	Oct 12	63	Jul 10	23	Aug 26 1943
ANNUAL SEVEN-DAY MINIMUM	80	Oct 7	66	Sep 24	25	Aug 24 1943
INSTANTANEOUS PEAK FLOW			11100	Jan 8	125000	Apr 13 1979
INSTANTANEOUS PEAK STAGE			28.11	Jan 8	38.97	Apr 13 1979
INSTANTANEOUS LOW FLOW			59	Jul 10	22	Aug 25 1943
ANNUAL RUNOFF (CFSM)	1.69		1.36		1.38	
ANNUAL RUNOFF (INCHES)	22.90		18.44		18.81	
10 PERCENT EXCEEDS	3760		3540		3210	
50 PERCENT EXCEEDS	580		329		236	
90 PERCENT EXCEEDS	125		76		59	

02448500 NOXUBEE RIVER NEAR GEIGER, AL

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

DRAINAGE AREA.--1,097 mi².

PERIOD OF RECORD.--March 1939 to September 1940, August 1944 to September 1965, October 1965 to September 1966 (gage heights only), October 1966 to current year. Monthly discharge only for period October to December 1966.

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

GAGE.--Water-stage recorder. Datum of gage is 86.08 ft above sea level. Prior to Sept. 30, 1940, nonrecording gage at site of old highway bridge 1 mi downstream at datum 1.44 ft lower. July 26, 1944 to June 5, 1949, nonrecording gage at site on old river channel 1 mi south at same datum. June 6, 1949 to Sept. 30, 1984, at site on old river channel 1 mi south at same datum.

REMARKS.--No estimated daily discharges. Records good. 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 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	204	362	2090	3080	957	4500	1510	409	346	99	326	97
2	169	430	1360	1190	855	3120	1050	410	366	97	235	101
3	140	583	1240	833	2680	2320	1460	386	400	95	193	99
4	125	390	1460	716	4750	1900	1270	352	312	111	161	91
5	111	291	1230	2250	3370	1560	1140	329	233	105	142	89
6	110	327	878	5180	1980	2010	859	310	201	99	130	89
7	105	368	687	11100	1510	2730	719	285	225	97	120	89
8	97	352	593	19000	1210	7070	598	272	261	127	124	86
9	95	302	522	17200	980	7910	996	271	234	136	129	83
10	97	252	499	14900	819	7410	916	1400	219	117	140	81
11	96	230	535	13000	1880	6760	614	1180	234	109	135	78
12	95	228	525	11500	3910	5900	481	846	210	104	134	78
13	95	230	461	9870	3980	5270	419	619	180	177	426	77
14	110	232	434	8370	3140	4910	408	513	160	519	585	78
15	106	261	459	6860	2460	3810	718	381	149	739	610	88
16	110	250	709	6270	3860	1600	636	311	143	1210	791	90
17	113	224	883	4970	5890	1010	650	264	138	1670	685	82
18	109	211	849	3630	6090	1170	2820	235	142	1250	390	79
19	108	202	639	3470	5900	1750	7340	213	138	829	259	79
20	117	193	542	3150	5720	2520	7450	209	137	645	221	83
21	111	537	944	2770	5400	2670	5270	185	137	496	213	83
22	111	3030	3300	5650	5140	2110	2270	173	133	514	235	81
23	104	1720	2760	8400	4840	1970	1500	167	122	400	191	81
24	166	837	5910	7610	4230	1880	1130	160	113	327	156	80
25	318	510	7950	5900	2960	1510	809	155	110	287	135	79
26	473	449	7040	3910	2760	1030	638	160	109	439	119	77
27	865	368	6110	2940	6560	786	536	149	104	447	113	75
28	1260	287	5690	2700	5920	676	471	145	100	446	110	75
29	712	1400	5130	2030	---	611	431	146	98	562	106	73
30	584	3220	4830	1490	---	558	422	232	104	744	100	72
31	450	---	4580	1160	---	549	---	377	---	390	95	---
TOTAL	7466	18276	70839	191099	99751	89580	45531	11244	5558	13387	7509	2493
MEAN	241	609	2285	6164	3563	2890	1518	363	185	432	242	83.1
MAX	1260	3220	7950	19000	6560	7910	7450	1400	400	1670	791	101
MIN	95	193	434	716	819	549	408	145	98	95	95	72
CFSM	.22	.56	2.08	5.62	3.25	2.63	1.38	.33	.17	.39	.22	.08
IN.	.25	.62	2.40	6.48	3.38	3.04	1.54	.38	.19	.45	.25	.08

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1939 - 1998
ANNUAL TOTAL	630323	562733	
ANNUAL MEAN	1727	1542	1580
HIGHEST ANNUAL MEAN			3967
LOWEST ANNUAL MEAN			327
HIGHEST DAILY MEAN	8400	19000	136000
LOWEST DAILY MEAN	95	72	22
ANNUAL SEVEN-DAY MINIMUM	97	76	23
INSTANTANEOUS PEAK FLOW		19800	156000
INSTANTANEOUS PEAK STAGE		38.89	48.58
ANNUAL RUNOFF (CFSM)	1.57	1.41	1.44
ANNUAL RUNOFF (INCHES)	21.37	19.08	19.57
10 PERCENT EXCEEDS	4990	5160	4930
50 PERCENT EXCEEDS	781	446	359
90 PERCENT EXCEEDS	144	97	76

MOBILE RIVER BASIN

02467200 SUCARNOOCHEE RIVER NEAR PORTERVILLE, MS

LOCATION.--Lat 32° 41'55", Long 88° 29'07", in NE 1/4 NE 1/4 sec. 19, T.10N., R.18E., Choctaw Meridian, Kemper County, Hydrologic Unit 03160202, on right downstream end of the northbound bridge on U.S. Highway 45, 4.9 miles south of Electric Mills, MS.

DRAINAGE AREA.--135 mi².

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

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

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

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	74	320	200	212	433	336	163	90	41	55	49
2	51	118	205	183	220	321	278	144	79	41	53	49
3	49	98	174	174	436	268	273	133	71	42	50	48
4	49	78	193	167	469	237	287	138	64	43	49	46
5	49	72	167	509	310	249	204	125	64	47	47	44
6	48	77	145	958	256	402	175	115	95	51	47	42
7	48	108	129	2720	231	431	159	112	127	62	46	41
8	47	89	125	5710	212	1150	152	109	89	53	48	42
9	45	81	131	2580	198	1030	183	103	77	48	69	42
10	45	77	127	967	187	473	162	101	69	43	76	40
11	44	77	124	476	403	341	137	134	65	50	64	40
12	45	79	114	501	490	288	128	104	61	88	58	49
13	45	112	108	537	305	257	123	96	59	203	63	68
14	61	114	107	396	252	237	158	91	57	375	77	65
15	84	99	130	372	224	220	268	87	56	336	168	50
16	57	90	165	680	436	207	167	84	65	224	284	49
17	51	85	180	482	609	230	163	84	81	163	180	49
18	49	82	198	349	491	286	727	80	63	117	116	47
19	47	83	182	468	338	375	1540	76	58	94	102	44
20	47	84	160	420	280	352	1420	72	55	82	83	44
21	48	163	247	318	244	266	510	69	53	74	73	45
22	47	628	600	928	233	223	327	68	53	67	67	48
23	51	259	391	1640	282	201	269	68	49	63	61	49
24	63	159	1080	1390	246	187	229	72	47	61	57	44
25	135	130	1490	522	210	175	199	67	45	154	55	42
26	132	117	819	379	437	166	175	59	46	120	52	41
27	137	110	453	383	1270	159	163	59	45	84	49	41
28	89	106	397	336	968	155	159	61	44	74	48	44
29	73	424	321	284	---	151	167	63	45	84	46	44
30	68	725	274	254	---	146	164	175	41	67	46	46
31	65	---	228	229	---	156	---	116	---	61	45	---
TOTAL	1923	4598	9484	25512	10449	9772	9402	3028	1913	3112	2334	1392
MEAN	62.0	153	306	823	373	315	313	97.7	63.8	100	75.3	46.4
MAX	137	725	1490	5710	1270	1150	1540	175	127	375	284	68
MIN	44	72	107	167	187	146	123	59	41	41	45	40
CFSM	.46	1.14	2.27	6.10	2.76	2.34	2.32	.72	.47	.74	.56	.34
IN.	.53	1.27	2.61	7.03	2.88	2.69	2.59	.83	.53	.86	.64	.38

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1998, BY WATER YEAR (WY)

	MEAN	65.7	123	239	571	484	288	338	116	159	107	82.5	58.7
MAX	69.5	153	306	823	595	315	362	165	325	151	151	87.0	74.4
(WY)	1997	1998	1998	1998	1997	1998	1997	1997	1997	1997	1997	1996	1996
MIN	62.0	92.0	172	320	373	260	313	86.0	63.8	69.5	75.3	46.4	46.4
(WY)	1998	1997	1997	1997	1998	1997	1998	1996	1998	1996	1998	1998	1998

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1996 - 1998

ANNUAL TOTAL	85335	82919	
ANNUAL MEAN	234	227	223
HIGHEST ANNUAL MEAN			227
LOWEST ANNUAL MEAN			218
HIGHEST DAILY MEAN	2060	Apr 28	5710 Jan 8 1998
LOWEST DAILY MEAN	44	Sep 22	40 Sep 10 1998
ANNUAL SEVEN-DAY MINIMUM	46	Sep 17	42 Sep 5 1998
INSTANTANEOUS PEAK FLOW			7170 Jan 8 1998
INSTANTANEOUS PEAK STAGE			19.93 Jan 8 1998
INSTANTANEOUS LOW FLOW			38 Sep 25 1998
ANNUAL RUNOFF (CFSM)	1.73	1.68	1.65
ANNUAL RUNOFF (INCHES)	23.51	22.85	22.40
10 PERCENT EXCEEDS	513	443	397
50 PERCENT EXCEEDS	135	114	108
90 PERCENT EXCEEDS	53	46	49

PASCAGOULA RIVER BASIN

57

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

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 26	2015	9,910	17.99	Mar. 1	0915	9,480	17.63
Jan. 10	0400	*15,900	*22.33	Mar. 10	0900	12,300	19.84
Jan. 25	0215	11,700	19.39				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	131	307	1170	1180	1280	8730	1230	2360	241	191	251	259
2	130	427	812	958	1680	4500	2400	1570	221	241	230	209
3	130	332	483	828	2630	2650	2230	1010	210	476	216	156
4	132	296	482	752	3000	1650	1530	950	202	421	202	139
5	134	256	400	1630	2470	1200	1140	678	201	353	190	131
6	136	225	368	2590	1640	1110	919	577	789	279	184	128
7	138	205	349	10000	1210	2470	763	530	1390	250	180	127
8	140	193	320	13400	1030	10500	684	495	828	238	179	125
9	141	186	309	14400	914	10900	640	453	509	228	176	126
10	144	182	299	14600	840	11600	594	419	367	292	173	130
11	145	178	286	6540	3210	5680	552	395	300	1010	172	127
12	147	198	274	5630	4760	2950	521	373	266	3370	171	189
13	155	321	277	6290	5150	1910	499	353	249	2560	197	323
14	208	402	266	5370	3840	1340	491	337	234	1380	218	255
15	241	428	265	4340	2300	1160	493	325	223	1580	213	198
16	208	346	265	4000	2840	1050	480	314	223	1010	230	177
17	190	286	270	3760	3660	4330	482	302	245	728	207	161
18	187	250	297	2880	3980	6310	817	289	254	514	195	152
19	190	232	322	2400	3190	7340	4100	276	271	406	180	159
20	190	222	311	2330	1920	5790	5650	268	244	349	170	176
21	191	369	383	2070	1280	4160	6630	260	308	368	160	191
22	197	496	1290	4560	1340	2690	3400	253	301	472	151	181
23	217	303	2790	7900	2050	1690	1860	246	265	359	143	165
24	273	269	6740	10100	2510	1290	1030	240	228	307	142	153
25	366	271	7400	9570	2050	1110	788	236	215	460	135	145
26	917	243	9240	4260	2310	983	671	230	207	549	132	140
27	792	225	7980	3650	7670	902	590	224	202	1050	133	136
28	684	213	4610	3310	7340	844	1690	218	199	705	131	188
29	488	365	3390	2970	---	791	2860	249	195	445	128	291
30	356	550	2240	2210	---	746	2310	349	191	337	129	239
31	301	---	1510	1550	---	712	---	281	---	283	135	---
TOTAL	7999	8776	55398	156028	78094	109088	48044	15060	9778	21211	5453	5276
MEAN	258	293	1787	5033	2789	3519	1601	486	326	684	176	176
MAX	917	550	9240	14600	7670	11600	6630	2360	1390	3370	251	323
MIN	130	178	265	752	840	712	480	218	191	191	128	125
CFSM	.35	.39	2.41	6.77	3.75	4.74	2.16	.65	.44	.92	.24	.24
IN.	.40	.44	2.77	7.81	3.91	5.46	2.41	.75	.49	1.06	.27	.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1998, BY WATER YEAR (WY)

	MEAN	292	602	1165	1876	2369	2330	2174	1114	451	514	338	280
MAX	1660	3674	6085	5792	7841	5649	7455	4750	1609	4373	980	1264	
(WY)	1985	1994	1962	1990	1980	1974	1991	1989	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 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1938 - 1998

	ANNUAL TOTAL	489467	520205	
ANNUAL MEAN	1341	1425	1119	
HIGHEST ANNUAL MEAN			2291	1980
LOWEST ANNUAL MEAN			393	1963
HIGHEST DAILY MEAN	26500	Apr 29	14600	Jan 10
LOWEST DAILY MEAN	125	Sep 22	125	Sep 8
ANNUAL SEVEN-DAY MINIMUM	129	Sep 18	128	Sep 5
INSTANTANEOUS PEAK FLOW			15900	Jan 10
INSTANTANEOUS PEAK STAGE			22.33	Jan 10
INSTANTANEOUS LOW FLOW			123	Sep 9
ANNUAL RUNOFF (CFSM)	1.80		1.92	
ANNUAL RUNOFF (INCHES)	24.51		26.05	
10 PERCENT EXCEEDS	3060		4120	
50 PERCENT EXCEEDS	553		366	
90 PERCENT EXCEEDS	170		156	

PASCAGOULA RIVER BASIN

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.--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)
Jan. 7	2130	*9,050	*19.10	Mar. 18	1600	5,020	13.95
Mar. 8	1130	7,040	16.73				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	161	242	420	308	412	1430	379	383	192	167	181	183
2	157	277	285	276	429	796	417	311	181	189	176	171
3	155	238	244	262	553	487	449	284	176	190	171	168
4	154	211	247	254	551	412	443	263	173	194	168	159
5	156	190	253	1190	444	406	367	258	173	218	166	154
6	175	184	230	1640	380	793	323	247	273	194	163	150
7	175	180	212	6200	348	2270	307	243	387	181	162	150
8	175	178	212	7770	329	6490	300	241	259	180	163	152
9	175	177	234	5020	316	4760	297	232	205	183	164	153
10	169	176	243	2860	312	2460	287	224	191	179	161	150
11	156	175	232	1110	1300	1320	273	218	185	190	168	149
12	155	208	219	1630	1400	689	266	213	182	246	204	214
13	159	274	207	2680	964	541	263	208	180	350	179	265
14	208	254	202	2130	587	481	262	206	179	430	221	258
15	222	220	201	1350	429	445	266	203	177	316	240	198
16	198	198	201	964	1030	418	268	202	174	252	195	174
17	171	188	199	683	1040	2960	264	200	173	216	186	166
18	165	185	196	519	744	4800	324	197	172	197	177	172
19	162	185	192	448	549	2930	544	193	174	189	171	175
20	160	186	189	437	443	1570	465	190	172	184	166	185
21	160	263	214	412	390	929	341	189	381	182	166	188
22	162	741	456	1330	673	651	290	185	204	186	162	183
23	163	1040	707	2260	1110	526	269	184	187	186	159	179
24	174	408	1820	1850	766	458	258	185	176	183	157	173
25	213	263	1890	1370	503	419	247	184	172	193	155	167
26	242	229	1900	762	755	393	241	182	169	322	153	166
27	426	211	1730	1380	2350	374	238	179	169	249	150	168
28	591	202	998	1170	2010	361	456	177	170	331	149	233
29	268	331	587	749	---	351	721	180	169	323	147	327
30	217	516	440	552	---	340	584	208	168	214	147	286
31	212	---	363	463	---	331	---	218	---	190	147	---
TOTAL	6236	8330	15723	50029	21117	41591	10409	6787	5943	7004	5274	5616
MEAN	201	278	507	1614	754	1342	347	219	198	226	170	187
MAX	591	1040	1900	7770	2350	6490	721	383	387	430	240	327
MIN	154	175	189	254	312	331	238	177	168	167	147	149
CFSM	.66	.91	1.67	5.31	2.48	4.41	1.14	.72	.65	.74	.56	.62
IN.	.76	1.02	1.92	6.12	2.58	5.09	1.27	.83	.73	.86	.65	.69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1998, BY WATER YEAR (WY)

	MEAN	206	308	504	666	796	813	730	485	270	265	232	228
MAX	841	1343	1708	1867	3294	2216	3084	2219	734	1553	660	1082	
(WY)	1986	1949	1962	1947	1961	1980	1974	1990	1997	1940	1949	1958	
MIN	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 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1938 - 1998
ANNUAL TOTAL	191022	184059	
ANNUAL MEAN	523	504	457
HIGHEST ANNUAL MEAN			868
LOWEST ANNUAL MEAN			213
HIGHEST DAILY MEAN	8890	Apr 29	7770 Jan 8
LOWEST DAILY MEAN	154	Oct 4	147 Aug 29
ANNUAL SEVEN-DAY MINIMUM	159	Sep 18	150 Aug 25
INSTANTANEOUS PEAK FLOW			9050 Jan 7
INSTANTANEOUS PEAK STAGE			19.10 Jan 7
INSTANTANEOUS LOW FLOW			147 Aug 28-31
ANNUAL RUNOFF (CFSM)	1.72	1.66	1.50
ANNUAL RUNOFF (INCHES)	23.38	22.52	20.42
10 PERCENT EXCEEDS	1110	1070	879
50 PERCENT EXCEEDS	276	230	233
90 PERCENT EXCEEDS	175	165	134

PASCAGOULA RIVER BASIN

59

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 Sanford, and 2.6 mi east from intersection of State Highway 598 and U.S. Highway 49, and 6.1 mi upstream from mouth.

DRAINAGE AREA.--257 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.--No estimated daily discharges. Records good. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105	315	495	318	413	1810	421	543	213	109	112	176
2	101	261	330	285	548	1330	523	354	165	111	107	128
3	100	249	252	269	842	599	654	287	149	138	103	134
4	100	179	261	256	800	437	484	286	141	154	100	115
5	100	154	251	1180	596	396	353	289	140	162	98	107
6	100	146	214	1280	435	416	302	252	543	138	99	102
7	96	143	193	5290	370	1500	283	238	477	124	113	99
8	96	142	203	4860	337	3930	275	228	311	147	183	98
9	96	142	217	3880	317	2920	269	213	210	125	130	97
10	96	143	221	3000	314	2610	253	200	168	130	114	95
11	96	143	203	1450	1430	1610	236	194	152	200	112	97
12	97	206	185	2000	1350	756	228	187	143	593	118	209
13	110	233	173	2270	1230	515	227	182	139	692	153	264
14	167	262	168	1620	1090	448	234	178	134	449	223	288
15	193	208	169	1500	577	409	248	175	129	230	176	178
16	158	174	172	1110	1090	385	246	175	124	176	175	139
17	127	163	173	778	999	2880	241	172	121	158	155	146
18	117	156	172	613	802	2880	435	165	126	139	141	137
19	115	158	163	598	685	2310	830	159	124	126	131	148
20	114	159	163	593	527	1840	777	154	130	119	122	160
21	114	415	263	512	406	1160	681	151	207	119	115	141
22	117	1340	705	1750	781	691	508	151	221	128	109	137
23	115	549	959	2110	1030	521	307	150	147	121	106	135
24	157	287	2240	2050	775	440	266	147	126	124	106	123
25	194	217	2200	1910	585	399	244	143	118	153	105	117
26	475	194	2560	1230	899	371	230	139	116	268	105	112
27	867	183	2140	1420	2160	351	221	138	114	223	102	112
28	459	178	1430	1080	1850	339	514	136	112	323	98	275
29	241	517	762	826	---	327	1060	156	108	196	95	320
30	176	584	520	600	---	315	828	324	105	138	94	225
31	216	---	387	469	---	313	---	371	---	120	130	---
TOTAL	5415	8200	18544	47107	23238	35208	12378	6637	5213	6133	3830	4614
MEAN	175	273	598	1520	830	1136	413	214	174	198	124	154
MAX	867	1340	2560	5290	2160	3930	1060	543	543	692	223	320
MIN	96	142	163	256	314	313	221	136	105	109	94	95
CFSM	.68	1.06	2.33	5.91	3.23	4.42	1.61	.83	.68	.77	.48	.60
IN.	.78	1.19	2.68	6.82	3.36	5.10	1.79	.96	.75	.89	.55	.67

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1998, BY WATER YEAR (WY)

	1995	1996	1997	1998
MEAN	197	236	424	717
MAX	226	276	598	1520
(WY)	1996	1996	1998	1998
MIN	171	159	201	389
(WY)	1997	1997	1997	1995

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1995 - 1998

ANNUAL TOTAL	178459	176517	405
ANNUAL MEAN	489	484	484
HIGHEST ANNUAL MEAN			337
LOWEST ANNUAL MEAN			337
HIGHEST DAILY MEAN	6910	5290	6910
LOWEST DAILY MEAN	96	94	79
ANNUAL SEVEN-DAY MINIMUM	97	97	81
INSTANTANEOUS PEAK FLOW		6530	7150
INSTANTANEOUS PEAK STAGE		18.46	19.69
INSTANTANEOUS LOW FLOW		93	77
ANNUAL RUNOFF (CFSM)	1.90	1.88	1.57
ANNUAL RUNOFF (INCHES)	25.83	25.55	21.40
10 PERCENT EXCEEDS	1180	1250	898
50 PERCENT EXCEEDS	252	214	216
90 PERCENT EXCEEDS	115	110	107

PASCAGOULA RIVER BASIN

02473000 LEAF RIVER AT HATTIESBURG, MS

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.

DRAINAGE AREA.--1,748 mi².

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

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

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

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 27	1600	13,700	13.61	Feb. 28	1315	12,500	12.80
Jan. 8	0330	*31,100	*21.34	Mar. 8	2030	22,200	18.25
Jan. 25	2000	13,400	13.38	Mar. 18	2345	15,800	14.89

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	521	1200	2380	2800	3390	11800	2430	4450	1130	623	779	709
2	507	1300	2560	2320	3240	11400	3170	3800	934	663	722	819
3	504	1370	1950	2000	4440	7140	4370	2720	845	703	679	774
4	500	1140	1560	1820	5520	4520	3980	2140	800	1020	647	664
5	501	967	1540	5240	5150	3350	2970	2100	773	996	624	597
6	515	886	1380	9210	4140	3250	2420	1790	1150	941	609	566
7	530	816	1240	21800	3150	6820	2120	1560	2370	798	599	550
8	535	777	1230	30400	2660	20500	1920	1460	2440	735	632	545
9	537	758	1220	27300	2400	20900	1810	1370	1650	725	708	538
10	532	740	1230	22900	2250	17900	1710	1270	1240	705	645	528
11	517	732	1180	18400	5530	15600	1600	1200	1030	996	631	541
12	513	1050	1110	15200	8140	10400	1520	1150	922	2080	654	856
13	555	1300	1050	15100	8020	5480	1460	1110	867	4660	663	1060
14	715	1290	1030	13100	7540	4030	1430	1060	827	3750	758	1220
15	758	1310	994	10300	5600	3360	1440	1040	791	2660	938	1040
16	813	1220	986	8380	6120	3040	1440	1010	759	2480	850	808
17	692	1060	981	6920	7140	7120	1430	1000	737	1770	838	706
18	614	952	968	6060	6850	14600	1600	974	753	1360	778	682
19	585	917	981	4860	6250	14400	3360	944	771	1090	727	687
20	575	891	990	4630	4970	12100	6300	915	780	939	693	726
21	569	1080	1120	4330	3540	9640	7290	894	1030	873	651	759
22	583	3160	1870	6530	3460	6810	7500	875	1120	879	621	947
23	586	3370	3690	12200	5260	4810	4480	865	937	972	604	810
24	631	1990	9170	12800	5030	3630	2910	855	812	878	589	705
25	802	1340	11600	13000	4620	3100	2080	844	746	817	582	648
26	1190	1170	12000	12400	4240	2780	1770	831	704	1110	569	612
27	2120	1060	13400	9390	10800	2560	1600	816	682	1290	558	602
28	2340	994	11700	8170	12300	2390	2760	804	668	1740	544	1450
29	1740	1410	7260	6580	---	2260	5620	971	653	1580	530	1820
30	1210	2400	5090	5400	---	2140	5330	1050	633	1120	527	1540
31	1010	---	3640	4170	---	2060	---	1270	---	883	529	---
TOTAL	24300	38650	107100	323710	151750	239890	89820	43138	29554	41836	20478	24509
MEAN	784	1288	3455	10440	5420	7738	2994	1392	985	1350	661	817
MAX	2340	3370	13400	30400	12300	20900	7500	4450	2440	4660	938	1820
MIN	500	732	968	1820	2250	2060	1430	804	633	623	527	528
CFSM	.45	.74	1.98	5.97	3.10	4.43	1.71	.80	.56	.77	.38	.47
IN.	.52	.82	2.28	6.89	3.23	5.11	1.91	.92	.63	.89	.44	.52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1998, BY WATER YEAR (WY)

	MEAN	998	1643	2954	4220	5135	5209	4810	2930	1458	1476	1168	1085
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 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1938 - 1998
ANNUAL TOTAL	1096773	1134735	
ANNUAL MEAN	3005	3109	2745
HIGHEST ANNUAL MEAN			5121
LOWEST ANNUAL MEAN			1191
HIGHEST DAILY MEAN	32200	Apr 30	110000
LOWEST DAILY MEAN	441	Sep 24	195
ANNUAL SEVEN-DAY MINIMUM	470	Sep 19	327
INSTANTANEOUS PEAK FLOW			31100
INSTANTANEOUS PEAK STAGE			21.34
INSTANTANEOUS LOW FLOW			493
ANNUAL RUNOFF (CFSM)	1.72		1.78
ANNUAL RUNOFF (INCHES)	23.34		24.15
10 PERCENT EXCEEDS	6890		8070
50 PERCENT EXCEEDS	1670		1220
90 PERCENT EXCEEDS	616		607

PASCAGOULA RIVER BASIN

61

02473000 LEAF RIVER AT HATTIESBURG, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.22	2.55	4.31	4.79	5.43	12.29	4.37	6.49	2.65	1.79	2.08	1.95
2	1.18	2.70	4.52	4.24	5.28	12.05	5.19	5.86	2.34	1.87	1.98	2.14
3	1.16	2.82	3.79	3.85	6.48	8.82	6.42	4.70	2.19	1.94	1.90	2.07
4	1.13	2.49	3.27	3.62	7.48	6.56	6.03	4.03	2.11	2.47	1.84	1.87
5	1.12	2.23	3.25	6.95	7.15	5.40	4.99	3.98	2.07	2.44	1.80	1.75
6	1.14	2.11	3.01	10.45	6.19	5.29	4.36	3.57	2.67	2.35	1.77	1.68
7	1.15	2.00	2.82	17.23	5.18	8.32	4.00	3.27	4.28	2.11	1.75	1.65
8	1.15	1.94	2.80	21.13	4.64	17.42	3.75	3.13	4.38	2.00	1.81	1.64
9	1.14	1.92	2.78	20.08	4.34	17.67	3.61	3.00	3.39	1.98	1.95	1.63
10	1.14	1.90	2.79	18.50	4.16	16.11	3.47	2.86	2.82	1.94	1.84	1.61
11	1.12	1.90	2.72	16.41	7.41	14.77	3.32	2.75	2.49	2.43	1.81	1.64
12	1.13	2.43	2.62	14.53	9.64	11.24	3.21	2.68	2.32	3.93	1.85	2.20
13	1.22	2.83	2.53	14.46	9.55	7.44	3.13	2.62	2.23	6.69	1.87	2.54
14	1.53	2.84	2.49	13.19	9.17	6.09	3.09	2.54	2.16	5.80	2.04	2.79
15	1.62	2.87	2.44	11.25	7.54	5.41	3.10	2.50	2.10	4.63	2.35	2.51
16	1.73	2.75	2.42	9.82	7.98	5.06	3.11	2.47	2.04	4.42	2.20	2.13
17	1.53	2.51	2.41	8.67	8.85	8.63	3.09	2.45	2.00	3.55	2.18	1.95
18	1.40	2.36	2.39	7.94	8.61	14.15	3.32	2.40	2.03	2.98	2.08	1.90
19	1.35	2.31	2.42	6.88	8.11	14.01	5.35	2.35	2.06	2.58	1.98	1.91
20	1.35	2.27	2.43	6.66	6.97	12.49	8.15	2.31	2.08	2.35	1.92	1.98
21	1.35	2.56	2.62	6.38	5.59	10.76	8.97	2.27	2.48	2.24	1.85	2.04
22	1.38	5.17	3.67	8.25	5.49	8.57	9.14	2.24	2.62	2.25	1.79	2.36
23	1.40	5.41	5.72	12.59	7.25	6.83	6.51	2.22	2.34	2.40	1.76	2.13
24	1.50	3.82	10.37	12.99	7.04	5.68	4.91	2.21	2.13	2.25	1.73	1.94
25	1.82	2.97	12.14	13.16	6.65	5.12	3.95	2.19	2.02	2.14	1.72	1.84
26	2.45	2.72	12.43	12.73	6.27	4.78	3.56	2.17	1.94	2.61	1.69	1.77
27	3.73	2.54	13.38	10.58	11.57	4.52	3.33	2.14	1.90	2.89	1.67	1.75
28	4.03	2.44	12.19	9.67	12.66	4.32	4.68	2.12	1.88	3.51	1.64	3.08
29	3.25	3.05	8.93	8.39	---	4.17	7.55	2.39	1.85	3.29	1.61	3.63
30	2.54	4.34	7.08	7.37	---	4.02	7.30	2.52	1.81	2.63	1.61	3.27
31	2.24	---	5.69	6.22	---	3.92	---	2.85	---	2.25	1.61	---
MEAN	1.65	2.76	4.92	10.61	7.24	8.77	4.83	2.94	2.38	2.86	1.86	2.11
MAX	4.03	5.41	13.38	21.13	12.66	17.67	9.14	6.49	4.38	6.69	2.35	3.63
MIN	1.12	1.90	2.39	3.62	4.16	3.92	3.09	2.12	1.81	1.79	1.61	1.61

PASCAGOULA RIVER BASIN

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)
Jan. 7	2230	*9,970	*20.91	Feb. 27	1845	3,670	18.82
Jan. 23	1230	3,010	18.44	Mar. 8	1215	6,760	20.06

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.2	18	50	51	137	505	194	119	13	7.4	9.8	8.5
2	5.9	25	30	42	350	209	163	77	11	13	8.7	9.3
3	5.7	21	25	38	772	148	88	60	9.9	26	8.2	9.7
4	5.7	14	38	35	832	122	104	72	9.3	20	7.9	8.8
5	5.8	13	36	953	293	132	69	50	9.6	19	7.4	8.2
6	6.0	12	28	3210	175	411	55	42	71	14	7.1	8.0
7	6.0	11	21	6450	139	561	48	40	119	12	7.1	8.0
8	5.9	11	20	5780	118	4830	46	39	30	10	7.3	8.1
9	6.1	11	21	1720	105	2200	46	38	19	9.3	7.6	8.0
10	6.2	11	20	475	97	602	44	32	15	8.7	8.4	7.5
11	5.9	11	18	215	633	188	37	30	13	120	9.6	7.8
12	6.1	13	16	650	947	139	34	28	12	334	13	11
13	6.7	39	15	1640	318	118	32	26	12	46	10	16
14	15	48	15	1000	162	106	35	24	12	39	11	13
15	15	27	16	362	128	97	44	23	10	53	11	10
16	8.6	20	17	766	718	90	39	22	11	59	76	10
17	7.1	17	16	605	1130	462	36	22	36	28	23	8.8
18	6.5	14	15	228	496	1120	156	21	23	19	14	8.3
19	6.7	15	15	528	204	1450	761	19	16	15	11	8.6
20	7.0	15	14	445	147	629	1190	17	12	13	9.8	11
21	7.2	15	32	220	119	292	311	16	11	124	9.1	13
22	7.7	20	255	844	207	168	110	16	9.3	39	8.5	12
23	8.9	21	187	2460	453	126	87	15	8.7	19	8.1	10
24	12	18	1010	1320	245	102	75	14	8.2	14	7.8	8.9
25	25	16	1410	299	144	89	64	14	7.7	22	7.7	8.2
26	58	15	631	194	336	79	56	13	7.7	32	7.5	7.6
27	61	16	307	865	2670	73	51	12	8.2	64	7.4	7.2
28	27	15	251	1480	1910	68	176	11	7.9	31	7.0	17
29	16	53	128	533	---	65	344	12	7.5	18	6.8	90
30	12	99	98	227	---	60	168	14	7.4	13	7.0	45
31	11	---	68	167	---	57	---	15	---	11	7.7	---
TOTAL	389.9	654	4823	33802	13985	15298	4663	953	547.4	1252.4	352.5	407.5
MEAN	12.6	21.8	156	1090	499	493	155	30.7	18.2	40.4	11.4	13.6
MAX	61	99	1410	6450	2670	4830	1190	119	119	334	76	90
MIN	5.7	11	14	35	97	57	32	11	7.4	7.4	6.8	7.2
CFSM	.12	.21	1.53	10.7	4.90	4.84	1.52	.30	.18	.40	.11	.13
IN.	.14	.24	1.76	12.33	5.10	5.58	1.70	.35	.20	.46	.13	.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 1998, BY WATER YEAR (WY)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
MEAN	49.5	132	196	357	420	377	298	139	57.3	69.7	32.1	27.4							
MAX	294	367	710	1090	1119	880	737	739	221	429	165	263							
(WY)	1986	1987	1983	1998	1990	1980	1991	1983	1989	1982	1988	1988							
MIN	4.83	6.79	14.3	30.5	115	131	35.8	11.8	2.90	6.81	4.94	4.54							
(WY)	1988	1982	1991	1981	1995	1982	1986	1988	1988	1981	1986	1997							

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1980 - 1998

ANNUAL TOTAL	57300.1	77127.7	178
ANNUAL MEAN	157	211	301
HIGHEST ANNUAL MEAN			1983
LOWEST ANNUAL MEAN			86.6
HIGHEST DAILY MEAN	6290	Apr 28	10900
LOWEST DAILY MEAN	2.4	Sep 19	1.5
ANNUAL SEVEN-DAY MINIMUM	2.7	Sep 15	1.9
INSTANTANEOUS PEAK FLOW			17900
INSTANTANEOUS PEAK STAGE			23.18
INSTANTANEOUS LOW FLOW			1.5
ANNUAL RUNOFF (CFSM)	1.54		1.75
ANNUAL RUNOFF (INCHES)	20.90		23.75
10 PERCENT EXCEEDS	383	530	434
50 PERCENT EXCEEDS	34	23	33
90 PERCENT EXCEEDS	6.2	7.7	6.2

63

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.

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

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: May 31, Jun. 1, and Jul. 10-14. Records good except for estimated daily discharges, which are poor. Telemeter and satellite telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 8	2200	*10,900	*19.08	Mar. 10	1900	4,620	15.80

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	55	340	317	925	1390	263	587	e30	9.4	40	46
2	9.7	116	230	255	520	2120	400	365	31	9.7	32	30
3	8.8	154	161	216	724	2230	787	262	31	32	27	21
4	7.9	84	136	198	909	1340	458	284	29	22	24	18
5	6.9	60	142	756	981	492	327	280	32	22	21	14
6	6.8	42	137	1370	1010	417	283	202	96	25	20	12
7	6.2	31	120	3300	782	750	230	160	143	21	26	13
8	5.8	26	103	8550	444	1830	203	143	174	19	20	23
9	5.5	23	90	10300	365	1730	188	128	145	15	16	23
10	6.1	20	94	6080	326	3370	177	114	72	e21	18	14
11	5.3	19	90	3400	658	3660	159	103	46	e38	18	18
12	4.8	31	81	2770	843	2530	144	95	33	e78	17	61
13	11	32	74	2360	874	1570	130	84	26	e82	17	46
14	14	50	65	1620	915	602	122	77	23	e318	23	36
15	6.5	76	61	1450	771	460	120	83	23	254	28	34
16	5.4	87	62	1480	733	398	126	67	24	205	25	32
17	15	58	60	1490	939	640	135	62	23	254	22	24
18	17	43	59	1180	992	909	215	59	24	139	60	19
19	12	37	57	1010	1030	979	450	57	34	70	57	17
20	9.2	33	52	853	1040	1120	600	52	43	46	34	16
21	7.8	135	71	824	603	1410	702	48	30	36	25	45
22	7.0	356	116	1140	490	1670	787	44	37	38	21	20
23	5.3	303	412	1270	624	1360	552	40	28	167	17	20
24	12	125	1170	1190	696	590	255	37	18	108	16	26
25	23	86	1240	1310	647	429	192	35	15	64	16	27
26	54	65	1160	1780	658	366	160	34	14	130	14	20
27	149	51	1300	2080	1390	326	137	33	11	91	12	16
28	164	45	1290	1550	1290	297	575	32	9.8	83	11	163
29	117	138	1230	1130	---	277	847	31	10	127	11	226
30	64	291	732	1120	---	259	835	28	9.7	84	12	286
31	57	---	419	1200	---	250	---	e29	---	54	14	---
TOTAL	835.0	2672	11354	63549	22179	35771	10559	3655	1264.5	2662.1	714	1366
MEAN	26.9	89.1	366	2050	792	1154	352	118	42.2	85.9	23.0	45.5
MAX	164	356	1300	10300	1390	3660	847	587	174	318	60	286
MIN	4.8	19	52	198	326	250	120	28	9.7	9.4	11	12
CFSM	.11	.37	1.54	8.61	3.33	4.85	1.48	.50	.18	.36	.10	.19
IN.	.13	.42	1.77	9.93	3.47	5.59	1.65	.57	.20	.42	.11	.29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1998, BY WATER YEAR (WY)

MEAN	61.8	171	393	606	759	804	699	344	126	132	76.8	63.7
MAX	433	1386	1967	2286	2478	1741	2366	1868	604	1604	378	381
(WY)	1986	1949	1962	1947	1961	1980	1980	1953	1997	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 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1938 - 1998
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ANNUAL TOTAL	119773.0		156580.6				
ANNUAL MEAN	328		429		351		
HIGHEST ANNUAL MEAN					726		1980
LOWEST ANNUAL MEAN					109		1957
HIGHEST DAILY MEAN	5090	Apr 30	10300	Jan 9	18400		Apr 14 1974
LOWEST DAILY MEAN	4.8	Oct 12	4.8	Oct 12	1.8		Oct 31 1963
ANNUAL SEVEN-DAY MINIMUM	5.8	Oct 6	5.8	Oct 6	2.0		Oct 26 1963
INSTANTANEOUS PEAK FLOW			10900	Jan 8	23300		Apr 14 1974
INSTANTANEOUS PEAK STAGE			19.08	Jan 8	23.28		Apr 14 1974
INSTANTANEOUS LOW FLOW			4.0	Oct 12	1.8		Nov 3 1952
ANNUAL RUNOFF (CFSM)	1.38		1.80		1.47		
ANNUAL RUNOFF (INCHES)	18.72		24.47		20.04		
10 PERCENT EXCEEDS	827		1210		953		
50 PERCENT EXCEEDS	137		86		99		
90 PERCENT EXCEEDS	11		14		14		

e Estimated

PASCAGOULA RIVER BASIN

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.--Estimated daily discharges: Oct. 3-8, Dec. 17, Mar. 11-13, Apr. 23-29, May 29, and Jun. 3-8, 17-22. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 11	0845	*14,200	*23.62	Mar. 8	0715	8,140	18.94

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	321	968	970	2320	3340	964	2060	162	119	195	103
2	71	337	793	755	2010	3010	903	1330	153	129	164	111
3	e72	442	583	632	1910	3360	1220	867	e140	123	140	113
4	e69	454	486	550	2240	3770	1710	666	e132	175	123	102
5	e67	288	417	1620	2250	2890	1100	801	e135	315	114	87
6	e65	217	401	3970	2130	1330	823	803	e193	239	106	74
7	e60	178	372	7850	1920	2910	713	561	e222	227	100	66
8	e58	152	335	9750	1510	7530	635	457	e338	194	103	60
9	57	134	313	10800	1100	6260	589	401	401	178	115	55
10	57	122	297	12500	957	5320	549	359	350	170	102	59
11	55	115	292	13900	2100	e4750	521	324	245	211	90	66
12	53	186	278	12300	2670	e5570	503	296	199	282	91	110
13	62	358	255	9990	2200	e5650	456	277	175	261	114	205
14	118	264	236	8220	2020	4210	432	258	157	496	108	187
15	129	239	216	6620	1960	1710	418	242	141	1160	111	176
16	94	247	204	4940	2560	1290	408	235	131	847	119	148
17	80	245	e208	3980	2570	1920	419	227	e131	602	108	138
18	75	207	197	3460	2440	2880	456	210	e127	565	97	121
19	79	179	195	2880	2270	2760	830	198	e129	436	91	111
20	83	163	192	2510	2140	2610	1020	190	e126	315	140	104
21	75	182	216	2230	1860	2720	1290	183	e126	261	122	101
22	73	1090	444	3170	1530	2890	1400	172	e170	251	98	107
23	73	1370	716	4500	1900	2960	e1500	162	153	215	84	168
24	78	858	2310	3990	1760	2320	e1100	154	153	308	75	137
25	102	458	3480	3350	1620	1340	e790	146	145	309	69	119
26	143	324	3300	3200	1640	1050	e1400	139	137	238	66	108
27	281	262	3400	3930	3810	919	e1900	135	134	234	63	98
28	441	220	3200	4400	4010	843	e2600	130	127	281	59	430
29	456	421	2800	4180	---	782	e2700	e126	118	282	55	927
30	322	940	2370	3130	---	734	2470	198	115	295	53	744
31	220	---	1500	2620	---	700	---	185	---	248	52	---
TOTAL	3739	10973	30974	156897	59407	90328	31819	12492	5165	9966	3127	5135
MEAN	121	366	999	5061	2122	2914	1061	403	172	321	101	171
MAX	456	1370	3480	13900	4010	7530	2700	2060	401	1160	195	927
MIN	53	115	192	550	957	700	408	126	115	119	52	55
CFSM	.20	.60	1.63	8.27	3.47	4.76	1.73	.66	.28	.53	.16	.28
IN.	.23	.67	1.88	9.54	3.61	5.49	1.93	.76	.31	.61	.19	.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1998, BY WATER YEAR (WY)

	MEAN	222	484	1055	1576	1920	2011	1798	1021	392	437	269	253
MAX	936	2635	4400	5061	5750	4291	6595	4728	1578	4294	933	1134	
(WY)	1958	1949	1962	1998	1961	1948	1980	1991	1997	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 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1940 - 1998
ANNUAL TOTAL	338563	420022	
ANNUAL MEAN	928	1151	944
HIGHEST ANNUAL MEAN			1949
LOWEST ANNUAL MEAN			330
HIGHEST DAILY MEAN	5090	May 2	29600
LOWEST DAILY MEAN	53	Oct 12	29
ANNUAL SEVEN-DAY MINIMUM	57	Oct 7	31
INSTANTANEOUS PEAK FLOW			32800
INSTANTANEOUS PEAK STAGE		23.62	30.07
INSTANTANEOUS LOW FLOW		51	29
ANNUAL RUNOFF (CFSM)	1.52	1.88	1.54
ANNUAL RUNOFF (INCHES)	20.58	25.53	20.96
10 PERCENT EXCEEDS	2380	3180	2620
50 PERCENT EXCEEDS	584	296	376
90 PERCENT EXCEEDS	80	86	77

e Estimated

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: Jan. 22-27 and April 1-2. 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 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	771	1430	3460	4380	6470	15300	e3940	6900	1610	877	1110	906
2	750	1750	3380	3580	5760	14500	e4630	5730	1390	897	1010	1050
3	736	1780	3030	3090	6230	13400	5540	4420	1220	919	943	1120
4	728	1830	2400	2780	7870	9740	6160	3390	1140	1010	895	1040
5	718	1480	2090	4610	8080	7580	4980	3120	1090	1320	868	962
6	707	1280	1970	12200	6950	5020	3860	3180	1440	1270	853	917
7	711	1170	1780	17400	5670	6880	3360	2630	2010	1150	843	898
8	713	1090	1720	30200	4740	20200	3040	2330	3060	1020	852	886
9	714	1040	1670	39700	3940	26900	2840	2160	2490	973	924	876
10	710	1000	1640	41700	3570	26500	2670	2010	2000	956	923	874
11	699	974	1600	38800	5570	23400	2530	1860	1580	1230	872	890
12	682	1270	1540	33800	10200	20600	2390	1750	1350	1660	881	1190
13	738	1940	1460	28700	10600	15800	2280	1680	1230	3420	913	1430
14	1010	1700	1390	24800	9950	10600	2210	1600	1160	4350	942	1580
15	1020	1640	1360	20800	8890	6560	2170	1560	1100	3940	1100	1580
16	1020	1600	1300	16500	8730	5150	2140	1530	1060	3490	1170	1350
17	983	1480	1280	12800	10200	6560	2220	1500	1030	2740	1090	1170
18	861	1330	1270	10700	9880	13400	3010	1450	1010	2160	1050	1100
19	798	1240	1260	9030	9200	16900	3240	1390	1020	1780	997	1100
20	784	1190	1270	7490	7960	16400	5950	1350	1030	1450	984	1230
21	767	1200	1320	6860	6140	14600	7620	1320	1080	1270	978	1180
22	771	2780	1860	e6720	5150	11800	8810	1280	1420	1220	931	1180
23	779	4810	3160	e11700	6600	9220	7250	1260	1260	1230	908	1360
24	827	3750	7590	e17700	6980	7000	4840	1240	1140	1270	894	1170
25	952	2240	12300	e18400	6330	5200	3390	1210	1040	1390	878	1080
26	1180	1730	13400	e18600	5780	4400	2730	1190	984	1240	873	1020
27	1760	1520	14100	e16500	10800	4010	2440	1170	952	1510	863	1000
28	2840	1400	15200	14300	15100	3750	4190	1150	932	1720	855	2590
29	2590	1800	12800	12500	---	3540	7320	1240	915	1960	842	5460
30	1920	3050	8550	10200	---	3370	8660	1810	888	1670	843	3360
31	1490	---	6100	8090	---	3230	---	1590	---	1310	839	---
TOTAL	31729	52494	133250	504630	213340	351510	126410	66020	39631	52402	28924	41549
MEAN	1024	1750	4298	16280	7619	11340	4214	2130	1321	1690	933	1385
MAX	2840	4810	15200	41700	15100	26900	8810	6900	3060	4350	1170	5460
MIN	682	974	1260	2780	3570	3230	2140	1150	888	877	839	874
CFSM	.40	.69	1.69	6.40	3.00	4.46	1.66	.84	.52	.66	.37	.54
IN.	.46	.77	1.95	7.38	3.12	5.14	1.85	.97	.58	.77	.42	.61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 1998, BY WATER YEAR (WY)

	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995
MEAN	1595	2950	3750	7442	7615	7345	5249	4592	2591	2218	1552	1294
MAX	3904	6466	7355	16280	21510	14330	9662	18250	6190	6709	2516	3485
(WY)	1985	1994	1987	1998	1990	1987	1991	1991	1997	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 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1984 - 1998

	1997 CALENDAR YEAR	1998 WATER YEAR	1984 - 1998
ANNUAL TOTAL	1498859	1641889	
ANNUAL MEAN	4106	4498	4042
HIGHEST ANNUAL MEAN			6332
LOWEST ANNUAL MEAN			2328
HIGHEST DAILY MEAN	33000	May 2	74000
LOWEST DAILY MEAN	682	Oct 12	590
ANNUAL SEVEN-DAY MINIMUM	705	Oct 6	609
INSTANTANEOUS PEAK FLOW			43500
INSTANTANEOUS PEAK STAGE			26.48
INSTANTANEOUS LOW FLOW			674
ANNUAL RUNOFF (CFSM)	1.62	1.77	1.59
ANNUAL RUNOFF (INCHES)	21.93	24.03	21.60
10 PERCENT EXCEEDS	9070	12200	9220
50 PERCENT EXCEEDS	2540	1700	2170
90 PERCENT EXCEEDS	835	884	881

e Estimated

PASCAGOULA RIVER BASIN

02474560 LEAF RIVER NEAR NEW AUGUSTA, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.23	3.23	5.77	6.76	9.27	15.64	---	9.44	3.82	2.66	3.03	2.46
2	2.19	3.70	5.68	5.91	8.69	15.06	---	8.46	3.49	2.70	2.85	2.69
3	2.16	3.74	5.28	5.35	9.06	14.27	8.29	7.16	3.24	2.73	2.75	2.81
4	2.14	3.81	4.51	4.98	10.23	11.55	8.86	6.06	3.10	2.88	2.66	2.67
5	2.12	3.30	4.12	6.83	10.37	10.03	7.73	5.75	3.03	3.38	2.61	2.53
6	2.09	3.00	3.95	13.41	9.61	7.97	6.57	5.81	3.56	3.31	2.57	2.44
7	2.10	2.82	3.70	17.10	8.61	9.38	6.02	5.16	4.35	3.12	2.55	2.40
8	2.10	2.69	3.61	23.43	7.70	18.87	5.66	4.81	5.68	2.91	2.56	2.37
9	2.10	2.59	3.54	25.75	6.87	22.35	5.42	4.57	4.99	2.83	2.67	2.35
10	2.09	2.53	3.49	26.14	6.47	22.22	5.21	4.37	4.35	2.80	2.66	2.34
11	2.07	2.49	3.44	25.59	8.29	20.85	5.04	4.16	3.77	3.24	2.57	2.35
12	2.03	2.95	3.35	24.53	11.94	19.30	4.87	4.02	3.43	3.86	2.57	2.84
13	2.14	3.92	3.23	23.05	12.25	16.02	4.72	3.91	3.24	6.01	2.62	3.21
14	2.61	3.60	3.14	21.50	11.72	12.25	4.63	3.80	3.14	7.06	2.66	3.42
15	2.62	3.51	3.08	19.42	10.92	9.14	4.58	3.74	3.04	6.63	2.92	3.41
16	2.62	3.45	3.00	16.54	10.81	7.90	4.55	3.70	2.97	6.13	3.02	3.07
17	2.56	3.27	2.97	13.88	11.91	9.05	4.64	3.66	2.92	5.27	2.88	2.79
18	2.34	3.04	2.96	12.32	11.66	14.31	5.62	3.59	2.88	4.53	2.81	2.67
19	2.23	2.90	2.94	11.03	11.12	16.82	5.87	3.49	2.90	4.03	2.72	2.68
20	2.20	2.82	2.96	9.98	10.29	16.45	8.62	3.43	2.93	3.56	2.69	2.89
21	2.17	2.83	3.03	9.55	8.99	15.17	9.98	3.38	3.00	3.28	2.67	2.81
22	2.17	4.91	3.80	---	8.11	13.15	10.83	3.33	3.54	3.21	2.58	2.81
23	2.19	7.20	5.42	---	9.34	11.15	9.68	3.29	3.30	3.22	2.54	3.09
24	2.27	6.08	9.71	---	9.63	9.51	7.58	3.26	3.10	3.29	2.50	2.80
25	2.49	4.30	13.48	---	9.18	7.94	6.04	3.22	2.94	3.47	2.47	2.65
26	2.86	3.62	14.31	---	8.71	7.14	5.28	3.18	2.85	3.23	2.45	2.55
27	3.70	3.33	14.81	---	12.37	6.73	4.93	3.14	2.79	3.64	2.43	2.52
28	5.11	3.14	15.54	14.93	15.49	6.45	6.83	3.11	2.76	3.94	2.40	4.61
29	4.81	3.71	13.86	13.64	---	6.23	9.75	3.25	2.73	4.27	2.37	7.81
30	3.93	5.30	10.57	11.93	---	6.03	10.73	4.10	2.68	3.88	2.37	5.67
31	3.33	---	8.44	10.37	---	5.87	---	3.78	---	3.33	2.35	---
MEAN	2.57	3.59	6.05	---	9.99	12.41	---	4.39	3.35	3.82	2.63	3.06
MAX	5.11	7.20	15.54	---	15.49	22.35	---	9.44	5.68	7.06	3.03	7.81
MIN	2.03	2.49	2.94	---	6.47	5.87	---	3.11	2.68	2.66	2.35	2.34

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. 15-24, Nov. 5-12, Jan. 8-12, and Mar. 29 - Apr. 3. Records good except estimated daily discharges, which are poor. Flow slightly regulated by Lake Bogue Homo, 36 mi upstream. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood prior to January 1941, reached a stage of 26 1/2 ft and the flood of Mar. 21, 1943, reached a stage of 25.7 ft at site 3.5 mi downstream at different datum (from information by U. S. Army Corps of Engineers). A discharge of 4.7 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)
Jan. 9	----	*13,410	*23.37	Mar. 8	1830	5,970	14.39

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17	48	511	729	988	1620	e275	633	27	23	26	22
2	16	73	518	414	830	1780	e360	615	25	23	25	36
3	15	80	570	272	1190	1840	e520	455	25	24	23	27
4	15	68	501	216	1210	1470	e502	220	24	29	22	23
5	15	e52	274	888	951	923	491	145	24	30	22	23
6	15	e32	205	2210	893	673	588	130	39	28	22	23
7	15	e27	175	5530	901	1760	610	143	35	27	22	23
8	15	e19	147	e10600	803	5620	354	119	34	27	21	23
9	15	e16	126	e13000	582	4560	218	97	34	27	21	22
10	15	e16	121	e10600	426	3500	186	82	31	28	22	22
11	14	e19	112	e6000	1100	3090	167	73	28	32	22	24
12	14	e120	114	e2800	1440	2620	155	63	28	33	26	42
13	48	131	107	3100	1100	1990	138	57	27	36	30	48
14	85	149	99	2800	1020	1280	117	52	26	37	28	44
15	e44	103	83	2380	1020	852	111	47	26	55	44	37
16	e17	76	74	2230	1600	661	108	43	26	45	42	34
17	e15	60	74	1920	1710	888	118	39	25	37	30	32
18	e21	48	72	1500	1370	1430	124	36	25	33	25	31
19	e20	44	68	1110	1270	1520	128	34	26	51	23	34
20	e14	38	64	832	1300	1400	132	34	26	54	21	41
21	e13	78	73	667	1180	1330	195	33	26	45	19	52
22	e13	539	147	1720	984	1170	282	32	26	39	19	49
23	e14	518	361	2800	1170	942	221	30	26	36	18	48
24	e35	447	1320	2330	983	754	150	29	25	41	17	44
25	58	452	1580	2020	871	652	121	28	24	58	16	42
26	49	398	1370	2010	1020	529	106	28	25	48	16	39
27	35	180	1870	2120	2090	425	97	27	25	40	16	38
28	51	105	2360	1850	2090	346	142	27	24	37	15	465
29	55	245	2020	1350	---	e280	332	29	25	32	15	1620
30	38	401	1550	1160	---	e260	587	30	23	29	16	915
31	39	---	1130	1120	---	e260	---	29	---	28	18	---
TOTAL	845	4582	17796	88278	32092	46425	7635	3439	810	1112	702	3923
MEAN	27.3	153	574	2848	1146	1498	255	111	27.0	35.9	22.6	131
MAX	85	539	2360	13000	2090	5620	610	633	39	58	44	1620
MIN	13	16	64	216	426	260	97	27	23	23	15	22
MED	16	77	175	2010	1060	1280	177	43	26	33	22	37
CFSM	.08	.44	1.67	8.28	3.33	4.35	.74	.32	.08	.10	.07	.38
IN.	.09	.50	1.92	9.55	3.47	5.02	.83	.37	.09	.12	.08	.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1998, BY WATER YEAR (WY)

	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
MEAN	142	264	631	1109	1079	1071	965	572	199	145	87.3	157																
MAX	881	1284	2118	2848	2545	2181	2799	2359	877	682	537	1115																
(WY)	1976	1987	1974	1998	1990	1979	1980	1991	1997	1989	1975	1974																
MIN	10.4	12.8	26.0	87.5	277	295	93.7	65.0	15.8	15.2	15.2	8.62																
(WY)	1991	1982	1988	1981	1989	1986	1986	1988	1985	1996	1972	1995																

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1971 - 1998

ANNUAL TOTAL	182250	207639	
ANNUAL MEAN	499	569	533
HIGHEST ANNUAL MEAN			911
LOWEST ANNUAL MEAN			201
HIGHEST DAILY MEAN	4560	Apr 29	19900
LOWEST DAILY MEAN	13	Oct 21	6.4
ANNUAL SEVEN-DAY MINIMUM	15	Oct 6	6.6
INSTANTANEOUS PEAK FLOW			21900
INSTANTANEOUS PEAK STAGE			27.63
INSTANTANEOUS LOW FLOW			6.2
ANNUAL RUNOFF (CFSM)	1.45	1.65	1.55
ANNUAL RUNOFF (INCHES)	19.71	22.45	21.03
10 PERCENT EXCEEDS	1460	1610	1460
50 PERCENT EXCEEDS	199	68	164
90 PERCENT EXCEEDS	19	21	19

e Estimated

a From flood mark

b May have been lower during periods of estimated record

PASCAGOULA RIVER BASIN

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: Dec. 10 and Jun. 3-6, 13-17. Records good except for estimated daily discharges, which are poor. Satellite telemeter and National Weather Service telemeter at station.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	883	1500	4380	7230	10000	19200	4500	9720	1820	1050	1400	947
2	863	1620	4240	5290	8450	19500	5660	8040	1730	1090	1240	1070
3	850	1770	4110	4230	8650	18800	7480	6480	e1550	1110	1150	1200
4	837	1900	3750	3590	10300	16900	7960	4880	e1450	1110	1090	1230
5	825	1800	3170	4250	10700	12600	7290	3850	e1410	1270	1040	1130
6	813	1540	2780	12600	9920	8810	5670	3760	e1700	1440	1010	1050
7	800	1400	2470	21100	8630	8660	4840	3440	2090	1380	989	1010
8	791	1290	2240	33600	7340	24700	4290	2980	2800	1260	989	997
9	790	1210	2150	44000	6110	39700	3730	2690	3020	1160	1020	975
10	790	1160	e2080	52900	5120	43600	3380	2480	2440	1130	1090	967
11	783	1130	1990	55000	5290	42300	3140	2300	2020	1260	1050	973
12	775	1270	1920	52900	10300	38100	2940	2150	1700	1480	1010	1190
13	788	2220	1840	49900	12600	32800	2780	2040	e1530	2210	1040	1570
14	978	2290	1760	44500	12500	24400	2670	1950	e1420	4280	1120	1650
15	1120	1990	1700	39100	11700	15300	2610	1880	e1340	4320	1270	1730
16	1080	1900	1650	33300	12600	8580	2550	1840	e1300	3880	1380	1620
17	1070	1810	1580	25900	14200	7530	2550	1800	e1200	3310	1340	1400
18	1010	1680	1570	19300	14300	12500	4290	1750	1220	2560	1260	1270
19	936	1540	1550	14900	12900	17800	5190	1690	1210	2140	1190	1270
20	893	1430	1540	11300	11600	20600	5830	1630	1210	1790	1140	1480
21	880	1390	1570	9440	10000	20500	7740	1600	1240	1600	1130	1620
22	866	1750	1840	10300	8290	18300	8780	1570	1350	1430	1100	1500
23	864	4520	2770	17600	9010	14700	9140	1560	1540	1530	1050	1500
24	899	4990	5960	20400	9890	11000	6670	1550	1370	1580	1030	1510
25	999	3470	11800	21800	9060	8030	4610	1540	1270	1650	1010	1320
26	1270	2610	14800	22200	8310	6100	3410	1530	1190	2370	998	1220
27	1400	2330	16200	24100	12700	5280	2940	1520	1140	1820	987	1170
28	2050	2030	17500	23800	17000	4810	4690	1520	1110	1780	976	4950
29	2620	2160	18500	20300	---	4490	10000	1520	1090	2020	962	18900
30	2250	3530	15900	16600	---	4220	10500	1870	1060	2000	947	17200
31	1740	---	10900	12800	---	4000	---	1880	---	1670	953	---
TOTAL	33513	61230	166210	734230	287470	533810	157830	85010	46520	58680	33961	75619
MEAN	1081	2041	5362	23680	10270	17220	5261	2742	1551	1893	1096	2521
MAX	2620	4990	18500	55000	17000	43600	10500	9720	3020	4320	1400	18900
MIN	775	1130	1540	3590	5120	4000	2550	1520	1060	1050	947	947
MED	883	1790	2470	20400	10000	15300	4650	1880	1390	1600	1050	1270
CFSM	.31	.58	1.53	6.78	2.94	4.93	1.51	.78	.44	.54	.31	.72
IN.	.36	.65	1.77	7.81	3.06	5.68	1.68	.90	.50	.62	.36	.80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 1998, BY WATER YEAR (WY)

	MEAN	1745	2965	5965	8508	10350	10920	9893	6145	2816	2856	2117	2103
MAX	6282	13580	25930	23680	30530	24300	39220	25390	9260	19680	5920	7901	
(WY)	1976	1949	1962	1998	1961	1948	1980	1991	1959	1940	1949	1979	
MIN	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 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1940 - 1998

ANNUAL TOTAL	2013749	2274083	
ANNUAL MEAN	5517	6230	5507
HIGHEST ANNUAL MEAN			11060
LOWEST ANNUAL MEAN			2024
HIGHEST DAILY MEAN	42400	May 3	126000
LOWEST DAILY MEAN	775	Oct 12	482
ANNUAL SEVEN-DAY MINIMUM	788	Oct 7	488
INSTANTANEOUS PEAK FLOW			128000
INSTANTANEOUS PEAK STAGE			31.64
INSTANTANEOUS LOW FLOW			478
ANNUAL RUNOFF (CFSM)	1.58	1.78	1.58
ANNUAL RUNOFF (INCHES)	21.43	24.20	21.41
10 PERCENT EXCEEDS	13400	17300	13800
50 PERCENT EXCEEDS	3260	2000	2630
90 PERCENT EXCEEDS	997	1010	937

e Estimated

69

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.

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

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.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1998, BY WATER YEAR (WY)

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1938 - 1998
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e Estimated

PASCAGOULA RIVER BASIN

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

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 7	1800	*4,220	*12.21	Jan. 22	1830	1,680	8.97

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.7	18	36	66	80	177	186	28	8.5	53	5.6	4.2
2	4.4	18	30	63	105	127	62	23	8.2	76	4.8	3.7
3	4.2	9.6	33	61	299	93	141	20	8.0	13	4.2	2.5
4	3.8	8.1	41	61	165	74	63	18	7.4	8.6	3.7	2.1
5	3.8	7.3	24	535	109	103	44	17	37	18	3.0	1.7
6	3.5	9.5	19	381	83	108	35	16	209	8.9	2.7	1.4
7	3.7	8.7	16	2690	69	334	33	16	36	6.4	2.4	1.4
8	3.8	8.3	16	640	59	645	32	14	19	5.8	21	1.1
9	3.9	8.5	17	276	51	244	58	13	13	7.5	34	1.7
10	4.9	8.3	16	215	46	160	29	12	13	40	8.2	1.4
11	4.6	8.0	16	176	203	120	21	12	11	72	10	1.6
12	4.4	42	14	456	90	92	18	12	9.3	76	50	4.2
13	10	38	13	292	62	75	16	11	8.3	69	12	3.9
14	33	18	16	191	51	65	18	10	7.4	74	8.7	2.7
15	10	14	20	260	46	57	18	9.7	24	30	8.2	2.1
16	7.1	12	22	320	139	50	16	9.6	270	20	12	2.0
17	6.0	10	21	181	118	168	16	9.4	43	13	8.0	2.1
18	5.4	10	21	154	71	132	391	9.1	21	11	6.3	2.1
19	4.9	10	19	220	55	131	442	8.4	17	9.4	6.4	2.0
20	4.9	9.5	19	136	49	110	166	8.2	12	8.6	14	2.1
21	4.8	10	163	115	42	73	102	8.0	10	8.9	10	7.6
22	4.9	12	139	1160	81	57	82	7.4	8.7	8.6	5.6	4.7
23	4.7	11	160	491	74	50	58	7.3	7.8	7.5	4.8	3.4
24	58	10	510	241	48	44	48	7.5	8.1	41	4.4	2.4
25	19	9.7	205	177	40	39	38	9.9	7.7	60	3.8	2.0
26	94	9.7	137	139	431	34	32	7.7	7.7	14	3.3	1.4
27	22	9.8	179	555	750	31	29	7.1	7.4	9.5	2.8	2.0
28	12	9.0	121	248	259	31	47	9.1	6.8	7.7	2.6	11
29	9.3	66	115	163	---	29	40	44	6.1	7.4	2.6	17
30	8.3	54	92	123	---	26	36	22	4.9	6.9	2.1	8.3
31	7.8	---	76	93	---	87	---	12	---	6.2	2.2	---
TOTAL	375.8	477.0	2326	10879	3675	3566	2317	418.4	857.3	797.9	269.4	105.8
MEAN	12.1	15.9	75.0	351	131	115	77.2	13.5	28.6	25.7	8.69	3.53
MAX	94	66	510	2690	750	645	442	44	270	76	50	17
MIN	3.5	7.3	13	61	40	26	16	7.1	4.9	5.8	2.1	1.1
CFSM	.23	.31	1.44	6.74	2.52	2.21	1.48	.26	.55	.49	.17	.07
IN.	.27	.34	1.66	7.77	2.62	2.55	1.65	.30	.61	.57	.19	.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 1998, BY WATER YEAR (WY)

MEAN	19.6	29.1	79.7	112	142	167	127	58.2	32.0	32.3	19.4	15.9
MAX	147	147	448	393	464	438	505	234	197	252	92.7	157
(WY)	1990	1980	1962	1993	1961	1976	1964	1980	1989	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 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1951 - 1998

ANNUAL TOTAL	27294.7		26064.6				
ANNUAL MEAN	74.8		71.4			69.2	
HIGHEST ANNUAL MEAN						130	1989
LOWEST ANNUAL MEAN						19.4	1957
HIGHEST DAILY MEAN	1320	Apr 27	2690	Jan 7	5770		Apr 6 1964
LOWEST DAILY MEAN	3.5	Oct 6	1.1	Sep 8		.20	Jul 12 1957
ANNUAL SEVEN-DAY MINIMUM	3.8	Oct 3	1.5	Sep 5		.27	Sep 4 1957
INSTANTANEOUS PEAK FLOW			4220	Jan 7	9530		Apr 6 1964
INSTANTANEOUS PEAK STAGE			12.21	Jan 7		32.04	Mar 28 1951
INSTANTANEOUS LOW FLOW			.73	Sep 8		.20	Oct 4 1954
ANNUAL RUNOFF (CFSM)	1.44		1.37			1.33	
ANNUAL RUNOFF (INCHES)	19.49		18.61			18.04	
10 PERCENT EXCEEDS	180		176			140	
50 PERCENT EXCEEDS	36		17			19	
90 PERCENT EXCEEDS	6.8		3.8			2.3	

PASCAGOULA RIVER BASIN

71

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: Feb. 6-8, Aug. 30 - Sept. 1, Sept. 19-22 and Sept. 29-30. 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 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	124	412	1120	1580	1470	870	397	90	157	91	e71
2	62	116	435	1100	1550	1430	535	300	82	536	86	69
3	63	94	461	1090	1620	1500	591	271	71	293	82	68
4	61	87	487	857	1540	1500	419	253	69	131	81	65
5	60	81	608	1680	1530	1430	321	236	101	124	76	64
6	61	93	660	2150	e1490	1210	288	223	952	121	77	63
7	61	84	656	7060	e1400	1580	269	218	221	108	77	62
8	60	84	485	7600	e1380	3360	267	210	132	96	233	63
9	58	81	240	3560	1390	1940	375	214	112	85	202	62
10	59	81	199	1710	1260	1380	271	189	103	91	114	70
11	59	81	176	1490	1380	1500	231	187	96	307	117	85
12	58	188	166	2200	1330	1500	215	160	93	403	306	100
13	63	174	159	2140	1340	1470	204	133	90	299	196	95
14	160	130	170	1370	1380	1440	208	124	88	374	117	90
15	81	109	182	1480	1390	1410	233	117	117	234	118	89
16	71	100	184	2010	1400	1310	216	112	993	182	183	89
17	69	93	184	1920	1290	1290	203	111	438	138	141	89
18	66	93	178	1760	1320	1310	1220	108	183	120	108	91
19	66	115	171	1780	1410	1490	2670	102	144	106	97	e117
20	65	174	162	1510	1420	1360	2140	100	122	102	91	e128
21	64	179	437	1480	1390	1180	1170	97	109	102	155	e124
22	64	186	649	4430	1330	1180	1190	95	100	93	88	e108
23	64	183	655	4670	939	1150	1200	92	95	91	81	100
24	251	182	1820	2510	1080	996	1160	90	89	246	79	95
25	152	289	1160	1460	1290	723	998	88	99	589	72	93
26	320	333	1020	1550	2130	493	880	88	97	279	69	91
27	181	338	1270	2690	4450	369	846	83	87	146	67	91
28	108	338	1240	2290	2490	303	905	81	78	122	66	153
29	91	557	1220	1700	---	281	722	238	78	107	65	e174
30	85	457	1180	1700	---	260	613	135	83	104	e72	e156
31	84	---	1150	1660	---	389	---	102	---	98	e83	---
TOTAL	2829	5224	18176	71727	43499	38204	21430	4954	5212	5984	3490	2815
MEAN	91.3	174	586	2314	1554	1232	714	160	174	193	113	93.8
MAX	320	557	1820	7600	4450	3360	2670	397	993	589	306	174
MIN	58	81	159	857	939	260	203	81	69	85	65	62
CFSM	.27	.51	1.71	6.77	4.54	3.60	2.09	.47	.51	.56	.33	.27
IN.	.31	.57	1.98	7.80	4.73	4.16	2.33	.54	.57	.65	.38	.31

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 1998, BY WATER YEAR (WY)

	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	1996	1997	1998
MEAN	131	310	557	837	1044	1111	971	558	280	235	170	163																		
MAX	429	942	1569	2314	3160	2295	2359	1977	1275	1003	408	565																		
(WY)	1971	1993	1983	1998	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 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1969 - 1998

	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	1996	1997	1998
ANNUAL TOTAL	186460																													
ANNUAL MEAN	511																													
HIGHEST ANNUAL MEAN																														
LOWEST ANNUAL MEAN																														
HIGHEST DAILY MEAN	5200																													
LOWEST DAILY MEAN	55																													
ANNUAL SEVEN-DAY MINIMUM	59																													
INSTANTANEOUS PEAK FLOW																														
INSTANTANEOUS PEAK STAGE																														
ANNUAL RUNOFF (CFSM)	1.49																													
ANNUAL RUNOFF (INCHES)	20.28																													
10 PERCENT EXCEEDS	1220																													
50 PERCENT EXCEEDS	289																													
90 PERCENT EXCEEDS	81																													

e Estimated

PASCAGOULA RIVER BASIN

02476600 OKATIBBEE CREEK AT ARUNDEL, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.84	4.43	6.24	9.48	11.47	11.02	8.30	6.19	4.14	4.24	4.00	---
2	3.83	4.41	6.34	9.40	11.35	10.87	6.79	5.74	4.05	6.62	3.95	3.75
3	3.84	4.19	6.46	9.33	11.63	11.15	7.04	5.57	3.90	5.43	3.90	3.70
4	3.81	4.11	6.56	8.25	11.32	11.16	6.28	5.46	3.87	4.37	3.90	3.65
5	3.80	4.04	7.12	11.50	11.28	10.86	5.85	5.35	4.17	4.29	3.83	3.63
6	3.81	4.17	7.36	13.53	---	9.90	5.67	5.26	8.67	4.28	3.85	3.61
7	3.81	4.07	7.34	17.74	---	11.32	5.56	5.23	5.20	4.16	3.85	3.60
8	3.79	4.07	6.57	19.04	---	16.30	5.55	5.18	4.52	4.03	4.85	3.60
9	3.76	4.03	5.36	16.39	10.76	12.73	6.09	5.21	4.31	3.90	4.98	3.58
10	3.77	4.03	5.10	11.99	10.11	10.64	5.56	5.03	4.20	3.97	4.26	3.70
11	3.77	4.03	4.93	11.09	10.64	11.16	5.32	5.01	4.10	5.54	4.26	3.90
12	3.76	4.87	4.85	13.56	10.43	11.15	5.22	4.81	4.04	5.99	5.28	4.05
13	3.81	4.91	4.80	13.45	10.48	11.02	5.14	4.58	3.99	5.51	4.88	4.00
14	4.80	4.55	4.88	10.59	10.64	10.89	5.17	4.50	3.95	5.90	4.30	3.94
15	4.08	4.35	4.98	11.07	10.70	10.76	5.33	4.43	4.23	5.15	4.30	3.93
16	3.94	4.26	4.99	13.13	10.71	10.32	5.22	4.38	8.70	4.80	4.85	3.92
17	3.91	4.17	4.99	12.83	10.24	10.26	5.13	4.37	6.17	4.45	4.52	3.91
18	3.86	4.17	4.95	12.21	10.36	10.35	9.74	4.34	4.80	4.28	4.22	3.93
19	3.85	4.39	4.89	12.28	10.75	11.09	15.09	4.28	4.49	4.15	4.10	---
20	3.84	4.92	4.83	11.19	10.79	10.56	13.50	4.26	4.29	4.10	4.03	---
21	3.83	4.96	6.23	11.07	10.68	9.73	9.70	4.22	4.17	4.10	4.59	---
22	3.83	5.01	7.31	16.37	10.41	9.75	9.78	4.20	4.07	4.01	4.01	---
23	3.82	4.99	7.33	17.59	8.62	9.63	9.86	4.17	4.01	4.00	3.93	4.01
24	5.23	4.98	12.40	14.40	9.29	8.89	9.66	4.14	3.95	4.83	3.89	3.95
25	4.75	5.66	9.61	10.98	10.23	7.64	8.90	4.12	4.07	6.88	3.80	3.92
26	5.73	5.91	8.99	11.33	12.39	6.60	8.34	4.12	4.04	5.37	3.75	3.89
27	4.98	5.94	10.16	14.91	17.45	6.07	8.20	4.06	3.93	4.53	3.72	3.89
28	4.35	5.94	10.01	13.96	14.41	5.75	8.46	4.04	3.82	4.32	3.69	4.43
29	4.17	6.90	9.94	11.98	---	5.63	7.64	5.29	3.81	4.18	3.69	---
30	4.10	6.45	9.77	11.97	---	5.50	7.15	4.59	3.88	4.15	---	---
31	4.08	---	9.63	11.79	---	6.08	---	4.28	---	4.08	---	---
MEAN	4.08	4.76	6.93	12.72	---	9.83	7.51	4.72	4.52	4.70	---	---
MAX	5.73	6.90	12.40	19.04	---	16.30	15.09	6.19	8.70	6.88	---	---
MIN	3.76	4.03	4.80	8.25	---	5.50	5.13	4.04	3.81	3.90	---	---

PASCAGOULA RIVER BASIN

73

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS

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.

DRAINAGE AREA.--918 mi².

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

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

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

REMARKS.--Estimated daily discharges: May 29-31 and June 16-17. Records good except for estimated daily discharge, which is 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)
Jan. 9	0845	*24,100	*33.86	Feb. 28	2115	10,800	25.56
Jan. 24	1445	15,100	28.69				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	121	234	1680	1700	2670	8120	2380	1270	245	181	181	156
2	114	330	1200	1600	2770	4280	2470	939	227	638	170	152
3	111	310	945	1550	3540	3060	1780	787	201	730	162	137
4	110	323	1010	1380	3580	2600	1590	702	184	443	155	126
5	107	262	1070	4080	3010	2440	1270	637	209	313	150	121
6	105	242	1080	5820	2620	2420	1020	582	2390	319	141	120
7	105	245	1020	12200	2420	4000	910	559	1220	338	142	116
8	103	250	919	20600	2280	8190	853	542	591	335	160	114
9	100	253	680	23200	2190	7780	958	521	401	265	352	111
10	96	240	578	15700	2100	5960	1000	497	319	252	287	110
11	97	230	547	5110	3200	3890	858	624	280	794	196	129
12	96	281	503	5620	3870	2900	720	496	254	1190	232	152
13	100	568	464	6020	3410	2550	658	408	241	1360	482	179
14	230	591	453	4530	2680	2390	660	373	228	1270	304	172
15	187	444	501	4040	2340	2280	726	347	241	999	311	167
16	152	362	564	4390	3400	2180	713	330	e722	673	407	161
17	137	308	640	4080	3990	2500	666	320	e1000	533	478	154
18	125	284	619	3320	3830	3400	3030	304	654	409	340	151
19	119	273	565	3570	3130	3770	8120	286	444	333	250	158
20	117	336	507	3160	2580	3500	9100	267	352	292	212	178
21	115	368	698	2750	2330	2720	6760	257	293	284	236	198
22	115	514	2140	7730	2310	2280	3540	253	256	245	182	193
23	113	975	2360	12900	2480	2080	2530	240	232	225	159	180
24	212	795	5250	14700	2480	1870	2130	231	215	216	156	163
25	398	586	5100	9770	2250	1530	1850	227	208	662	148	150
26	600	618	5130	4400	4130	1220	1530	229	220	565	144	144
27	941	590	4180	6600	9320	1030	1390	217	196	353	138	144
28	609	572	2860	6260	10400	917	1540	207	184	278	131	214
29	334	848	2380	4570	---	862	1780	e301	176	233	126	366
30	256	2170	2100	3380	---	821	1520	e383	167	210	123	247
31	220	---	1880	2950	---	848	---	e295	---	194	126	---
TOTAL	6345	14402	49623	207680	95310	94388	64052	13631	12550	15132	6781	4863
MEAN	205	480	1601	6699	3404	3045	2135	440	418	488	219	162
MAX	941	2170	5250	23200	10400	8190	9100	1270	2390	1360	482	366
MIN	96	230	453	1380	2100	821	658	207	167	181	123	110
CFSM	.22	.52	1.74	7.30	3.71	3.32	2.33	.48	.46	.53	.24	.18
IN.	.26	.58	2.01	8.42	3.86	3.82	2.60	.55	.51	.61	.27	.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1998, BY WATER YEAR (WY)

	MEAN	260	658	1354	2089	2727	2838	2498	1253	542	600	357	279
MAX	1310	4011	7012	6699	9250	6415	6793	5644	2200	4494	1518	1654	
(WY)	1978	1949	1962	1998	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 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1938 - 1998
ANNUAL TOTAL	489742	584757	
ANNUAL MEAN	1342	1602	1280
HIGHEST ANNUAL MEAN			2633
LOWEST ANNUAL MEAN			428
HIGHEST DAILY MEAN	22000	Apr 29	58500
LOWEST DAILY MEAN	94	Sep 24	18
ANNUAL SEVEN-DAY MINIMUM	100	Oct 7	18
INSTANTANEOUS PEAK FLOW		24100	61700
INSTANTANEOUS PEAK STAGE		33.86	42.94
INSTANTANEOUS LOW FLOW		95	18
ANNUAL RUNOFF (CFSM)	1.46	1.75	1.39
ANNUAL RUNOFF (INCHES)	19.85	23.70	18.95
10 PERCENT EXCEEDS	2790	4020	3190
50 PERCENT EXCEEDS	700	547	484
90 PERCENT EXCEEDS	175	143	96

e Estimated

PASCAGOULA RIVER BASIN

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.69	5.39	9.83	9.88	12.47	23.73	11.67	8.84	5.40	4.90	4.98	4.88
2	4.63	5.89	8.54	9.61	12.66	18.34	11.95	7.94	5.30	6.88	4.90	4.85
3	4.59	5.79	7.85	9.49	14.17	14.13	10.07	7.50	5.14	7.22	4.85	4.74
4	4.58	5.85	8.04	9.04	14.84	12.28	9.58	7.24	5.03	6.22	4.81	4.65
5	4.56	5.54	8.21	13.48	13.56	11.84	8.73	7.03	5.14	5.66	4.77	4.61
6	4.53	5.42	8.22	19.94	12.33	11.79	8.06	6.84	11.70	5.69	4.71	4.60
7	4.53	5.43	8.06	25.28	11.79	13.79	7.76	6.76	8.68	5.78	4.71	4.57
8	4.51	5.46	7.78	31.98	11.42	22.38	7.60	6.70	6.84	5.76	4.85	4.55
9	4.47	5.47	7.06	33.41	11.15	22.91	7.89	6.63	6.12	5.41	5.92	4.52
10	4.44	5.39	6.73	29.01	10.91	20.92	8.01	6.54	5.74	5.33	5.62	4.51
11	4.45	5.33	6.62	20.67	13.11	16.91	7.61	6.98	5.54	7.42	5.10	4.67
12	4.43	5.58	6.46	18.27	15.43	13.43	7.19	6.54	5.39	8.51	5.33	4.85
13	4.47	6.79	6.31	20.04	14.55	12.14	6.99	6.19	5.30	8.97	6.45	5.04
14	5.38	6.86	6.27	17.75	12.66	11.71	7.00	6.04	5.21	8.75	5.73	5.00
15	5.15	6.32	6.45	15.91	11.58	11.41	7.21	5.92	5.27	8.01	5.74	4.96
16	4.89	5.97	6.68	16.27	13.73	11.15	7.17	5.84	---	7.05	6.20	4.92
17	4.78	5.71	6.94	16.11	15.51	11.91	7.02	5.79	---	6.58	6.49	4.87
18	4.68	5.58	6.87	14.39	15.35	13.88	11.56	5.72	6.98	6.11	5.91	4.85
19	4.63	5.52	6.69	14.50	14.01	15.13	21.95	5.62	6.23	5.77	5.46	4.90
20	4.60	5.83	6.47	13.96	12.25	14.69	24.00	5.52	5.84	5.58	5.24	5.04
21	4.59	5.97	7.06	12.73	11.56	12.82	22.54	5.47	5.56	5.54	5.38	5.17
22	4.59	6.48	11.04	19.31	11.50	11.41	16.76	5.45	5.36	5.33	5.05	5.14
23	4.57	7.98	11.60	27.17	11.95	10.87	12.34	5.37	5.23	5.22	4.91	5.05
24	5.23	7.45	16.90	28.47	11.96	10.33	11.02	5.32	5.13	5.17	4.88	4.93
25	6.21	6.78	18.24	25.14	11.34	9.43	10.29	5.30	5.08	6.97	4.82	4.84
26	6.95	6.89	17.94	18.39	13.50	8.62	9.49	5.31	5.16	6.72	4.79	4.79
27	8.01	6.79	17.00	19.42	23.62	8.10	9.15	5.24	5.01	5.89	4.74	4.79
28	6.98	6.72	13.44	20.72	25.25	7.78	9.52	5.17	4.93	5.53	4.69	5.25
29	5.92	7.56	11.68	18.03	---	7.62	10.12	---	4.87	5.29	4.65	6.05
30	5.52	11.12	10.93	14.90	---	7.50	9.49	---	4.81	5.16	4.62	5.46
31	5.31	---	10.34	13.28	---	7.57	---	---	---	5.06	4.65	---
MEAN	5.06	6.30	9.43	18.60	13.72	13.11	10.66	---	---	6.24	5.19	4.90
MAX	8.01	11.12	18.24	33.41	25.25	23.73	24.00	---	---	8.97	6.49	6.05
MIN	4.43	5.33	6.27	9.04	10.91	7.50	6.99	---	---	4.90	4.62	4.51

PASCAGOULA RIVER BASIN

75

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.--Estimated daily discharges: Mar. 24 - Apr. 3 and May 8-18. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 11	0530	*8,330	*29.15	Mar. 8	2015	5,370	22.53
Jan. 23	0800	4,230	19.30	Sep. 29	1015	4,540	20.21

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	193	1070	710	1670	2420	e1000	436	71	53	82	45
2	46	191	831	574	1420	2290	e1150	364	96	78	70	48
3	41	305	598	494	2540	2440	e1100	296	88	96	62	40
4	38	435	570	440	2500	2450	944	255	79	123	55	28
5	34	289	520	1160	2010	1410	741	372	70	129	49	32
6	31	191	474	2690	1720	993	587	327	322	118	46	48
7	28	146	397	5000	1560	1450	488	233	357	111	41	43
8	25	123	334	6300	1240	4950	434	e206	598	96	37	38
9	23	112	309	5840	973	4780	422	e186	716	83	119	30
10	22	104	309	7210	838	4330	400	e178	426	81	64	23
11	21	98	305	8070	1190	4200	387	e163	237	92	44	19
12	19	155	278	7020	1580	4060	369	e152	167	81	83	22
13	20	263	254	6430	1340	3730	319	e143	136	79	85	31
14	66	219	234	5140	1090	2540	294	e143	117	182	104	23
15	57	258	221	3970	861	1320	289	e139	104	272	98	18
16	159	253	210	3040	1190	1080	283	e129	94	390	101	16
17	203	194	204	2580	1450	991	330	e118	87	426	96	16
18	125	160	204	2370	1310	1170	329	e98	82	279	241	16
19	91	146	197	2330	1120	1310	417	84	214	187	371	18
20	73	134	189	2450	907	1400	520	82	181	145	265	23
21	61	409	193	2300	740	1460	724	78	142	122	202	67
22	55	2110	230	3050	824	1330	638	74	114	108	129	138
23	49	964	694	4070	1370	1080	448	72	98	117	99	81
24	64	423	2410	3690	1190	e880	361	69	86	131	81	182
25	95	302	2680	3520	1000	e690	314	67	81	184	70	134
26	222	237	2090	3470	1020	e600	274	64	73	191	61	90
27	376	208	2260	3910	3060	e550	244	61	68	164	52	71
28	356	185	2310	3770	2820	e500	273	59	66	188	45	1030
29	400	656	1820	2930	---	e480	391	58	62	149	40	4320
30	229	1360	1290	2020	---	e480	448	88	57	115	36	3170
31	156	---	930	1860	---	e500	---	85	---	95	34	---
TOTAL	3238	10823	24615	108408	40533	57864	14918	4879	5089	4665	2962	9860
MEAN	104	361	794	3497	1448	1867	497	157	170	150	95.5	329
MAX	400	2110	2680	8070	3060	4950	1150	436	716	426	371	4320
MIN	19	98	189	440	740	480	244	58	57	53	34	16
CFSM	.21	.73	1.61	7.11	2.94	3.79	1.01	.32	.34	.31	.19	.67
IN.	.24	.82	1.86	8.20	3.06	4.38	1.13	.37	.38	.35	.22	.75

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1998, BY WATER YEAR (WY)

	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
MEAN	168	435	812	1479	1486	1625	1439	724	396	281	165	209															
MAX	945	1852	1901	3497	4046	3445	4431	3155	1465	1717	660	1315															
(WY)	1976	1980	1987	1998	1990	1983	1980	1991	1991	1989	1975	1979															
MIN	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 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1972 - 1998

	1997	1998	1972-1998
ANNUAL TOTAL	250540	287854	767
ANNUAL MEAN	686	789	1388
HIGHEST ANNUAL MEAN			287
LOWEST ANNUAL MEAN			1988
HIGHEST DAILY MEAN	5340	8070	11700
LOWEST DAILY MEAN	19	16	8.4
ANNUAL SEVEN-DAY MINIMUM	23	19	9.9
INSTANTANEOUS PEAK FLOW		8330	12200
INSTANTANEOUS PEAK STAGE		29.15	34.90
INSTANTANEOUS LOW FLOW		16	7.8
ANNUAL RUNOFF (CFSM)	1.40	1.60	1.56
ANNUAL RUNOFF (INCHES)	18.94	21.76	21.18
10 PERCENT EXCEEDS	1740	2440	2110
50 PERCENT EXCEEDS	384	233	323
90 PERCENT EXCEEDS	65	46	44

e Estimated

PASCAGOULA RIVER BASIN

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: Oct. 2-6, 12-15, 21-25, May 11-14, Jul. 20-24, Aug. 7-11, and Aug. 27 - Sept. 16. Records good except for estimated daily discharges, which are poor. Satellite telemeter and National Weather Service telemeter at station.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 15	1300	*32,500	*28.63	Mar. 11	0345	22,200	26.08
Jan. 29	2345	21,000	25.55	Sep. 29	2315	18,300	24.26
Mar. 5	0315	15,500	22.68				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	563	1370	5720	5540	16000	14200	3120	4800	1240	623	729	e471
2	e539	1650	5010	4580	12500	15100	4650	4140	1200	652	650	e548
3	e513	1740	4580	4010	10200	15100	6310	3460	1000	719	599	e640
4	e502	1830	4090	3640	11600	15300	6860	2870	906	840	561	e610
5	e540	1630	3650	3890	12700	15400	6020	2490	886	1220	534	e553
6	e595	1360	3080	7210	12000	12600	4580	2440	1130	1350	515	e510
7	623	1190	2730	13900	10400	9110	3800	2270	1360	1120	e502	e478
8	618	1030	2630	19800	8700	17500	3240	1990	3320	931	e495	e467
9	607	916	2440	22500	6960	21100	2890	1800	3860	833	e510	e465
10	598	860	2320	24200	5790	22000	2690	1690	3070	779	e550	e472
11	589	826	2140	25100	5560	22100	2530	e1580	2220	795	e600	e560
12	e565	945	1910	26400	6720	21400	2450	e1490	1590	850	648	e780
13	e531	1770	1750	28900	8410	20400	2350	e1440	1270	971	785	e840
14	e520	2630	1690	31400	8870	19200	2160	e1380	1090	1290	1010	e750
15	e615	2000	1600	32200	8530	15900	2010	1330	981	2040	1040	e615
16	843	1740	1530	30700	8110	9970	1940	1250	909	2630	1050	e525
17	855	1610	1480	27100	8780	7530	1950	1190	852	2520	907	501
18	878	1420	1460	22800	9770	7660	2730	1140	852	2080	833	495
19	825	1250	1480	18200	10000	8960	2710	1090	1920	1650	886	486
20	695	1140	1510	14300	9490	9760	3360	1050	1980	e1300	1010	555
21	e596	1170	1500	12500	8510	10400	6140	1020	1690	e1060	996	603
22	e565	1450	1580	12400	6760	10400	8340	982	1260	e940	852	753
23	e557	5180	2100	15500	6840	9130	9480	947	1050	e1080	735	1130
24	e550	4720	3870	17900	7830	6940	9910	921	908	e1100	646	990
25	e603	2790	8100	18900	7270	5560	8420	895	820	958	607	802
26	868	2310	10600	18900	6320	4920	5100	875	755	1050	564	750
27	1290	1930	11100	19200	7630	4370	3800	851	724	1190	e524	680
28	2040	1660	10900	20000	11800	3870	3330	833	696	1270	e510	4810
29	2110	2250	11300	20700	---	3490	3680	825	671	1190	e492	17000
30	2050	4380	10200	20600	---	3240	4720	1040	651	1010	e480	17800
31	1560	---	7400	18900	---	3040	---	1090	---	849	e475	---
TOTAL	25403	56747	131450	561870	254050	365650	131270	51169	40861	36890	21295	56639
MEAN	819	1892	4240	18120	9073	11800	4376	1651	1362	1190	687	1888
MAX	2110	5180	11300	32200	16000	22100	9910	4800	3860	2630	1050	17800
MIN	502	826	1460	3640	5560	3040	1940	825	651	623	475	465
MED	603	1640	2630	18900	8620	10400	3520	1250	1070	1060	607	607
CFSM	.30	.70	1.58	6.74	3.37	4.38	1.63	.61	.51	.44	.26	.70
IN.	.35	.78	1.82	7.77	3.51	5.06	1.82	.71	.57	.51	.29	.70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1998, BY WATER YEAR (WY)

MEAN	974	1845	3992	5975	7440	8548	7782	4313	2066	1949	1354	1225
MAX	4144	8146	18990	18120	23450	19890	26650	18310	6774	14390	6439	6115
(WY)	1976	1949	1962	1998	1990	1961	1980	1991	1991	1940	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 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1938 - 1998
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ANNUAL TOTAL	1396204		1733294			
ANNUAL MEAN	3825		4749		3937	
HIGHEST ANNUAL MEAN					7710	1949
LOWEST ANNUAL MEAN					1397	1963
HIGHEST DAILY MEAN	21500	May 5	32200	Jan 15	72600	Feb 28 1961
LOWEST DAILY MEAN	481	Sep 20	465	Sep 9	162	Oct 30 1963
ANNUAL SEVEN-DAY MINIMUM	505	Sep 15	500	Aug 27	166	Oct 25 1963
INSTANTANEOUS PEAK FLOW			32500	Jan 15	73600	Feb 28 1961
INSTANTANEOUS PEAK STAGE			28.63	Jan 15	33.52	Feb 28 1961
INSTANTANEOUS LOW FLOW			470a	Sep 19	160	Oct 30 1963
ANNUAL RUNOFF (CFSM)	1.42		1.77		1.46	
ANNUAL RUNOFF (INCHES)	19.31		23.97		19.88	
10 PERCENT EXCEEDS	8550		14600		10600	
50 PERCENT EXCEEDS	2730		1690		1880	
90 PERCENT EXCEEDS	614		565		491	

e Estimated

a May have been lower during periods of estimated record.

PASCAGOULA RIVER BASIN

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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: Nov. 10-18. Records good except for estimated daily discharges, which are poor. Satellite telemeter and National Weather Service telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 30	0700	30,800	18.23	Mar. 11	1100	66,800	23.59
Jan. 13	0100	*84,000	*24.93	Mar. 22	0400	32,500	18.69
Jan. 28	1100	49,400	21.91	Sep. 30	1500	48,200	21.73
Mar. 4	0200	36,300	19.57				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1650	3230	10300	16800	36000	30400	8760	16600	3470	2090	2780	1500
2	1610	3180	10100	11600	29700	34000	10800	14400	3570	2100	2430	1540
3	1550	3560	9350	9180	24400	35900	14200	12000	3260	2330	2250	1850
4	1500	3750	9370	7800	22400	36000	16000	9680	2920	2340	2090	1900
5	1470	3790	8000	7830	23200	33200	15600	7770	2740	2490	1940	1780
6	1470	3300	6700	16900	23400	28800	12900	7120	3240	3080	1860	1640
7	1550	2900	5790	30200	21700	23700	10600	6990	4140	3100	1790	1570
8	1580	2610	5270	47900	18900	35200	9400	6210	4860	2780	1740	1500
9	1580	2350	5030	62400	15800	54300	8360	5590	7110	2490	1760	1480
10	1570	e2020	4760	72300	13200	64500	7630	5150	6420	2350	1830	1480
11	1550	e1940	4540	79400	12600	66100	7130	4820	5290	2380	1870	1460
12	1520	e1890	4200	81900	15800	64600	6740	4530	4240	2710	1930	1720
13	1470	e3070	3900	82000	19900	61500	6450	4310	3550	3190	2070	2230
14	1550	e4680	3700	77500	21500	56400	6190	4160	3170	5150	2440	2330
15	1850	e4020	3550	75400	21300	48100	5950	4040	2910	6440	2920	2350
16	1980	e3560	3390	72900	22100	36200	5750	3880	2730	6860	2970	2350
17	2140	e3350	3250	67900	24300	24000	5640	3730	2600	6600	2940	2170
18	2110	e3180	3160	60000	25400	20900	7440	3610	2490	5650	2570	1970
19	2030	3040	3130	50100	24900	25200	9510	3490	2620	4670	2420	1960
20	1880	2770	3110	40500	23300	29600	9660	3360	3470	3930	2400	2270
21	1730	2650	3160	31000	21100	32000	12500	3250	3460	3400	2450	2770
22	1610	3080	3480	25700	18300	32100	15800	3170	3260	3040	2350	2650
23	1560	6240	4440	30600	17100	29600	17900	3080	3210	2890	2160	2720
24	1570	10300	7960	36100	18200	23800	17400	3000	2900	3010	2000	2950
25	1680	7770	15700	40600	18100	17800	15200	2930	2630	3210	1880	2560
26	2210	5500	22000	43700	16700	13800	11600	2860	2440	3770	1800	2220
27	2970	4700	25800	46900	18400	11800	8250	2800	2330	3810	1720	2090
28	3590	4070	28200	49100	24900	10600	8250	2740	2260	3630	1650	11800
29	4780	5550	30000	48500	---	9800	14700	2690	2200	3680	1590	38100
30	4700	9040	30300	46200	---	9170	16200	3040	2140	3720	1540	47100
31	3980	---	25100	41900	---	8690	---	3670	---	3270	1500	---
TOTAL	63990	121090	306740	1410810	592600	1007760	322510	164670	101630	110160	65640	152010
MEAN	2064	4036	9895	45510	21160	32510	10750	5312	3388	3554	2117	5067
MAX	4780	10300	30300	82000	36000	66100	17900	16600	7110	6860	2970	47100
MIN	1470	1890	3110	7800	12600	8690	5640	2690	2140	2090	1500	1460
CFSM	.31	.61	1.50	6.91	3.21	4.93	1.63	.81	.51	.54	.32	.77
IN.	.36	.68	1.73	7.96	3.35	5.69	1.82	.93	.57	.62	.37	.86

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 1998, BY WATER YEAR (WY)

	MEAN	2978	5122	10290	15640	18820	20420	19050	11040	5389	5338	4070	3661
MAX	12410	21640	45210	45510	58660	47600	70770	49960	18580	34250	11500	15110	
(WY)	1976	1949	1962	1998	1990	1961	1980	1991	1991	1940	1975	1979	
MIN	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 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1931 - 1998

	ANNUAL TOTAL	3541560	4419610	
ANNUAL MEAN	9703	12110	10110	
HIGHEST ANNUAL MEAN		19410	19410	1949
LOWEST ANNUAL MEAN		3718	3718	1963
HIGHEST DAILY MEAN	66200	May 4	82000	Jan 13
LOWEST DAILY MEAN	1410	Sep 21	1460	Sep 11
ANNUAL SEVEN-DAY MINIMUM	1460	Sep 20	1530	Oct 3
INSTANTANEOUS PEAK FLOW			84000	Jan 13
INSTANTANEOUS PEAK STAGE			24.93	Jan 13
INSTANTANEOUS LOW FLOW			1450	Oct 5a
ANNUAL RUNOFF (CFSM)	1.47		1.84	
ANNUAL RUNOFF (INCHES)	19.99		24.95	
10 PERCENT EXCEEDS	22400		33500	25000
50 PERCENT EXCEEDS	6240		4020	5190
90 PERCENT EXCEEDS	1730		1790	1610

e Estimated

a Also occurred Oct. 13-14 and September 11.

PASCAGOULA RIVER BASIN

02479000 PASCAGOULA RIVER AT MERRILL, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.28	4.90	9.86	13.15	19.50	18.13	8.92	13.09	5.12	3.78	4.48	3.10
2	3.23	4.86	9.73	10.54	17.92	19.08	10.11	12.04	5.21	3.79	4.14	3.14
3	3.15	5.20	9.29	9.18	16.30	19.49	11.92	10.79	4.93	4.03	3.95	3.51
4	3.10	5.37	9.30	8.32	15.59	19.50	12.80	9.47	4.62	4.04	3.77	3.56
5	3.06	5.40	8.45	8.33	15.88	18.86	12.63	8.31	4.45	4.20	3.61	3.43
6	3.06	4.97	7.60	13.18	15.96	17.67	11.27	7.88	4.91	4.76	3.52	3.27
7	3.15	4.59	6.97	17.90	15.33	16.08	10.04	7.80	5.69	4.79	3.44	3.18
8	3.19	4.31	6.58	21.61	14.14	19.17	9.31	7.26	6.25	4.48	3.39	3.10
9	3.20	4.05	6.40	23.20	12.73	22.40	8.68	6.81	7.88	4.20	3.40	3.07
10	3.18	---	6.19	24.04	11.43	23.39	8.22	6.49	7.40	4.05	3.48	3.07
11	3.15	---	6.02	24.60	11.08	23.53	7.89	6.24	6.59	4.09	3.54	3.04
12	3.12	---	5.74	24.78	12.70	23.40	7.63	6.01	5.78	4.41	3.60	3.36
13	3.06	---	5.50	24.78	14.61	23.13	7.43	5.83	5.19	4.86	3.76	3.93
14	3.16	---	5.32	24.45	15.28	22.65	7.25	5.71	4.85	6.47	4.15	4.03
15	3.51	---	5.19	24.29	15.21	21.70	7.08	5.61	4.61	7.42	4.62	4.06
16	3.66	---	5.05	24.09	15.48	19.48	6.94	5.48	4.44	7.71	4.67	4.06
17	3.83	---	4.92	23.68	16.26	16.12	6.86	5.35	4.30	7.54	4.63	3.87
18	3.80	---	4.84	22.99	16.63	15.02	8.06	5.25	4.19	6.86	4.27	3.65
19	3.72	4.73	4.81	21.95	16.48	16.55	9.38	5.14	4.33	6.12	4.13	3.64
20	3.55	4.47	4.80	20.39	15.93	17.89	9.47	5.02	5.12	5.52	4.10	3.97
21	3.37	4.35	4.85	18.27	15.10	18.56	11.06	4.93	5.11	5.06	4.16	4.47
22	3.23	4.77	5.13	16.73	13.89	18.59	12.71	4.85	4.93	4.73	4.05	4.35
23	3.16	7.19	5.93	18.17	13.33	17.88	13.73	4.77	4.88	4.59	3.85	4.42
24	3.18	9.86	8.39	19.52	13.84	16.08	13.48	4.69	4.60	4.70	3.68	4.65
25	3.31	8.29	12.61	20.42	13.82	13.65	12.40	4.63	4.34	4.89	3.55	4.26
26	3.89	6.75	15.43	21.02	13.14	11.70	10.52	4.56	4.14	5.38	3.45	3.92
27	4.67	6.14	16.78	21.54	13.93	10.68	8.61	4.50	4.03	5.42	3.36	3.78
28	5.22	5.63	17.50	21.86	16.44	10.03	8.59	4.44	3.97	5.26	3.28	9.98
29	6.21	6.73	18.01	21.78	---	9.55	12.18	4.40	3.89	5.31	3.21	19.86
30	6.14	9.10	18.08	21.42	---	9.18	12.93	4.72	3.83	5.34	3.14	21.56
31	5.56	---	16.50	20.69	---	8.88	---	5.30	---	4.94	3.10	---
MEAN	3.68	---	8.77	19.58	14.93	17.36	9.94	6.37	4.99	5.12	3.79	5.04
MAX	6.21	---	18.08	24.78	19.50	23.53	13.73	13.09	7.88	7.71	4.67	21.56
MIN	3.06	---	4.80	8.32	11.08	8.88	6.86	4.40	3.83	3.78	3.10	3.04

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

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 8	1330	*11,100	*21.59	Mar. 8	1800	7,300	18.84
Jan. 22	2400	3,590	12.92				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	150	508	401	682	1390	725	1120	226	108	136	100
2	95	162	427	331	763	1120	752	806	182	154	121	119
3	92	185	342	300	1070	808	1120	595	157	161	109	137
4	89	169	441	283	1020	603	919	479	148	139	104	121
5	89	154	381	1230	798	545	702	401	138	127	100	110
6	92	148	336	2540	657	524	534	359	284	126	91	103
7	92	145	307	5160	579	872	454	436	342	134	88	102
8	91	143	322	10600	533	6040	426	387	254	120	85	103
9	90	144	420	8440	497	6360	411	316	212	118	87	101
10	90	145	393	4340	475	4280	387	276	177	111	92	103
11	90	147	337	2020	1140	2500	356	246	153	116	92	123
12	89	242	297	2040	1460	1530	328	224	140	122	99	271
13	98	729	275	2930	1190	1130	312	211	131	126	113	444
14	162	544	239	2230	921	922	309	204	126	127	120	357
15	192	392	217	1990	713	826	317	197	119	150	169	276
16	168	298	209	1800	1800	751	316	192	115	182	244	229
17	148	240	202	1370	1850	1610	318	187	116	179	230	175
18	129	219	197	1080	1370	2970	1140	179	114	154	176	156
19	118	216	193	922	1000	3000	1110	172	110	136	150	186
20	111	217	190	810	787	2390	998	171	107	124	134	448
21	108	218	198	707	638	1610	724	165	127	118	126	412
22	109	391	329	1690	842	1170	529	163	183	120	120	326
23	115	468	432	2820	1370	903	401	157	183	186	115	262
24	135	423	756	1700	1000	759	353	153	157	217	110	228
25	200	354	948	1350	804	663	326	151	129	161	107	205
26	241	252	827	1250	747	597	305	148	115	339	103	192
27	203	210	1080	2190	2240	556	292	146	114	515	99	205
28	197	194	1020	1640	1690	528	1500	142	114	334	96	1440
29	179	506	804	1290	---	504	2630	192	115	255	93	2990
30	161	715	647	1030	---	485	1600	520	110	226	93	1580
31	151	---	502	851	---	460	---	342	---	165	92	---
TOTAL	4024	8520	13776	67335	28636	48406	20594	9437	4698	5350	3694	11604
MEAN	130	284	444	2172	1023	1561	686	304	157	173	119	387
MAX	241	729	1080	10600	2240	6360	2630	1120	342	515	244	2990
MIN	89	143	190	283	475	460	292	142	107	108	85	100
CFSM	.37	.80	1.25	6.12	2.88	4.40	1.93	.86	.44	.49	.34	1.09
IN.	.42	.89	1.44	7.06	3.00	5.07	2.16	.99	.49	.56	.39	1.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1998, BY WATER YEAR (WY)

	MEAN	319	454	755	1109	1089	1079	1074	702	440	380	306	295
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	273	248	441	439	235	168	112	104	119	86.6	
(WY)	1983	1982	1997	1981	1989	1982	1986	1988	1985	1996	1998	1995	

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1971 - 1998

	ANNUAL TOTAL	207391	226074	
ANNUAL MEAN	568	619	665	
HIGHEST ANNUAL MEAN			998	1980
LOWEST ANNUAL MEAN			364	1996
HIGHEST DAILY MEAN	5390	Jun 19	10600	Jan 8
LOWEST DAILY MEAN	89	Oct 4	85	Aug 8
ANNUAL SEVEN-DAY MINIMUM	90	Oct 4	90	Oct 4
INSTANTANEOUS PEAK FLOW			11100	Jan 8
INSTANTANEOUS PEAK STAGE			21.59	Jan 8
ANNUAL RUNOFF (CFSM)	1.60		1.74	
ANNUAL RUNOFF (INCHES)	21.73		23.69	
10 PERCENT EXCEEDS	1280		1450	
50 PERCENT EXCEEDS	407		254	
90 PERCENT EXCEEDS	109		108	

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.

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

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

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

REMARKS.--Estimated daily discharges: Nov. 17-18. 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)
Jan. 7	1630	2,860	20.68	Apr. 28	2130	3,250	22.00
Mar. 8	0800	2,920	21.07	Sep. 29	0400	*4,790	*24.04

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.4	14	78	34	79	105	126	194	15	33	12	7.5
2	7.0	15	46	31	83	80	130	155	12	89	12	7.7
3	6.9	13	62	29	204	67	202	108	11	22	11	7.6
4	6.8	11	103	27	142	60	103	84	9.8	17	10	7.3
5	6.8	10	60	442	87	71	68	67	9.3	14	9.8	7.0
6	6.8	11	38	520	73	82	54	87	113	11	9.6	7.0
7	6.8	11	30	2110	68	586	47	117	96	10	9.5	7.4
8	6.7	12	49	1080	62	2460	49	71	35	9.2	9.5	7.4
9	6.7	12	62	262	57	512	50	50	22	8.6	9.8	7.1
10	6.9	12	99	170	55	214	40	42	18	8.3	9.5	7.1
11	6.7	12	56	136	116	160	33	37	15	9.0	9.1	9.6
12	6.7	121	37	571	93	136	30	33	14	12	8.9	107
13	18	173	31	609	64	123	28	30	13	12	9.3	98
14	70	70	29	273	53	114	30	27	12	26	14	37
15	39	35	27	266	75	105	31	26	12	42	20	20
16	17	24	25	219	595	97	29	25	11	25	18	18
17	12	e19	23	141	310	283	34	24	11	16	14	15
18	10	e18	21	114	144	269	209	22	11	12	12	13
19	9.3	18	20	101	97	280	281	17	11	10	11	19
20	8.9	18	19	90	82	161	127	15	10	9.2	9.8	70
21	8.7	44	27	83	70	119	66	14	11	8.8	9.2	108
22	8.9	96	71	482	150	99	45	13	13	10	8.9	77
23	9.7	44	136	556	174	88	35	13	11	58	8.7	49
24	11	27	264	188	91	78	31	13	9.8	140	8.6	28
25	29	21	139	126	69	70	27	12	9.3	236	8.3	19
26	84	18	73	187	136	65	24	12	9.1	237	8.0	15
27	41	17	161	397	469	61	24	11	9.1	92	7.7	15
28	20	16	129	199	180	59	1670	11	9.1	39	7.5	1690
29	15	156	80	129	---	55	1440	16	8.8	23	7.2	3430
30	13	179	59	105	---	52	333	37	8.6	17	7.2	557
31	12	---	43	89	---	50	---	22	---	14	7.2	---
TOTAL	518.7	1247	2097	9766	3878	6761	5396	1405	559.9	1270.1	317.3	6467.7
MEAN	16.7	41.6	67.6	315	139	218	180	45.3	18.7	41.0	10.2	216
MAX	84	179	264	2110	595	2460	1670	194	113	237	20	3430
MIN	6.7	10	19	27	53	50	24	11	8.6	8.3	7.2	7.0
CFSM	.32	.79	1.29	5.99	2.63	4.15	3.42	.86	.35	.78	.19	4.10
IN.	.37	.88	1.48	6.91	2.74	4.78	3.82	.99	.40	.90	.22	4.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 1998, 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	1996	1997	1998	
MEAN	38.1	62.3	120	166	171	176	166	99.1	50.9	47.2	41.9	52.2																					
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 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1967 - 1998

	1997	1998	1967-1998
ANNUAL TOTAL	27195.0	39683.7	
ANNUAL MEAN	74.5	109	98.8
HIGHEST ANNUAL MEAN			175
LOWEST ANNUAL MEAN			49.3
HIGHEST DAILY MEAN	1680	3430	8820
LOWEST DAILY MEAN	6.7	6.7	4.2
ANNUAL SEVEN-DAY MINIMUM	6.8	6.8	4.5
INSTANTANEOUS PEAK FLOW		4790	13000
INSTANTANEOUS PEAK STAGE		24.04	29.51
INSTANTANEOUS LOW FLOW		6.5	4.5
ANNUAL RUNOFF (CFSM)	1.42	2.07	1.88
ANNUAL RUNOFF (INCHES)	19.23	28.07	25.51
10 PERCENT EXCEEDS	176	200	200
50 PERCENT EXCEEDS	39	30	38
90 PERCENT EXCEEDS	8.5	8.8	11

e Estimated

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 estimated daily discharges. Records good. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood (believed to be that of July 1916) reached a stage of 30.5 ft, from Mississippi State Highway Department plans. The flood of June 3, 1959, reached a stage of 25.88 ft, and the flood of Feb. 19, 1961, 25.83 ft from floodmarks, discharge, about 26,000 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)
Jan. 9	1730	*13,100	*22.63	Apr. 30	2400	7,820	19.66
Mar. 10	0200	11,800	22.11	Sep. 29	2330	12,900	22.55

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	179	260	1470	844	1600	2580	1150	3140	592	212	302	182
2	170	265	997	717	1440	2100	1680	2260	421	399	277	193
3	163	274	887	627	2210	1620	2250	1700	347	414	268	202
4	160	283	1270	584	2500	1220	2100	1340	311	353	249	224
5	158	258	1060	1440	1850	1080	1450	1110	290	287	235	200
6	156	243	795	5380	1430	1370	1100	1080	476	254	228	192
7	158	236	667	7710	1220	2460	902	1320	851	244	217	184
8	159	232	648	10500	1100	7490	825	1170	668	247	212	181
9	156	227	825	12700	1020	10500	807	917	465	233	222	176
10	155	227	915	12300	958	11400	750	774	381	227	217	174
11	156	228	839	9390	1240	9020	676	687	327	236	220	194
12	154	378	663	5740	2460	4390	617	618	294	269	216	851
13	170	1480	578	6650	2060	2720	575	563	273	316	221	1100
14	397	1430	532	6320	1620	2270	559	522	254	439	253	858
15	568	890	474	4810	1340	1940	565	495	242	531	335	548
16	412	632	436	4170	3860	1700	559	478	234	451	338	424
17	306	485	413	3170	4710	2550	553	465	226	396	388	359
18	255	403	394	2560	3250	4850	1070	446	224	336	365	290
19	222	374	378	2180	2210	5580	2910	423	223	287	305	278
20	204	368	366	1860	1690	5200	2080	401	218	260	272	517
21	193	375	377	1610	1360	3430	1360	382	214	245	266	1160
22	189	851	598	2790	1410	2530	981	369	235	248	242	947
23	189	958	850	5880	2710	2050	749	360	286	286	234	622
24	203	808	1670	5120	2210	1670	614	347	283	693	222	437
25	244	674	2000	2940	1600	1440	548	341	261	908	211	352
26	756	560	1530	2750	1410	1250	503	329	233	708	205	306
27	680	426	1620	4590	3750	1140	473	321	219	979	198	384
28	418	360	2000	4140	3880	1080	2500	311	218	816	192	5620
29	345	1510	1540	2880	---	1020	6900	304	219	512	186	12300
30	300	2160	1280	2340	---	963	6850	461	217	399	181	12100
31	268	---	1040	1950	---	908	---	908	---	359	179	---
TOTAL	8243	17855	29112	136642	58098	99521	44656	24342	9702	12544	7656	41555
MEAN	266	595	939	4408	2075	3210	1489	785	323	405	247	1385
MAX	756	2160	2000	12700	4710	11400	6900	3140	851	979	388	12300
MIN	154	227	366	584	958	908	473	304	214	212	179	174
CFSM	.38	.85	1.34	6.29	2.96	4.58	2.12	1.12	.46	.58	.35	1.98
IN.	.44	.95	1.54	7.25	3.08	5.28	2.37	1.29	.51	.67	.41	2.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 1998, BY WATER YEAR (WY)

	MEAN	585	915	1488	2199	2236	2273	2280	1450	882	752	630	666
MAX	2574	2354	4218	4909	5288	3986	7713	5400	2365	1940	1960	2277	
(WY)	1976	1986	1972	1993	1990	1980	1980	1991	1997	1979	1975	1979	
MIN	154	242	584	450	705	828	525	356	229	280	247	186	
(WY)	1982	1982	1991	1981	1989	1982	1986	1988	1985	1996	1998	1997	

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1972 - 1998

	ANNUAL TOTAL	365425	489926				
ANNUAL MEAN	1001	1342	1358				
HIGHEST ANNUAL MEAN			2307				1980
LOWEST ANNUAL MEAN			767				1982
HIGHEST DAILY MEAN	8610	Jun 20	12700	Jan 9	39800	Apr 9	1983
LOWEST DAILY MEAN	154	Oct 12	154	Oct 12	101	Oct 5	1982
ANNUAL SEVEN-DAY MINIMUM	156	Oct 6	156	Oct 6	108	Sep 30	1982
INSTANTANEOUS PEAK FLOW			13100	Jan 9	43900	Apr 8	1983
INSTANTANEOUS PEAK STAGE			22.63	Jan 9		Apr 8	1983
INSTANTANEOUS LOW FLOW			152	Oct 12	100	Oct 5	1982
ANNUAL RUNOFF (CFSM)	1.43		1.91		1.94		
ANNUAL RUNOFF (INCHES)	19.39		26.00		26.33		
10 PERCENT EXCEEDS	2110		3020		2980		
50 PERCENT EXCEEDS	750		559		749		
90 PERCENT EXCEEDS	191		212		247		

PASCAGOULA RIVER BASIN

83

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. Occasional discharge measurements since 1958.

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

REMARKS.--Estimated daily discharges: Apr. 13-19 and May 11-14. 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 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2150	4770	17900	30600	53200	24800	11300	20200	4580	2520	4110	1970
2	2060	4210	18800	26100	49100	29500	11300	23800	4470	2460	3490	2110
3	1980	4100	17300	19300	43800	33700	12800	23800	4240	2640	3100	2250
4	1980	4260	15500	14600	37200	36600	15300	20300	3870	3000	2840	2590
5	1990	4440	14000	12200	32600	38400	17000	16200	3510	2980	2640	2510
6	1910	4470	12400	13400	30400	38200	17600	13200	3510	3200	2520	2320
7	1930	3950	10600	20300	28900	39200	16500	12100	4290	3510	2380	2200
8	1990	3530	9040	36500	27200	43300	14400	11400	5380	3540	2330	2110
9	2040	3260	8040	59500	24700	49200	12500	10700	6220	3220	2410	2020
10	2060	3010	7710	71800	21400	60100	11000	9280	7510	2940	2470	1920
11	2010	2800	7370	82700	18400	72200	9860	e8400	7170	2800	2440	2000
12	1970	2870	6960	95200	17200	78000	9040	e7600	6150	2860	2500	1900
13	1970	4150	6360	102000	18000	76100	e8400	e6700	5040	3160	2520	6530
14	2290	6580	5850	101000	20700	70900	e8000	e5900	4250	3800	2570	7420
15	2580	7750	5450	99800	23200	65300	e7600	5020	3760	6030	3110	6860
16	3010	6850	5190	94200	25600	59400	e7400	4840	3450	7360	4050	5370
17	2970	5720	4850	86700	28100	52600	e7100	4610	3190	7620	4530	4080
18	2850	4940	4670	78900	31500	44600	e6900	4430	3060	7360	4100	3460
19	2740	4410	4520	70200	34300	36200	e7300	4300	2960	6480	3570	3300
20	2630	4040	4410	62500	34800	34900	11100	4150	3070	5470	3390	4570
21	2450	3800	4330	55300	32600	38000	12200	3980	3710	4680	3420	6930
22	2360	4910	4470	49400	29900	41400	13700	3790	3910	4080	3480	7580
23	2170	6240	5230	43200	26600	41900	15400	3700	3710	3710	3310	7220
24	2340	9210	7410	40800	24200	39100	16800	3640	3700	3780	2990	6190
25	2520	11100	10900	44200	23500	33800	17400	3500	3350	4230	2740	5220
26	2820	9990	15400	49600	23300	28000	16700	3420	3140	5230	2510	4190
27	3660	7580	19500	53200	22200	21900	14600	3350	2910	5910	2370	3470
28	4410	6260	23200	55200	22000	17400	12100	3330	2750	5850	2250	13100
29	4720	8250	26300	57900	---	14800	13000	3250	2670	5500	2160	50400
30	5380	13800	29200	58900	---	13000	16500	3320	2550	5120	2060	86800
31	5390	---	30900	57200	---	11900	---	3750	---	4690	2020	---
TOTAL	83330	171250	363760	1742400	804600	1284400	370800	255960	122080	135730	90380	260590
MEAN	2688	5708	11730	56210	28740	41430	12360	8257	4069	4378	2915	8686
MAX	5390	13800	30900	102000	53200	78000	17600	23800	7510	7620	4530	86800
MIN	1910	2800	4330	12200	17200	11900	6900	3250	2550	2460	2020	1920
CFSM	.33	.70	1.43	6.85	3.50	5.05	1.51	1.01	.50	.53	.36	1.06
IN.	.38	.78	1.65	7.90	3.65	5.82	1.68	1.16	.55	.62	.41	1.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 1998, BY WATER YEAR (WY)

	MEAN	2993	7124	12250	21910	26630	28210	18700	12580	8547	6922	3959	3740
MAX	3952	15790	16850	56210	40350	41430	25440	25690	20330	13160	5102	8686	
(WY)	1995	1994	1996	1998	1994	1998	1994	1997	1997	1994	1997	1998	
MIN	2417	3589	5836	12230	19620	20100	12360	4328	4069	3022	2915	1867	
(WY)	1994	1995	1997	1996	1995	1997	1998	1996	1998	1996	1998	1995	

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1994 - 1998

ANNUAL TOTAL	4578640	5685280	12730
ANNUAL MEAN	12540	15580	15580
HIGHEST ANNUAL MEAN			1998
LOWEST ANNUAL MEAN			1996
HIGHEST DAILY MEAN	67500	May 6	102000
LOWEST DAILY MEAN	1910	Oct 6	1910
ANNUAL SEVEN-DAY MINIMUM	1970	Oct 3	1970
INSTANTANEOUS PEAK FLOW			104000
INSTANTANEOUS LOW FLOW			16.99
ANNUAL RUNOFF (CFSM)	1.53	1.90	1.55
ANNUAL RUNOFF (INCHES)	20.76	25.78	21.08
10 PERCENT EXCEEDS	27300	43500	31700
50 PERCENT EXCEEDS	9510	6150	7280
90 PERCENT EXCEEDS	2360	2460	2390

e Estimated

PASCAGOULA RIVER BASIN

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS

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

DRAINAGE AREA.--562 mi².

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

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

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

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

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

REVISIONS.--Daily discharges for April 8-10, 1983 are revised to 20,000, 25,000, and 21,000 ft³/s, respectively. Peak of April 9, 1983 gage height 22.39 ft, 26,100 ft³/s.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	163	364	6230	947	1780	1830	828	1060	563	155	352	162
2	156	435	3860	843	1630	1610	1090	937	411	184	274	203
3	150	339	2550	748	2270	1480	2230	812	317	275	228	207
4	150	281	2720	663	3090	1370	2250	741	268	487	199	190
5	149	255	2540	991	2690	1200	1570	630	242	401	181	170
6	147	250	2140	2870	2110	1180	1250	535	434	284	169	156
7	144	274	1680	6150	1820	2100	1140	573	981	226	159	152
8	142	266	1350	9740	1640	6310	1180	526	867	191	155	154
9	140	249	1170	9880	1450	8230	1310	457	580	172	413	145
10	143	237	996	9690	1260	9060	1010	410	408	194	506	140
11	140	233	849	9670	1660	10000	767	378	317	241	367	147
12	136	524	749	8750	2340	9420	652	345	269	234	301	550
13	142	1610	711	7990	2130	6100	599	323	242	248	958	743
14	775	1280	680	7175	2680	7170	619	304	233	306	1720	493
15	1120	977	645	6220	1420	1760		290	208	455	1850	352
16	557	741	608	6180	2650	1450	590	281	197	789	2240	295
17	264	588	578	4830	3710	1430	580	275	187	903	1450	258
18	351	517	534	3320	3810	2560	677	260	180	615	994	237
19	322	487	530	3220	3060	1080	766	246	170	387	791	321
20	200	448	506	1980	2440	2930	1550	236	187	282	599	693
21	188	406	493	1650	1960	2290	1380	228	233	241	555	1010
22	185	1380	567	2230	1900	1840	1050	225	360	382	424	830
23	191	1693	763	4160	2160	2150	2240	210	410	543	703	202
24	547	727	2830	5130	1810	1350	664	215	269	424	288	653
25	742	554	3020	2070	1520	1180	553	210	226	374	249	489
26	1380	494	2180	3590	1400	1050	483	204	205	965	222	365
27	1040	469	1800	4400	1900	1954	439	199	1130	3803	350	
28	680	438	1580	3830	2030	896	739	196	185	790	189	7220
29	478	2580	1360	2930	---	847	1090	207	172	516	176	23500
30	377	6610	1180	2380	---	803	1160	692	161	436	167	26800
31	329	---	1050	2060	---	759	---	746	---	433	160	---
TOTAL	11518	25103	48469	138002	59340	89819	29955	12961	9607	13263	16874	67717
MEAN	372	837	1564	4452	2119	2897	999	418	320	428	544	2257
MAX	1380	6610	6230	9880	3810	10000	2250	1060	981	1130	2240	26800
MIN	136	233	493	663	1260	759	453	196	161	155	155	140
CFSM	.66	1.49	2.78	7.92	3.77	5.16	1.78	.74	.57	.76	.97	4.02
IN.	.76	1.66	3.21	9.13	3.93	5.95	1.98	.86	.64	.88	1.12	4.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 1998, BY WATER YEAR (WY)

MEAN	458	879	1242	1908	2106	2080	1808	1379	774	655	587	763
MAX	2182	2587	2597	4452	4280	4383	5986	6818	2572	1668	2675	2386
(WY)	1976	1980	1983	1998	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	1988	1988	1988	1986	1986	1981	1990

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1974 - 1998
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ANNUAL TOTAL	422387			522628					
ANNUAL MEAN	1157			1432				1215	
HIGHEST ANNUAL MEAN								1922	1980
LOWEST ANNUAL MEAN								740	1982
HIGHEST DAILY MEAN	6610	Nov	30	26800	Sep	30	26800	Sep	30 1998
LOWEST DAILY MEAN	136	Oct	12	136	Oct	12	106	Jun	7 1985
ANNUAL SEVEN-DAY MINIMUM	141	Oct	7	141	Oct	7	110	Oct	2 1981
INSTANTANEOUS PEAK FLOW				27800	Sep	30	27800	Sep	30 1998
INSTANTANEOUS PEAK STAGE				22.81	Sep	30	22.81	Sep	30 1998
ANNUAL RUNOFF (CFSM)	2.06			2.55				2.16	
ANNUAL RUNOFF (INCHES)	27.96			34.59				29.38	
10 PERCENT EXCEEDS	2670			2970			2760		
50 PERCENT EXCEEDS	763			615			648		
90 PERCENT EXCEEDS	193			185			197		

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: Jan. 19-21, 25-26, Jan. 29 - Feb. 2, Mar. 22 - Apr. 3, and Jun. 13-18. 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)
Nov. 29	1730	5,950	20.09	Jan. 22	1845	2,190	10.53
Jan. 5	2215	2,380	11.14	Mar. 8	0600	5,290	19.09
Jan. 7	1715	7,000	21.84	Sep. 12	2200	2,530	11.62
Jan. 12	2130	4,210	16.41	Sep. 29	0300	*9,280	*25.43

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.5	16	1060	81	e210	178	e115	195	16	4.0	19	120
2	5.8	18	358	73	e200	140	e140	116	17	112	15	174
3	5.2	30	347	70	487	120	e150	85	13	78	11	64
4	4.8	26	546	68	379	114	142	83	9.8	37	7.9	35
5	4.5	20	317	1090	239	127	100	72	9.9	23	5.8	24
6	4.4	17	198	1890	195	205	79	52	37	157	4.5	15
7	4.3	15	157	5070	175	1680	70	61	52	83	4.3	12
8	4.4	13	238	4460	162	4730	69	94	59	42	7.0	11
9	4.4	11	291	1310	149	2470	73	60	36	24	16	8.4
10	4.3	11	202	520	137	764	66	42	26	18	11	13
11	4.0	11	154	370	416	408	55	33	20	307	8.7	209
12	4.3	76	132	1990	291	315	47	27	15	114	7.2	2000
13	11	254	116	2990	188	266	42	23	e12	60	4.4	1390
14	21	150	104	1890	147	231	41	20	e9.2	220	7.1	366
15	27	73	92	1500	195	203	41	18	e8.1	315	82	173
16	26	47	81	1110	1470	178	42	16	e6.7	110	325	108
17	17	33	76	620	1110	843	43	16	e6.2	155	132	72
18	12	28	69	404	553	1070	55	15	e5.7	83	192	177
19	9.4	27	64	e276	311	1290	180	13	5.2	47	88	501
20	7.9	28	59	e232	247	656	121	12	6.0	30	81	522
21	6.7	203	62	e210	206	365	75	11	17	21	206	752
22	6.0	1270	182	1250	383	e250	51	10	62	17	96	523
23	5.9	361	174	1380	482	e210	41	9.1	38	18	55	468
24	7.3	155	346	764	274	e190	35	8.9	21	21	40	238
25	11	94	297	e360	196	e150	32	8.6	13	34	30	140
26	40	69	165	e610	186	e130	29	8.3	8.4	58	22	92
27	47	56	188	1430	353	e120	27	8.1	6.4	159	15	71
28	37	46	214	869	269	e110	417	8.1	4.7	79	11	4080
29	24	3910	150	e405	---	e100	719	8.6	4.3	59	7.6	7590
30	18	3710	119	e280	---	e92	436	13	4.2	46	33	3100
31	16	---	96	e245	---	e84	---	16	---	28	58	---
TOTAL	407.1	10778	6654	33817	9610	17789	3533	1162.7	548.8	2559.0	1602.5	23048.4
MEAN	13.1	359	215	1091	343	574	118	37.5	18.3	82.5	51.7	768
MAX	47	3910	1060	5070	1470	4730	719	195	62	315	325	7590
MIN	4.0	11	59	68	137	84	27	8.1	4.2	4.0	4.3	8.4
CFSM	.14	3.73	2.23	11.3	3.57	5.97	1.22	.39	.19	.86	.54	7.99
IN.	.16	4.17	2.57	13.08	3.72	6.88	1.37	.45	.21	.99	.62	8.91

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 1998, BY WATER YEAR (WY)

	MEAN	68.8	120	228	329	356	336	269	189	109	124	137	164
MAX	606	466	625	1091	986	920	997	1129	587	592	715	768	
(WY)	1986	1980	1962	1998	1983	1980	1991	1959	1989	1987	1998	1998	
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 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1953 - 1998

ANNUAL TOTAL	79843.6	111509.5	202	
ANNUAL MEAN	219	306	364	1983
HIGHEST ANNUAL MEAN			67.4	1963
LOWEST ANNUAL MEAN			9860	May 10 1995
HIGHEST DAILY MEAN	3910	Nov 29	1.2	Oct 21 1963
LOWEST DAILY MEAN	4.0	Oct 11	1.3	Oct 20 1963
ANNUAL SEVEN-DAY MINIMUM	4.3	Oct 6	13500	May 9 1995
INSTANTANEOUS PEAK FLOW			25.43	Sep 29
INSTANTANEOUS PEAK STAGE			2.9	Aug 14
INSTANTANEOUS LOW FLOW			3.18	
ANNUAL RUNOFF (CFSM)	2.27		43.12	
ANNUAL RUNOFF (INCHES)	30.88		28.50	
10 PERCENT EXCEEDS	548		466	
50 PERCENT EXCEEDS	100		68	
90 PERCENT EXCEEDS	7.9		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: Dec. 10-12, May 28 - Jun. 4, Jul. 22-24, and Sept. 6-10. Records good except for estimated discharges, which are poor. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 27, 1964, reached a stage of 21.06 ft. The flood of 1920 reached a stage about 5 ft higher than that of April 1964, from information by local resident.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 29	1400	9,620	20.51	Feb. 16	1600	4,050	13.87
Jan. 7	1245	*15,000	*25.47	Mar. 8	0530	12,400	23.25
Jan. 12	2030	8,220	19.09	Mar. 18	2215	4,510	14.51
Jan. 15	1615	4,110	13.95	Sep. 29	0115	5,910	16.35
Jan. 22	2300	4,480	14.47				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	57	90	1380	255	782	1030	547	976	e74	47	79	86
2	53	96	724	222	991	743	610	539	e73	107	69	193
3	48	116	599	207	1470	565	663	372	e72	74	62	101
4	46	103	891	198	1260	493	603	307	e70	72	56	64
5	46	91	737	2510	888	536	459	256	67	74	52	51
6	48	85	470	5960	701	886	384	222	144	70	64	e47
7	47	82	352	11600	614	4380	351	256	282	103	52	e45
8	48	85	473	14200	561	10800	339	327	206	98	52	e44
9	59	84	669	11100	521	10100	341	249	156	73	50	e44
10	58	84	e540	2710	498	4830	321	207	117	66	62	e58
11	55	112	e445	1520	926	1840	288	182	96	90	61	449
12	54	238	e350	3940	1210	1240	264	164	82	150	74	1690
13	76	738	298	7790	881	974	250	147	72	139	55	1590
14	120	652	264	5040	698	837	245	136	66	150	52	709
15	173	363	239	3660	658	744	244	129	63	142	77	345
16	146	225	217	3030	3600	674	242	120	60	97	128	214
17	105	171	197	1960	3430	1720	243	114	57	87	144	154
18	83	143	185	1370	2210	3260	273	107	56	84	261	148
19	70	143	175	1110	1420	3720	379	101	54	74	145	202
20	65	143	165	923	986	2210	348	95	52	62	116	318
21	62	360	177	805	773	1370	301	91	56	76	119	1160
22	60	2250	336	2460	1060	971	263	88	145	e100	123	919
23	61	1180	391	3750	1660	778	226	85	80	e78	94	664
24	77	586	739	2530	1170	668	209	83	60	e96	87	506
25	88	341	905	1590	838	594	198	81	53	170	65	294
26	184	255	571	1720	703	545	189	79	51	241	54	203
27	242	211	546	1610	1300	510	185	77	51	355	50	168
28	157	185	806	2460	1480	489	675	e77	50	254	47	3020
29	115	5780	557	1650	---	471	2170	e76	50	180	45	4820
30	97	2840	402	1210	---	458	1560	e75	48	133	42	2340
31	92	---	311	934	---	438	---	e75	---	97	43	---
TOTAL	2692	17832	15111	102024	33289	58874	13370	5893	2563	3639	2480	20646
MEAN	86.8	594	487	3291	1189	1899	446	190	85.4	117	80.0	688
MAX	242	5780	1380	14200	3600	10800	2170	976	282	355	261	4820
MIN	46	82	165	198	498	438	185	75	48	47	42	44
MED	65	178	445	2460	956	837	311	120	67	97	62	209
CFSM	.28	1.93	1.58	10.7	3.86	6.17	1.45	.62	.28	.38	.26	2.23
IN.	.33	2.15	1.83	12.32	4.02	7.11	1.61	.71	.31	.44	.30	2.49

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1998, BY WATER YEAR (WY)

	MEAN	224	395	675	1094	1148	1096	1001	712	341	421	403	441
MAX	1231	957	1511	3291	2489	2424	3008	2641	1082	1513	1778	1676	
(WY)	1986	1990	1984	1998	1990	1980	1980	1991	1989	1979	1975	1973	
MIN	52.1	51.3	144	122	272	334	159	103	58.9	90.5	71.4	68.1	
(WY)	1982	1982	1982	1981	1989	1981	1976	1985	1985	1986	1986	1997	

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1971 - 1998

	ANNUAL TOTAL	230020	278413	
ANNUAL MEAN	630	763	658	
HIGHEST ANNUAL MEAN			943	1980
LOWEST ANNUAL MEAN			312	1976
HIGHEST DAILY MEAN	5780	Nov 29	14200	Jan 8
LOWEST DAILY MEAN	46	Oct 4	42	Aug 30
ANNUAL SEVEN-DAY MINIMUM	48	Oct 2	48	Oct 2
INSTANTANEOUS PEAK FLOW			15000	Jan 7
INSTANTANEOUS PEAK STAGE			25.47	Jan 7
ANNUAL RUNOFF (CFSM)	2.05		2.48	
ANNUAL RUNOFF (INCHES)	27.78		33.63	
10 PERCENT EXCEEDS	1580		1720	
50 PERCENT EXCEEDS	382		214	
90 PERCENT EXCEEDS	70		56	

e Estimated

PEARL RIVER BASIN

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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: Dec. 25-27 and Jan. 8-11. Records good except for estimated daily discharges, which are poor. Telemeter and satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge observed, 70,600 ft³/s, Apr. 13, 1979, gage height, 23.31 ft.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 24	0330	6,160	14.49	Mar. 9	1530	6,290	14.53
Feb. 19	0400	4,210	13.86	Jan. 10	----	*unknown	*unknown

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.1	183	1130	1290	845	2420	301	264	274	5.0	40	8.0
2	6.8	264	1710	1060	773	2380	313	233	127	5.3	33	4.8
3	6.1	342	1590	859	778	1930	370	209	53	5.8	28	4.1
4	6.0	378	1290	696	836	1510	401	195	32	5.8	23	4.2
5	5.9	327	1060	618	897	1250	454	166	26	10	13	4.2
6	4.8	251	946	634	933	1130	472	136	41	21	12	3.6
7	4.6	201	832	1500	893	1320	436	117	73	15	10	4.1
8	3.3	171	699	e2350	833	3440	376	101	80	10	11	5.1
9	2.9	153	574	e3800	772	6040	335	86	57	8.6	11	3.7
10	3.9	129	484	e6200	708	5310	302	98	41	17	9.7	2.9
11	5.2	105	432	e4800	1030	3830	283	114	31	209	9.9	3.5
12	4.9	91	406	3200	1630	2260	266	132	25	73	8.9	7.1
13	8.0	92	378	2320	2400	1480	231	118	23	189	9.8	8.4
14	16	94	336	1920	2050	1130	212	96	20	543	14	6.6
15	19	101	307	1630	1780	911	240	80	18	750	12	6.2
16	25	98	308	1520	1950	758	254	68	38	1000	25	5.4
17	17	91	334	1550	2650	696	247	59	31	1570	18	4.0
18	8.5	84	354	1710	3830	678	341	52	26	1380	23	4.9
19	4.8	80	350	1620	4100	697	716	44	22	1200	50	5.3
20	5.2	70	335	1400	3340	751	964	35	18	974	50	5.3
21	7.2	122	403	1300	2390	740	1750	29	20	746	42	5.5
22	4.3	393	735	2390	1860	684	1930	24	13	574	34	5.3
23	67	470	862	5180	1640	622	1430	21	9.9	435	25	4.7
24	142	567	2350	5950	1530	577	1090	19	8.4	336	19	4.5
25	132	545	e2400	4810	1540	548	864	16	7.7	247	15	4.2
26	251	458	e2900	3260	1370	511	679	12	7.3	175	11	3.7
27	272	391	e3700	2230	1690	459	516	15	6.4	132	8.2	3.5
28	368	357	4270	1730	2290	401	394	12	5.9	101	5.9	3.5
29	384	556	2910	1400	---	349	327	19	5.8	77	4.8	3.3
30	262	876	2050	1200	---	305	293	87	5.4	60	4.8	3.6
31	160	---	1580	1000	---	271	---	263	---	49	15	---
TOTAL	2215.5	8040	38015	71127	47338	45388	16787	2920	1145.8	10923.5	596.0	143.2
MEAN	71.5	268	1226	2294	1691	1464	560	94.2	38.2	352	19.2	4.77
MAX	384	876	4270	6200	4100	6040	1930	264	274	1570	50	8.4
MIN	2.9	70	307	618	708	271	212	12	5.4	5.0	4.8	2.9
CFSM	.14	.52	2.36	4.41	3.25	2.82	1.08	.18	.07	.68	.04	.01
IN.	.16	.58	2.72	5.09	3.39	3.25	1.20	.21	.08	.78	.04	.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1998, BY WATER YEAR (WY)

	77.7	417	952	1329	1668	1285	1182	719	279	173	83.8	23.5
MEAN	77.7	417	952	1329	1668	1285	1182	719	279	173	83.8	23.5
MAX	295	1071	3408	3099	3661	3149	3686	4021	1148	906	342	123
(WY)	1995	1990	1983	1990	1983	1983	1983	1983	1997	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 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1981 - 1998

ANNUAL TOTAL	343657.2	244639.0	695
ANNUAL MEAN	942	670	1732
HIGHEST ANNUAL MEAN			141
LOWEST ANNUAL MEAN			34600
HIGHEST DAILY MEAN	9000	Apr 29	6200
LOWEST DAILY MEAN	2.9	Oct 9	2.9
ANNUAL SEVEN-DAY MINIMUM	4.2	Oct 6	3.8
INSTANTANEOUS PEAK FLOW			unknown
INSTANTANEOUS PEAK STAGE			unknown
ANNUAL RUNOFF (CFSM)	1.81	1.29	1.34
ANNUAL RUNOFF (INCHES)	24.58	17.50	18.15
10 PERCENT EXCEEDS	2530	1930	1670
50 PERCENT EXCEEDS	423	240	178
90 PERCENT EXCEEDS	18	5.3	4.8

e Estimated

PEARL RIVER BASIN

02481880 PEARL RIVER AT BURNSIDE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.37	7.07	11.62	11.99	11.13	13.08	8.74	8.33	8.08	4.18	5.18	4.41
2	4.32	7.83	12.46	11.58	10.91	13.06	8.84	8.05	6.59	4.20	5.03	4.28
3	4.28	8.47	12.34	11.10	10.93	12.75	9.27	7.83	5.53	4.22	4.93	4.24
4	4.28	8.74	11.94	10.55	11.11	12.37	9.50	7.67	5.12	4.22	4.79	4.25
5	4.27	8.34	11.54	10.24	11.28	12.01	9.88	7.37	4.97	4.36	4.51	4.25
6	4.21	7.71	11.28	10.31	11.37	11.79	9.99	7.03	5.29	4.73	4.48	4.23
7	4.20	7.23	10.97	11.98	11.27	12.07	9.74	6.80	5.81	4.56	4.44	4.25
8	4.13	6.92	10.52	---	11.10	13.50	9.31	6.57	5.92	4.42	4.46	4.30
9	4.10	6.72	9.98	---	10.91	14.46	8.99	6.36	5.55	4.35	4.47	4.23
10	4.16	6.45	9.48	---	10.67	14.23	8.72	6.51	5.23	4.58	4.42	4.20
11	4.23	6.15	9.14	---	11.53	13.77	8.56	6.71	5.02	7.32	4.43	4.23
12	4.21	5.96	8.95	13.43	12.47	13.18	8.41	6.92	4.88	5.70	4.40	4.42
13	4.33	5.97	8.75	12.99	13.07	12.68	8.09	6.73	4.80	6.97	4.43	4.48
14	4.61	6.00	8.43	12.71	12.84	12.24	7.91	6.44	4.71	9.82	4.56	4.41
15	4.70	6.08	8.20	12.45	12.64	11.80	8.17	6.20	4.64	10.73	4.51	4.40
16	4.86	6.05	8.21	12.35	12.77	11.35	8.29	6.00	5.11	11.42	4.88	4.37
17	4.64	5.94	8.42	12.37	13.18	11.12	8.23	5.85	4.96	12.35	4.71	4.31
18	4.35	5.84	8.58	12.53	13.71	11.04	8.97	5.71	4.85	12.12	4.83	4.36
19	4.19	5.78	8.54	12.45	13.82	11.12	11.10	5.55	4.75	11.82	5.42	4.39
20	4.21	5.63	8.44	12.19	13.50	11.33	11.85	5.37	4.64	11.37	5.41	4.40
21	4.29	6.23	8.91	12.04	13.05	11.29	12.84	5.22	4.69	10.72	5.28	4.42
22	4.15	8.82	10.68	12.96	12.70	11.07	12.98	5.09	4.50	9.99	5.12	4.42
23	5.50	9.35	11.07	14.18	12.51	10.80	12.59	4.99	4.39	9.17	4.92	4.39
24	6.64	9.93	12.87	14.43	12.40	10.61	12.11	4.92	4.33	8.44	4.77	4.39
25	6.51	9.81	---	14.07	12.40	10.46	11.59	4.85	4.30	7.69	4.63	4.39
26	7.72	9.28	---	13.47	12.21	10.25	10.96	4.71	4.28	7.00	4.53	4.36
27	7.90	8.81	---	12.97	12.55	9.92	10.18	4.78	4.25	6.52	4.41	4.36
28	8.68	8.57	13.87	12.58	13.00	9.51	9.37	4.67	4.22	6.13	4.31	4.37
29	8.80	9.74	13.28	12.25	---	9.13	8.87	4.86	4.22	5.80	4.26	4.37
30	7.80	11.10	12.79	11.91	---	8.78	8.58	6.06	4.20	5.54	4.27	4.39
31	6.82	---	12.39	11.53	---	8.49	---	7.99	---	5.35	4.63	---
MEAN	5.21	7.55	---	---	12.18	11.59	9.75	6.20	4.99	7.28	4.69	4.34
MAX	8.80	11.10	---	---	13.82	14.46	12.98	8.33	8.08	12.35	5.42	4.48
MIN	4.10	5.63	---	---	10.67	8.49	7.91	4.67	4.20	4.18	4.26	4.20

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.

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

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 28	2100	6,480	21.17	Jan. 25	1300	6,990	21.64
Jan. 11	0615	*11,400	*23.77	Mar. 11	1030	6,340	21.04

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	301	1400	3690	1960	3420	823	821	242	32	90	23
2	45	361	1510	2650	1820	3230	800	687	299	43	75	26
3	44	367	1390	1960	1770	3060	990	573	243	42	64	25
4	42	380	1390	1550	1730	2850	928	481	152	46	55	22
5	40	375	1460	1410	1670	2650	858	407	102	42	49	19
6	39	396	1460	1330	1550	2500	834	351	127	38	52	17
7	38	380	1330	3050	1410	3150	825	306	136	39	82	16
8	37	319	1180	4220	1320	4540	802	262	133	47	63	15
9	36	256	1070	5880	1260	4820	768	226	144	43	48	13
10	34	218	954	9610	1200	5720	708	225	128	37	39	12
11	32	189	812	11100	2370	6290	653	225	101	40	34	14
12	31	166	686	9490	2310	5980	581	220	81	152	33	20
13	30	188	591	7280	2570	5260	544	220	69	304	33	26
14	46	183	528	5900	2490	4390	593	209	62	444	47	26
15	58	166	498	4880	2640	3430	614	184	64	751	57	24
16	53	155	504	4160	3270	2500	567	166	280	825	90	22
17	49	145	511	3440	3420	2500	533	145	197	839	98	20
18	48	137	523	2920	3730	2230	834	129	186	876	88	18
19	45	130	512	2580	4160	2050	1540	116	129	944	68	17
20	39	122	490	2360	4480	1850	2070	103	93	1040	61	16
21	35	352	742	2340	4550	1640	2580	91	73	1120	67	16
22	33	728	1090	4290	4330	1530	2320	81	61	1060	64	16
23	33	751	1360	5020	4050	1430	2100	73	55	903	57	16
24	158	835	3250	6170	3500	1310	2230	66	50	696	49	15
25	251	766	3440	6920	2910	1200	2190	62	45	530	41	14
26	382	698	4380	6700	2580	1100	1910	58	40	425	34	13
27	398	626	5560	6020	2890	1020	1570	59	40	316	30	13
28	366	531	6370	5140	3150	953	1340	50	37	232	26	13
29	362	1140	6260	4250	---	866	1120	63	34	176	23	12
30	378	1230	5540	3310	---	761	955	103	33	136	21	11
31	346	---	4670	2460	---	694	---	134	---	112	20	---
TOTAL	3580	12591	61461	142080	75090	84924	35180	6896	3436	12330	1658	530
MEAN	115	420	1983	4583	2682	2739	1173	222	115	398	53.5	17.7
MAX	398	1230	6370	11100	4550	6290	2580	821	299	1120	98	26
MIN	30	122	490	1330	1200	694	533	50	33	32	20	11
CFSM	.13	.46	2.19	5.07	2.97	3.03	1.30	.25	.13	.44	.06	.02
IN.	.15	.52	2.53	5.85	3.09	3.49	1.45	.28	.14	.51	.07	.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 1998, BY WATER YEAR (WY)

MEAN	183	454	1306	2168	2636	2670	2376	1217	373	407	229	150
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

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1928 - 1998

ANNUAL TOTAL	533790		439756			
ANNUAL MEAN	1462		1205		1174	
HIGHEST ANNUAL MEAN					3368	1983
LOWEST ANNUAL MEAN					236	1963
HIGHEST DAILY MEAN	8310	Feb 16	11100	Jan 11	73500	Apr 14 1979
LOWEST DAILY MEAN	30	Sep 23	11	Sep 30	2.2	Oct 5 1954
ANNUAL SEVEN-DAY MINIMUM	32	Sep 18	13	Sep 24	2.3	Sep 24 1956
INSTANTANEOUS PEAK FLOW			11400	Jan 11	77900	Apr 14 1979
INSTANTANEOUS PEAK STAGE			23.77	Jan 11	30.06	Apr 14 1979
INSTANTANEOUS LOW FLOW			10	Sep 30	1.7	Oct 5 1954
ANNUAL RUNOFF (CFSM)	1.62		1.33		1.30	
ANNUAL RUNOFF (INCHES)	21.97		18.10		17.64	
10 PERCENT EXCEEDS	4030		3710		3080	
50 PERCENT EXCEEDS	820		380		345	
90 PERCENT EXCEEDS	56		31		26	

PEARL RIVER BASIN

02482000 PEARL RIVER AT EDINBURG, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.62	5.12	10.72	17.24	13.00	16.74	8.46	8.13	4.79	2.13	3.12	2.08
2	2.47	5.53	11.21	15.03	12.54	16.35	8.35	7.52	5.18	2.38	2.92	2.16
3	2.45	5.58	10.70	12.86	12.40	16.01	9.26	6.97	4.77	2.36	2.76	2.15
4	2.42	5.67	10.70	11.35	12.25	15.57	8.96	6.52	3.99	2.43	2.61	2.05
5	2.38	5.63	11.01	10.78	12.06	15.10	8.63	6.13	3.44	2.35	2.50	1.97
6	2.36	5.77	10.99	10.45	11.64	14.66	8.51	5.79	3.71	2.27	2.55	1.91
7	2.33	5.67	10.45	15.57	11.12	16.13	8.47	5.52	3.80	2.30	3.04	1.87
8	2.31	5.25	9.81	18.19	10.78	18.72	8.36	5.24	3.76	2.46	2.77	1.83
9	2.28	4.82	9.30	20.46	10.49	19.15	8.19	4.98	3.86	2.37	2.52	1.78
10	2.24	4.54	8.76	23.08	10.23	20.38	7.90	4.96	3.67	2.24	2.33	1.75
11	2.20	4.29	8.09	23.68	14.26	20.99	7.61	4.94	3.35	2.30	2.24	1.83
12	2.17	4.11	7.45	23.05	14.09	20.67	7.23	4.89	3.07	3.75	2.21	2.04
13	2.14	4.30	6.95	21.83	14.90	19.78	6.85	4.88	2.89	5.03	2.23	2.21
14	2.50	4.25	6.61	20.57	14.67	18.47	7.07	4.77	2.76	5.98	2.51	2.23
15	2.72	4.10	6.45	19.23	15.08	16.74	7.17	4.55	2.76	7.76	2.71	2.16
16	2.63	4.00	6.48	18.09	16.44	14.64	6.94	4.38	4.87	8.15	3.21	2.10
17	2.56	3.91	6.52	16.78	16.74	14.67	6.78	4.16	4.26	8.22	3.33	2.03
18	2.55	3.83	6.59	15.71	17.33	13.84	8.19	3.98	4.17	8.39	3.21	1.98
19	2.49	3.75	6.53	14.91	18.09	13.26	11.32	3.82	3.61	8.72	2.91	1.94
20	2.38	3.66	6.41	14.24	18.63	12.64	13.25	3.66	3.19	9.19	2.82	1.91
21	2.28	5.22	7.66	14.17	18.74	11.92	14.94	3.50	2.91	9.54	2.92	1.91
22	2.24	7.65	9.40	18.23	18.38	11.53	14.10	3.35	2.72	9.28	2.88	1.90
23	2.24	7.78	10.53	19.44	17.90	11.15	13.36	3.21	2.61	8.52	2.76	1.89
24	3.75	8.20	16.35	20.86	16.88	10.69	13.81	3.10	2.53	7.46	2.62	1.86
25	4.75	7.86	16.78	21.58	15.69	10.20	13.68	3.01	2.42	6.51	2.47	1.82
26	5.64	7.51	18.45	21.37	14.89	9.76	12.69	2.93	2.33	5.85	2.33	1.79
27	5.77	7.12	20.17	20.72	15.64	9.42	11.42	2.94	2.32	5.10	2.22	1.78
28	5.56	6.61	21.06	19.62	16.19	9.08	10.48	2.77	2.26	4.51	2.12	1.77
29	5.53	9.49	20.95	18.24	---	8.66	9.56	2.96	2.20	4.04	2.05	1.74
30	5.64	10.03	20.16	16.51	---	8.16	8.77	3.53	2.16	3.65	2.01	1.70
31	5.42	---	18.91	14.53	---	7.82	---	3.86	---	3.39	1.96	---
MEAN	3.13	5.71	11.36	17.69	14.68	14.29	9.68	4.55	3.35	5.12	2.61	1.94
MAX	5.77	10.03	21.06	23.68	18.74	20.99	14.94	8.13	5.18	9.54	3.33	2.23
MIN	2.14	3.66	6.41	10.45	10.23	7.82	6.78	2.77	2.16	2.13	1.96	1.70

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

DRAINAGE AREA.--1,346 mi².

PERIOD OF RECORD.--September 1962 to current year. Daily mean gage heights published since October 1971.

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

GAGE.--Water-stage recorder. Datum of gage is 315.24 ft above sea level.

REMARKS.--Estimated daily discharges: Oct. 1-16 and Aug. 7-10. Records good except estimated daily discharges, which are poor. Telemeter and satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood in March 1902 reached a stage of about 27 ft, flood in 1900 reached a stage of 25.6 ft, flood in 1932 reached a stage of 24.3 ft, flood of Apr. 11, 1938, reached a stage of 23.3 ft, all from information by U. S. Army Corps of Engineers. Flood of Dec. 20, 1961, reached a stage of 25.4 ft, discharge, 31,900 ft³/s.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 29	2330	7,980	18.34	Jan. 27	0615	9,080	19.17
Jan. 12	2300	*13,500	*21.35	Mar. 11	2030	8,520	18.78

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e130	504	2310	6120	3710	4420	1490	1240	425	190	259	94
2	e126	535	2420	4840	3270	4430	1610	1100	458	515	231	93
3	e122	554	2280	3630	3130	4230	1780	978	454	219	210	94
4	e118	565	2140	2610	3010	3910	1820	875	395	188	194	92
5	e115	526	2050	2130	2760	3640	1620	784	329	191	179	87
6	e111	510	1930	2040	2540	3650	1460	709	339	176	169	83
7	e108	516	1680	3960	2280	4390	1250	648	342	166	e159	80
8	e106	475	1480	5740	2060	6910	1260	596	339	163	e161	77
9	e104	428	1350	6380	1910	7600	1190	542	331	162	e165	73
10	e102	388	1240	7600	1820	7970	1110	515	320	160	e160	69
11	e100	357	1110	10100	3630	8270	1020	510	293	185	155	68
12	e99	337	989	12700	4110	8410	939	486	263	238	145	78
13	e103	344	888	12600	4040	8030	849	462	238	393	141	95
14	e112	344	800	10600	4000	7210	859	451	219	749	157	101
15	e122	334	748	8660	3850	6030	954	431	207	1310	172	98
16	e132	323	755	7450	4470	4650	873	404	370	1490	216	91
17	136	310	774	6360	5210	4680	822	381	424	1330	234	87
18	133	295	780	5360	5410	4610	986	354	350	1160	227	83
19	130	285	762	4570	5400	4130	2190	332	315	1120	203	80
20	126	278	731	4030	5510	3660	2640	312	268	1100	175	80
21	122	403	940	3740	5680	3220	3050	296	233	1140	161	82
22	118	1060	1620	6550	5840	2860	3320	279	207	1140	159	80
23	115	1090	1780	8100	6080	2550	3080	265	190	1050	153	79
24	205	1130	3970	8190	5710	2190	2740	254	179	890	144	77
25	367	1110	4790	8460	4980	1930	2630	244	172	728	134	76
26	568	959	5240	8850	4420	1740	2450	235	163	615	125	75
27	794	825	5990	8880	4670	1600	2080	227	156	602	116	73
28	751	717	6910	8300	4470	1490	1790	222	152	475	109	73
29	685	1250	7710	7370	---	1380	1590	280	148	386	103	71
30	615	2160	7850	6200	---	1260	1380	435	143	331	100	70
31	535	---	7270	4890	---	1170	---	450	---	291	97	---
TOTAL	7210	18912	81287	207010	113970	132220	50932	15297	8422	18853	5113	2459
MEAN	233	630	2622	6678	4070	4265	1698	493	281	608	165	82.0
MAX	794	2160	7850	12700	6080	8410	3320	1240	458	1490	259	101
MIN	99	278	731	2040	1820	1170	822	222	143	160	97	68
CFSM	.17	.47	1.95	4.96	3.02	3.17	1.26	.37	.21	.45	.12	.06
IN.	.20	.52	2.25	5.72	3.15	3.65	1.41	.42	.23	.52	.14	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 1998, BY WATER YEAR (WY)

	MEAN	401	776	2261	3756	3943	4295	4177	2226	746	562	427	320
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	122	82.5	60.9	
(WY)	1964	1964	1988	1986	1986	1967	1963	1963	1988	1996	1981	1987	

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1963 - 1998

ANNUAL TOTAL	794756	661685	
ANNUAL MEAN	2177	1813	1982
HIGHEST ANNUAL MEAN			5247
LOWEST ANNUAL MEAN			422
HIGHEST DAILY MEAN	10500	Feb 17	93800
LOWEST DAILY MEAN	99	Oct 12	32
ANNUAL SEVEN-DAY MINIMUM	103	Oct 7	33
INSTANTANEOUS PEAK FLOW			102000
INSTANTANEOUS PEAK STAGE			28.74
INSTANTANEOUS LOW FLOW			31
ANNUAL RUNOFF (CFSM)	1.62	1.35	1.47
ANNUAL RUNOFF (INCHES)	21.97	18.29	20.00
10 PERCENT EXCEEDS	5920	5690	5160
50 PERCENT EXCEEDS	1150	615	708
90 PERCENT EXCEEDS	135	103	108

e Estimated

PEARL RIVER BASIN

02482550 PEARL RIVER NEAR CARTHAGE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	6.44	11.64	16.67	13.89	14.83	9.76	8.98	5.71	3.84	4.54	3.24
2	---	6.59	11.86	15.32	13.27	14.84	10.08	8.50	5.88	6.06	4.31	3.24
3	---	6.67	11.58	13.77	13.04	14.60	10.48	8.06	5.87	4.21	4.15	3.25
4	---	6.72	11.29	12.18	12.86	14.17	10.60	7.66	5.52	3.92	4.01	3.24
5	---	6.54	11.11	11.27	12.46	13.81	10.09	7.28	5.06	3.94	3.89	3.19
6	---	6.46	10.85	11.09	12.08	13.81	9.69	6.96	5.14	3.81	3.79	3.15
7	---	6.48	10.24	14.11	11.58	14.74	9.38	6.71	5.16	3.71	---	3.11
8	---	6.28	9.75	16.30	11.13	17.41	9.13	6.48	5.14	3.68	---	3.08
9	---	6.02	9.40	16.92	10.80	18.02	8.92	6.24	5.09	3.67	---	3.04
10	---	5.76	9.07	18.01	10.58	18.33	8.68	6.12	5.00	3.65	---	3.00
11	---	5.54	8.70	19.75	13.74	18.58	8.40	6.09	4.81	3.88	3.71	2.99
12	---	5.40	8.30	21.05	14.45	18.69	8.13	5.98	4.58	4.34	3.62	3.12
13	---	5.45	7.96	21.00	14.35	18.38	7.82	5.86	4.38	5.41	3.58	3.35
14	---	5.44	7.64	20.04	14.29	17.69	7.85	5.81	4.22	7.19	3.76	3.42
15	---	5.37	7.43	18.87	14.10	16.58	8.19	5.70	4.12	9.15	3.92	3.37
16	---	5.28	7.46	17.89	14.89	15.09	7.90	5.53	5.37	9.73	4.34	3.28
17	3.78	5.19	7.53	16.90	15.74	15.14	7.72	5.38	5.73	9.25	4.50	3.22
18	3.74	5.07	7.56	15.90	15.96	15.05	8.25	5.20	5.24	8.71	4.45	3.17
19	3.70	4.99	7.49	15.01	15.95	14.47	11.37	5.05	4.99	8.58	4.25	3.12
20	3.66	4.93	7.37	14.34	16.06	13.82	12.25	4.90	4.63	8.54	4.00	3.11
21	3.60	5.66	8.07	13.95	16.24	13.19	12.92	4.78	4.33	8.65	3.87	3.14
22	3.56	8.51	10.09	17.00	16.40	12.61	13.34	4.66	4.11	8.66	3.86	3.10
23	3.51	8.64	10.46	18.44	16.64	12.09	12.96	4.55	3.96	8.35	3.81	3.08
24	4.39	8.76	14.22	18.52	16.27	11.40	12.42	4.46	3.86	7.76	3.72	3.05
25	5.67	8.68	15.26	18.73	15.48	10.84	12.23	4.38	3.79	7.09	3.63	3.04
26	6.74	8.20	15.77	19.02	14.83	10.40	11.90	4.31	3.70	6.60	3.55	3.01
27	7.68	7.73	16.55	19.05	15.13	10.06	11.16	4.24	3.62	6.55	3.45	2.99
28	7.52	7.31	17.41	18.60	14.89	9.76	10.51	4.20	3.58	5.95	3.38	2.98
29	7.25	8.98	18.11	17.82	---	9.47	10.02	4.66	3.54	5.44	3.32	2.95
30	6.97	11.33	18.23	16.75	---	9.13	9.41	5.75	3.49	5.07	3.29	2.93
31	6.60	---	17.74	15.37	---	8.88	---	5.85	---	4.78	3.26	---
MEAN	---	6.68	11.17	16.76	14.18	14.06	10.05	5.82	4.65	6.13	---	3.13
MAX	---	11.33	18.23	21.05	16.64	18.69	13.34	8.98	5.88	9.73	---	3.42
MIN	---	4.93	7.37	11.09	10.58	8.88	7.72	4.20	3.49	3.65	---	2.93

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: Oct. 11, 12. Records good except for estimated daily discharges, which are poor. Discharge computed by combining flow of individually rated channels. Satellite telemeter and National Weather Service telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Prior to canalization, creek reached a stage of 34.5 ft present datum, from floodmark, believed to be flood of April 1900.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 26	1030	7,380	26.67	Mar. 1	0245	4,800	25.42
Jan. 9	0530	10,100	27.38	Mar. 9	1445	6,270	26.25
Jan. 23	1600	*11,600	*27.55	Apr. 20	2315	4,010	24.44

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23	87	1350	380	463	4270	1250	840	58	26	33	31
2	21	207	709	300	1130	1470	1240	505	38	104	33	30
3	19	186	317	265	1660	502	722	252	29	122	29	23
4	19	109	310	243	1580	365	499	178	25	64	29	21
5	22	99	284	337	978	445	339	142	27	69	28	20
6	22	94	227	710	554	770	242	114	405	52	28	20
7	21	128	195	3920	411	2690	199	104	591	42	34	20
8	20	110	174	6750	343	5000	176	104	272	36	45	20
9	21	85	191	9560	303	6020	294	90	110	35	42	19
10	20	65	207	6980	314	5190	296	226	63	37	34	17
11	e18	59	212	3170	3100	1840	196	264	45	173	32	15
12	e18	61	181	1810	3680	573	151	152	36	616	37	20
13	21	205	158	2480	3420	416	124	92	31	693	33	35
14	44	260	151	2120	1310	353	112	76	27	626	38	47
15	75	182	186	1470	530	317	115	56	29	694	103	37
16	36	151	285	1890	2010	293	137	46	81	507	191	27
17	21	115	336	1750	3000	2630	457	45	181	219	186	25
18	16	100	294	1090	2950	3580	1440	42	92	115	84	26
19	15	79	241	906	1820	3700	3380	35	49	79	51	24
20	14	71	200	810	754	1770	3850	31	38	60	40	23
21	14	261	842	727	476	698	3400	30	35	87	33	27
22	15	748	2300	4880	581	467	1010	29	31	123	29	26
23	16	677	2600	9910	1520	366	418	30	28	76	28	24
24	119	451	4600	9200	1360	304	304	26	26	59	26	21
25	241	232	5630	6000	763	258	231	26	23	157	25	18
26	296	149	7210	1980	992	232	182	24	21	344	24	16
27	458	116	5910	1560	3300	213	150	24	20	309	23	16
28	323	106	2830	2070	4270	205	376	22	21	121	21	15
29	155	940	1270	1470	---	194	877	102	20	61	21	17
30	99	1620	764	782	---	181	1000	260	23	44	21	19
31	71	---	528	513	---	194	---	132	---	38	21	---
TOTAL	2293	7753	40692	86033	43572	45506	23167	4099	2475	5788	1402	699
MEAN	74.0	258	1313	2775	1556	1468	772	132	82.5	187	45.2	23.3
MAX	458	1620	7210	9910	4270	6020	3850	840	591	694	191	47
MIN	14	59	151	243	303	181	112	22	20	26	21	15
CFSM	.18	.63	3.19	6.75	3.79	3.57	1.88	.32	.20	.45	.11	.06
IN.	.21	.70	3.68	7.79	3.94	4.12	2.10	.37	.22	.52	.13	.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1998, BY WATER YEAR (WY)

	111	315	609	1068	1280	1230	1054	518	176	190	109	81.1
MEAN	1433	1657	3025	4061	4111	4089	3233	2482	781	2001	752	1244
MAX (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 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1939 - 1998
ANNUAL TOTAL	280288	263479	
ANNUAL MEAN	768	722	558
HIGHEST ANNUAL MEAN			1303
LOWEST ANNUAL MEAN			144
HIGHEST DAILY MEAN	10600	Apr 29	32500
LOWEST DAILY MEAN	14	Oct 20	2.7
ANNUAL SEVEN-DAY MINIMUM	16	Oct 17	3.3
INSTANTANEOUS PEAK FLOW		11600	34600
INSTANTANEOUS PEAK STAGE		27.55	33.00
ANNUAL RUNOFF (CFSM)	1.87	1.76	1.36
ANNUAL RUNOFF (INCHES)	25.37	23.85	18.45
10 PERCENT EXCEEDS	2410	2090	1470
50 PERCENT EXCEEDS	191	157	110
90 PERCENT EXCEEDS	31	21	16

e Estimated

PEARL RIVER BASIN

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.11	11.90	17.65	13.83	14.31	24.86	17.39	14.48	11.61	11.00	10.90	10.89
2	12.10	12.96	15.09	13.44	16.87	18.38	17.12	13.57	11.42	11.22	10.88	10.85
3	12.10	12.82	13.40	13.25	18.20	14.52	15.20	12.91	11.29	11.29	10.87	10.82
4	12.11	12.11	13.38	13.17	17.92	13.89	14.49	12.59	11.22	11.16	10.85	10.81
5	12.14	12.04	13.12	13.72	15.95	14.42	13.62	12.40	11.24	11.27	10.82	10.81
6	12.16	11.98	12.79	15.39	14.56	16.08	13.12	12.21	12.66	11.18	10.80	10.80
7	12.16	12.26	12.62	23.79	14.01	21.43	12.87	12.12	13.55	11.12	10.79	10.78
8	12.15	12.09	12.49	26.30	13.69	25.49	12.70	12.13	12.49	11.05	10.93	10.77
9	12.16	11.86	12.62	27.26	13.48	26.11	13.35	12.02	11.99	11.00	10.91	10.76
10	12.17	11.71	12.71	26.54	13.48	25.66	13.49	12.90	11.69	10.99	10.85	10.75
11	---	11.64	12.80	22.81	22.80	19.59	12.90	12.85	11.51	11.33	10.84	10.75
12	---	11.65	12.49	19.44	23.72	14.90	12.59	12.33	11.38	12.01	10.85	10.84
13	11.21	12.49	12.36	21.09	22.92	14.15	12.39	12.00	11.29	12.49	10.85	11.00
14	11.48	12.91	12.32	19.82	17.32	13.85	12.28	11.92	11.24	12.47	10.95	11.10
15	11.80	12.51	12.56	17.84	14.52	13.67	12.31	11.75	11.23	13.20	11.52	10.98
16	11.35	12.36	13.20	19.23	19.83	13.52	12.34	11.65	11.68	12.50	11.60	10.90
17	11.20	12.08	13.45	18.82	22.47	21.23	14.46	11.61	12.43	11.82	11.53	10.87
18	11.14	11.97	13.28	16.94	22.16	23.10	17.86	11.59	11.77	11.50	11.24	10.85
19	11.10	11.80	12.97	16.26	18.96	23.46	23.41	11.48	11.46	11.32	11.08	10.83
20	11.08	11.72	12.71	15.82	15.44	18.76	24.22	11.41	11.32	11.19	11.00	10.83
21	11.07	12.84	15.45	15.44	14.32	15.25	23.23	11.35	11.23	11.18	10.94	10.94
22	11.08	15.57	20.62	24.79	14.77	14.31	16.57	11.32	11.18	11.45	10.90	10.95
23	11.10	15.42	21.15	27.04	17.97	13.86	14.15	11.37	11.11	11.26	10.87	10.90
24	11.83	14.51	25.18	27.17	17.00	13.54	13.56	11.26	11.05	11.13	10.84	10.85
25	12.93	13.04	25.91	26.12	15.09	13.29	13.12	11.25	11.01	11.16	10.83	10.84
26	12.75	12.40	26.62	20.19	16.11	13.13	12.79	11.23	10.99	11.11	10.83	10.82
27	13.53	12.15	26.15	18.57	23.43	12.99	12.57	11.21	10.97	11.24	10.82	10.80
28	12.88	12.05	22.20	19.72	24.84	12.94	13.56	11.19	10.96	11.16	10.82	10.76
29	12.31	15.95	17.33	17.59	---	12.87	15.07	11.63	10.95	11.03	10.81	10.80
30	11.96	18.33	15.49	15.50	---	12.79	14.96	12.71	10.95	10.96	10.79	10.83
31	11.75	---	14.48	14.51	---	12.79	---	12.06	---	10.91	10.78	---
MEAN	---	12.84	15.95	19.40	17.72	16.93	14.92	12.02	11.50	11.41	10.94	10.85
MAX	---	18.33	26.62	27.26	24.84	26.11	24.22	14.48	13.55	13.20	11.60	11.10
MIN	---	11.64	12.32	13.17	13.48	12.79	12.28	11.19	10.95	10.91	10.78	10.75

02483500 PEARL RIVER NEAR LENA, MS

LOCATION.--Lat 32°40'02", long 89°38'46", in SE1/4 sec.35, T.10 N., R.6 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, County code 079, at State Highway 25, 2.7 mi south of Highway 16 intersection, 6.1 mi northwest of Lena, about 353.8 mi upstream from the mouth, and 2.8 mi upstream of the confluence with the Yockanookany River. The gage is located approximately 52.0 mi upstream of the Ross Barnett Reservoir Dam.

DRAINAGE AREA.--1981 mi².

PERIOD OF RECORD.--Oct. 1936 to Sept. 1953, Oct. 1994 to current year. Additional gage-height and discharge records are available from the National Weather Service and the U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Elevation of gage is 300.00 ft above sea level, from U.S. Army Corps of Engineers levels. Prior to Jan. 1984 at site of old Highway 13 bridge, .3 mi upstream at datum 0.5 ft lower.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1979, reached a stage of 32.20 ft at datum 0.5 ft lower, and a discharge of 122,000 ft³/s.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 28	1530	13,700	20.02	Jan. 25	0245	*19,000	*22.90
Jan. 11	0900	16,700	21.77	Mar. 11	0100	15,100	20.91

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	227	792	4490	8130	5780	9100	2450	2700	739	229	270	147
2	210	874	4450	6590	5500	9240	3300	2160	690	447	236	152
3	197	898	4030	5070	5920	7320	3190	1590	634	404	212	158
4	190	917	3690	3630	5980	5520	2980	1260	566	325	196	153
5	184	915	3330	2720	5310	4850	2530	1060	495	278	186	150
6	181	844	2840	2750	4300	5210	2110	925	677	267	180	148
7	178	748	2390	5590	3560	6400	1850	832	1000	249	175	148
8	175	707	2040	10200	3040	11400	1660	765	941	234	181	146
9	172	645	1800	12600	2670	14300	1560	708	714	231	190	138
10	171	582	1660	15600	2450	15000	1570	674	584	252	190	135
11	171	531	1550	16700	5650	14900	1410	789	501	287	185	136
12	172	496	1400	16400	8640	12800	1260	752	445	542	179	149
13	179	494	1270	16000	9140	10800	1130	686	401	894	173	153
14	197	594	1150	15000	8940	9630	1100	620	373	1550	173	160
15	214	599	1070	13000	7180	8250	1190	586	354	2290	199	167
16	246	548	1100	11200	6810	6630	1140	541	422	2740	364	166
17	244	516	1220	9950	8640	7190	1210	506	577	2670	390	157
18	229	483	1260	8550	9610	9290	1700	478	573	2250	333	153
19	218	463	1200	7000	9570	9510	4560	453	491	1740	277	149
20	212	440	1100	6130	8670	9100	6340	430	418	1350	234	145
21	212	534	1290	5470	7630	7190	7080	411	366	1160	206	144
22	208	1690	3420	8880	7470	5210	7310	396	330	1110	195	144
23	207	2000	4290	14700	8540	4350	5350	381	304	1040	191	142
24	289	1930	7090	17600	8800	3710	4000	371	286	879	186	140
25	474	1740	9740	18600	7870	3040	3390	356	274	750	179	137
26	814	1460	10800	16600	6720	2490	3080	345	264	724	171	135
27	1160	1180	12300	13800	7910	2150	2670	336	253	857	166	132
28	1320	994	13500	12200	8850	1960	2310	328	244	775	158	122
29	1270	1770	12800	11100	---	1830	2610	439	240	599	153	119
30	1170	3890	11000	9450	---	1650	2760	787	235	428	150	122
31	988	---	9530	7470	---	1560	---	828	---	323	148	---
TOTAL	12079	30274	138800	328680	191150	221580	84800	23493	14391	27874	6426	4347
MEAN	390	1009	4477	10600	6827	7148	2827	758	480	899	207	145
MAX	1320	3890	13500	18600	9610	15000	7310	2700	1000	2740	390	167
MIN	171	440	1070	2720	2450	1560	1100	328	235	229	148	119
MED	212	770	2840	10200	7330	7190	2490	620	434	724	186	147
CFSM	.20	.51	2.26	5.35	3.45	3.61	1.43	.38	.24	.45	.10	.07
IN.	.23	.57	2.61	6.17	3.59	4.16	1.59	.44	.27	.52	.12	.08

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 1998, BY WATER YEAR (WY)

	MEAN	249	739	2046	4919	6180	5634	4362	2321	1094	1163	616	317
MAX	940	4421	8928	14570	12920	10310	11520	9072	4860	9383	2233	1395	1950
(WY)	1995	1949	1949	1949	1946	1944	1938	1953	1997	1940	1946	1950	1950
MIN	50.0	70.0	250	624	1190	2361	1460	435	180	158	90.3	85.5	85.5
(WY)	1944	1937	1939	1940	1943	1940	1942	1941	1941	1952	1943	1952	1952

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1937 - 1998

ANNUAL TOTAL	1276335	1083894	2451
ANNUAL MEAN	3497	2970	4843
HIGHEST ANNUAL MEAN			989
LOWEST ANNUAL MEAN			1952
HIGHEST DAILY MEAN	17400	Apr 30	45500
LOWEST DAILY MEAN	171	Oct 10	40
ANNUAL SEVEN-DAY MINIMUM	174	Oct 7	130
INSTANTANEOUS PEAK FLOW			19000
INSTANTANEOUS PEAK STAGE			22.90
INSTANTANEOUS LOW FLOW			114
ANNUAL RUNOFF (CFSM)	1.77	1.50	1.24
ANNUAL RUNOFF (INCHES)	23.97	20.35	16.81
10 PERCENT EXCEEDS	9690	9260	6720
50 PERCENT EXCEEDS	1580	925	840
90 PERCENT EXCEEDS	230	171	131

PEARL RIVER BASIN

02483500 PEARL RIVER NEAR LENA , MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.63	6.13	11.97	15.83	13.44	16.70	9.19	9.61	5.84	4.47	4.89	4.36
2	4.57	6.32	11.93	14.30	13.15	16.82	10.46	8.75	5.72	5.19	4.77	4.37
3	4.52	6.37	11.41	12.65	13.60	15.03	10.31	7.70	5.57	5.08	4.68	4.40
4	4.49	6.41	10.97	10.89	13.67	13.16	10.02	7.03	5.38	4.84	4.62	4.38
5	4.48	6.39	10.50	9.64	12.93	12.40	9.36	6.60	5.18	4.69	4.57	4.36
6	4.47	6.21	9.82	9.68	11.74	12.82	8.67	6.29	5.68	4.66	4.54	4.35
7	4.45	5.97	9.13	13.13	10.80	14.08	8.19	6.07	6.47	4.61	4.52	4.35
8	4.45	5.86	8.55	17.60	10.10	18.44	7.83	5.91	6.33	4.56	4.55	4.34
9	4.44	5.68	8.11	19.35	9.56	20.38	7.64	5.76	5.78	4.56	4.59	4.30
10	4.43	5.51	7.85	21.15	9.24	20.80	7.67	5.68	5.44	4.65	4.58	4.29
11	4.42	5.36	7.62	21.74	13.20	20.76	7.35	5.97	5.20	4.78	4.55	4.29
12	4.41	5.25	7.34	21.59	16.30	19.48	7.03	5.87	5.04	5.58	4.53	4.35
13	4.43	5.23	7.06	21.39	16.73	18.06	6.76	5.71	4.90	6.50	4.51	4.38
14	4.50	5.51	6.81	20.82	16.56	17.15	6.70	5.53	4.81	7.91	4.50	4.41
15	4.56	5.51	6.62	19.58	14.91	15.94	6.88	5.44	4.75	9.08	4.61	4.44
16	4.67	5.36	6.69	18.38	14.53	14.35	6.77	5.32	4.96	9.71	5.17	4.43
17	4.65	5.26	6.95	17.41	16.29	14.90	6.92	5.22	5.42	9.62	5.27	4.40
18	4.59	5.16	7.03	16.21	17.13	16.86	7.88	5.13	5.42	9.06	5.08	4.38
19	4.54	5.09	6.91	14.73	17.10	17.05	12.03	5.06	5.20	8.29	4.89	4.36
20	4.50	5.02	6.70	13.82	16.32	16.70	14.05	4.99	4.99	7.58	4.73	4.35
21	4.50	5.28	7.07	13.11	15.36	14.91	14.81	4.93	4.84	7.18	4.62	4.35
22	4.48	7.88	10.60	16.38	15.20	12.82	15.04	4.88	4.73	7.09	4.57	4.35
23	4.46	8.48	11.74	20.62	16.20	11.81	12.96	4.84	4.66	6.94	4.56	4.34
24	4.75	8.34	14.79	22.21	16.44	11.00	11.37	4.81	4.61	6.58	4.54	4.33
25	5.33	7.99	17.23	22.69	15.59	10.09	10.58	4.76	4.57	6.28	4.51	4.32
26	6.23	7.45	18.09	21.70	14.44	9.29	10.16	4.72	4.55	6.22	4.47	4.31
27	7.02	6.86	19.12	20.10	15.61	8.75	9.56	4.69	4.52	6.56	4.44	4.30
28	7.34	6.45	19.94	19.07	16.48	8.40	9.02	4.67	4.50	6.37	4.41	4.26
29	7.23	7.92	19.46	18.31	---	8.16	9.47	5.01	4.49	5.91	4.39	4.24
30	7.02	11.23	18.19	16.99	---	7.82	9.70	5.96	4.48	5.42	4.38	4.26
31	6.60	---	17.07	15.19	---	7.64	---	6.06	---	5.08	4.37	---
MEAN	5.01	6.38	11.07	17.30	14.38	14.28	9.48	5.77	5.13	6.29	4.63	4.35
MAX	7.34	11.23	19.94	22.69	17.13	20.80	15.04	9.61	6.47	9.71	5.27	4.44
MIN	4.41	5.02	6.62	9.64	9.24	7.64	6.70	4.67	4.48	4.47	4.37	4.24
MED	4.52	6.05	9.82	17.60	15.06	14.90	9.27	5.53	5.01	6.22	4.56	4.35

PEARL RIVER BASIN

97

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)
Dec. 25	0200	*4,220	*13.60	Mar. 8	2200	4,020	13.46
Jan. 10	0200	3,830	13.33				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	333	1760	226	273	542	521	135	77	16	26	16
2	18	600	644	189	458	363	423	109	50	16	24	15
3	17	270	317	171	619	286	298	83	39	16	22	14
4	17	133	412	161	540	240	283	70	35	16	21	13
5	21	86	323	313	384	273	207	63	37	16	20	13
6	17	97	221	600	290	582	164	58	245	17	19	14
7	15	104	165	1770	238	977	137	56	252	16	20	12
8	15	89	155	3390	209	3200	118	55	117	16	26	11
9	15	77	187	3470	190	3680	104	52	60	16	32	11
10	14	67	231	3640	219	3760	93	118	45	15	26	10
11	15	61	250	2540	1770	2620	83	154	38	26	23	11
12	14	60	187	1050	2760	835	77	80	34	38	21	14
13	25	73	147	690	2260	379	72	59	31	760	20	17
14	48	86	134	513	1580	319	72	50	29	829	19	17
15	63	82	149	445	494	275	75	46	33	873	19	15
16	33	73	173	927	1150	248	71	44	42	611	33	13
17	23	65	164	1190	2280	1170	96	42	36	319	27	13
18	20	59	139	898	2300	2070	232	42	30	108	22	13
19	19	72	114	543	2200	1870	957	40	27	51	19	12
20	18	74	101	411	1620	1630	945	37	26	37	18	12
21	20	185	220	356	566	1380	443	35	24	31	17	12
22	32	455	547	1430	568	640	271	34	22	38	16	12
23	26	301	649	2570	1270	379	228	32	21	32	17	12
24	659	179	2940	2090	1470	300	180	30	20	140	16	12
25	573	120	3990	1420	811	252	136	30	20	713	15	12
26	986	92	3640	526	532	220	103	29	19	429	14	11
27	953	82	3060	890	1030	199	87	29	18	144	14	11
28	347	77	1460	850	1050	179	106	27	17	55	15	11
29	142	1390	486	507	---	164	142	203	16	39	14	10
30	81	2520	400	381	---	149	133	485	16	34	22	10
31	76	---	306	304	---	153	---	194	---	30	19	---
TOTAL	4342	7962	23671	34461	29131	29334	6857	2521	1476	5497	636	379
MEAN	140	265	764	1112	1040	946	229	81.3	49.2	177	20.5	12.6
MAX	986	2520	3990	3640	2760	3760	957	485	252	873	33	17
MIN	14	59	101	161	190	149	71	27	16	15	14	10
CFSM	.46	.88	2.52	3.67	3.43	3.12	.75	.27	.16	.59	.07	.04
IN.	.53	.98	2.91	4.23	3.58	3.60	.84	.31	.18	.67	.08	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 1998, BY WATER YEAR (WY)

	MEAN	85.2	259	571	841	987	959	791	436	171	173	73.5	67.3
MAX	748	1694	3640	3010	2318	3132	3818	2756	1322	1241	492	687	
(WY)	1976	1980	1983	1974	1951	1980	1979	1991	1997	1989	1975	1979	
MIN	5.28	15.3	43.5	49.4	173	177	50.4	20.6	11.5	17.0	3.95	4.56	
(WY)	1944	1954	1944	1956	1986	1966	1967	1963	1988	1996	1943	1954	

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1938 - 1998

	230291	146267	
ANNUAL TOTAL	230291	146267	
ANNUAL MEAN	631	401	449
HIGHEST ANNUAL MEAN			1217
LOWEST ANNUAL MEAN			90.6
HIGHEST DAILY MEAN	7420	Jun 11	34300
LOWEST DAILY MEAN	14	Oct 10	2.3
ANNUAL SEVEN-DAY MINIMUM	15	Oct 6	2.4
INSTANTANEOUS PEAK FLOW			40700
INSTANTANEOUS PEAK STAGE			23.06
INSTANTANEOUS LOW FLOW			2.3
ANNUAL RUNOFF (CFSM)	2.08	1.32	1.48
ANNUAL RUNOFF (INCHES)	28.27	17.96	20.12
10 PERCENT EXCEEDS	2300	1180	1230
50 PERCENT EXCEEDS	175	93	95
90 PERCENT EXCEEDS	23	15	14

a Also occurred on Sept. 10,11,28,29,30.

PEARL RIVER BASIN

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,700 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 28	0030	2,840	18.27	Jan. 23	0830	*3,430	*18.60
Jan. 12	2145	2,940	18.45	Mar. 11	0915	2,820	18.23

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	44	299	1130	991	989	1180	592	204	282	29	130	29
2	38	272	1400	632	1140	1160	460	191	251	28	113	42
3	35	367	1560	453	1150	1050	474	183	146	32	100	37
4	33	476	1500	342	1010	768	518	161	96	31	90	31
5	31	521	1120	317	946	577	507	136	78	30	82	28
6	31	375	675	368	951	623	430	118	92	30	77	27
7	31	224	495	1350	876	892	355	109	85	30	71	26
8	33	189	402	1970	737	2330	289	101	190	31	66	25
9	30	176	315	2030	616	2690	259	94	224	33	62	24
10	29	155	279	2340	546	2680	229	94	165	33	72	23
11	30	136	276	2610	1450	2800	203	88	109	43	80	21
12	30	124	287	2810	1670	2740	185	122	82	107	74	24
13	32	117	292	2800	1610	2480	168	150	69	208	65	28
14	42	116	264	2270	1950	1860	171	113	60	653	61	27
15	46	127	234	1660	2130	1160	166	92	55	1200	63	29
16	74	130	234	1300	2120	685	159	80	63	1090	88	30
17	83	127	255	1140	2130	1110	159	73	76	1500	90	29
18	66	118	271	1040	1850	1320	208	68	83	1390	93	26
19	51	108	262	1090	1840	1200	669	64	70	943	79	25
20	45	101	232	1150	1950	1420	655	61	57	572	65	24
21	42	189	251	1060	1900	1560	702	59	50	266	55	24
22	42	306	419	2240	1840	1480	856	55	47	178	49	23
23	43	312	491	3220	1930	1350	856	52	44	143	44	22
24	94	417	1480	2670	1540	1170	626	49	42	136	42	21
25	120	444	1870	2650	1300	837	402	48	39	184	39	21
26	297	351	2090	2520	1350	573	286	46	37	220	38	20
27	375	231	2640	2300	1600	443	221	44	35	361	36	20
28	554	176	2810	2010	1430	376	198	43	33	447	34	20
29	717	560	2640	1620	---	331	184	156	32	435	32	20
30	760	1030	2230	1440	---	299	192	177	30	249	31	19
31	551	---	1610	1250	---	320	---	228	---	162	30	---
TOTAL	4429	8274	30014	51643	40551	39464	11379	3259	2722	10794	2051	765
MEAN	143	276	968	1666	1448	1273	379	105	90.7	348	66.2	25.5
MAX	760	1030	2810	3220	2130	2800	856	228	282	1500	130	42
MIN	29	101	232	317	546	299	159	43	30	28	30	19
CFSM	.30	.59	2.06	3.55	3.09	2.71	.81	.22	.19	.74	.14	.05
IN.	.35	.66	2.38	4.10	3.22	3.13	.90	.26	.22	.86	.16	.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1998, BY WATER YEAR (WY)

MEAN	124	329	831	1303	1495	1456	1317	746	246	204	121	89.9
MAX	1073	2132	5617	5142	3433	4278	6209	3690	1234	1461	719	1100
(WY)	1976	1980	1983	1974	1946	1980	1979	1983	1997	1989	1975	1979
MIN	10.6	17.5	50.0	62.8	251	344	108	45.6	18.4	22.0	9.20	7.46
(WY)	1956	1954	1944	1956	1986	1966	1963	1953	1988	1952	1954	1954

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1944 - 1998
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ANNUAL TOTAL	271423		205345			
ANNUAL MEAN	744		563		685	
HIGHEST ANNUAL MEAN					1868	1983
LOWEST ANNUAL MEAN					131	1963
HIGHEST DAILY MEAN	5350	Jan 29	3220	Jan 23	40900	Apr 15 1979
LOWEST DAILY MEAN	19	Sep 17	19	Sep 30	5.3	Aug 20 1954
ANNUAL SEVEN-DAY MINIMUM	19	Sep 17	20	Sep 24	6.3	Sep 7 1954
INSTANTANEOUS PEAK FLOW			3430	Jan 23	46500	Apr 14 1979
INSTANTANEOUS PEAK STAGE			18.60	Jan 23	28.27	Apr 14 1979
INSTANTANEOUS LOW FLOW			19	Sep 30	4.9	Aug 20 1954
ANNUAL RUNOFF (CFSM)	1.59		1.20		1.46	
ANNUAL RUNOFF (INCHES)	21.53		16.29		19.83	
10 PERCENT EXCEEDS	2210		1840		1840	
50 PERCENT EXCEEDS	312		198		179	
90 PERCENT EXCEEDS	37		30		27	

PEARL RIVER BASIN

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02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.66	8.49	13.09	12.45	11.47	13.08	10.13	7.62	8.32	5.27	6.33	5.15
2	5.54	8.28	14.20	10.65	12.09	13.03	9.26	7.51	8.05	5.24	6.14	5.44
3	5.47	9.00	14.81	9.57	12.12	12.64	9.33	7.45	7.04	5.33	5.98	5.35
4	5.42	9.73	14.57	8.82	11.50	11.32	9.61	7.23	6.44	5.31	5.86	5.23
5	5.38	10.01	13.01	8.63	11.16	10.33	9.56	6.97	6.18	5.30	5.76	5.17
6	5.37	9.04	10.88	9.01	11.16	10.61	9.08	6.76	6.37	5.28	5.69	5.15
7	5.38	7.86	9.85	13.85	10.78	11.88	8.57	6.65	6.28	5.29	5.62	5.15
8	5.42	7.54	9.24	16.19	10.05	17.11	8.08	6.54	7.48	5.31	5.55	5.13
9	5.35	7.40	8.62	16.37	9.37	17.97	7.85	6.45	7.81	5.37	5.50	5.12
10	5.33	7.19	8.33	17.21	8.93	17.96	7.60	6.44	7.24	5.35	5.68	5.09
11	5.34	6.97	8.31	17.80	13.05	18.20	7.37	6.35	6.60	5.56	5.80	5.04
12	5.36	6.83	8.40	18.21	14.00	18.08	7.21	6.78	6.23	5.66	5.72	5.11
13	5.41	6.75	8.44	18.18	13.84	17.52	7.06	7.13	6.03	7.44	5.60	5.22
14	5.61	6.74	8.21	17.01	15.04	15.80	7.09	6.69	5.88	10.68	5.54	5.19
15	5.68	6.87	7.96	15.14	15.63	13.20	7.06	6.41	5.79	13.38	5.59	5.26
16	6.17	6.91	7.95	13.79	15.66	10.94	6.99	6.24	5.94	12.89	5.98	5.28
17	6.30	6.88	8.14	13.15	15.74	12.93	7.01	6.13	6.13	14.58	6.03	5.25
18	6.04	6.77	8.27	12.68	14.94	13.87	7.46	6.05	6.24	14.13	6.08	5.20
19	5.79	6.63	8.19	12.92	15.00	13.37	10.73	5.98	6.05	12.17	5.90	5.15
20	5.66	6.54	7.93	13.16	15.41	14.26	10.66	5.93	5.83	9.73	5.69	5.15
21	5.61	7.40	8.08	12.77	15.29	14.81	10.95	5.91	5.70	7.59	5.53	5.14
22	5.61	8.52	9.36	16.37	15.16	14.49	11.82	5.84	5.64	6.80	5.43	5.11
23	5.62	8.58	9.80	18.23	15.49	14.00	11.82	5.78	5.59	6.44	5.36	5.08
24	6.44	9.34	14.43	17.15	14.19	13.27	10.51	5.72	5.55	6.36	5.33	5.07
25	6.77	9.53	15.89	17.09	13.32	11.70	9.11	5.70	5.49	6.86	5.28	5.06
26	8.47	8.87	16.55	16.77	13.58	10.18	8.27	5.66	5.44	7.19	5.26	5.05
27	9.05	7.92	17.85	16.26	14.60	9.34	7.73	5.62	5.41	8.34	5.25	5.05
28	10.20	7.41	18.21	15.44	14.00	8.85	7.53	5.60	5.37	8.92	5.21	5.05
29	11.12	7.00	17.87	14.09	---	8.49	7.41	7.01	5.33	8.84	5.19	5.04
30	11.35	12.66	16.92	13.42	---	8.22	7.50	7.36	5.30	7.46	5.17	5.03
31	10.16	---	14.96	12.62	---	8.34	---	7.85	---	6.67	5.15	---
MEAN	6.52	8.09	11.56	14.35	13.31	13.09	8.68	6.50	6.22	7.79	5.62	5.15
MAX	11.35	12.66	18.21	18.23	15.74	18.20	11.82	7.85	8.32	14.58	6.33	5.44
MIN	5.33	6.54	7.93	8.63	8.93	8.22	6.99	5.60	5.30	5.24	5.15	5.03

PEARL RIVER BASIN

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 discharges: Jan. 13-17, 23-25. Occasional backwater from the Pearl River. Records good except for estimated daily discharges, which are poor. Statistics shown below are for water years 1981 to current year, except for instantaneous extremes, which are shown for the entire period of record at the present datum. Telemeter and satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,800 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 22	0600	2,190	15.37	Aug. 7	0015	2,260	15.51
Jul. 14	1630	*2,610	*16.20				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.28	3.9	12	3.5	214	6.8	4.4	.76	.43	.30	.17	.06
2	.21	1.9	6.6	2.7	142	4.5	2.8	.51	.38	.33	.16	.05
3	.17	.87	24	2.3	35	3.5	2.3	.43	.36	5.0	.14	.04
4	.17	.81	17	4.3	15	3.4	2.0	.47	.36	2.4	.12	.03
5	.17	.84	7.7	134	6.4	8.5	2.0	.45	84	1.0	.10	.03
6	.18	3.9	6.9	156	3.6	6.0	1.8	.40	76	8.2	.81	.03
7	.14	2.0	6.3	508	2.6	629	1.7	.52	2.2	3.7	384	.04
8	.21	1.6	28	44	2.1	232	3.1	.57	.75	1.3	.21	.04
9	.21	2.1	14	21	2.5	20	2.3	.43	.46	5.7	4.2	.05
10	.18	2.8	19	9.4	74	9.7	1.5	.39	.33	5.4	.92	.04
11	.19	1.4	13	4.2	142	5.4	1.5	.62	.31	4.3	.43	.24
12	.18	26	8.0	186	16	4.0	1.6	.49	.28	8.8	.70	65
13	9.5	15	7.5	e35	8.5	3.3	1.5	.48	.26	5.0	.59	2.7
14	4.6	5.4	29	e21	5.1	2.9	4.8	.57	.23	325	.42	.40
15	.70	5.3	34	e14	20	2.9	1.9	.56	.67	12	3.7	.18
16	.41	3.5	33	e8.6	166	32	2.3	.58	1.1	1.6	4.0	.12
17	.31	2.9	31	e5.2	137	437	2.2	.58	.45	.81	.45	.09
18	.38	3.1	21	3.9	18	20	33	.60	.34	.50	.28	.07
19	.36	4.7	13	3.0	9.8	15	13	.60	.31	.40	.18	.07
20	.35	3.6	9.4	2.1	6.1	12	3.5	.58	.26	.37	.15	.06
21	5.8	53	94	165	4.2	4.7	2.1	.58	.23	.39	.12	.06
22	2.8	41	35	922	230	2.8	2.3	.68	.24	3.3	.09	.06
23	2.0	13	402	e570	39	2.1	1.5	.71	.30	1.8	.50	.18
24	77	7.0	314	e140	15	1.6	1.4	.78	.30	.73	.52	.38
25	10	5.0	29	e44	8.9	1.7	1.0	.79	.28	6.8	.19	.24
26	27	4.3	15	18	102	2.0	.61	.76	.58	3.7	.14	.05
27	3.9	4.0	18	143	29	2.4	.55	.85	.40	.61	.11	.04
28	1.7	9.9	11	18	13	2.3	46	4.0	.27	.34	.09	.03
29	.92	154	24	8.8	---	2.1	3.2	124	.26	.25	.09	.03
30	.65	32	11	4.9	---	1.9	1.2	5.1	.28	.23	.08	.04
31	.66	---	5.7	3.0	---	9.4	---	.83	---	.20	.08	---
TOTAL	151.33	414.82	1299.1	3204.9	1466.8	1490.9	149.06	149.67	172.62	410.46	504.72	70.45
MEAN	4.88	13.8	41.9	103	52.4	48.1	4.97	4.83	5.75	13.2	16.3	2.35
MAX	77	154	402	922	230	629	46	124	84	325	384	65
MIN	.14	.81	5.7	2.1	2.1	1.6	.55	.39	.23	.20	.08	.03
CFSM	.29	.82	2.49	6.15	3.12	2.86	.30	.29	.34	.79	.97	.14
IN.	.34	.92	2.88	7.10	3.25	3.30	.33	.33	.38	.91	1.12	.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 1998, BY WATER YEAR (WY)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
MEAN	10.6	23.9	35.0	45.7	48.5	38.2	42.2	17.2	11.4	11.5	9.22	4.16						
MAX	57.3	95.6	201	146	142	71.4	159	49.5	39.8	35.9	31.1	12.2						
(WY)	1986	1990	1983	1994	1994	1983	1983	1990	1997	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 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1981 - 1998

ANNUAL TOTAL	10090.37	9484.83	
ANNUAL MEAN	27.6	26.0	24.6
HIGHEST ANNUAL MEAN			57.5
LOWEST ANNUAL MEAN			11.1
HIGHEST DAILY MEAN	1050	922	1780
LOWEST DAILY MEAN	.09	.03	.01
ANNUAL SEVEN-DAY MINIMUM	.16	.04	.04
INSTANTANEOUS PEAK FLOW		2610	5320
INSTANTANEOUS PEAK STAGE		16.20	27.37
INSTANTANEOUS LOW FLOW		.02	.01
ANNUAL RUNOFF (CFSM)	1.65	1.55	1.47
ANNUAL RUNOFF (INCHES)	22.34	21.00	19.94
10 PERCENT EXCEEDS	52	42	39
50 PERCENT EXCEEDS	2.6	2.3	2.3
90 PERCENT EXCEEDS	.39	.17	.32

e Estimated

PEARL RIVER BASIN

101

02485700 HANGING MOSS CREEK AT JACKSON, MS

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.83	8.19	8.43	8.28	9.56	8.66	8.62	8.36	8.14	7.88	7.82	7.79
2	7.77	8.12	8.25	8.21	9.99	8.52	8.50	8.27	8.11	7.90	7.80	7.76
3	7.72	7.90	8.64	8.17	9.27	8.44	8.45	8.24	8.09	8.28	7.79	7.71
4	7.72	7.87	8.58	8.22	8.93	8.43	8.42	8.26	8.09	8.36	7.76	7.68
5	7.73	7.85	8.32	9.85	8.63	8.65	8.43	8.27	8.91	8.15	7.74	7.70
6	7.74	8.21	8.30	9.69	8.45	8.62	8.41	8.24	9.46	8.36	8.11	7.66
7	7.68	8.05	8.27	11.02	8.35	11.33	8.39	8.31	8.49	8.46	10.65	7.72
8	7.76	7.97	8.81	9.31	8.29	10.13	8.53	8.34	8.23	8.17	9.14	7.75
9	7.77	8.02	8.56	8.97	8.34	9.04	8.49	8.27	8.11	8.13	8.65	7.77
10	7.74	8.05	8.70	8.67	8.76	8.78	8.39	8.24	8.03	8.52	8.24	7.77
11	7.75	7.88	8.55	8.41	9.81	8.58	8.40	8.34	8.01	8.47	8.08	7.93
12	7.73	8.68	8.39	9.99	8.97	8.49	8.42	8.28	7.98	8.61	8.16	9.49
13	8.25	8.58	8.38	---	8.73	8.42	8.40	8.27	7.96	8.48	8.15	8.66
14	8.47	8.23	8.88	---	8.56	8.38	8.74	8.31	7.93	10.11	8.08	8.21
15	8.04	8.19	8.97	---	8.77	8.39	8.48	8.30	8.01	8.78	8.34	8.05
16	7.91	8.04	8.98	---	9.89	8.56	8.51	8.30	8.27	8.21	8.61	7.96
17	7.85	7.97	8.95	---	9.80	10.74	8.53	8.30	8.06	8.05	8.11	7.91
18	7.90	7.97	8.79	8.45	9.01	9.06	9.30	8.30	7.99	7.94	8.01	7.87
19	7.89	8.08	8.63	8.38	8.78	8.95	9.08	8.29	7.96	7.90	7.93	7.85
20	7.88	7.99	8.51	8.28	8.62	8.88	8.70	8.28	7.92	7.88	7.89	7.84
21	8.29	8.90	9.55	9.49	8.50	8.56	8.55	8.27	7.89	7.89	7.86	7.84
22	8.37	8.87	9.06	12.32	10.02	8.41	8.59	8.31	7.89	8.24	7.80	7.85
23	8.15	8.41	10.42	---	9.30	8.34	8.48	8.31	7.93	8.26	7.89	8.01
24	9.41	8.20	10.43	---	8.93	8.27	8.47	8.33	7.92	8.08	8.15	8.22
25	8.79	8.10	8.99	---	8.75	8.29	8.38	8.33	7.91	8.48	7.96	8.08
26	9.12	8.06	8.72	8.84	9.50	8.35	8.27	8.31	8.01	8.45	7.91	7.79
27	8.44	8.04	8.79	9.34	9.18	8.41	8.25	8.33	7.96	8.06	7.86	7.76
28	8.18	8.15	8.59	9.01	8.88	8.41	9.34	8.44	7.88	7.94	7.83	7.76
29	8.01	9.85	8.95	8.74	---	8.39	8.73	9.68	7.86	7.88	7.83	7.75
30	7.90	8.81	8.65	8.55	---	8.36	8.47	8.78	7.87	7.86	7.83	7.76
31	7.89	---	8.42	8.39	---	8.70	---	8.30	---	7.84	7.82	---
MEAN	8.05	8.24	8.79	---	9.02	8.76	8.56	8.36	8.10	8.25	8.12	7.93
MAX	9.41	9.85	10.43	---	10.02	11.33	9.34	9.68	9.46	10.11	10.65	9.49
MIN	7.68	7.85	8.25	---	8.29	8.27	8.25	8.24	7.86	7.84	7.74	7.66

PEARL RIVER BASIN

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.--Estimated daily discharges: Jul. 16-22 and Aug. 6-8. Records good except for estimated daily discharges, which are poor. About 48 ft³/s is diverted upstream from station for municipal water supply for City of Jackson, most of which was returned to river and included in discharge records prior to the opening of the City of Jackson Waste Water Treatment Plant at Savannah Street Extension in 1975. Flow regulated since Sept. 27, 1961, by Ross R. Barnett Reservoir, 15 mi upstream. Statistics shown below are for water years 1962 to current year except instantaneous extremes, which are shown for the entire period of record. Satellite telemeter and National Weather Service telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--According to information by local residents and from newspaper records, the flood of Apr. 25, 1874, reached a stage of 37 ft and the flood of Dec. 5, 1880, reached a stage of 36 1/2 ft, at former site and datum. The flood of Apr. 21, 1900, reached a stage of 36.7 ft, according to the Alabama and Vicksburg Railroad plans confirmed by local residents.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	416	1770	5580	11500	12900	11400	2530	2060	303	501	536	294
2	412	1730	6180	10200	13600	11500	4160	1270	295	443	639	289
3	415	1350	5590	8700	12800	10400	4070	1810	295	379	429	280
4	426	1200	4980	7150	11000	9050	3920	2060	297	381	362	249
5	426	1190	4140	6610	8880	7970	4260	1150	529	330	356	241
6	436	1580	3810	5690	7320	6770	3460	1010	1890	372	e370	240
7	432	1710	3280	11600	6200	8650	2680	881	441	409	e400	249
8	441	1380	2840	14600	5090	16700	2150	1220	353	336	e380	240
9	436	1250	2270	16000	4010	18000	1860	1460	332	321	372	238
10	444	1240	2210	17000	3590	19000	1090	502	331	460	314	251
11	459	1240	2090	15500	5470	18200	1020	341	323	474	318	263
12	465	1340	1710	16500	7530	17400	1350	329	326	685	366	1270
13	634	1740	1670	19700	10600	15700	1520	340	326	513	360	550
14	1330	1300	1720	21600	12000	14600	2370	348	320	1220	335	304
15	1100	1200	1720	21100	12200	13500	2190	367	399	2720	463	278
16	840	1160	1720	18200	12500	12200	2130	384	424	e3100	468	265
17	834	1080	1690	15300	13800	14600	2760	400	337	e3500	361	262
18	835	930	1650	12800	13100	15200	3310	407	319	e3700	323	257
19	845	934	1650	10400	11900	14400	6570	367	319	e3200	304	259
20	849	923	1640	8910	11000	14100	6930	331	324	e2900	282	260
21	876	1350	2700	9950	10900	13300	6660	300	325	e2600	286	259
22	911	1800	3680	20400	11800	11600	6640	305	320	e2200	285	250
23	846	2560	6170	28500	12800	9540	6720	302	322	1930	289	252
24	1630	2460	14500	30400	13300	7340	6450	303	315	767	322	247
25	1320	2120	15300	25900	13100	5610	5500	302	314	2020	290	247
26	2150	1930	16000	21700	12200	4290	4530	295	323	2340	285	245
27	2160	1840	15900	22600	11700	3380	3640	296	319	756	282	244
28	1610	1640	14000	20400	10800	2750	4620	289	316	644	281	273
29	1390	4230	12700	18000	---	2170	4660	1170	314	732	278	305
30	1270	3680	13100	15700	---	1690	2990	637	304	868	369	228
31	1380	---	12800	14100	---	1410	---	319	---	393	310	---
TOTAL	28019	49857	184990	496710	292090	332420	112740	21555	11655	41194	11015	9089
MEAN	904	1662	5967	16020	10430	10720	3758	695	389	1329	355	303
MAX	2160	4230	16000	30400	13800	19000	6930	2060	1890	3700	639	1270
MIN	412	923	1640	5690	3590	1410	1020	289	295	321	278	228
CFSM	.29	.52	1.88	5.05	3.29	3.38	1.19	.22	.12	.42	.11	.10
IN.	.33	.58	2.17	5.83	3.43	3.90	1.32	.25	.14	.48	.13	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1998, BY WATER YEAR (WY)

MEAN	1007	2041	5938	8797	9125	9496	9409	4866	1534	1113	925	739
MAX	8174	6663	26640	28310	24940	23560	34330	22880	7278	6454	7996	6790
(WY)	1976	1980	1983	1974	1983	1980	1979	1983	1997	1989	1975	1979
MIN	94.7	85.3	271	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 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1962 - 1998
ANNUAL TOTAL	1832165	1591334	
ANNUAL MEAN	5020	4360	4561
HIGHEST ANNUAL MEAN			12000
LOWEST ANNUAL MEAN			942
HIGHEST DAILY MEAN	25100	30400	126000
LOWEST DAILY MEAN	364	228	45
ANNUAL SEVEN-DAY MINIMUM	383	244	63
INSTANTANEOUS PEAK FLOW		31400	128000
INSTANTANEOUS PEAK STAGE		32.37	43.28
ANNUAL RUNOFF (CFSM)	1.58	1.37	1.44
ANNUAL RUNOFF (INCHES)	21.49	18.67	19.54
10 PERCENT EXCEEDS	13800	13900	13200
50 PERCENT EXCEEDS	2150	1390	1320
90 PERCENT EXCEEDS	432	295	260

e Estimated

PEARL RIVER BASIN

103

02486000 PEARL RIVER AT JACKSON, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.04	7.74	15.44	23.42	24.57	22.45	9.52	8.53	4.49	4.80	5.01	4.13
2	4.00	7.64	16.51	22.19	25.08	22.56	12.86	6.88	4.45	4.75	5.34	4.11
3	3.99	6.39	15.46	20.50	24.42	21.50	12.69	8.01	4.44	4.53	4.67	4.08
4	4.01	5.89	14.37	18.24	22.86	19.99	12.40	8.54	4.44	4.54	4.43	3.95
5	4.00	5.85	12.82	17.31	20.53	18.56	13.05	6.73	5.10	4.35	4.41	3.92
6	4.01	7.16	12.19	15.65	18.30	17.06	11.50	6.48	8.25	4.50	---	3.91
7	3.98	7.58	11.14	23.43	16.31	19.85	9.90	6.25	4.93	4.63	---	3.95
8	3.99	6.48	10.23	25.86	14.30	27.03	8.72	6.93	4.61	4.36	---	3.91
9	3.95	6.04	9.01	26.71	12.27	27.78	8.06	7.38	4.52	4.31	4.45	3.90
10	3.96	6.00	8.87	27.26	11.41	28.23	6.10	5.36	4.51	4.81	4.24	3.95
11	3.99	5.99	8.59	26.41	14.87	27.88	5.92	4.88	4.47	4.86	4.25	4.00
12	4.00	6.33	7.62	26.93	18.32	27.48	6.81	4.79	4.47	5.39	4.43	6.69
13	4.50	7.70	7.51	28.55	22.13	26.51	7.23	4.75	4.46	4.98	4.41	5.00
14	6.57	6.22	7.67	29.32	23.42	25.86	9.23	4.70	4.43	6.63	4.32	4.16
15	5.86	5.89	7.67	29.11	23.56	25.10	8.83	4.69	4.71	9.96	4.76	4.06
16	5.11	5.80	7.66	27.83	23.76	24.01	8.68	4.67	4.79	---	4.79	4.00
17	5.07	5.57	7.57	26.26	24.75	25.27	10.06	4.65	4.46	---	4.41	3.99
18	5.05	5.16	7.46	24.55	24.21	25.57	11.13	4.63	4.38	---	4.26	3.97
19	5.07	5.17	7.46	22.44	23.23	25.14	17.23	4.60	4.37	---	4.19	3.98
20	5.06	5.14	7.44	20.78	22.36	24.91	17.88	4.60	4.38	---	4.10	3.99
21	5.12	6.46	9.82	21.83	22.22	24.37	17.38	4.58	4.38	---	4.12	3.98
22	5.20	7.87	11.94	28.64	23.01	23.07	17.35	4.59	4.35	---	4.12	3.95
23	4.99	9.63	16.21	31.62	23.79	21.07	17.50	4.57	4.35	8.25	4.13	3.95
24	7.33	9.42	25.67	32.13	24.16	18.13	17.00	4.57	4.31	5.68	4.25	3.93
25	6.34	8.66	26.29	30.82	23.94	15.16	15.31	4.55	4.30	8.47	4.12	3.93
26	8.62	8.21	26.73	29.36	23.24	12.80	13.55	4.52	4.33	9.16	4.10	3.92
27	8.73	7.96	26.66	29.72	22.74	11.09	11.87	4.51	4.32	5.66	4.09	3.92
28	7.25	7.36	25.44	28.80	21.97	9.83	13.68	4.47	4.31	5.39	4.09	4.03
29	6.50	12.95	24.43	27.77	---	8.60	13.78	6.57	4.29	5.64	4.08	4.16
30	6.10	11.93	24.79	26.55	---	7.50	10.53	5.53	4.25	5.93	4.40	3.85
31	6.48	---	24.55	25.45	---	6.86	---	4.56	---	4.54	4.20	---
MEAN	5.25	7.21	14.36	25.66	21.28	20.68	11.86	5.52	4.60	---	---	4.11
MAX	8.73	12.95	26.73	32.13	25.08	28.23	17.88	8.54	8.25	---	---	6.69
MIN	3.95	5.14	7.44	15.65	11.41	6.86	5.92	4.47	4.25	---	---	3.85

02487500 STRONG RIVER AT D'LO, MS

LOCATION.--Lat 31°58'39", long 89°53'53", in SW1/4 sec.28, T.2 N., R.4 E., Choctaw Meridian, Simpson County, Hydrologic Unit 03180002, on left bank at downstream side of bridge on U.S. Highway 49, 460 ft upstream from Illinois Central Railroad bridge, 0.2 mi south of D'Lo, 1,500 ft downstream from Sellers Creek, 1.6 mi upstream from Dabbs Creek, and 2 mi northwest of Mendenhall.

DRAINAGE AREA.--425 mi².

PERIOD OF RECORD.--August 1928 to September 1970; Oct. 1970 to Sept. 1993 (annual peaks only), Oct. 1993 to current year. Monthly discharge only for some periods, published in WSP 1304.

REVISED RECORDS.--WSP 697: 1929. WSP 872: Drainage area. WSP 1504: 1932-34, 1938, 1949-50(M). WDR MS-80-1: Drainage Area.

GAGE.--Water-stage recorder. Datum of gage is 257.99 ft above sea level (U. S. Army Corps of Engineers bench mark). Prior to Oct. 19, 1938, nonrecording gage at site 700 ft upstream at datum 5.0 ft higher.

REMARKS.--No estimated daily discharges. Records good. Statistics shown below are for water years 1929 to 1970 and 1994 through the current year, except instantaneous extremes which are shown for the entire period of record. Satellite telemeter and National Weather Service telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 25	1215	6,300	21.04	Feb. 27	2145	5,340	19.20
Jan. 8	1630	8,130	23.66	Mar. 8	2345	8,300	23.87
Jan. 24	1145	*12,400	*27.61	Mar. 18	1100	5,540	19.65
Feb. 12	1000	5,170	18.	Apr. 19	1915	5,340	19.21

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	87	1190	511	614	3100	1020	872	116	50	58	75
2	51	85	551	410	1480	1680	1330	608	111	104	54	85
3	49	86	275	357	1890	723	1170	415	108	165	51	58
4	46	110	233	326	1710	560	695	320	104	122	51	48
5	46	92	223	408	1040	480	514	262	104	92	50	47
6	45	77	188	667	685	451	413	226	1210	99	49	45
7	45	68	154	5210	533	2290	344	208	737	79	73	43
8	44	63	141	7840	456	7270	300	190	347	66	59	43
9	46	59	142	6570	405	7400	274	171	190	62	54	41
10	44	58	167	5010	415	5080	259	155	132	98	53	38
11	44	62	170	2340	3700	2740	233	149	104	323	105	41
12	43	134	167	1810	4980	849	213	139	88	668	492	113
13	51	242	146	2820	3530	635	195	130	80	246	182	140
14	110	259	130	2060	2390	544	183	124	74	397	184	90
15	75	194	142	1420	873	485	190	119	71	511	105	68
16	65	136	154	1640	976	444	206	116	76	286	90	69
17	65	101	188	1400	2570	3670	212	113	82	287	165	60
18	57	84	195	974	2760	5350	1580	110	105	152	157	52
19	51	80	175	1090	1770	4190	5070	109	109	101	92	52
20	49	76	151	878	898	3390	4300	108	83	81	74	52
21	47	74	770	708	622	1410	2610	108	71	71	62	53
22	56	83	2710	4660	773	775	1480	108	66	67	55	53
23	53	153	2770	10100	1900	595	577	107	62	67	51	50
24	143	171	5350	11900	1710	505	426	106	59	91	49	46
25	151	125	6120	8040	1080	439	346	105	56	88	47	46
26	384	95	5010	2800	1680	385	288	105	57	153	46	46
27	920	77	4090	1760	4960	354	255	105	54	303	45	42
28	439	69	2230	2130	4660	330	1420	104	52	138	42	43
29	191	566	1350	1640	---	309	2680	115	51	98	40	51
30	118	1490	929	972	---	289	1430	122	49	76	40	51
31	94	---	683	708	---	336	---	118	---	65	41	---
TOTAL	3676	5056	36894	89159	51060	57058	30213	5847	4608	5206	2716	1741
MEAN	119	169	1190	2876	1824	1841	1007	189	154	168	87.6	58.0
MAX	920	1490	6120	11900	4980	7400	5070	872	1210	668	492	140
MIN	43	58	130	326	405	289	183	104	49	50	40	38
CFSM	.28	.40	2.80	6.77	4.29	4.33	2.37	.44	.36	.40	.21	.14
IN.	.32	.44	3.23	7.80	4.47	4.99	2.64	.51	.40	.46	.24	.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 1998, BY WATER YEAR (WY)

	MEAN	96.5	308	534	984	1246	1241	1060	519	192	265	128	93.0
MAX	843	2214	3150	3321	2747	2758	3909	2695	1020	2853	508	450	
(WY)	1965	1949	1933	1937	1950	1935	1938	1953	1997	1940	1938	1958	
MIN	17.8	23.7	65.3	63.5	223	175	94.9	36.7	46.2	30.9	29.2	20.3	
(WY)	1964	1937	1934	1934	1957	1955	1963	1963	1960	1937	1943	1954	

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1929 - 1998
ANNUAL TOTAL	337995	293234	
ANNUAL MEAN	926	803	552
HIGHEST ANNUAL MEAN			1090
LOWEST ANNUAL MEAN			198
HIGHEST DAILY MEAN	14700	11900	20900
LOWEST DAILY MEAN	43	38	16
ANNUAL SEVEN-DAY MINIMUM	44	43	16
INSTANTANEOUS PEAK FLOW		12400	26400
INSTANTANEOUS PEAK STAGE		27.61	33.48
ANNUAL RUNOFF (CFSM)	2.18	1.89	1.30
ANNUAL RUNOFF (INCHES)	29.58	25.67	17.64
10 PERCENT EXCEEDS	2680	2460	1500
50 PERCENT EXCEEDS	289	154	125
90 PERCENT EXCEEDS	57	50	33

PEARL RIVER BASIN

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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.--No estimated daily discharges. 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)
Dec. 25	1730	26,300	24.70	Feb. 27	1945	23,400	23.35
Jan. 8	1700	30,700	26.88	Mar. 9	1415	31,000	26.99
Jan. 26	0215	*40,600	*30.02	Mar. 18	1345	28,200	25.68
Feb. 18	0600	22,600	22.94	Apr. 19	2130	20,600	21.87

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	752	1640	6970	15100	22200	19800	7310	6750	1000	662	1370	830
2	676	1920	7250	14100	21100	16400	7450	4540	725	951	991	910
3	660	2400	7560	12700	21500	14200	7140	3180	666	2070	940	667
4	645	2080	7180	11100	20300	12900	6510	2770	640	1310	1060	584
5	637	1680	6530	9770	17600	11600	5750	3180	633	1030	900	541
6	640	1480	5620	9760	14000	10200	5780	2500	2060	833	748	503
7	634	1480	5030	25100	10900	11900	4970	1920	4780	764	722	494
8	632	1940	4500	30500	8770	28200	3960	1750	2790	835	2210	486
9	618	2000	4040	29900	7200	30800	3170	1690	1620	786	2090	463
10	614	1680	3400	27900	5850	30200	2670	2120	1240	759	1210	453
11	599	1520	3170	25500	14700	28200	1930	1740	1070	1010	883	445
12	596	1500	3020	24300	17700	25300	1350	1160	966	2080	861	612
13	634	1580	2550	25400	16100	23000	1460	975	910	4230	1250	1710
14	775	2220	2320	24600	15200	21400	1700	901	876	3870	1190	1990
15	1330	2310	2370	24600	14800	19800	2580	870	847	2290	1170	1080
16	1640	1780	2480	25700	15600	18200	2930	839	836	3820	1470	714
17	1280	1550	2530	25400	20800	24000	2700	830	960	3980	2450	614
18	1060	1460	2540	23600	22400	28000	8260	809	985	4350	1550	556
19	998	1380	2420	20800	20300	27200	20000	786	888	4320	1160	531
20	980	1290	2340	17400	17300	25000	19800	760	833	4170	907	520
21	979	1200	2780	13500	14800	21900	15600	739	778	3530	785	516
22	983	1210	7040	23800	14500	18300	11900	723	739	2380	723	520
23	1030	1920	9470	35000	18700	15900	9740	706	727	1770	685	514
24	1160	2650	22600	38200	18800	13500	9080	703	726	1990	654	491
25	2080	3120	26000	40000	17300	10600	8630	713	715	2270	635	484
26	2770	3080	25600	39900	17100	7950	7630	686	705	2150	643	471
27	4100	2850	24700	36300	22800	6050	6410	673	704	3560	605	483
28	4320	2580	23400	33400	22800	4770	6690	654	704	2890	586	472
29	3010	2950	20500	30700	---	3860	10200	660	682	1840	569	472
30	2150	7190	17800	28200	---	3100	9860	847	659	1400	564	533
31	1750	---	15900	25300	---	2910	---	1600	---	1380	572	---
TOTAL	40732	63640	279650	767530	471120	535140	213160	48774	32464	69280	32153	19659
MEAN	1314	2121	9021	24760	16830	17260	7105	1573	1082	2235	1037	655
MAX	4320	7190	26000	40000	22800	30800	20000	6750	4780	4350	2450	1990
MIN	596	1200	2320	9760	5850	2910	1350	654	633	662	564	445
CFSM	.29	.47	1.98	5.43	3.69	3.79	1.56	.35	.24	.49	.23	.14
IN.	.33	.52	2.28	6.27	3.85	4.37	1.74	.40	.27	.57	.26	.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 1998, BY WATER YEAR (WY)

	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
MEAN	1177	3704	6252	11680	15450	12390	9778	6469	3599	2075	1380	892		
MAX	2885	6762	12200	32180	38420	24140	30040	31840	11390	7113	3272	2422		
(WY)	1986	1994	1996	1990	1990	1987	1991	1991	1997	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 1997 CALENDAR YEAR		FOR 1998 WATER YEAR		WATER YEARS 1985 - 1998	
ANNUAL TOTAL	2843003		2573302		6289	
ANNUAL MEAN	7789		7050		9752	1990
HIGHEST ANNUAL MEAN					2418	1988
LOWEST ANNUAL MEAN					64500	May 5 1991
HIGHEST DAILY MEAN	39500	Apr 28	40000	Jan 25	319	Sep 27 1988
LOWEST DAILY MEAN	596	Oct 12	445	Sep 11	329	Sep 24 1988
ANNUAL SEVEN-DAY MINIMUM	618	Oct 7	484	Sep 5	65000	May 5 1991
INSTANTANEOUS PEAK FLOW			40600	Jan 26	35.66	May 5 1991
INSTANTANEOUS PEAK STAGE			30.02	Jan 26	267	Oct 25 1943
INSTANTANEOUS LOW FLOW			437	Sep 11		
ANNUAL RUNOFF (CFSM)	1.71		1.55		1.38	
ANNUAL RUNOFF (INCHES)	23.21		21.01		18.76	
10 PERCENT EXCEEDS	20900		22900		18100	
50 PERCENT EXCEEDS	3750		2220		2440	
90 PERCENT EXCEEDS	779		635		578	

PEARL RIVER BASIN

02488000 PEARL RIVER AT ROCKPORT, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.34	6.93	12.69	18.96	22.72	21.45	13.48	12.90	6.28	5.23	6.62	5.66
2	5.18	7.33	12.92	18.37	22.20	19.57	13.61	10.87	5.75	5.81	5.97	5.82
3	5.14	7.97	13.17	17.53	22.38	18.27	13.35	9.42	5.63	7.64	5.88	5.34
4	5.11	7.55	12.87	16.54	21.74	17.47	12.80	8.93	5.57	6.52	6.09	5.16
5	5.09	6.99	12.31	15.61	20.32	16.61	12.12	9.42	5.55	6.04	5.80	5.06
6	5.09	6.69	11.51	15.60	18.25	15.72	12.15	8.59	7.59	5.67	5.51	4.97
7	5.08	6.70	10.95	24.10	16.25	16.70	11.38	7.82	10.64	5.54	5.45	4.95
8	5.07	7.37	10.44	26.77	14.75	25.64	10.36	7.58	8.44	5.68	7.79	4.93
9	5.05	7.46	9.97	26.47	13.50	26.91	9.49	7.48	6.90	5.58	7.66	4.87
10	5.04	7.01	9.32	25.51	12.31	26.62	8.89	8.08	6.31	5.53	6.35	4.85
11	5.01	6.78	9.01	24.35	18.49	25.68	7.91	7.54	6.01	6.00	5.77	4.83
12	5.01	6.75	8.85	23.78	20.36	24.25	7.04	6.63	5.83	7.64	5.73	5.21
13	5.10	6.86	8.27	24.33	19.46	23.12	7.21	6.30	5.72	10.14	6.41	7.09
14	5.39	7.75	7.98	23.93	18.95	22.33	7.58	6.17	5.66	9.76	6.32	7.52
15	6.36	7.89	8.04	23.95	18.71	21.45	8.76	6.10	5.60	7.94	6.28	6.13
16	6.88	7.17	8.19	24.44	19.14	20.60	9.19	6.04	5.58	9.74	6.72	5.43
17	6.30	6.83	8.24	24.31	21.98	23.56	8.91	6.02	5.82	9.91	8.14	5.22
18	5.93	6.69	8.26	23.43	22.82	25.59	13.64	5.97	5.86	10.29	6.90	5.09
19	5.83	6.58	8.11	22.05	21.75	25.16	21.52	5.92	5.68	10.26	6.27	5.03
20	5.80	6.43	8.00	20.21	20.13	24.09	21.43	5.87	5.57	10.10	5.82	5.01
21	5.80	6.29	8.59	17.96	18.64	22.56	19.07	5.82	5.47	9.42	5.58	5.00
22	5.81	6.31	12.96	23.37	18.46	20.67	16.79	5.79	5.39	8.05	5.45	5.01
23	5.90	7.38	14.99	28.31	20.90	19.29	15.30	5.75	5.36	7.23	5.38	5.00
24	6.13	8.35	22.91	29.32	20.92	17.84	14.82	5.73	5.36	7.53	5.31	4.94
25	7.49	8.92	24.61	29.84	20.08	15.99	14.47	5.75	5.34	7.91	5.27	4.93
26	8.40	8.88	24.42	29.81	20.00	14.02	13.67	5.70	5.32	7.73	5.29	4.89
27	9.89	8.60	23.99	28.74	23.05	12.41	12.64	5.66	5.32	9.45	5.20	4.92
28	10.13	8.28	23.37	27.80	23.01	11.22	12.85	5.62	5.32	8.68	5.16	4.89
29	8.70	8.69	21.93	26.83	---	10.29	15.59	5.63	5.27	7.31	5.12	4.90
30	7.63	12.85	20.50	25.66	---	9.45	15.35	5.99	5.22	6.67	5.11	5.04
31	7.08	---	19.46	24.24	---	9.19	---	7.27	---	6.63	5.13	---
MEAN	6.19	7.54	13.45	23.62	19.69	19.47	12.71	7.04	5.98	7.67	5.98	5.26
MAX	10.13	12.85	24.61	29.84	23.05	26.91	21.52	12.90	10.64	10.29	8.14	7.52
MIN	5.01	6.29	7.98	15.60	12.31	9.19	7.04	5.62	5.22	5.23	5.11	4.83

02488500 PEARL RIVER NEAR MONTICELLO, MS

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.

DRAINAGE AREA.--4,993 mi².

PERIOD OF RECORD.--October 1938 to current year. Daily mean gage heights published since January 1972. Gage-height records collected in vicinity since 1924, are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1504: 1939, 1949.

GAGE.--Water-stage recorder. Datum of gage is 158.66 ft above sea level (levels by U. S. Army Corps of Engineers). Prior to Dec. 12, 1938, nonrecording gage, Dec. 12, 1938, to Jan. 10, 1949, water-stage recorder, and Jan. 11, 1949 to Oct. 16, 1952, nonrecording gage, all at same site and datum.

REMARKS.--Estimated daily discharges: May 7-14. Records good except for estimated daily discharges, which are poor. Flow regulated since September 27, 1961 by Ross R. Barnett, about 111 mi upstream. Statistics shown below are for water years 1962 to current year, except instantaneous extremes, which are shown for the entire period of record. Satellite telemeter and National Weather Service telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1902 reached a stage of about 33 ft, from reports of National Weather Service, discharge, about 100,000 ft³/s, from rating curve extended above 70,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 22,000 ft³/s, and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 25	2030	28,800	22.02	Feb. 18	1115	24,000	20.44
Jan. 8	1830	36,100	24.28	Feb. 27	0500	26,000	21.55
Jan. 17	0715	28,000	21.69	Mar. 10	1045	31,100	23.35
Jan. 27	0715	*40,300	*25.35	Mar. 19	0230	29,800	22.61
Feb. 2	1945	24,700	20.41	Apr. 20	0915	23,500	19.91

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	940	1920	7530	17700	27400	23300	9650	9110	1530	681	1420	1250
2	782	1810	6980	16600	25100	20000	10200	5930	1110	753	1090	1290
3	719	2240	7490	15300	24400	16700	9010	4220	938	1500	945	1040
4	698	2200	7410	13700	23700	14400	8620	3360	893	1760	1100	897
5	688	1790	6860	12300	22100	12800	7320	3590	870	1230	963	825
6	682	1510	6030	12300	19000	11500	6990	3290	1090	1020	859	784
7	692	1440	5240	28300	14900	12000	6500	e3000	3820	880	844	762
8	679	1870	4810	35500	11700	25600	5460	e2600	3340	846	1240	768
9	673	2080	4350	34600	9640	30200	4510	e2300	1930	904	2280	746
10	665	1730	3840	32200	8010	30900	3810	e2000	1300	866	1630	733
11	656	1520	3340	30000	15200	30200	3260	e1700	1060	1250	1140	735
12	642	1530	3170	29300	20400	28700	2880	e1500	960	1620	1060	898
13	673	1750	2870	29500	19400	26300	2690	e1400	910	3010	1510	1530
14	893	2180	2480	28600	17600	24300	2570	e1280	871	4170	2220	2490
15	939	2470	2410	27300	16700	22600	2770	1220	843	2530	1460	1840
16	1500	1990	2500	27500	17400	20900	3620	1180	823	2890	1300	1240
17	1450	1670	2530	27800	22100	24600	3460	1160	868	3560	2150	1010
18	1160	1540	2580	27100	23900	28900	5910	1130	942	3880	1940	925
19	1030	1450	2550	25400	23300	29600	20100	1100	906	3970	1400	887
20	1010	1290	2480	22700	21000	28600	23200	1070	854	3890	1120	856
21	1010	1550	3720	18800	17800	26800	20800	1040	823	3490	968	841
22	1040	2030	7570	23600	16700	23700	16000	1010	786	2650	895	852
23	1020	2010	11300	33600	19600	20200	12100	996	762	1860	856	853
24	1220	2730	23800	36900	20400	17300	10300	978	752	1780	832	800
25	1640	3330	28400	38100	19200	14200	9710	984	743	2560	812	763
26	3380	3150	28300	39200	20000	10900	8820	978	730	2250	820	749
27	3880	2830	27800	39900	25800	8250	7510	952	719	3420	815	741
28	4450	2590	27100	38200	25400	6590	8000	936	715	3040	788	768
29	3440	3910	25300	35400	---	5500	11400	952	710	1880	772	755
30	2460	6650	22500	32800	---	4650	12400	959	692	1360	759	742
31	2020	---	19600	30100	---	4060	---	1400	---	1260	815	---
TOTAL	42731	66760	312840	860300	547850	604250	259570	63325	33290	66760	36803	29370
MEAN	1378	2225	10090	27750	19570	19490	8652	2043	1110	2154	1187	979
MAX	4450	6650	28400	39900	27400	30900	23200	9110	3820	4170	2280	2490
MIN	642	1290	2410	12300	8010	4060	2570	936	692	681	759	733
CFSM	.28	.45	2.02	5.56	3.92	3.90	1.73	.41	.22	.43	.24	.20
IN.	.32	.50	2.33	6.41	4.08	4.50	1.93	.47	.25	.50	.27	.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 1998, BY WATER YEAR (WY)

MEAN	1803	3097	8690	13140	14650	14700	15070	8559	3123	2045	1818	1357
MAX	9167	8443	37130	36890	43290	29990	51710	40240	13140	7516	10920	7323
(WY)	1976	1994	1983	1974	1990	1980	1980	1991	1997	1989	1975	1979
MIN	305	356	728	1522	3186	2950	1552	800	650	602	486	482
(WY)	1964	1964	1963	1986	1970	1967	1967	1963	1988	1969	1969	1963

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1962 - 1998
ANNUAL TOTAL	3154226	2923849	
ANNUAL MEAN	8642	8011	7300
HIGHEST ANNUAL MEAN			17210
LOWEST ANNUAL MEAN			2001
HIGHEST DAILY MEAN	47300	Apr 28	121000
LOWEST DAILY MEAN	642	Oct 12	269
ANNUAL SEVEN-DAY MINIMUM	669	Oct 7	274
INSTANTANEOUS PEAK FLOW		40300	122000
INSTANTANEOUS PEAK STAGE		25.35	34.08
INSTANTANEOUS LOW FLOW		642	269
ANNUAL RUNOFF (CFSM)	1.73	1.60	1.46
ANNUAL RUNOFF (INCHES)	23.50	21.78	19.87
10 PERCENT EXCEEDS	23700	25700	20800
50 PERCENT EXCEEDS	3980	2490	2660
90 PERCENT EXCEEDS	956	785	678

e Estimated

PEARL RIVER BASIN

02488500 PEARL RIVER NEAR MONTICELLO, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.13	6.61	11.67	17.37	21.47	20.58	13.02	12.78	6.30	4.86	5.94	5.53
2	4.84	6.47	11.29	16.84	20.57	19.16	13.40	10.61	5.64	5.01	5.40	5.59
3	4.71	7.02	11.65	16.19	20.28	17.60	12.66	9.20	5.36	6.21	5.14	5.19
4	4.67	6.96	11.59	15.37	20.02	16.44	12.41	8.38	5.28	6.62	5.41	4.92
5	4.65	6.44	11.20	14.63	19.33	15.58	11.52	8.62	5.24	5.85	5.16	4.78
6	4.63	6.05	10.57	14.64	17.97	14.73	11.29	8.33	5.61	5.51	4.98	4.70
7	4.66	5.95	9.95	21.66	16.01	14.93	10.93	---	8.88	5.25	4.94	4.65
8	4.63	6.55	9.59	24.11	14.27	21.30	10.13	---	8.44	5.19	5.57	4.66
9	4.62	6.82	9.18	23.86	13.06	23.08	9.32	---	6.84	5.30	7.03	4.61
10	4.60	6.36	8.71	23.20	12.00	23.30	8.69	---	5.97	5.23	6.19	4.58
11	4.58	6.07	8.23	22.44	16.06	23.01	8.15	---	5.58	5.86	5.45	4.58
12	4.55	6.09	8.05	22.19	18.65	22.39	7.75	---	5.40	6.44	5.31	4.88
13	4.62	6.38	7.73	22.28	18.24	21.47	7.54	---	5.31	8.09	6.00	5.90
14	5.05	6.94	7.31	21.92	17.45	20.61	7.41	---	5.24	9.25	6.94	7.14
15	5.13	7.29	7.22	21.43	17.08	19.87	7.63	5.83	5.19	7.57	5.93	6.32
16	6.03	6.71	7.32	21.51	17.46	19.14	8.51	5.77	5.15	7.93	5.68	5.47
17	5.96	6.28	7.36	21.63	19.60	20.61	8.35	5.73	5.23	8.64	6.82	5.08
18	5.50	6.09	7.41	21.35	20.40	22.28	10.24	5.68	5.37	8.94	6.57	4.95
19	5.29	5.96	7.38	20.69	20.18	22.51	18.44	5.63	5.30	9.01	5.82	4.88
20	5.25	5.72	7.30	19.60	19.23	22.12	19.80	5.59	5.21	8.92	5.38	4.83
21	5.26	6.08	8.50	17.85	17.84	21.37	18.79	5.53	5.15	8.53	5.11	4.81
22	5.31	6.74	11.70	19.85	17.36	20.09	16.55	5.47	5.07	7.62	4.97	4.83
23	5.28	6.71	13.98	23.59	18.75	18.59	14.53	5.45	5.03	6.66	4.90	4.84
24	5.61	7.59	20.02	24.48	19.11	17.22	13.49	5.42	5.01	6.53	4.84	4.74
25	6.23	8.21	21.85	24.80	18.64	15.66	13.14	5.43	4.99	7.50	4.81	4.68
26	8.25	8.03	21.80	25.08	19.02	13.79	12.60	5.42	4.96	7.12	4.81	4.66
27	8.75	7.69	21.64	25.26	21.51	12.16	11.74	5.38	4.94	8.39	4.80	4.65
28	9.28	7.43	21.35	24.81	21.36	11.00	12.05	5.35	4.93	7.98	4.75	4.71
29	8.32	8.73	20.63	24.09	---	10.16	14.15	5.38	4.92	6.60	4.71	4.68
30	7.27	11.03	19.51	23.36	---	9.45	14.68	5.39	4.89	5.88	4.68	4.67
31	6.74	---	18.25	22.50	---	8.92	---	6.10	---	5.71	4.78	---
MEAN	5.66	6.90	12.26	21.24	18.32	18.04	11.96	---	5.55	6.91	5.45	5.02
MAX	9.28	11.03	21.85	25.26	21.51	23.30	19.80	---	8.88	9.25	7.03	7.14
MIN	4.55	5.72	7.22	14.63	12.00	8.92	7.41	---	4.89	4.86	4.68	4.58

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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.

PERIOD OF RECORD.--September 1965 to current year. Daily mean gage heights published since October 1985.

GAGE.--Water-stage recorder. Datum of gage is 182.20 ft above sea level (Mississippi Department of Transportation bench mark).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 28, 29, 1961, reached a stage of 17.11 ft from floodmark, discharge, 15,900 ft³/s. Maximum stage known since at least 1879, 20 1/4 ft in April 1900, and flood in January 1925 reached a stage of 17.3 ft from information by local residents.

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 8	0115	*3,760	*9.86	Mar. 8	0130	2,720	8.73

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	166	152	176	252	376	231	238	113	107	121	103
2	89	153	132	160	314	316	220	e210	109	136	117	107
3	88	131	138	151	325	280	348	e180	107	159	115	101
4	89	122	158	143	278	259	259	e170	104	281	113	96
5	90	120	143	306	243	271	195	e160	104	209	111	93
6	98	119	130	445	226	321	179	e155	157	147	108	91
7	113	117	124	3020	219	938	171	e150	174	128	108	88
8	112	115	152	2880	214	2280	169	e144	141	123	113	86
9	111	115	159	887	208	1090	166	e138	125	119	114	87
10	111	115	151	377	215	416	151	e133	117	117	111	86
11	111	116	138	286	740	314	141	e129	112	129	107	85
12	113	134	125	1050	565	269	140	e130	110	152	107	92
13	135	160	121	1260	297	252	139	136	111	145	107	123
14	203	142	119	517	263	242	139	131	111	155	114	126
15	150	127	118	392	254	232	141	124	108	147	117	114
16	124	121	115	354	378	228	140	121	107	143	115	105
17	121	118	113	293	511	1460	139	116	107	142	113	99
18	122	118	111	259	388	1370	167	105	107	130	111	94
19	123	122	109	250	301	492	289	99	108	122	108	93
20	115	123	108	245	273	369	283	98	108	119	106	96
21	105	382	169	220	260	318	243	97	106	117	108	96
22	108	647	294	793	488	282	210	99	107	119	107	95
23	108	231	417	1150	554	256	190	99	108	160	105	95
24	139	143	1840	443	353	238	177	98	109	175	99	92
25	170	131	1670	310	306	225	166	98	109	151	95	89
26	942	127	451	326	747	216	157	98	109	147	94	89
27	690	123	533	620	1600	210	149	98	110	171	92	90
28	194	120	394	443	737	204	212	98	109	211	91	90
29	161	199	296	329	---	195	336	105	108	170	88	94
30	149	225	247	298	---	187	277	121	108	143	87	97
31	148	---	206	268	---	186	---	119	---	128	88	---
TOTAL	5223	4882	9133	18651	11509	14292	5924	3997	3423	4602	3290	2892
MEAN	168	163	295	602	411	461	197	129	114	148	106	96.4
MAX	942	647	1840	3020	1600	2280	348	238	174	281	121	126
MIN	88	115	108	143	208	186	139	97	104	107	87	85
CFSM	1.30	1.25	2.27	4.63	3.16	3.55	1.52	.99	.88	1.14	.82	.74
IN.	1.49	1.40	2.61	5.34	3.29	4.09	1.70	1.14	.98	1.32	.94	.88

MEAN	124	146	205	302	315	335	336	237	146	133	123	120
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	103	89.3	72.8	80.8	74.7
(WY)	1968	1968	1966	1970	1968	1967	1970	1996	1972	1968	1972	1970

ANNUAL TOTAL	86768		87818			
ANNUAL MEAN	238		241		210	
HIGHEST ANNUAL MEAN					339	1980
LOWEST ANNUAL MEAN					102	1970
HIGHEST DAILY MEAN	5560	Apr 28	3020	Jan 7	16400	Apr 13 1974
LOWEST DAILY MEAN	88	Oct 3	85	Sep 11	65	Jul 6 1986
ANNUAL SEVEN-DAY MINIMUM	90	Sep 29	88	Sep 6	68	Jul 27 1968
INSTANTANEOUS PEAK FLOW			3760	Jan 8	25400	Apr 13 1974
INSTANTANEOUS PEAK STAGE			9.86	Jan 8	18.76	Apr 13 1974
INSTANTANEOUS LOW FLOW			84	Sep 11	59	Sep 12 1972
ANNUAL RUNOFF (CFSM)	1.83		1.85		1.61	
ANNUAL RUNOFF (INCHES)	24.83		25.13		21.92	
10 PERCENT EXCEEDS	393		393		311	
50 PERCENT EXCEEDS	133		139		131	
90 PERCENT EXCEEDS	105		98		90	

e Estimated

PEARL RIVER BASIN

02488700 WHITESAND CREEK NEAR OAK VALE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.58	3.91	4.03	4.24	4.55	4.94	4.67	4.69	4.23	4.20	4.25	4.19
2	3.57	3.85	3.94	4.18	4.75	4.77	4.63	---	4.21	4.32	4.23	4.21
3	3.57	3.76	3.96	4.14	4.78	4.66	5.01	---	4.20	4.42	4.23	4.18
4	3.57	3.72	4.05	4.11	4.63	4.60	4.76	---	4.18	4.82	4.21	4.16
5	3.57	3.71	3.98	4.67	4.52	4.64	4.55	---	4.18	4.59	4.21	4.15
6	3.61	3.71	3.93	5.10	4.46	4.81	4.49	---	4.40	4.37	4.19	4.13
7	3.69	3.70	3.90	9.02	4.43	6.02	4.46	---	4.47	4.29	4.19	4.12
8	3.68	3.69	4.02	8.88	4.41	8.20	4.45	---	4.34	4.27	4.21	4.12
9	3.68	3.69	4.05	6.05	4.39	6.40	4.44	---	4.28	4.26	4.22	4.12
10	3.68	3.69	4.02	4.93	4.42	5.09	4.39	---	4.25	4.25	4.21	4.12
11	3.68	3.69	3.97	4.66	5.78	4.81	4.35	---	4.22	4.30	4.20	4.11
12	3.68	3.77	3.92	6.25	5.39	4.69	4.34	---	4.21	4.39	4.20	4.14
13	3.77	3.89	3.90	6.74	4.70	4.64	4.34	4.32	4.22	4.36	4.20	4.29
14	4.06	3.81	3.90	5.29	4.59	4.61	4.34	4.30	4.22	4.40	4.23	4.30
15	3.84	3.74	3.90	4.97	4.56	4.58	4.34	4.28	4.20	4.36	4.24	4.25
16	3.73	3.71	3.89	4.87	4.93	4.57	4.34	4.26	4.20	4.34	4.24	4.21
17	3.71	3.70	3.89	4.68	5.28	7.03	4.34	4.24	4.20	4.34	4.23	4.18
18	3.72	3.70	3.88	4.57	4.96	6.89	4.44	4.19	4.20	4.30	4.22	4.16
19	3.73	3.72	3.88	4.54	4.71	5.32	4.85	4.16	4.20	4.26	4.20	4.15
20	3.68	3.72	3.87	4.53	4.62	5.02	4.83	4.16	4.20	4.25	4.19	4.16
21	3.64	4.59	4.14	4.44	4.58	4.88	4.71	4.16	4.19	4.24	4.20	4.16
22	3.65	5.52	4.62	5.81	5.19	4.78	4.60	4.16	4.20	4.25	4.20	4.16
23	3.65	4.33	4.87	6.57	5.38	4.71	4.53	4.16	4.20	4.41	4.19	4.15
24	3.80	3.98	7.61	5.10	4.86	4.66	4.49	4.16	4.21	4.47	4.17	4.14
25	3.93	3.93	7.32	4.74	4.72	4.62	4.44	4.16	4.21	4.38	4.16	4.12
26	6.06	3.91	5.09	4.78	5.62	4.59	4.41	4.16	4.21	4.36	4.15	4.13
27	5.48	3.89	5.31	5.54	7.29	4.58	4.38	4.16	4.21	4.45	4.14	4.12
28	4.02	3.88	4.94	5.11	5.74	4.57	4.59	4.16	4.21	4.60	4.14	4.12
29	3.89	4.21	4.65	4.79	---	4.54	4.98	4.19	4.20	4.45	4.12	4.14
30	3.84	4.32	4.50	4.70	---	4.52	4.81	4.27	4.20	4.34	4.12	4.16
31	3.83	---	4.35	4.60	---	4.52	---	4.26	---	4.29	4.12	---
MEAN	3.86	3.91	4.40	5.25	4.94	5.07	4.54	---	4.23	4.37	4.19	4.16
MAX	6.06	5.52	7.61	9.02	7.29	8.20	5.01	---	4.47	4.82	4.25	4.30
MIN	3.57	3.69	3.87	4.11	4.39	4.52	4.34	---	4.18	4.20	4.12	4.11

PEARL RIVER BASIN

111

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, 18.47 ft, Jan. 28, minimum observed, .20 ft, Oct. 13.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY OBSERVATION AT 0730 HOURS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.70	1.80	5.40	11.75	15.93	14.63	3.71	9.60	---	---	---	---
2	.59	1.79	5.88	10.98	15.06	13.88	6.96	---	---	1.22	---	---
3	.41	1.56	5.56	10.47	14.07	12.84	7.46	---	---	---	---	---
4	.31	1.79	5.87	9.99	13.47	11.38	6.78	5.05	---	---	1.45	---
5	.27	1.88	5.86	9.64	13.13	10.28	6.47	4.30	---	---	1.40	---
6	.24	1.55	5.52	9.42	12.67	9.55	5.67	---	---	---	---	---
7	.24	1.26	4.99	11.51	11.67	9.12	5.40	4.21	1.88	---	---	---
8	.26	1.12	4.56	15.83	10.07	12.75	5.11	3.63	4.00	---	---	---
9	.24	1.39	4.27	17.34	8.51	14.72	4.44	---	---	---	---	---
10	.24	1.73	3.90	17.32	7.36	15.60	3.76	---	2.88	---	2.53	---
11	.23	1.45	3.50	16.79	7.16	16.04	3.20	3.11	---	---	2.00	---
12	.22	1.29	3.04	16.21	10.40	15.82	2.79	2.99	---	---	---	---
13	.20	1.46	2.87	16.10	11.88	15.40	2.17	4.44	---	---	1.65	---
14	.56	1.48	2.64	15.84	11.74	14.68	1.83	---	---	---	---	---
15	.66	1.76	2.28	15.36	11.08	13.76	1.96	---	1.55	4.57	---	---
16	.55	2.12	2.16	14.85	10.86	13.00	2.20	---	1.50	3.45	---	2.11
17	.90	1.75	2.20	14.47	11.22	14.06	2.88	---	---	3.29	1.00	1.61
18	1.11	1.41	2.23	14.47	12.44	15.07	2.95	2.04	---	---	---	1.50
19	.84	1.28	2.26	14.38	13.20	15.15	2.95	2.00	1.56	---	2.50	1.50
20	.66	1.20	2.24	13.91	13.21	15.41	11.66	---	1.50	4.33	2.00	1.50
21	.59	1.07	2.26	13.16	12.67	15.27	13.06	1.90	---	4.30	---	1.08
22	.62	2.35	3.60	12.16	11.54	14.66	12.85	---	---	---	---	1.00
23	.62	3.02	6.19	13.56	11.43	13.58	11.37	---	---	---	---	1.10
24	.67	1.97	9.32	15.51	11.96	12.31	9.50	---	---	2.75	---	.98
25	---	2.38	12.75	16.83	12.18	11.00	8.60	---	---	---	---	.94
26	1.28	2.87	14.03	17.40	11.95	9.59	---	---	---	---	---	---
27	4.39	2.80	14.47	17.98	12.98	7.99	7.75	1.73	---	3.25	---	.84
28	3.86	2.51	14.57	18.47	14.60	6.49	---	1.70	---	---	---	.84
29	3.86	2.47	14.08	18.31	---	5.48	7.80	1.70	---	---	---	1.04
30	3.11	---	13.60	17.72	---	4.70	9.20	---	---	---	---	1.03
31	2.28	---	13.72	16.83	---	4.12	---	---	---	---	---	---
MEAN	---	---	6.32	14.66	11.94	12.20	---	---	---	---	---	---
MAX	---	---	14.57	18.47	15.93	16.04	---	---	---	---	---	---
MIN	---	---	2.16	9.42	7.16	4.12	---	---	---	---	---	---

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 left bank on downstream side of flow control structure upstream of bridge on State Highway 10, 2.0 mi east of Bogalusa, and 2.0 mi upstream from Bogue Lusa Creek.

DRAINAGE AREA.--6,573 mi².

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

REVISED RECORDS.--WRD LA-1981-2: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 55.00 ft above sea level (levels by Corps of Engineers). Prior to July 29, 1954, nonrecording gage at same site and datum.

REMARKS.--Records fair. Mean values determined using observed daily readings. 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, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2720	e4040	6200	35500	51700	36200	8180	15700	3090	2350	3380	2140
2	2590	e3600	7840	32600	50100	37300	8560	15900	3140	2330	3090	2230
3	2520	e3450	8510	28700	47000	37700	11600	12900	3330	2390	3000	2350
4	2410	e3350	8520	25400	42900	36100	13800	8710	3180	2550	2860	2650
5	2260	e3290	8710	24800	38200	33300	12800	7220	3000	2810	2680	2520
6	2210	e3320	8670	27700	36000	28400	11500	6350	3060	3360	2590	2320
7	2190	e3280	8310	35300	34300	26400	10200	6170	3250	3170	2590	2180
8	e2200	e3130	7780	44300	31500	32900	9430	5970	3390	2930	2550	2120
9	e2220	e2990	7360	45600	26300	40500	8810	5290	3920	2750	2450	2060
10	e2210	e2970	6880	50700	19600	42100	7910	4840	4870	2650	2550	2060
11	e2240	e3250	6210	53200	15600	42600	6900	4640	4170	2910	3050	2120
12	e2290	e3780	4860	56200	18100	43500	6170	4550	3580	2970	3200	2240
13	e2430	e4490	4350	55600	21400	44900	5620	4530	3190	2950	2990	2560
14	2600	e4530	4710	53500	25700	45500	5130	4220	2920	3280	2980	2750
15	e2710	e4020	4730	52000	27900	43800	4840	3910	2880	4130	3470	2900
16	e2650	3970	4500	49400	29000	41800	4820	3750	2770	5030	3560	3210
17	e2510	4040	4350	46100	29600	42900	5040	3700	2690	4640	3330	3200
18	e2480	3880	4320	42600	29700	44000	5780	3510	2670	4240	3040	2880
19	e2510	3650	4330	40500	30700	45200	6940	3440	2660	4720	3090	2680
20	e2510	3490	4360	38700	32400	45500	9900	3370	2670	4990	3320	2930
21	e2460	3450	4420	37900	33700	44600	17300	3320	2670	5150	3040	3740
22	e2430	3850	4800	37300	34000	44000	23600	3250	2640	4980	2770	3790
23	e2530	4940	6580	36600	33300	42900	26400	3210	2630	4700	2570	3220
24	e2550	4930	10000	36700	31600	40700	24700	3150	2570	4480	2440	2720
25	e2670	4280	17100	37300	30800	36200	19000	3110	2480	4290	2360	2440
26	e2690	4420	25000	41500	31200	31600	14600	3070	2370	4580	2300	2390
27	e3120	4690	31400	50100	32700	26300	12600	3050	2480	4750	2250	2300
28	e4200	4690	35300	54400	34500	19000	12500	3020	2460	5090	2210	2550
29	e4510	4750	39900	55900	---	13900	14100	3020	2430	4930	2160	3340
30	e4600	5140	45500	55000	---	10500	15000	3150	2390	4650	2150	3900
31	e4440	---	37400	54400	---	8770	---	3160	---	3910	2120	---
TOTAL	84660	117660	382900	1335500	899500	1109070	343730	163180	89550	118660	86140	80490
MEAN	2731	3922	12350	43080	32130	35780	11460	5264	2985	3828	2779	2683
MAX	4600	5140	45500	56200	51700	45500	26400	15900	4870	5150	3560	3900
MIN	2190	2970	4320	24800	15600	8770	4820	3020	2370	2330	2120	2060
CFSM	.42	.60	1.88	6.55	4.89	5.44	1.74	.80	.45	.58	.42	.41
IN.	.48	.67	2.17	7.56	5.09	6.28	1.95	.92	.51	.67	.49	.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1998, BY WATER YEAR (WY)

MEAN	2935	4285	10010	15770	19860	20760	19480	12490	5695	4622	3785	2906
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 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1939 - 1998
ANNUAL TOTAL	4770460	4811040	
ANNUAL MEAN	13070	13180	10130
HIGHEST ANNUAL MEAN			22560
LOWEST ANNUAL MEAN			3412
HIGHEST DAILY MEAN	55900	May 2	127000
LOWEST DAILY MEAN	2080	Sep 23	1020
ANNUAL SEVEN-DAY MINIMUM	2110	Sep 19	1030
INSTANTANEOUS PEAK FLOW		unknown	129000
INSTANTANEOUS PEAK STAGE		unknown	23.23
INSTANTANEOUS LOW FLOW		unknown	1020
INSTANTANEOUS LOW STAGE		unknown	4.84
ANNUAL RUNOFF (CFSM)	1.99	2.01	1.54
ANNUAL RUNOFF (INCHES)	27.00	27.23	20.94
10 PERCENT EXCEEDS	32500	41000	28400
50 PERCENT EXCEEDS	7250	4440	4660
90 PERCENT EXCEEDS	2470	2440	1860

*Oct. 30, 31

e Estimated

02490500 BOGUE CHITTO NEAR TYLERTOWN, MS

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.

DRAINAGE AREA.--492 mi².

PERIOD OF RECORD.--August 1944 to current year.

REVISED RECORDS.--WSP 1504: 1945(P), 1946(M), 1947-51, 1953. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 227.40 ft above sea level.

REMARKS.--Estimated daily discharges: Oct. 26-27, Nov.22-23, 28-30, and Dec. 1-3, 8-15, 18-19. Records good except for periods of estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in February 1936 reached a stage about 0.1 ft higher than the flood of Apr. 7, 1983.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 24	1930	7,060	15.25	Feb. 27	1230	8,400	16.32
Jan. 7	2300	*22,600	*24.89	Mar. 8	1500	8,430	16.42
Jan. 24	1030	6,930	15.12				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	254	315	e640	612	779	2790	776	782	342	305	326	422
2	253	309	e560	548	765	1330	1470	669	336	298	331	423
3	255	305	e500	508	867	987	1610	638	330	296	320	373
4	255	297	461	482	874	844	1010	560	327	337	314	330
5	255	293	436	724	738	766	832	512	327	328	311	308
6	255	292	418	1830	657	786	669	495	393	314	310	305
7	256	290	394	16800	609	1630	593	480	389	302	312	303
8	255	291	e380	16100	581	7460	555	454	383	298	310	300
9	256	291	e700	9220	557	5550	529	438	352	340	306	297
10	256	293	e1500	3550	557	4410	502	422	336	348	305	295
11	254	294	e1100	1540	1740	2140	478	407	329	448	330	316
12	254	342	e700	2590	2210	1120	463	399	325	744	325	445
13	287	370	e540	3770	2110	917	456	391	328	783	333	723
14	385	354	e400	2660	1310	818	455	386	325	608	353	831
15	294	338	e350	1860	841	751	455	383	315	1550	365	531
16	290	320	379	1340	1540	720	447	379	311	1530	358	409
17	270	310	372	1290	3830	3310	459	375	309	629	331	363
18	266	307	e365	973	3320	3570	527	368	307	457	320	341
19	265	317	e430	793	2860	3360	1010	363	305	395	314	350
20	265	317	338	712	1540	2250	1760	361	303	362	313	364
21	266	639	707	669	957	1170	2410	358	300	344	316	364
22	271	e1300	2000	3340	1500	925	1260	355	297	340	310	360
23	271	e900	2690	6130	2780	786	657	354	296	396	307	352
24	304	570	6380	6320	2270	707	554	350	302	358	305	339
25	327	443	5550	3410	1740	656	502	346	295	346	303	326
26	e1300	394	4330	1500	2110	618	470	343	295	379	303	320
27	e800	368	3480	2240	7370	594	452	340	297	444	298	379
28	534	e330	2090	2450	4120	575	1430	341	298	417	294	331
29	386	e340	1410	1930	---	556	1360	425	292	365	291	324
30	339	e740	928	1140	---	540	1000	370	291	340	291	316
31	321	---	725	897	---	542	---	350	---	330	314	---
TOTAL	10499	12269	41253	97928	51132	53178	25151	13194	9635	14731	9819	11440
MEAN	339	409	1331	3159	1826	1715	838	426	321	475	317	381
MAX	1300	1300	6380	16800	7370	7460	2410	782	393	1550	365	831
MIN	253	290	338	482	557	540	447	340	291	296	291	295
CFSM	.69	.83	2.70	6.42	3.71	3.49	1.70	.87	.65	.97	.64	.78
IN.	.79	.93	3.12	7.40	3.87	4.02	1.90	1.00	.73	1.11	.74	.86

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 1998, BY WATER YEAR (WY)

	MEAN	387	507	886	1300	1441	1373	1332	872	536	466	411	377
MAX	1894	2118	2976	4728	3994	3625	4718	4317	1744	1503	1402	1131	
(WY)	1965	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 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1944 - 1998

	ANNUAL TOTAL	395279	350229	
ANNUAL MEAN	1083	960		
HIGHEST ANNUAL MEAN			821	
LOWEST ANNUAL MEAN			1301	1983
HIGHEST DAILY MEAN	24100	Apr 28	16800	Jan 7
LOWEST DAILY MEAN	237	May 20	253	Oct 2
ANNUAL SEVEN-DAY MINIMUM	255	Oct 1	255	Oct 1
INSTANTANEOUS PEAK FLOW			22600	Jan 7
INSTANTANEOUS PEAK STAGE			24.89	Jan 7
ANNUAL RUNOFF (CFSM)	2.20		1.95	
ANNUAL RUNOFF (INCHES)	29.89		26.48	
10 PERCENT EXCEEDS	2570		2120	
50 PERCENT EXCEEDS	470		399	
90 PERCENT EXCEEDS	266		295	

e Estimated

02492343 EAST HOBOLOCHITTO CREEK NEAR CAESAR, MS

LOCATION.--Lat 30°34'17". long 89°35'41", in sec.34, T.5 S., R.16 W., St. Stephens Meridian, Pearl River County, Hydrologic Unit 03180004, near left bank at downstream side of bridge on County Highway, 3.2 mi west of Caesar, and 3.5 mi downstream from Stanfield Creek.

DRAINAGE AREA.--86.1 mi².

PERIOD OF RECORD.--October 1996 to current year.

GAGE.--Water-stage recorder. Datum of gage is 62.00 ft above Mississippi Department of Transportation datum.

REMARKS.--Estimated daily discharges: Nov. 4-13. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.2	16	342	71	161	207	104	205	16	5.7	14	9.5
2	7.5	17	183	63	204	139	126	122	14	9.1	14	19
3	7.0	25	151	59	339	110	113	88	12	6.3	11	9.9
4	6.8	e23	222	57	272	99	118	61	11	6.3	9.6	7.3
5	6.6	e20	192	694	175	108	98	51	10	8.3	8.6	7.0
6	6.3	e18	132	1690	134	166	81	43	23	7.5	8.0	6.3
7	6.2	e17	100	5070	117	904	71	39	34	6.9	7.5	6.3
8	6.6	e17	145	5610	106	6250	61	48	39	12	7.2	6.2
9	7.0	e16	207	1850	97	3800	61	44	26	9.2	6.4	6.0
10	6.6	e16	181	629	93	1340	58	36	18	7.8	5.9	6.8
11	6.5	e16	185	291	218	441	51	31	15	35	5.8	24
12	6.7	e21	132	1220	383	295	44	27	13	41	6.3	95
13	8.0	e116	94	3480	199	235	43	24	10	31	6.1	144
14	31	149	80	2160	129	204	50	22	9.1	33	8.7	122
15	26	94	72	1420	128	182	49	21	8.1	52	13	80
16	22	57	66	1310	1010	164	48	19	7.4	41	15	52
17	17	43	61	834	1630	596	49	19	6.9	26	13	38
18	14	38	56	357	1190	1240	50	17	6.7	23	16	32
19	12	39	53	254	351	1490	51	17	6.3	20	16	38
20	10	38	47	200	215	1120	48	16	5.6	16	15	111
21	9.8	120	49	167	166	401	40	14	5.4	13	17	366
22	9.4	410	64	687	267	250	34	14	5.3	14	21	233
23	9.5	346	89	1670	529	195	29	13	6.0	17	16	131
24	10	191	156	1350	307	168	27	12	8.3	14	14	102
25	12	104	223	395	177	147	25	12	6.7	30	11	71
26	17	72	146	516	167	134	23	11	6.2	44	9.5	52
27	36	58	156	1390	401	125	22	11	6.4	114	8.3	44
28	27	51	209	1280	385	117	80	11	6.0	57	7.5	74
29	21	501	142	468	---	111	404	11	5.7	39	7.0	313
30	17	575	106	263	---	105	466	16	5.4	32	6.6	338
31	16	---	85	200	---	88	---	15	---	25	6.3	---
TOTAL	406.7	3224	4126	35705	9550	20931	2524	1090	352.5	796.1	331.3	2544.3
MEAN	13.1	107	133	1152	341	675	84.1	35.2	11.8	25.7	10.7	84.8
MAX	36	575	342	5610	1630	6250	466	205	39	114	21	366
MIN	6.2	16	47	57	93	88	22	11	5.3	5.7	5.8	6.0
MED	9.8	41	132	687	210	195	51	19	8.2	20	9.5	48
CFSM	.14	1.15	1.43	12.4	3.66	7.25	.90	.38	.13	.28	.11	.91
IN.	.16	1.29	1.65	14.26	3.81	8.36	1.01	.44	.14	.32	.13	1.02

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1998, BY WATER YEAR (WY)

	1996	1997	1998	1996	1997	1998	1996	1997	1998
MEAN	21.0	68.0	121	735	456	476	168	176	160
MAX	28.9	107	133	1152	572	675	252	316	308
(WY)	1997	1998	1998	1998	1997	1998	1997	1997	1997
MIN	13.1	28.5	109	318	341	277	84.1	35.2	11.8
(WY)	1998	1997	1997	1997	1998	1998	1998	1998	1998

SUMMARY STATISTICS

	FOR 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1996 - 1998
ANNUAL TOTAL	78901.8	81580.9	216
ANNUAL MEAN	216	224	216
HIGHEST ANNUAL MEAN			224
LOWEST ANNUAL MEAN			209
HIGHEST DAILY MEAN	3060	6250	6250
LOWEST DAILY MEAN	6.2	5.3	3.4
ANNUAL SEVEN-DAY MINIMUM	6.5	6.0	3.5
INSTANTANEOUS PEAK FLOW		8350	8350
INSTANTANEOUS PEAK STAGE		19.45	19.45
INSTANTANEOUS LOW FLOW		5.1	5.1
ANNUAL RUNOFF (CFSM)	2.32	2.40	2.32
ANNUAL RUNOFF (INCHES)	31.50	32.57	31.54
10 PERCENT EXCEEDS	569	406	496
50 PERCENT EXCEEDS	105	44	53
90 PERCENT EXCEEDS	12	6.9	7.5

e Estimated

02492360 WEST HOBOLOCHITTO CREEK NEAR MCNEILL, MS

LOCATION.--Lat 30°39'42", long 89°41'10", in NW1/4 sec.34, T.4 S., R.8 W., St. Stephens Meridian, Pearl River County, Hydrologic Unit 03180004, near left bank at downstream side of bridge on County Highway, 0.2 mi downstream from Price Creek, and 3.1 mi west of McNeill.

DRAINAGE AREA.--175 mi².

PERIOD OF RECORD.--July 1965 to September 1968; October 1968 to September 1996 (annual peaks only), October 1996 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 55.64 ft above mean sea level.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1961 reached a stage of 24.96 ft from flood mark. Flood mark of July 1916 reached a stage approximately 5.0 ft higher than the Dec. 1961 flood from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 8	0400	*10,300	*20.33	Feb. 17	0315	2,810	14.29
Jan. 12	2045	5,890	18.42	Mar. 8	0715	10,100	20.27
Jan. 15	2300	2,550	13.56	Mar. 18	2115	4,130	16.73
Jan. 27	0845	2,990	14.76				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	33	276	92	317	407	224	375	39	28	28	22
2	28	39	152	81	494	269	274	204	37	33	27	22
3	27	41	149	74	595	208	193	148	36	28	25	21
4	26	35	528	71	434	174	169	117	35	28	24	20
5	26	32	223	1490	296	158	141	98	34	26	23	20
6	27	32	131	2790	237	161	121	86	48	30	23	20
7	27	31	98	7330	208	2350	110	92	50	27	22	20
8	27	31	166	8500	184	8790	105	124	46	26	22	20
9	27	31	235	3850	165	6060	103	94	44	25	22	19
10	27	31	209	1300	155	2390	98	79	38	47	22	21
11	26	32	128	738	1160	971	91	69	36	247	22	32
12	26	97	95	3070	1080	637	85	64	34	102	21	52
13	31	398	79	4940	435	492	80	60	33	49	21	54
14	31	147	71	2920	261	398	78	57	31	45	22	44
15	52	89	66	2180	272	337	77	55	30	40	25	37
16	40	65	60	2040	2510	294	76	53	29	40	25	31
17	34	55	57	1060	2570	2830	76	51	29	41	23	28
18	30	49	55	672	1260	3840	79	50	29	35	28	26
19	28	48	52	503	517	2980	132	48	28	32	29	28
20	27	47	51	394	356	1220	207	47	28	29	27	57
21	27	79	57	322	280	689	122	45	30	29	28	135
22	27	1040	86	2260	719	481	92	44	28	30	24	64
23	26	268	104	3240	1130	371	80	44	27	28	23	72
24	29	123	287	1560	474	302	73	43	27	30	24	51
25	35	85	355	642	286	256	68	42	26	31	22	39
26	63	69	171	1060	342	224	65	41	26	44	21	32
27	52	60	621	2840	1890	201	63	40	26	99	21	29
28	40	55	503	1830	1020	184	611	40	26	63	21	33
29	36	1060	224	775	---	169	1700	40	28	48	20	182
30	33	884	157	507	---	158	1050	76	27	37	20	266
31	31	---	115	387	---	149	---	44	---	31	21	---
TOTAL	1015	5086	5561	59518	19647	38150	6443	2470	985	1428	726	1497
MEAN	32.7	170	179	1920	702	1231	215	79.7	32.8	46.1	23.4	49.9
MAX	63	1060	621	8500	2570	8790	1700	375	50	247	29	266
MIN	26	31	51	71	155	149	63	40	26	25	20	19
MED	28	55	131	1300	435	371	101	55	30	32	23	32
CFSM	.19	.97	1.03	11.0	4.01	7.03	1.23	.46	.19	.26	.13	.29
IN.	.22	1.08	1.18	12.65	4.18	8.11	1.37	.53	.21	.30	.15	.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 1998, BY WATER YEAR (WY)

MEAN	46.5	68.9	228	752	781	522	297	228	168	157	106	67.8
MAX	85.9	170	546	1920	1792	1231	474	465	635	451	159	121
(WY)	1997	1998	1968	1998	1966	1998	1997	1997	1997	1997	1968	1965
MIN	32.7	33.9	84.5	295	122	91.6	172	79.7	32.8	46.1	23.4	31.2
(WY)	1998	1997	1967	1967	1968	1967	1968	1998	1998	1998	1998	1997

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1965 - 1998

ANNUAL TOTAL	130778	142526	282
ANNUAL MEAN	358	390	390
HIGHEST ANNUAL MEAN			1998
LOWEST ANNUAL MEAN			1967
HIGHEST DAILY MEAN	4630	Feb 26	8790
LOWEST DAILY MEAN	26	Oct 4	19
ANNUAL SEVEN-DAY MINIMUM	27	Oct 3	20
INSTANTANEOUS PEAK FLOW			10300
INSTANTANEOUS PEAK STAGE			20.33
ANNUAL RUNOFF (CFSM)	2.05	2.23	1.61
ANNUAL RUNOFF (INCHES)	27.80	30.30	21.92
10 PERCENT EXCEEDS	1020	1040	604
50 PERCENT EXCEEDS	147	60	72
90 PERCENT EXCEEDS	31	26	27

OHIO RIVER BASIN

TENNESSEE RIVER BASIN

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 above Mississippi Department of Transportation datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 3,180 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)
Apr. 3	1000	735	13.86	May 27	1000	1,570	16.30
May 7	0115	*2,870	*18.69				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.4	29	15	25	34	50	90	143	21	7.0	9.2	4.8
2	6.6	24	15	24	34	46	45	67	18	6.4	8.5	4.7
3	6.4	19	21	23	39	41	356	46	16	7.0	8.2	4.8
4	6.4	17	24	23	62	35	123	38	16	9.3	8.1	4.7
5	6.4	16	17	69	43	95	66	33	31	9.1	7.8	5.1
6	6.8	26	15	53	41	173	51	767	26	8.0	7.8	5.0
7	7.0	24	15	218	38	319	46	1300	17	7.6	10	4.8
8	6.9	20	15	221	37	285	44	151	14	7.2	18	4.8
9	6.6	18	17	106	35	137	43	64	13	7.2	11	5.2
10	6.7	17	83	48	36	77	38	49	13	7.3	9.4	5.0
11	7.6	16	32	110	131	54	35	39	12	7.6	56	4.8
12	7.5	16	26	152	60	46	33	32	11	7.9	70	5.0
13	7.5	16	24	71	46	44	32	28	10	7.9	24	5.3
14	22	19	23	54	41	41	40	25	10	8.8	65	5.3
15	13	18	22	55	37	38	37	23	9.8	8.5	84	5.3
16	9.7	17	21	148	155	38	35	22	9.0	8.2	67	5.4
17	9.0	15	21	100	275	39	33	20	8.9	8.0	19	5.7
18	8.9	14	21	64	144	40	104	19	8.8	7.4	13	5.8
19	9.0	14	20	60	81	45	148	18	8.7	6.6	11	5.8
20	9.1	13	20	50	58	99	62	18	8.6	5.7	8.5	7.6
21	17	14	24	45	49	52	47	17	8.6	5.4	7.3	13
22	23	16	29	53	53	43	50	16	8.6	5.5	6.3	7.4
23	15	15	23	58	87	40	48	16	8.2	5.3	5.9	6.6
24	40	14	194	46	50	94	48	15	8.1	11	5.5	6.1
25	25	14	65	42	45	53	48	15	8.1	13	5.6	5.9
26	65	13	37	40	71	43	49	34	8.2	9.8	5.3	6.1
27	25	13	35	42	129	39	49	822	7.7	32	5.2	6.1
28	19	13	30	40	64	37	413	94	7.6	63	4.9	6.0
29	17	14	29	38	---	35	134	40	7.5	14	5.0	6.1
30	15	14	31	36	---	34	306	37	7.2	11	5.1	6.1
31	16	---	28	35	---	53	---	27	---	9.4	5.1	---
TOTAL	447.5	508	992	2149	1975	2265	2653	4035	361.6	332.1	576.7	174.3
MEAN	14.4	16.9	32.0	69.3	70.5	73.1	88.4	130	12.1	10.7	18.6	5.81
MAX	65	29	194	221	275	319	413	1300	31	63	84	13
MIN	6.4	13	15	23	34	34	32	15	7.2	5.3	4.9	4.7
MED	9.0	16	23	53	50	45	48	33	9.4	7.9	8.5	5.4
CFSM	.58	.69	1.30	2.81	2.86	2.96	3.58	5.27	.49	.43	.75	.24
IN.	.67	.77	1.49	3.24	2.97	3.41	4.00	6.08	.54	.50	.87	.26

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 1998, BY WATER YEAR (WY)

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
MEAN	15.5	44.9	67.0	70.3	69.1	76.8	61.5	55.5	26.1	14.1	11.6	12.7														
MAX	40.6	146	301	246	185	246	164	281	103	55.7	67.3	67.7														
(WY)	1976	1978	1983	1974	1990	1980	1991	1991	1989	1994	1992	1979														
MIN	5.09	11.8	14.8	13.3	24.9	28.8	11.4	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 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1973 - 1998

ANNUAL TOTAL	15474.7	16469.2	
ANNUAL MEAN	42.4	45.1	43.6
HIGHEST ANNUAL MEAN			79.2
LOWEST ANNUAL MEAN			18.7
HIGHEST DAILY MEAN	1270	Mar 3	4910
LOWEST DAILY MEAN	5.3	Sep 22	1.5
ANNUAL SEVEN-DAY MINIMUM	6.2	Sep 17	2.5
INSTANTANEOUS PEAK FLOW			unknown
INSTANTANEOUS PEAK STAGE			21.74
INSTANTANEOUS LOW FLOW			1.5
ANNUAL RUNOFF (CFSM)	1.72	1.83	1.77
ANNUAL RUNOFF (INCHES)	23.31	24.80	24.01
10 PERCENT EXCEEDS	86	83	76
50 PERCENT EXCEEDS	23	21	19
90 PERCENT EXCEEDS	8.1	6.1	5.4

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07030392 WOLF RIVER AT LAGRANGE, TN

DRAINAGE AREA.--210 mi².

WATER-DISCHARGE RECORDS

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,540 ft³/s, Apr. 29, gage height, 12.52; minimum, 106 ft³/s, Sep. 10, 11.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	174	187	184	244	247	621	268	1450	258	111	374	117
2	165	201	181	226	237	404	271	1150	188	110	247	116
3	162	196	193	215	231	331	512	777	165	110	178	114
4	160	184	220	205	225	300	621	471	159	118	152	113
5	159	175	226	309	218	413	596	367	277	120	140	112
6	158	196	218	485	213	911	422	346	369	119	133	110
7	157	209	202	844	210	1180	315	522	343	122	146	110
8	158	206	199	1590	207	1400	321	798	282	126	181	111
9	157	200	210	1470	203	1300	358	927	220	122	186	108
10	159	193	220	1150	275	1040	311	616	241	128	170	107
11	161	188	220	688	775	641	277	358	186	156	184	107
12	162	184	212	614	1010	447	247	293	167	209	1140	108
13	164	197	201	623	884	377	227	258	156	245	1740	110
14	205	238	192	598	489	344	229	232	150	189	918	109
15	207	247	184	488	339	329	224	214	143	204	397	108
16	202	238	179	1220	669	332	232	202	137	201	252	107
17	190	216	177	1520	1300	411	271	191	132	166	194	109
18	177	200	175	1310	1670	474	343	181	130	144	172	115
19	170	192	174	995	1290	548	504	173	129	134	160	118
20	166	187	172	805	748	572	510	167	130	125	150	115
21	171	191	195	644	474	534	538	163	129	119	143	121
22	177	195	268	535	385	523	374	161	125	115	139	123
23	173	195	276	489	382	404	311	158	122	120	137	117
24	206	193	674	449	403	357	287	155	120	207	132	114
25	239	188	900	398	419	329	258	155	119	225	130	113
26	340	186	829	346	473	312	231	171	119	237	128	113
27	351	185	592	322	1070	291	245	183	117	294	125	113
28	301	184	355	306	832	273	934	193	116	275	123	111
29	241	185	304	294	---	258	2670	286	115	302	122	111
30	194	185	287	277	---	251	1850	433	113	466	120	110
31	173	---	266	260	---	253	---	451	---	381	118	---
TOTAL	5979	5921	8885	19919	15878	16160	14757	12202	5157	5700	8631	3370
MEAN	193	197	287	643	567	521	492	394	172	184	278	112
MAX	351	247	900	1590	1670	1400	2670	1450	369	466	1740	123
MIN	157	175	172	205	203	251	224	155	113	110	118	107
CFSM	.92	.94	1.36	3.06	2.70	2.48	2.34	1.87	.82	.88	1.33	.53
IN.	1.06	1.05	1.57	3.53	2.81	2.86	2.61	2.16	.91	1.01	1.53	.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1998, BY WATER YEAR (WY)

MEAN	186	248	361	483	444	606	349	287	338	163	194	189
MAX	274	331	564	643	567	956	492	394	628	207	278	288
(WY)	1997	1997	1997	1998	1998	1997	1998	1998	1997	1997	1998	1996
MIN	89.5	197	232	333	233	341	261	220	172	98.9	119	73.5
(WY)	1996	1998	1996	1996	1996	1996	1996	1997	1998	1996	1996	1995

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1995 - 1998

ANNUAL TOTAL	135190		122559				
ANNUAL MEAN	370		336			323	
HIGHEST ANNUAL MEAN						412	1997
LOWEST ANNUAL MEAN						222	1996
HIGHEST DAILY MEAN	4430	Mar 3	2670	Apr 29	4430	Mar 3	1997
LOWEST DAILY MEAN	122	Sep 21	107	Sep 10,11,16	68	Sep 3	1995
ANNUAL SEVEN-DAY MINIMUM	126	Sep 17	108	Sep 10	70	Sep 2	1995
INSTANTANEOUS PEAK FLOW			3540	Apr 29	7420	Mar 2	1997
INSTANTANEOUS PEAK STAGE			12.52	Apr 29	13.27	Mar 2	1997
INSTANTANEOUS LOW FLOW			106	Sep 10,11			
ANNUAL RUNOFF (CFSM)	1.76		1.60			1.54	
ANNUAL RUNOFF (INCHES)	23.95		21.71			20.92	
10 PERCENT EXCEEDS	735		712			623	
50 PERCENT EXCEEDS	239		210			211	
90 PERCENT EXCEEDS	146		118			97	

WOLF RIVER BASIN

07030392 WOLF RIVER AT LAGRANGE, TN--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1996 to August 1998 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: September 1996 to January 1998 (discontinued).

INSTRUMENTATION.--Water temperature data logger from September 1996 to January 1998.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum daily mean, 26.0°C, July 3, 4, 27, 28, 1997; minimum daily mean, 2.0°C, Jan. 17, 18, 1997.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum daily mean, 13.5°C, Nov. 29, 30, Jan. 6, 7; minimum daily mean, 3.0°C, Jan. 16, 17.

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

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)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT 24...	1100	205	34	6.2	13.0	5.6	33.0	9.5	24	87
NOV 18...	0930	200	25	6.0	5.5	5.5	37.0	11.3	24	91
DEC 18...	1120	175	33	6.3	6.0	5.3	36.0	11.3	18	80
JAN 06...	0900	484	40	6.1	13.5	32	13.0	8.0	64	93
15...	0920	479	31	6.2	10.0	--	22.0	9.9	36	78
JUL 06...	1200	118	36	6.7	24.5	3.3	--	7.0	--	--
AUG 31...	1530	119	38	6.2	23.5	3.4	40.0	7.5	--	--

DATE	TIME	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WAT 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)
OCT 24...	1100	2.3	1.0	2.5	1.2	10	8	.86	2.5	<.10	9.7	35
NOV 18...	0930	2.2	.98	2.4	1.3	11	9	.99	2.7	<.10	9.9	33
DEC 18...	1120	2.1	1.0	2.6	1.1	--	--	1.2	2.9	<.10	9.5	33
JAN 06...	0900	2.9	1.2	2.4	2.6	22	18	2.2	3.1	<.10	7.5	38
15...	0920	2.2	1.0	2.0	1.6	12	10	2.3	1.9	<.10	8.1	29

DATE	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)	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)
OCT 24...	<.010	.280	.038	<.20	<.20	.026	<.010	<.010	250	84	1.7	.60
NOV 18...	<.010	.249	<.020	.15	<.10	.025	<.010	<.010	220	78	2.3	.60
DEC 18...	<.010	.334	<.020	.12	<.10	.031	<.010	<.010	220	84	1.2	.30
JAN 06...	<.010	.166	<.020	.56	.29	.137	.032	.012	430	79	3.7	1.8
15...	<.010	.178	<.020	.28	.13	.074	.016	.023	400	59	3.0	.60

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WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAILY MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	12.0	5.0	---	---	---	---	---	---	---	---
2	---	---	10.5	6.0	---	---	---	---	---	---	---	---
3	---	---	10.5	8.5	---	---	---	---	---	---	---	---
4	---	---	11.0	11.0	---	---	---	---	---	---	---	---
5	---	---	9.0	12.5	---	---	---	---	---	---	---	---
6	---	---	6.5	13.5	---	---	---	---	---	---	---	---
7	---	---	5.5	13.5	---	---	---	---	---	---	---	---
8	---	---	6.0	11.5	---	---	---	---	---	---	---	---
9	---	---	7.0	10.0	---	---	---	---	---	---	---	---
10	---	---	8.5	9.0	---	---	---	---	---	---	---	---
11	---	---	7.5	9.0	---	---	---	---	---	---	---	---
12	---	---	7.0	10.0	---	---	---	---	---	---	---	---
13	---	---	6.5	10.5	---	---	---	---	---	---	---	---
14	---	---	5.5	9.0	---	---	---	---	---	---	---	---
15	---	---	5.5	9.5	---	---	---	---	---	---	---	---
16	---	---	5.5	3.0	---	---	---	---	---	---	---	---
17	---	---	6.5	3.0	---	---	---	---	---	---	---	---
18	---	---	6.5	4.0	---	---	---	---	---	---	---	---
19	---	7.0	7.0	5.0	---	---	---	---	---	---	---	---
20	---	7.5	8.5	5.0	---	---	---	---	---	---	---	---
21	---	9.5	9.0	5.5	---	---	---	---	---	---	---	---
22	---	10.5	9.5	7.0	---	---	---	---	---	---	---	---
23	---	9.5	9.0	6.5	---	---	---	---	---	---	---	---
24	---	8.5	9.0	6.0	---	---	---	---	---	---	---	---
25	---	9.0	8.5	6.0	---	---	---	---	---	---	---	---
26	---	10.0	7.5	7.0	---	---	---	---	---	---	---	---
27	---	10.0	7.0	8.0	---	---	---	---	---	---	---	---
28	---	11.5	5.5	8.5	---	---	---	---	---	---	---	---
29	---	13.5	5.5	9.0	---	---	---	---	---	---	---	---
30	---	13.5	5.0	9.0	---	---	---	---	---	---	---	---
31	---	---	5.0	8.5	---	---	---	---	---	---	---	---

07273100 HOTOPHA CREEK NEAR BATESVILLE, MS

LOCATION.--Lat 34°21'50", long 89°52'42", in NW¼ NW¼ 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.--March 1986 to current year.

GAGE.--Water-stage recorder. Datum of gage is 195.45 ft above sea level.

REMARKS.--Estimated daily discharges: Mar. 20-24. Records good except for estimated daily discharges, which are poor. Unpublished records of daily specific conductance, pH, and water temperature during selected storm events are available in files of District office. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	21	13	25	34	59	30	101	17	9.3	10	7.2
2	11	15	12	25	33	51	25	62	15	101	10	7.0
3	11	13	19	28	32	46	292	57	14	56	9.8	6.8
4	11	12	20	25	30	50	58	47	15	17	9.7	6.8
5	11	11	15	498	29	599	40	37	47	14	9.6	6.8
6	11	19	13	165	29	295	33	30	28	16	9.5	6.7
7	10	15	12	528	29	196	30	39	19	13	10	6.6
8	10	13	17	375	28	724	28	29	16	12	11	6.6
9	10	12	19	98	28	258	27	25	15	11	12	6.3
10	10	12	17	58	39	102	25	25	14	14	11	6.2
11	9.9	12	15	244	345	76	24	23	14	26	11	6.2
12	9.7	12	13	499	65	61	23	22	13	20	11	6.6
13	11	17	13	101	47	51	23	19	18	232	11	7.0
14	17	23	13	61	39	45	23	18	13	92	11	6.7
15	12	16	12	252	38	42	22	18	12	76	13	6.4
16	10	13	12	402	489	41	27	18	12	73	11	6.9
17	9.9	12	12	157	513	277	32	17	13	20	9.7	8.2
18	9.6	12	12	162	137	101	256	16	11	15	9.0	10
19	9.6	12	12	137	76	66	123	15	10	14	8.4	7.0
20	9.4	12	12	70	58	e65	39	15	10	13	8.2	6.7
21	10	13	107	61	48	e57	31	15	9.7	12	8.1	6.9
22	10	13	39	180	163	e46	29	14	9.5	12	8.0	6.9
23	10	13	23	87	171	e41	26	14	9.4	13	7.7	6.4
24	58	12	569	60	65	e37	25	14	9.6	12	7.6	6.2
25	223	11	100	49	52	33	20	14	9.9	16	7.8	5.9
26	94	12	47	47	343	30	19	14	10	16	7.7	5.9
27	23	12	39	76	202	29	50	13	9.8	13	7.3	5.9
28	16	12	32	48	80	27	884	48	9.6	12	7.4	6.0
29	14	14	38	42	---	26	214	77	9.3	13	7.4	5.8
30	12	14	33	38	---	25	343	27	9.2	12	7.2	5.8
31	17	---	28	35	---	27	---	19	---	11	7.1	---
TOTAL	702.1	410	1338	4633	3242	3583	2821	902	422.0	986.3	289.2	200.4
MEAN	22.6	13.7	43.2	149	116	116	94.0	29.1	14.1	31.8	9.33	6.68
MAX	223	23	569	528	513	724	884	101	47	232	13	10
MIN	9.4	11	12	25	28	25	19	13	9.2	9.3	7.1	5.8
CFSM	.65	.39	1.23	4.26	3.30	3.29	2.68	.83	.40	.91	.27	.19
IN.	.74	.43	1.42	4.91	3.44	3.80	2.99	.96	.45	1.05	.31	.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1998, BY WATER YEAR (WY)

	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
MEAN	13.1	41.1	86.2	93.4	139	111	73.3	37.0	42.9	23.6	15.5	13.3	
MAX	23.9	97.4	242	224	367	148	376	103	95.9	106	38.5	35.8	
(WY)	1997	1992	1992	1989	1991	1991	1991	1991	1997	1989	1993	1997	
MIN	3.59	12.8	38.2	29.9	34.4	34.1	10.3	8.11	4.65	5.89	6.95	4.11	
(WY)	1988	1996	1994	1987	1993	1993	1986	1988	1988	1986	1990	1986	

SUMMARY STATISTICS

	FOR 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1986 - 1998
ANNUAL TOTAL	21824.3	19529.0	
ANNUAL MEAN	59.8	53.5	57.5
HIGHEST ANNUAL MEAN			105
LOWEST ANNUAL MEAN			30.4
HIGHEST DAILY MEAN	1050	884	4160
LOWEST DAILY MEAN	7.7	5.8	2.2
ANNUAL SEVEN-DAY MINIMUM	7.9	5.9	2.7
INSTANTANEOUS PEAK FLOW		1760	10400
INSTANTANEOUS PEAK STAGE		9.69	16.83
INSTANTANEOUS LOW FLOW		5.6	2.1
ANNUAL RUNOFF (CFSM)	1.70	1.52	1.64
ANNUAL RUNOFF (INCHES)	23.13	20.70	22.27
10 PERCENT EXCEEDS	130	104	112
50 PERCENT EXCEEDS	19	16	16
90 PERCENT EXCEEDS	10	7.8	5.9

e Estimated

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.--Estimated daily discharges: Dec. 25 - Jan. 9, Feb. 24, and Mar. 5-9. Records good except for estimated daily discharges, which are poor. U.S. Army Corps of Engineers satellite telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Apr. 28	0915	*6,560	*20.51				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	166	90	e279	226	715	263	1860	98	27	147	37
2	48	148	85	e261	211	486	283	1240	86	84	103	37
3	49	118	136	e244	203	378	555	860	68	71	79	37
4	44	103	206	e228	189	343	389	605	102	81	64	37
5	43	95	152	e912	176	e1740	270	422	712	76	55	39
6	42	137	126	e754	167	e1780	224	327	589	52	48	31
7	40	119	112	e1740	158	e1320	211	348	300	39	102	29
8	39	108	130	e2560	148	e3090	205	310	175	34	142	29
9	41	99	165	e1580	143	e2400	411	242	126	36	230	27
10	41	93	457	916	152	1370	247	207	105	97	188	26
11	39	89	388	904	1650	880	199	182	97	132	151	26
12	36	85	268	1240	953	649	175	159	80	114	231	26
13	52	89	195	817	779	502	157	139	98	112	358	27
14	84	104	167	614	488	419	152	124	101	171	384	26
15	61	95	146	725	353	370	141	115	84	197	1460	24
16	53	88	133	1390	1950	344	137	107	83	136	465	25
17	47	83	122	1170	2880	956	152	97	69	79	239	25
18	43	80	117	1200	2100	860	684	88	56	57	165	22
19	43	79	112	1330	1460	706	1500	79	52	47	128	21
20	43	77	105	1030	929	610	1030	73	47	41	108	20
21	44	75	350	781	669	523	707	68	44	36	91	24
22	50	75	527	799	669	436	462	65	41	33	77	25
23	51	75	340	739	1070	370	319	61	39	31	67	22
24	247	73	3140	596	e806	329	248	57	35	34	62	20
25	487	71	e1410	459	638	289	205	56	36	76	57	19
26	1020	68	e912	368	1240	265	177	75	34	236	53	19
27	548	68	e632	415	1540	247	184	98	32	162	48	19
28	501	69	e517	385	1070	233	5210	81	30	443	43	18
29	259	86	e391	336	---	218	2680	167	29	602	40	17
30	166	94	e315	285	---	210	2880	205	28	543	41	17
31	162	---	e296	249	---	207	---	135	---	300	47	---
TOTAL	4476	2809	12242	25306	23017	23245	20457	8652	3476	4179	5473	771
MEAN	144	93.6	395	816	822	750	682	279	116	135	177	25.7
MAX	1020	166	3140	2560	2880	3090	5210	1860	712	602	1460	39
MIN	36	68	85	228	143	207	137	56	28	27	40	17
CFSM	.55	.36	1.51	3.12	3.14	2.86	2.60	1.07	.44	.51	.67	.10
IN.	.64	.40	1.74	3.59	3.27	3.30	2.90	1.23	.49	.59	.78	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1998, BY WATER YEAR (WY)

	MEAN	77.0	287	600	604	699	797	720	455	266	131	88.4	105
MAX	424	2145	3396	2086	2204	2558	2545	2055	1632	752	487	1239	
(WY)	1983	1958	1983	1974	1991	1973	1991	1983	1997	1994	1982	1958	
MIN	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 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1952 - 1998

ANNUAL TOTAL	217511	134103	
ANNUAL MEAN	596	367	401
HIGHEST ANNUAL MEAN			877
LOWEST ANNUAL MEAN			123
HIGHEST DAILY MEAN	7590	Mar 3	25600
LOWEST DAILY MEAN	31	Sep 21	5.1
ANNUAL SEVEN-DAY MINIMUM	35	Sep 15	5.7
INSTANTANEOUS PEAK FLOW			44100
INSTANTANEOUS PEAK STAGE			28.72
INSTANTANEOUS LOW FLOW			4.4
ANNUAL RUNOFF (CFSM)	2.27	1.40	1.53
ANNUAL RUNOFF (INCHES)	30.88	19.04	20.79
10 PERCENT EXCEEDS	1420	954	999
50 PERCENT EXCEEDS	237	147	102
90 PERCENT EXCEEDS	50	36	18

e Estimated

YAZOO RIVER BASIN

123

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.--3.97 mi², revised.

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: Nov. 17-28. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Apr. 28	0115	*727	*7.01	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	2.5	2.6	1.7	2.4	3.2	3.9	4.2	2.0	2.7	6.4	1.3
2	1.9	2.6	2.6	1.7	2.4	2.9	3.8	2.6	1.9	2.7	5.9	1.4
3	1.9	2.6	6.6	1.7	2.3	2.9	14	3.4	1.9	3.2	5.2	1.4
4	2.0	2.6	2.3	1.7	2.3	6.2	3.2	2.1	5.0	3.0	4.8	1.3
5	2.1	3.0	2.3	18	2.3	64	2.9	1.9	38	15	4.5	1.4
6	2.1	2.1	2.4	3.7	2.3	17	3.0	1.9	2.4	2.8	4.4	1.4
7	2.3	2.0	2.6	41	2.3	34	3.1	3.0	2.1	2.7	7.2	1.5
8	2.5	2.1	4.1	18	2.3	59	6.0	2.1	2.0	2.7	3.7	1.5
9	2.6	2.1	6.7	4.5	2.6	15	3.0	1.8	2.1	12	2.9	1.5
10	2.6	2.1	2.9	3.1	16	6.1	2.8	1.8	2.1	26	2.9	1.5
11	2.6	2.1	2.3	12	12	4.5	2.8	1.8	2.1	7.3	3.1	1.5
12	2.6	2.1	2.3	7.5	2.8	3.8	2.9	2.1	2.1	6.0	19	1.6
13	7.1	2.8	2.3	3.4	2.6	3.6	2.9	2.1	2.5	24	2.4	1.7
14	2.1	1.9	2.3	2.9	2.6	3.6	2.9	2.1	2.1	14	29	1.6
15	2.1	2.0	2.3	15	9.4	3.6	2.9	2.3	2.3	3.1	4.5	1.5
16	2.1	2.3	2.3	12	40	5.3	5.0	2.3	2.6	3.2	2.4	1.7
17	2.3	e2.3	2.1	4.8	33	24	2.9	2.4	2.9	3.2	1.9	1.7
18	2.3	e2.3	2.1	17	5.9	4.7	34	2.6	2.9	3.7	1.9	1.6
19	2.3	e2.2	2.1	7.2	4.0	4.4	5.5	2.6	2.9	4.5	1.8	1.7
20	2.3	e2.2	2.1	4.1	3.4	3.7	3.3	2.6	2.9	5.7	1.9	1.7
21	3.0	e2.1	13	3.6	3.1	3.2	3.4	2.6	2.8	5.5	2.0	1.7
22	2.3	e2.1	1.9	9.7	14	3.2	3.4	2.6	2.9	5.7	2.0	1.7
23	2.7	e2.1	13	3.9	5.4	3.2	3.2	2.6	2.8	5.5	1.9	1.7
24	18	e2.2	32	3.1	3.3	3.3	3.2	2.6	2.9	11	1.8	1.7
25	35	e2.2	2.1	2.9	3.2	3.3	3.4	2.7	2.9	4.6	1.7	1.7
26	3.1	e2.2	1.9	3.5	25	3.6	3.2	3.2	3.2	3.3	1.6	1.8
27	2.1	e2.3	1.8	3.1	6.9	4.3	18	2.3	3.4	3.4	1.4	1.9
28	2.1	e2.6	1.8	2.7	3.7	4.1	170	4.1	3.7	3.8	1.3	1.9
29	2.1	4.7	2.1	2.6	---	4.4	6.5	6.7	3.7	4.7	1.3	1.9
30	2.3	2.6	1.7	2.5	---	4.6	28	2.0	6.7	4.9	1.3	1.9
31	2.6	---	1.7	2.4	---	5.4	---	2.1	---	5.3	1.3	---
TOTAL	125.0	71.0	130.3	221.0	217.5	314.1	353.1	81.2	119.8	205.2	133.4	48.4
MEAN	4.03	2.37	4.20	7.13	7.77	10.1	11.8	2.62	3.99	6.62	4.30	1.61
MAX	35	4.7	32	41	40	64	170	6.7	38	26	29	1.9
MIN	1.9	1.9	1.7	1.7	2.3	2.9	2.8	1.8	1.9	2.7	1.3	1.3
MED	2.3	2.2	2.3	3.6	3.3	4.3	3.3	2.4	2.8	4.6	2.4	1.7
CFSM	1.79	1.05	1.87	3.17	3.45	4.50	5.23	1.16	1.77	2.94	1.91	.72
IN.	2.07	1.17	2.15	3.65	3.60	5.19	5.84	1.34	1.98	3.39	2.21	.80

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1998, BY WATER YEAR (WY)

	MEAN	3.03	4.85	7.54	7.00	10.2	7.37	7.10	4.23	5.96	4.10	3.34	3.02
MAX	5.19	14.3	19.4	20.9	35.5	15.0	29.5	9.37	17.8	7.11	6.80	6.97	
(WY)	1997	1987	1991	1997	1991	1997	1991	1991	1997	1989	1992	1996	
MIN	1.96	2.37	2.69	2.65	2.60	2.96	2.36	2.30	2.08	2.29	1.95	1.61	
(WY)	1990	1998	1990	1986	1986	1993	1986	1987	1988	1987	1988	1998	

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1986 - 1998

	ANNUAL TOTAL	2923.7	2020.0	
ANNUAL MEAN	8.01	5.53	5.62	
HIGHEST ANNUAL MEAN			10.2	1991
LOWEST ANNUAL MEAN			3.39	1993
HIGHEST DAILY MEAN	175	Jun 17	170	Apr 28
LOWEST DAILY MEAN	1.7	Dec 30	1.3	Aug 28
ANNUAL SEVEN-DAY MINIMUM	1.9	Dec 25	1.3	Aug 27
INSTANTANEOUS PEAK FLOW			727	Apr 28
INSTANTANEOUS PEAK STAGE			7.01	Apr 28
INSTANTANEOUS LOW FLOW			1.3	Aug 27-29a
ANNUAL RUNOFF (CFSM)	3.56		2.46	
ANNUAL RUNOFF (INCHES)	48.34		33.40	
10 PERCENT EXCEEDS	18		12	
50 PERCENT EXCEEDS	2.6		2.7	
90 PERCENT EXCEEDS	2.1		1.7	

e Estimated

a Also occurred on Aug. 30 - Sept. 2, Sept. 3, 4, 5, 6.

YAZOO RIVER BASIN

07274252 OTOUCALOFA CREEK CANAL NEAR WATER VALLEY, MS

LOCATION.--Lat 34°08'36", long 89°38'59", in SE¹/₄ NE¹/₄ sec.7, T.11 S., R.4 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, on right bank at upstream side of bridge on State Highway 7 Bypass, 1.0 mi west of Water Valley, 4.2 mi upstream from mouth, and 0.1 mi downstream from Johnson Creek.

DRAINAGE AREA.--97.1 mi².

PERIOD OF RECORD.--July 1985 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 250.95 ft above sea level.

REMARKS.--Estimated daily discharges: Oct. 26 - Nov. 5. Records good except for estimated daily discharges, which are poor. Unpublished records of daily specific conductance, pH, water temperature, and dissolved oxygen during selected storm events are available in files of District office. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	46	e139	65	86	90	171	115	422	59	47	45	38
2	45	e122	61	84	88	147	93	199	54	43	44	37
3	44	e94	101	81	89	134	183	185	50	46	44	39
4	43	e76	107	79	85	130	112	141	61	43	42	37
5	43	e64	75	666	80	1700	95	114	932	49	42	35
6	41	79	66	273	79	874	89	104	317	42	43	35
7	41	72	63	983	78	625	85	112	111	40	60	36
8	40	67	80	1070	77	2170	85	116	83	40	66	35
9	40	64	89	263	76	635	87	90	73	39	105	35
10	40	63	175	160	125	268	81	85	67	84	56	36
11	39	64	103	439	1180	202	77	79	64	73	54	34
12	39	63	81	429	227	172	74	74	61	74	231	35
13	52	68	73	202	144	158	73	69	64	241	140	35
14	65	72	69	146	121	146	73	65	62	133	93	34
15	46	65	66	429	123	137	72	64	60	69	130	33
16	42	62	64	735	1410	136	81	62	56	62	106	34
17	41	60	63	301	1560	804	113	59	52	53	64	36
18	40	60	61	434	377	272	780	57	50	49	55	34
19	42	60	60	538	204	178	798	55	50	47	50	34
20	40	60	60	206	165	195	184	53	48	45	48	33
21	41	61	264	161	142	154	134	53	47	48	50	34
22	45	61	187	392	332	135	125	52	46	46	49	33
23	43	59	129	251	499	125	114	51	45	44	49	33
24	248	58	2060	161	192	119	100	51	44	49	44	33
25	999	69	429	133	162	115	91	51	43	69	45	32
26	e1100	61	195	123	873	108	85	69	43	59	43	32
27	e650	58	134	137	744	103	99	77	42	49	42	32
28	e400	58	113	118	235	99	2770	62	41	48	42	33
29	e230	80	124	107	---	96	582	185	41	50	41	32
30	e94	74	112	100	---	92	1300	107	45	50	41	32
31	e122	---	95	94	---	97	---	68	---	47	40	---
TOTAL	4841	2113	5424	9381	9557	10497	8750	3031	2811	1878	2004	1031
MEAN	156	70.4	175	303	341	339	292	97.8	93.7	60.6	64.6	34.4
MAX	1100	139	2060	1070	1560	2170	2770	422	932	241	231	39
MIN	39	58	60	79	76	92	72	51	41	39	40	32
CFSM	1.61	.73	1.80	3.12	3.52	3.49	3.00	1.01	.96	.62	.67	.35
IN.	1.85	.81	2.08	3.59	3.66	4.02	3.35	1.16	1.08	.72	.77	.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1998, BY WATER YEAR (WY)

	MEAN	57.1	128	264	243	368	298	273	175	175	93.7	64.5	53.0
MAX	156	496	832	465	1018	535	1351	778	539	366	193	116	
(WY)	1998	1987	1992	1989	1991	1997	1991	1991	1997	1989	1992	1997	
MIN	23.8	49.4	57.8	42.0	69.1	103	49.1	30.5	19.3	24.6	18.2	18.7	
(WY)	1988	1994	1986	1986	1986	1988	1986	1988	1988	1988	1988	1986	

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1986 - 1998

ANNUAL TOTAL	88890	61318	182
ANNUAL MEAN	244	168	393
HIGHEST ANNUAL MEAN			66.8
LOWEST ANNUAL MEAN			14800
HIGHEST DAILY MEAN	3130	Mar 2	2770
LOWEST DAILY MEAN	28	Sep 17	32
ANNUAL SEVEN-DAY MINIMUM	29	Sep 15	32
INSTANTANEOUS PEAK FLOW			5230
INSTANTANEOUS PEAK STAGE			12.71
INSTANTANEOUS LOW FLOW			29
ANNUAL RUNOFF (CFSM)	2.51	1.73	1.87
ANNUAL RUNOFF (INCHES)	34.05	23.49	25.40
10 PERCENT EXCEEDS	616	350	350
50 PERCENT EXCEEDS	100	73	67
90 PERCENT EXCEEDS	45	40	26

e Estimated

07275530 PETERS (LONG) CREEK NEAR POPE, MS

LOCATION.--Lat 34°12'50", long 89°58'54", in NW¼ SE¼ 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.--December 1986 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 182.51 ft above sea level.

REMARKS.--Estimated daily discharges: Nov. 5-8, 10-15 and Dec. 7-13. Records good except for estimated daily discharges, which are poor. Unpublished records of daily specific conductance, pH, and water temperature during selected storm events are available in files of District office. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16	28	16	13	23	33	37	92	18	15	14	13
2	16	17	16	12	22	27	34	47	18	17	14	14
3	16	15	24	12	21	23	470	46	17	27	14	14
4	15	14	24	12	20	23	68	36	19	13	14	14
5	15	e20	16	1550	19	1330	47	32	44	13	13	14
6	15	e34	15	281	17	322	41	30	28	13	14	13
7	15	e20	e17	1490	17	712	38	32	18	13	14	13
8	15	e18	e25	816	16	2060	36	28	17	13	21	13
9	15	14	e23	117	15	306	34	27	16	13	16	13
10	15	e14	e21	52	39	103	32	26	16	15	14	13
11	15	e14	e19	565	693	71	31	26	16	19	14	14
12	15	e15	e17	926	52	57	30	26	16	18	16	14
13	16	e19	e16	101	31	51	30	25	17	96	15	14
14	23	e32	15	51	24	47	31	24	15	18	117	13
15	17	e17	15	692	24	44	31	23	15	21	71	13
16	15	15	15	690	1200	46	47	23	15	20	17	13
17	15	15	16	220	1760	797	49	23	14	15	15	16
18	15	15	16	327	161	117	497	22	15	15	15	14
19	16	15	16	236	55	77	200	21	14	14	15	13
20	16	16	16	71	37	85	54	21	14	14	14	12
21	16	17	268	62	29	61	42	20	14	14	14	12
22	17	17	73	427	288	52	38	20	14	14	14	12
23	16	16	41	127	226	48	36	20	14	14	14	12
24	168	16	1800	58	47	46	33	20	14	14	14	12
25	151	16	80	42	33	43	31	21	14	20	14	12
26	118	16	32	38	906	40	30	21	14	20	14	12
27	26	16	24	58	208	39	76	21	14	15	13	12
28	16	n16	19	39	53	38	3760	19	14	15	13	12
29	15	17	24	32	---	36	219	28	14	14	13	12
30	14	18	20	28	---	35	676	22	15	15	13	12
31	26	---	15	25	---	36	---	19	---	14	14	---
TOTAL	899	532	2754	9170	6036	6805	6778	861	503	571	607	390
MEAN	29.0	17.7	88.8	296	216	220	226	27.8	16.8	18.4	19.6	13.0
MAX	168	34	1800	1550	1760	2060	3760	92	44	96	117	16
MIN	14	14	15	12	15	23	30	19	14	13	13	12
CFSM	.37	.22	1.12	3.73	2.72	2.77	2.85	.35	.21	.23	.25	.16
IN.	.42	.25	1.29	4.31	2.84	3.20	3.18	.40	.24	.27	.29	.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1998, BY WATER YEAR (WY)

	MEAN	43.0	69.2	169	189	307	239	189	83.0	88.4	54.4	35.0	30.2
MAX	43.0	214	418	393	836	350	947	257	333	323	78.2	133	
(WY)	1997	1992	1992	1989	1991	1995	1991	1989	1997	1989	1993	1997	
MIN	9.09	17.7	79.7	64.5	58.6	57.6	36.2	13.6	9.26	12.7	12.6	9.35	
(WY)	1988	1998	1995	1987	1996	1993	1992	1988	1988	1993	1990	1987	

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1987 - 1998

ANNUAL TOTAL	54105.6	35906	125
ANNUAL MEAN	148	98.4	228
HIGHEST ANNUAL MEAN			64.0
LOWEST ANNUAL MEAN			1991
HIGHEST DAILY MEAN	4580	Jun 17	11700
LOWEST DAILY MEAN	9.6	Sep 21	1.8
ANNUAL SEVEN-DAY MINIMUM	11	Sep 15	2.6
INSTANTANEOUS PEAK FLOW			26500
INSTANTANEOUS PEAK STAGE			21.13
INSTANTANEOUS LOW FLOW			1.6
ANNUAL RUNOFF (INCHES)	1.87	1.24	1.58
ANNUAL RUNOFF (INCHES)	25.41	16.86	21.52
10 PERCENT EXCEEDS	315	137	191
50 PERCENT EXCEEDS	28	19	23
90 PERCENT EXCEEDS	15	14	10

e Estimated

a Also occurred all or part of Jan. 2-5, July 7-10, Sept. 19-30.

07275900 COLDWATER RIVER NEAR OLIVE BRANCH, MS

LOCATION.--Lat 34°54'19", long 89°45'13", in SW1/4 sec.17, T.2 S., R.5 W., Chickasaw Meridian, Desoto County, Hydrologic Unit 08030204 at State Highway 178, about 7 miles east of Olive Branch, Mississippi.

DRAINAGE AREA.--191 mi².

PERIOD OF RECORD.--October 1996 to current year.

GAGE.--Water-stage recorder. Datum of gage is 280.0 ft above sea level (Mississippi Department of Transportation datum).

REMARKS.--Water Year 1997: Estimated daily discharges: Oct. 29 - Dec. 4, Mar. 28 - Apr. 3, 5-6, and Sept. 9-12. Records fair except for estimated daily discharges, which are poor.

Water Year 1998: Estimated daily discharges: Nov. 22-24, Feb. 5-8, 24-26, and Mar. 11-15. Records good except estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Water Year 1997: Maximum discharge, 9,030 ft³/s, Mar. 3, gage height, 10.84 ft; minimum, 59 ft³/s, July 7.

Water Year 1998: Maximum discharge, 2,810 ft³/s, Apr. 30, gage height, 8.81 ft; minimum, 55 ft³/s, July 2.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	196	e323	e372	150	167	1800	e110	283	464	274	74	79
2	122	e269	e348	134	139	6700	e105	195	336	135	70	87
3	104	e203	e292	125	163	5990	e108	177	196	93	68	83
4	89	e155	e260	132	337	3080	185	288	146	78	67	71
5	84	e139	206	223	2610	2460	e715	254	121	67	70	68
6	82	e130	183	221	1890	3860	e840	149	111	63	76	66
7	81	e184	181	221	1230	2270	775	119	103	60	69	66
8	78	e221	155	162	742	1260	530	105	95	61	74	70
9	74	e220	126	164	550	589	213	97	90	133	129	e151
10	73	e192	113	164	491	335	152	95	146	406	150	e206
11	71	e169	110	149	301	262	138	93	554	183	208	e145
12	70	e143	118	122	217	217	153	88	458	102	189	e77
13	69	e121	136	105	279	191	166	84	387	97	108	70
14	70	e110	147	97	363	201	145	83	202	124	102	67
15	70	e102	124	138	448	228	127	82	135	213	110	66
16	70	e100	199	215	381	194	116	80	116	135	92	66
17	71	e139	314	228	225	157	110	78	884	105	78	65
18	79	e163	387	213	181	158	108	77	2420	87	72	65
19	105	e160	374	145	163	425	107	80	1820	77	70	64
20	104	e152	321	130	157	596	104	162	1180	70	93	63
21	121	e136	213	128	409	619	103	173	584	66	95	62
22	195	e120	157	146	476	333	98	127	167	117	91	63
23	215	e110	148	164	614	199	109	93	107	158	76	73
24	228	e112	260	270	321	159	146	86	92	91	70	841
25	212	e184	276	318	190	167	118	254	78	80	67	1890
26	249	e190	309	342	170	246	104	394	74	75	66	1930
27	276	e190	301	309	360	268	164	620	107	72	66	1460
28	317	e198	291	322	523	e190	329	647	173	69	65	676
29	e350	e269	294	293	---	e144	453	412	263	109	65	152
30	e364	e356	249	286	---	e120	440	201	272	120	64	105
31	e362	---	182	242	---	e115	---	367	---	87	64	---
TOTAL	4651	5260	7146	6058	14097	33533	7071	6043	11881	3607	2758	8947
MEAN	150	175	231	195	503	1082	236	195	396	116	89.0	298
MAX	364	356	387	342	2610	6700	840	647	2420	406	208	1930
MIN	69	100	110	97	139	115	98	77	74	60	64	62
MED	104	162	213	164	349	262	142	127	170	93	74	72

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

	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997
MEAN	150	175	231	195	503	1082	236	195	396	116	89.0	298
MAX	150	175	231	195	503	1082	236	195	396	116	89.0	298
(WY)	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997
MIN	150	175	231	195	503	1082	236	195	396	116	89.0	298
(WY)	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997	1997

SUMMARY STATISTICS

FOR 1997 WATER YEAR

ANNUAL TOTAL	111052
ANNUAL MEAN	304
HIGHEST DAILY MEAN	6700
LOWEST DAILY MEAN	60
ANNUAL SEVEN-DAY MINIMUM	64
INSTANTANEOUS PEAK FLOW	9030
INSTANTANEOUS PEAK STAGE	10.84
INSTANTANEOUS LOW FLOW	59
10 PERCENT EXCEEDS	482
50 PERCENT EXCEEDS	151
90 PERCENT EXCEEDS	70

e Estimated

07275900 COLDWATER RIVER NEAR OLIVE BRANCH, MS--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	149	99	116	119	753	141	1580	102	57	184	69
2	76	177	99	105	115	333	142	972	81	55	132	69
3	73	179	99	100	112	179	175	693	72	57	105	68
4	71	126	109	99	110	151	246	337	67	58	91	67
5	71	105	126	260	e108	290	215	160	77	63	84	67
6	71	106	112	458	e106	1330	140	134	181	77	80	67
7	71	126	100	1220	e103	2090	119	164	259	69	95	67
8	70	127	100	1730	e100	2110	192	222	171	64	131	67
9	70	113	115	1880	98	1730	221	174	95	100	160	67
10	71	115	130	1330	270	1440	244	123	82	90	159	65
11	72	108	123	833	692	e900	150	106	78	87	147	65
12	72	102	112	497	878	e505	119	96	73	113	161	66
13	74	110	102	446	893	e291	107	89	68	116	216	68
14	81	142	96	579	521	e205	103	84	65	118	277	70
15	96	160	94	540	211	e150	103	79	64	191	150	70
16	86	133	92	841	593	158	102	77	63	270	114	69
17	78	112	90	1470	1360	256	102	76	61	284	100	69
18	75	103	90	1360	2480	276	105	72	61	138	92	71
19	74	101	89	1030	1920	268	109	69	61	93	87	70
20	74	101	89	626	1110	302	126	68	61	79	82	75
21	75	103	126	425	429	382	119	68	61	72	79	118
22	76	e104	220	326	210	330	110	67	61	70	76	238
23	83	e104	236	288	180	194	107	66	60	69	75	213
24	89	e100	530	243	e179	161	97	66	59	69	74	109
25	123	99	590	192	e170	152	89	65	59	79	73	82
26	473	97	731	163	e265	141	83	114	58	106	72	75
27	438	97	586	160	602	132	127	161	58	139	72	72
28	286	100	268	159	1090	124	653	111	57	200	70	70
29	136	102	168	146	---	119	768	166	57	256	70	69
30	108	102	148	135	---	115	2460	270	57	274	70	68
31	98	---	133	126	---	120	---	173	---	299	69	---
TOTAL	3495	3503	5802	17883	15024	15687	7574	6702	2429	3812	3447	2480
MEAN	113	117	187	577	537	506	252	216	81.0	123	111	82.7
MAX	473	179	731	1880	2480	2110	2460	1580	259	299	277	238
MIN	70	97	89	99	98	115	83	65	57	55	69	65
MED	76	106	112	425	238	268	123	111	64	90	91	69

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 1998, BY WATER YEAR (WY)

	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998	1997	1998
MEAN	131	146	209	386	520	794	244	206	239	120	100	190
MAX	150	175	231	577	537	1082	252	216	396	123	111	298
(WY)	1997	1997	1997	1998	1998	1997	1998	1998	1997	1998	1998	1997
MIN	113	117	187	195	503	506	236	195	81.0	116	89.0	82.7
(WY)	1998	1998	1998	1997	1997	1998	1997	1997	1998	1997	1997	1998

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1997 - 1998

ANNUAL TOTAL	106795	87838		
ANNUAL MEAN	293	241		
HIGHEST ANNUAL MEAN			272	
LOWEST ANNUAL MEAN			304	1997
HIGHEST DAILY MEAN			241	1998
LOWEST DAILY MEAN	6700	Mar 2	2480	Feb 18
ANNUAL SEVEN-DAY MINIMUM	60	Jul 7	55	Jul 2
INSTANTANEOUS PEAK FLOW	64	Sep 16	57	Jun 27
INSTANTANEOUS PEAK STAGE			2810	Apr 30
INSTANTANEOUS LOW FLOW			8.81	Apr 30
10 PERCENT EXCEEDS	538		55	Jul 2-3
50 PERCENT EXCEEDS	126		529	
90 PERCENT EXCEEDS	70		126	
			69	

e Estimated

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS

LOCATION.--Lat 34°37'54", long 89°55'30", in SE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.22, T.5 S., R.7 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, on left bank at downstream side of bridge on county road, 1.7 mi east of Senatobia, 1.5 mi upstream from mouth, and 0.9 mi downstream from Basket Creek.

DRAINAGE AREA.--121 mi².

PERIOD OF RECORD.--Water years 1975, 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.--Estimated daily discharges: Oct. 1, Dec. 18-20, Jan. 30-31, Feb. 3-9, Mar. 16, Apr. 21-May 1, 5-8, 12-15, 21-26, 31-June 4, 21-July 9, Sept. 5-10, 15-20. Discharge records fair except for estimated daily discharges, which are poor. Satellite telemeter at station. Unpublished records of daily specific conductance, pH, water temperature, and dissolved oxygen during selected storm events are available in files of District office.

AVERAGE DISCHARGE.--12 years, 192 ft³/s, 21.55 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, 15,700 ft³/s, Apr. 27, gage height, 16.65 ft; minimum, 29 ft³/s, Nov. 28, 29.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,260 mg/L, Apr. 28; minimum daily mean, 9 mg/L, Nov. 23-24.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 20,700 tons, Apr. 28; minimum daily, 1.0 ton, Nov. 25.

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER			NOVEMBER			DECEMBER			
1	55	44	6.5	65	56	9.7	41	11	1.2
2	55	43	6.3	54	40	5.8	41	16	1.8
3	61	41	6.8	58	32	5.0	45	23	2.8
4	63	40	6.8	52	48	6.6	50	21	2.9
5	59	38	6.1	53	46	6.6	54	20	2.9
6	61	36	5.9	63	40	6.7	58	18	2.8
7	43	34	3.9	54	34	5.0	56	18	2.8
8	45	32	3.9	51	30	4.1	69	19	3.5
9	57	32	4.9	50	27	3.6	63	19	3.2
10	59	32	5.1	50	24	3.2	62	17	2.9
11	57	32	4.9	47	18	2.4	69	16	2.9
12	40	28	3.0	42	15	1.7	64	14	2.5
13	47	23	2.9	56	14	2.1	61	15	2.5
14	46	21	2.6	70	13	2.4	60	16	2.6
15	38	25	2.6	54	12	1.7	57	17	2.6
16	43	24	2.7	44	11	1.4	57	18	2.7
17	43	22	2.6	44	11	1.4	60	18	3.0
18	42	24	2.7	46	13	1.6	57	20	3.1
19	40	25	2.7	43	15	1.7	57	22	3.4
20	39	24	2.6	41	17	1.9	57	23	3.5
21	44	17	2.0	41	17	1.9	325	248	350
22	48	12	1.6	45	12	1.5	243	74	51
23	43	11	1.3	48	9	1.2	156	43	18
24	120	67	24	44	9	1.1	1860	956	7140
25	261	675	1060	39	10	1.0	312	90	81
26	418	910	1610	34	13	1.2	232	50	31
27	82	51	12	36	18	1.8	224	32	19
28	46	36	4.5	33	22	2.0	201	27	15
29	40	31	3.4	32	21	1.8	215	24	14
30	40	34	3.7	37	17	1.7	203	21	12
31	57	40	6.3				177	19	8.9
JANUARY			FEBRUARY			MARCH			
1	159	17	7.2	87	22	5.2	144	66	26
2	150	15	6.2	81	23	4.9	114	59	18
3	139	16	5.8	70	23	4.3	91	54	13
4	123	16	5.3	64	24	4.1	82	75	18
5	1480	618	4560	63	23	3.9	1790	544	3530
6	513	197	280	62	24	4.0	974	531	1750
7	2950	1120	13500	60	24	3.9	520	308	796
8	1500	487	3500	59	25	4.0	2460	961	9230
9	298	103	85	58	25	3.9	429	216	287
10	182	69	34	1250	667	3180	209	79	46
11	808	557	2920	1670	583	4310	162	36	16
12	2090	693	6090	298	85	72	141	35	13
13	292	147	121	197	41	22	133	41	15
14	163	97	43	149	31	12	117	46	14
15	1370	662	8730	118	27	8.9	100	45	12
16	1240	528	2580	1990	497	3430	100	43	12
17	355	211	205	1760	751	6020	561	514	919
18	300	230	208	308	119	106	203	159	90
19	321	333	307	179	57	28	273	345	485
20	187	139	71	140	41	16	353	303	357
21	155	62	26	94	32	8.1	176	65	31
22	206	69	40	105	53	20	130	41	14
23	184	51	26	226	107	71	109	32	9.4
24	130	33	12	110	42	13	98	32	8.3
25	107	28	8.2	85	31	7.2	84	32	7.2
26	93	27	6.7	1520	836	8000	70	28	5.4
27	164	25	11	503	186	288	70	26	4.9
28	131	23	8.0	207	78	44	69	29	5.5
29	109	21	6.3				65	35	6.1
30	100	22	5.9				61	44	7.2
31	95	22	5.6				72	91	19

YAZOO RIVER BASIN

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

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	86	55	14	270	293	213	48	96	12
2	61	45	7.4	193	132	69	46	68	8.4
3	215	71	42	238	218	151	48	54	7.0
4	122	76	26	111	106	34	59	51	8.1
5	80	61	13	67	77	14	421	1020	1650
6	67	55	9.9	61	71	12	136	157	63
7	71	61	12	55	66	9.8	67	72	13
8	100	99	31	52	61	8.6	50	61	8.2
9	122	100	35	49	54	7.1	47	57	7.2
10	83	64	14	46	49	6.1	44	52	6.3
11	73	55	11	44	52	6.2	44	49	5.8
12	68	52	9.6	50	59	8.0	39	47	4.9
13	72	50	9.7	50	66	8.9	39	45	4.8
14	75	50	10	50	73	9.9	41	46	5.1
15	69	49	9.1	55	70	10	43	46	5.4
16	77	52	11	47	65	8.2	42	47	5.4
17	112	116	38	44	60	7.2	45	48	5.8
18	86	76	19	46	57	7.0	46	48	6.0
19	135	91	34	47	56	7.1	46	49	6.1
20	80	66	14	46	54	6.7	45	50	6.1
21	87	56	13	52	53	7.4	45	51	6.2
22	83	53	12	50	52	7.0	45	51	6.2
23	80	50	11	50	48	6.5	45	52	6.3
24	77	50	10	50	46	6.2	45	50	6.1
25	74	49	9.8	50	51	6.9	45	48	5.8
26	77	54	11	60	54	8.7	45	46	5.6
27	523	102	144	63	52	8.8	45	44	5.3
28	6080	1260	20700	100	202	96	46	43	5.3
29	575	453	703	275	542	451	46	42	5.2
30	1980	900	4810	91	214	54	45	44	5.3
31				60	138	23			
JULY			AUGUST			SEPTEMBER			
1	44	47	5.6	69	44	8.2	39	31	3.3
2	42	44	5.0	60	41	6.7	40	33	3.5
3	40	41	4.4	54	39	5.6	41	34	3.7
4	40	39	4.2	50	48	6.5	40	33	3.5
5	40	39	4.2	46	39	4.8	40	31	3.3
6	40	40	4.3	44	38	4.5	40	30	3.2
7	39	40	4.2	48	40	5.2	40	29	3.1
8	39	41	4.3	58	42	6.6	40	27	2.9
9	38	41	4.2	375	509	890	40	27	2.9
10	107	50	16	125	114	47	40	27	2.9
11	128	135	50	567	762	2480	41	27	3.0
12	137	138	66	271	247	323	39	31	3.3
13	127	180	110	180	194	116	38	36	3.7
14	616	979	2420	208	377	358	36	41	4.0
15	261	295	275	87	114	30	36	42	4.1
16	121	145	51	52	71	10	36	42	4.1
17	73	74	15	45	56	6.8	36	42	4.1
18	63	50	8.4	41	45	4.9	35	41	3.9
19	57	40	6.2	39	36	3.7	35	41	3.9
20	52	35	4.9	37	34	3.4	35	41	3.9
21	50	36	4.8	36	36	3.5	212	318	309
22	48	38	4.9	37	35	3.4	48	77	10
23	46	39	4.8	36	33	3.3	42	56	6.3
24	43	39	4.5	36	34	3.3	40	49	5.3
25	235	255	329	37	35	3.5	39	48	5.1
26	164	122	66	37	36	3.7	35	46	4.4
27	64	57	9.9	37	38	3.8	37	63	6.7
28	330	353	600	37	38	3.8	33	51	4.5
29	611	369	1020	36	33	3.2	34	41	3.7
30	172	92	48	39	29	3.0	35	38	3.6
31	87	44	11	38	30	3.0			

YAZOO RIVER BASIN

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07277730 SENATOBIA CREEK NEAR SENATOBIA,

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.--62.8 mi², revised.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 28, 1982, reached a stage of 26.10 ft (from information by US Army Corps of Engineers).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	21	12	20	22	51	23	102	19	15	20	16
2	14	16	12	19	22	43	21	50	18	14	18	16
3	14	14	13	19	21	38	166	65	18	15	18	16
4	14	13	12	19	20	38	37	40	18	14	18	15
5	14	13	12	528	20	758	27	31	87	14	17	15
6	14	14	12	282	20	292	24	28	25	14	17	15
7	14	13	12	1250	19	202	23	28	19	14	18	21
8	14	13	13	723	19	896	52	25	18	15	19	17
9	14	13	13	228	19	234	41	23	18	15	18	18
10	14	13	13	66	377	78	25	22	18	17	17	18
11	14	13	12	341	685	55	22	21	17	25	83	17
12	13	13	12	621	113	46	20	20	17	22	81	16
13	16	14	12	88	62	42	20	19	17	21	47	16
14	15	15	12	48	48	38	19	19	17	160	155	16
15	14	14	12	348	45	36	19	19	17	79	28	15
16	14	13	12	546	776	35	23	18	16	50	19	16
17	14	12	12	174	755	347	43	18	16	21	18	18
18	14	12	12	126	184	67	35	17	16	19	17	16
19	13	13	12	169	96	97	68	17	16	19	17	16
20	13	12	12	67	66	140	32	16	16	18	16	18
21	14	13	158	43	54	49	30	16	15	18	16	19
22	14	12	45	117	74	37	27	16	15	18	16	16
23	13	12	19	66	187	32	25	16	15	17	16	16
24	23	12	572	40	74	30	23	16	15	17	15	16
25	43	12	60	31	54	27	21	16	15	170	15	15
26	31	12	32	28	456	24	20	16	15	51	15	16
27	16	12	30	53	247	23	242	19	15	21	15	15
28	14	12	26	33	74	22	2260	23	15	19	15	15
29	13	12	30	27	---	22	188	120	15	170	15	15
30	13	12	28	25	---	21	801	22	15	33	15	15
31	16	---	23	23	---	22	---	19	---	21	16	---
TOTAL	491	395	1267	6168	4609	3842	4377	897	573	1136	830	489
MEAN	15.8	13.2	40.9	199	165	124	146	28.9	19.1	36.6	26.8	16.3
MAX	43	21	572	1250	776	896	2260	120	87	170	155	21
MIN	13	12	12	19	19	21	19	16	15	14	15	15
MED	14	13	12	66	64	42	26	19	17	19	17	16
AC-FT	974	783	2510	12230	9140	7620	8680	1780	1140	2250	1650	970
CFSM	.19	.16	.50	2.43	2.01	1.51	1.78	.35	.23	.45	.33	.20
IN.	.22	.18	.57	2.80	2.09	1.74	1.99	.41	.26	.52	.38	.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1986 - 1998, BY WATER YEAR (WY)

	MEAN	15.5	71.6	156	141	194	151	116	66.2	117	63.3	28.7	31.0
MAX	27.8	219	370	391	472	305	668	227	457	331	72.1	98.1	
(WY)	1997	1987	1991	1989	1990	1994	1991	1991	1989	1989	1993	1997	
MIN	10.6	13.2	34.4	25.7	32.2	24.5	11.4	8.54	8.85	8.75	9.47	7.63	
(WY)	1988	1998	1990	1987	1996	1986	1986	1986	1988	1986	1988	1987	

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1986 - 1998

ANNUAL TOTAL	34386		25074										
ANNUAL MEAN	94.2		68.7							97.3			
HIGHEST ANNUAL MEAN										175		1989	
LOWEST ANNUAL MEAN										45.8		1996	
HIGHEST DAILY MEAN	3610	Jun 17	2260	Apr 28						5890	Feb 3	1990	
LOWEST DAILY MEAN	12	Nov 17	12	Nov 17						7.2	Sep 2	1987	
ANNUAL SEVEN-DAY MINIMUM	12	Nov 22	12	Nov 22						7.3	Aug 29	1987	
INSTANTANEOUS PEAK FLOW			7580	Apr 28						12700	Sep 24	1997	
INSTANTANEOUS PEAK STAGE			15.74	Apr 28						19.55	Jun 5	1986	
INSTANTANEOUS LOW FLOW			11	Dec 2, 18-19						7.1	Sep 1	1987	
ANNUAL RUNOFF (AC-FT)	68200		49730							70470			
ANNUAL RUNOFF (CFSM)		1.15		.84						1.19			
ANNUAL RUNOFF (INCHES)		15.60		11.38						16.12			
10 PERCENT EXCEEDS		186		146						143			
50 PERCENT EXCEEDS		27		19						17			
90 PERCENT EXCEEDS		13		13						9.7			

YAZOO RIVER BASIN

07280400 TILLATOBA CREEK AT CHARLESTON, MS

LOCATION.--Lat 34°00'00", long 90°03'55", in sec.26, T.25 N., R.2 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, County code 135, at State Highway 35 at Charleston, MS.

DRAINAGE AREA.--118 mi².

PERIOD OF RECORD.--January 1996 to current year.

GAGE.--Water-stage recorder. Datum of gage is 151.025 ft above sea level (Mississippi Department of Transportation datum).

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	36	82	41	77	74	152	60	522	41	20	17	17
2	34	72	35	72	75	133	56	294	35	20	18	17
3	32	55	62	71	74	103	217	178	33	21	17	17
4	31	47	97	68	66	88	100	129	32	20	17	16
5	31	46	48	1230	58	1690	68	102	257	19	17	16
6	30	50	39	519	54	1070	58	97	150	19	16	16
7	30	48	35	1100	51	1060	55	70	47	18	17	16
8	29	43	41	1120	49	2180	52	95	37	18	24	16
9	28	37	52	390	47	756	49	60	34	18	21	16
10	28	35	95	227	64	388	45	52	33	20	19	17
11	27	34	60	446	707	268	44	47	32	65	18	17
12	26	34	44	519	203	208	42	43	31	408	17	18
13	31	39	39	264	122	171	41	40	32	86	17	20
14	37	44	36	174	92	164	43	37	34	34	21	20
15	27	37	34	471	84	146	42	36	31	210	24	19
16	24	33	33	1080	1070	142	43	35	30	52	47	19
17	23	31	33	437	1710	1230	41	33	28	33	29	19
18	22	31	31	372	551	390	143	31	27	27	25	20
19	22	31	31	426	319	240	337	30	27	22	22	22
20	22	30	31	230	235	186	101	28	26	20	21	21
21	22	31	375	187	185	137	72	28	26	19	20	20
22	23	31	315	588	346	102	66	27	25	18	19	20
23	22	29	145	391	586	89	59	26	24	19	18	19
24	225	28	1520	216	229	79	58	26	23	26	18	19
25	885	28	369	160	161	75	58	25	23	19	18	19
26	729	29	202	137	553	71	55	26	22	19	18	19
27	210	29	150	189	525	89	68	30	22	18	18	19
28	113	30	119	135	225	87	3540	65	21	18	17	19
29	84	81	124	110	---	68	710	267	21	17	17	18
30	71	63	110	94	---	60	1350	104	21	17	17	18
31	69	---	89	81	---	58	---	53	---	17	17	---
TOTAL	3023	1238	4435	11581	8515	11680	7673	2636	1225	1357	621	549
MEAN	97.5	41.3	143	374	304	377	256	85.0	40.8	43.8	20.0	18.3
MAX	885	82	1520	1230	1710	2180	3540	522	257	408	47	22
MIN	22	28	31	68	47	58	41	25	21	17	16	16
MED	30	35	52	230	173	146	58	43	31	20	18	19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 1998, BY WATER YEAR (WY)

MEAN	62.1	86.1	190	444	415	480	202	231	294	67.5	26.6	58.8
MAX	97.5	131	238	514	525	584	256	376	548	91.2	33.2	99.3
(WY)	1998	1997	1997	1997	1997	1997	1998	1997	1997	1997	1997	1997
MIN	26.7	41.3	143	374	304	377	149	85.0	40.8	43.8	20.0	18.3
(WY)	1997	1998	1998	1998	1998	1998	1997	1998	1998	1998	1998	1998

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1997 - 1998

ANNUAL TOTAL	96854	54533	
ANNUAL MEAN	265	149	212
HIGHEST ANNUAL MEAN			275
LOWEST ANNUAL MEAN			149
HIGHEST DAILY MEAN	4530	Jan 24	4530
LOWEST DAILY MEAN	15	Sep 22	6.8
ANNUAL SEVEN-DAY MINIMUM	16	Sep 16	7.1
INSTANTANEOUS PEAK FLOW			7660
INSTANTANEOUS PEAK STAGE			21.56
INSTANTANEOUS LOW FLOW			6.5
10 PERCENT EXCEEDS	693	380	550
50 PERCENT EXCEEDS	70	41	54
90 PERCENT EXCEEDS	27	18	18

07281600 TALLAHATCHIE RIVER AT MONEY, MS

LOCATION.--Lat 33°39'04", long 90°12'40", in SW1/4 sec.29, T.21 N., R.1 E., Choctaw Meridian, Leflore County, Hydrologic Unit 08030202, County code 83, at county road bridge about 9 mi north of Greenwood, MS.

DRAINAGE AREA.--5221 mi², U.S. Army Corps of Engineers

PERIOD OF RECORD.--October 1995 to current year. Jan. 22, 1948 to date, stage data available; March 1934 to date; measured discharge available in U.S. Army Corps of Engineers records.

GAGE.--Water-stage recorder. Datum of gage is 98.98 ft above sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--No estimated daily discharges. Records good. U.S. Army Corps of Engineers satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9360	10400	7890	10300	16200	15400	7270	11900	8580	2650	3340	6510
2	9370	10300	7820	10200	16000	15200	7110	12300	7850	2650	3920	6480
3	9360	9980	8040	10100	15800	15000	7060	12100	7160	2640	4690	6440
4	9310	9560	8290	9930	15500	14800	7460	11800	6640	2680	5270	6400
5	9250	9290	8440	10100	15300	14700	7720	11600	6450	2680	5490	6370
6	9190	9060	8500	10600	15000	14800	7710	11300	6800	2640	5570	6330
7	9130	8900	8500	11300	14600	15300	7630	10800	6810	2640	5590	6310
8	9100	8800	8510	12200	14100	16100	7510	10100	6360	2660	5640	6290
9	9110	8770	8490	12900	13500	16600	7360	9330	5970	2660	5720	6220
10	9130	8740	8480	13300	13000	16700	7250	8470	5630	2680	5880	5960
11	9140	8690	8400	13600	12700	16500	7040	7630	5260	2750	6040	5800
12	9130	8670	8310	14000	12600	16200	6740	6870	4920	3050	6200	5800
13	9140	8660	8210	14300	12400	15900	6410	6260	4730	3440	6320	5620
14	9160	8640	8070	14500	12300	15500	6110	6010	4550	3600	6550	5280
15	9080	8640	7850	14700	12200	15100	5750	6150	4260	4170	6880	4740
16	8940	8660	7540	15100	12400	14500	5330	6230	3800	5370	7190	4300
17	8930	8700	7100	15300	13100	14300	4870	6300	3390	5650	7320	4070
18	8980	8700	6590	15500	13600	14200	4550	6290	3130	5460	7240	4000
19	9020	8660	6030	15700	13800	13800	4990	6260	2960	4910	7060	3950
20	9040	8600	5590	15900	13900	13100	5680	6210	2850	4260	6790	3900
21	9040	8530	5520	16000	14000	12400	5090	6130	2790	3680	6480	3860
22	9050	8430	6180	16300	14100	11600	4450	5480	2750	3280	6260	3900
23	9040	8310	6880	16500	14400	10800	4050	4780	2740	3060	6300	3790
24	9130	8200	8280	16700	14600	10100	3800	5110	2700	2970	6390	3460
25	9330	8090	10000	16700	14800	9410	3640	5550	2690	2950	6450	3220
26	9780	7970	10500	16700	14900	8700	3520	5750	2670	3080	6480	3350
27	10200	7840	10700	16700	15200	8040	3420	5760	2650	3390	6470	3530
28	10400	7780	10700	16700	15400	7860	5440	5710	2640	3450	6470	3630
29	10400	8030	10700	16600	---	7790	9560	7170	2630	3320	6490	3650
30	10400	8020	10700	16500	---	7650	11000	8990	2640	3190	6510	3640
31	10400	---	10500	16400	---	7450	---	9250	---	3160	6520	---
TOTAL	290040	261620	257310	441330	395400	405500	185520	243590	135000	104770	189520	146800
MEAN	9356	8721	8300	14240	14120	13080	6184	7858	4500	3380	6114	4893
MAX	10400	10400	10700	16700	16200	16700	11000	12300	8580	5650	7320	6510
MIN	8930	7780	5520	9930	12200	7450	3420	4780	2630	2640	3340	3220

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 1998, BY WATER YEAR (WY)

	1995	1996	1997	1998
MEAN	7306	7847	9460	13100
MAX	9356	9093	12990	14900
(WY)	1998	1997	1997	1997
MIN	5145	5726	7087	10170
(WY)	1996	1996	1996	1996

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1995 - 1998
ANNUAL TOTAL	3967630	3056400	
ANNUAL MEAN	10870	8374	8403
HIGHEST ANNUAL MEAN			11130
LOWEST ANNUAL MEAN			5709
HIGHEST DAILY MEAN	18900	Mar 5	18900
LOWEST DAILY MEAN	5520	Dec 21	696
ANNUAL SEVEN-DAY MINIMUM	6270	Dec 17	865
INSTANTANEOUS PEAK FLOW		16700a	19000
INSTANTANEOUS PEAK STAGE		32.08a	33.76
INSTANTANEOUS LOW FLOW		2620	678
10 PERCENT EXCEEDS	16400	14900	14700
50 PERCENT EXCEEDS	9450	7850	8370
90 PERCENT EXCEEDS	8040	3370	2960

a Also occurred on March 10.

07281999 YALOBUSHA RIVER AT CALHOUN CITY, MS

LOCATION.--Lat 33°50'19", long 89°18'56", in SE¹/₄ SE¹/₄ sec. 23, T. 23 N., R. 9 E., Choctaw Meridian, Calhoun County, Hydrologic Unit 08030205, at downstream side of bridge on State Highways 8 & 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.

DRAINAGE AREA.--194 mi², approximately.

PERIOD OF RECORD.--Water years 1970, 1972, 1997 to current year.

PERIOD OF DAILY RECORD.--

DISCHARGE: October 1950 to current year.

SUSPENDED SEDIMENT CONCENTRATION: October 1996 to January 1998 (discontinued).

SUSPENDED SEDIMENT DISCHARGE: October 1996 to January 1998 (discontinued).

INSTRUMENTATION.--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. Automatic pumping sediment sampler since October 1996.

REMARKS.--No estimated daily discharge. Discharge records fair. Flow intermingles with Topashaw Creek Canal when stage is above bank full. Channel rectification was completed in 1967. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISCHARGE: No flow at times during several years.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,530 mg/L, May 24, 1997; minimum daily mean, 25 mg/L, July 26, 1997.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 38,700 tons, May 3, 1997; minimum daily, 0.49 ton, Oct. 10-11, 1997.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum gage height, 21.07 ft, Mar. 5; minimum daily discharge, 3.0 ft³/s, Sept. 26-27.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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, NO ₂ -NO ₃ 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												
23...	0815	23	210	6.7	15.0	6.5	<.010	<.020	.150	.060	.030	10
NOV												
15...	0800	21	147	6.6	10.0	10.1	.010	.030	.140	.090	.070	12
DEC												
04...	1135	348	--	--	--	--	.020	.050	.040	.090	.060	13
JAN												
02...	1630	194	139	6.7	15.0	8.8	.010	.060	.220	.080	.070	11
16...	0830	1810	64	6.3	4.5	11.8	.020	.120	.080	.230	.100	--
FEB												
04...	1230	348	111	6.2	14.0	9.3	.010	.090	.060	.090	.040	8.2
26...	0730	208	129	6.5	12.0	12.6	<.010	.080	.030	.050	.060	10
MAR												
19...	1500	991	113	6.6	15.5	9.8	.020	.090	.080	.130	.060	16
APR												
09...	1600	108	114	6.3	18.0	8.7	.010	.060	.050	.100	.030	12
28...	1110	E875	125	6.3	16.0	8.3	.024	.700	.190	.120	.070	12
JUN												
10...	1820	2790	64	6.3	21.0	7.8	.028	.170	.050	.130	.050	5.5
JUL												
02...	1330	E114	91	7.0	33.0	9.5	<.010	<.020	.340	.060	.020	6.1
29...	1050	E33	165	6.8	30.0	7.2	<.010	.030	.090	.020	.040	4.3
AUG												
13...	0800	E775	150	6.5	26.0	6.3	.016	.190	.100	.120	.060	4.3
SEP												
03...	1040	E17	205	6.8	27.5	7.5	<.010	.030	.240	<.020	<.010	4.6
23...	1515	E6.7	252	7.2	25.5	9.3	<.010	.020	.140	.050	<.010	4.8

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	ALDRIN, TOTAL (UG/L) (39330)	CHLOR- DANE, TECH- NICAL TOTAL (UG/L) (39350)	CHLOR- PYRIFOS TOTAL RECOVER (UG/L) (38932)	P, P'- DDD UNFILT RECOVER (UG/L) (39360)	P, P'- DDE, UNFILT RECOVER (UG/L) (39365)	P, P'- DDT UNFILT RECOVER (UG/L) (39370)	DEF TOTAL (UG/L) (39040)	DI- AZINON, TOTAL (UG/L) (39570)	DI- ELDRIN TOTAL (UG/L) (39380)	DISUL- FOTON UNFILT RECOVER (UG/L) (39011)	ENDO- SULFAN I TOTAL (UG/L) (39388)	ENDRIN WATER UNFLTRD REC (UG/L) (39390)
JUL 29...	<.010	<.100	.060	<.010	<.010	<.010	<.010	<.010	<.010	<.010	.010	<.010
DATE	ETHION, TOTAL (UG/L) (39398)	FONOFOS (DY- FONATE) WATER WHOLE TOT. REC (UG/L) (82614)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALA- THION, TOTAL (UG/L) (39530)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARA- THION, TOTAL (UG/L) (39600)	MIREX, TOTAL (UG/L) (39755)	PARA- THION, TOTAL (UG/L) (39540)	PCB, TOTAL (UG/L) (39516)	
JUL 29...	<.010	<.010	<.010	<.010	<.010	.050	<.010	.040	<.010	<.010	<.100	
DATE	PCNS UNFILT RECOVER (UG/L) (39250)	PER- THANE TOTAL (UG/L) (39034)	PHORATE TOTAL (UG/L) (39023)	TOX- APHENE, TOTAL (UG/L) (39400)	TOTAL TRI- THION (UG/L) (39786)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ALDI- CARB SULFONE FOXIDE, WAT. FLT GF 0.7U REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT. FLT GF 0.7U REC (UG/L) (49314)	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CARBO- FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	3HYDRXY CARBO- FURAN WAT. FLT GF 0.7U REC (UG/L) (49308)	
JUL 29...	<.100	<.100	<.010	<1.00	<.010	<.0160	<.0160	<.0210	<.0080	<.0280	<.0140	

07281999 YALOBUSHA RIVER AT CALHOUN CITY, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	2,4-D, DIS-SOLVED (UG/L) (39732)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	2,4-DB, WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	SILVEX, DIS-SOLVED (UG/L) (39762)
JUL 29...	<.0260	<.0170	<.0180	<.0350	<.0350	<.035	<.0320	<.0350	<.0500	<.0350	<.0210
DATE	2,4,5-T DIS-SOLVED (UG/L) (39742)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	CHLORO-THALONIL, WAT,FLT (UG/L) (49306)	DACTHAL MONO-ACID, WAT,FLT (UG/L) (49304)	DICHLOR BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	FLUO-METURON, WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	LINURON, WATER, FLTRD, GF 0.7U REC (UG/L) (38478)
JUL 29...	<.0350	<.0500	<.0190	<.0350	<.0170	<.0200	<.0350	<.0130	.210	.290	<.0180
DATE	NEB-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	ACIFL-UORFEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	BENTA-ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO-MOXYNIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CHLOR-AMBN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DICAMBA, WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DINOSEB, WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DNOC, WAT,FLT (UG/L) (49299)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)
JUL 29...	<.0150	<.0350	E.360	<.0350	<.0110	<.0500	<.0350	<.0350	<.0350	<.0240	<.0500

YAZOO RIVER BASIN

07281999 YALOBUSHA RIVER AT CALHOUN CITY, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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	73	107	21	185	125	157	3960	733	8540
2	50	101	14	907	367	924	1520	227	961
3	50	99	13	449	193	237	648	131	229
4	42	97	11	229	107	65	376	80	78
5	34	96	8.8	125	89	28	303	65	50
6	30	94	7.4	86	80	17	394	70	71
7	26	93	6.4	351	167	413	623	152	260
8	23	91	5.7	934	257	820	483	120	153
9	20	90	4.8	315	149	213	300	69	52
10	19	88	4.4	80	110	74	205	62	31
11	17	87	3.9	35	82	25	167	58	23
12	16	86	3.5	21	68	11	160	82	33
13	15	84	3.2	15	64	6.5	175	181	75
14	14	83	3.1	13	61	4.4	128	134	41
15	14	82	2.9	11	57	3.0	105	97	24
16	13	81	2.8	10	54	2.1	1960	472	5560
17	13	81	2.7	11	58	2.2	6420	477	9360
18	15	83	3.1	318	272	275	1830	168	870
19	16	84	3.4	447	286	336	563	103	169
20	16	74	3.0	173	192	82	210	68	43
21	14	57	2.1	100	129	31	107	60	20
22	16	57	2.2	82	93	18	74	54	13
23	25	67	4.2	53	82	10	51	50	8.4
24	27	65	4.4	37	74	6.5	283	108	102
25	23	62	3.6	400	505	787	244	107	78
26	46	119	16	458	451	562	553	160	605
27	90	150	34	168	203	87	3010	383	3340
28	66	82	14	77	104	20	1150	135	436
29	47	58	7.0	48	58	6.7	588	115	186
30	36	55	5.1	3140	608	6710	488	85	118
31	29	53	3.9				441	67	84
JANUARY			FEBRUARY			MARCH			
1	302	75	65	255	59	46	907	132	365
2	191	73	42	193	51	31	3560	838	15100
3	132	85	35	261	77	65	11200	682	28900
4	110	75	26	336	86	86	6680	257	5250
5	1090	322	1090	256	96	76	1660	331	1780
6	582	126	208	148	85	42	1660	266	1340
7	1250	226	828	266	111	168	783	114	257
8	1320	244	1270	1260	283	1020	544	83	129
9	2230	300	1980	571	150	251	440	75	98
10	900	116	300	318	119	113	661	102	193
11	420	67	82	196	79	50	566	94	153
12	244	53	35	136	68	31	401	74	88
13	149	56	24	1500	344	1790	359	65	71
14	107	58	19	1290	169	649	624	98	177
15	641	249	1300	556	71	116	516	89	133
16	1650	526	2550	316	57	55	332	69	70
17	578	152	266	193	60	37	357	64	49
18	333	69	55	134	54	25	354	64	49
19	194	63	34	137	59	21	917	165	402
20	150	62	29	95	48	15	695	115	206
21	109	61	21	1210	384	1540	496	68	82
22	263	103	96	885	157	382	380	64	55
23	408	190	233	439	122	128	292	63	38
24	5370	990	13800	270	87	50	251	62	32
25	2120	314	1830	220	63	26	211	64	26
26	791	181	416	341	84	57	192	65	23
27	384	130	149	2170	524	2940	159	64	18
28	3380	709	6820	2260	329	1880	159	63	18
29	1290	181	667				153	65	18
30	575	103	168				132	66	15
31	367	82	88				108	67	12

YAZOO RIVER BASIN

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07281999 YALOBUSHA RIVER AT CALHOUN CITY, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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	88	58	8.4	83	63	14	1660	292	1340
2	79	49	5.1	2240	259	4460	1500	303	1230
3	74	56	4.5	14800	840	38700	867	174	412
4	19	93	6.6	9820	308	9010	481	86	113
5	1030	857	3760	1630	207	915	339	67	62
6	969	329	1030	608	130	215	1450	293	1210
7	389	100	118	371	108	108	835	84	192
8	153	81	41	258	78	54	419	51	58
9	90	69	22	228	67	41	2400	559	3890
10	54	60	12	203	56	31	2670	324	2390
11	36	54	7.1	130	47	16	4410	461	5580
12	37	53	7.1	93	40	10	2680	259	1900
13	37	53	7.2	68	41	7.5	1990	124	688
14	30	53	5.7	60	44	7.1	651	58	102
15	30	52	4.2	50	40	5.4	570	65	100
16	29	51	4.0	42	35	4.0	340	77	71
17	50	50	3.8	36	32	3.1	3130	375	4520
18	22	48	2.9	30	33	2.7	1910	220	1220
19	23	44	2.7	40	36	3.9	786	92	199
20	30	40	3.2	54	37	5.4	371	47	48
21	35	37	3.5	46	36	4.5	2350	360	2410
22	50	103	18	37	36	3.6	920	140	360
23	119	176	57	50	39	5.3	505	92	127
24	45	96	12	3140	1530	21800	576	140	222
25	36	63	6.1	5870	642	11700	317	56	48
26	40	54	5.8	1480	262	1080	213	47	27
27	481	162	282	1940	645	4080	218	60	36
28	875	223	558	4870	684	9570	555	251	387
29	733	186	384	3300	405	3620	864	149	352
30	286	86	66	1430	179	718	529	78	113
31				2010	560	3380			
JULY			AUGUST			SEPTEMBER			
1	253	59	40	50	75	10	17	94	4.3
2	114	56	17	30	56	4.5	16	123	5.4
3	61	44	7.2	23	46	2.9	17	99	4.5
4	37	33	3.3	18	38	1.8	16	39	1.7
5	24	26	1.7	15	34	1.4	15	45	1.8
6	20	25	1.4	13	32	1.1	14	47	1.8
7	116	32	10	12	37	1.2	13	47	1.6
8	166	69	33	11	44	1.3	12	46	1.5
9	270	90	67	13	50	1.8	12	39	1.3
10	353	91	87	14	56	2.1	14	32	1.2
11	563	132	204	17	66	3.1	14	37	1.4
12	339	91	83	385	143	155	13	49	1.7
13	506	269	504	775	105	230	12	51	1.7
14	792	360	806	366	65	64	11	48	1.4
15	292	134	106	292	67	53	10	45	1.2
16	118	54	17	105	67	19	9.6	40	1.0
17	57	41	6.3	48	65	8.4	9.0	38	.92
18	35	40	3.8	37	61	6.1	8.4	45	1.0
19	29	40	3.1	38	51	5.2	7.9	54	1.2
20	24	40	2.6	108	50	15	7.4	53	1.1
21	20	41	2.2	402	73	80	7.0	51	.96
22	57	84	13	124	49	16	6.6	50	.89
23	268	164	119	54	43	6.3	6.7	65	1.2
24	100	113	31	38	43	4.4	8.9	75	1.9
25	42	83	9.4	31	42	3.5	589	417	682
26	27	71	5.2	26	49	3.4	681	163	322
27	20	61	3.3	23	59	3.7	198	71	38
28	16	53	2.3	20	53	2.9	69	53	9.9
29	33	59	5.3	20	45	2.4	45	41	5.0
30	454	604	796	18	55	2.7	33	36	3.2
31	166	151	69	17	72	3.3			

YAZOO RIVER BASIN

07281999 YALOBUSHA RIVER AT CALHOUN CITY, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

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	6.8	34	.62	31	226	24	27	169	12
2	5.9	38	.61	42	320	38	18	131	6.3
3	5.3	45	.64	19	177	9.4	24	167	14
4	4.8	47	.62	13	134	4.8	60	249	42
5	4.5	48	.58	11	117	3.5	34	113	10
6	4.3	48	.56	15	100	4.0	22	102	6.0
7	4.2	48	.54	18	94	4.5	17	95	4.5
8	4.0	48	.52	15	108	4.3	16	89	3.8
9	3.9	48	.50	13	128	4.4	20	83	4.5
10	3.8	48	.49	11	134	4.0	289	426	393
11	3.6	50	.49	10	105	2.9	103	357	105
12	3.5	53	.50	9.8	85	2.2	42	200	23
13	3.7	57	.57	10	80	2.2	26	151	11
14	12	86	2.8	11	76	2.3	20	123	6.6
15	9.5	86	2.2	11	73	2.2	17	101	4.7
16	6.9	83	1.5	10	70	2.0	16	89	3.7
17	5.5	80	1.2	9.5	66	1.7	15	80	3.2
18	4.8	81	1.1	9.1	61	1.5	14	74	2.8
19	4.4	83	.99	8.8	58	1.4	13	69	2.5
20	4.2	84	.95	8.6	63	1.5	13	71	2.4
21	4.0	81	.87	8.8	66	1.6	61	273	109
22	3.9	77	.81	9.6	63	1.6	158	341	166
23	3.8	76	.77	9.5	60	1.5	70	162	37
24	104	271	99.9	9.1	59	1.4	4060	1250	15200
25	130	281	140	8.7	60	1.4	1490	530	2450
26	612	460	912	8.5	62	1.4	255	153	116
27	66	162	31	8.5	61	1.4	116	159	49
28	19	118	6.1	8.5	61	1.4	69	132	25
29	12	91	3.0	42	221	42	61	92	15
30	9.6	81	2.1	57	354	58	64	86	15
31	9.2	82	2.1				45	86	10
JANUARY			FEBRUARY			MARCH			
1	30	96	7.8	34	---	---	118	---	---
2	25	104	7.0	33	---	---	86	---	---
3	23	98	6.2	39	---	---	69	---	---
4	23	90	5.6	36	---	---	60	---	---
5	751	431	1330	32	---	---	4810	---	---
6	494	294	432	27	---	---	5220	---	---
7	2160	573	3740	22	---	---	3570	---	---
8	2860	---	---	21	---	---	5920	---	---
9	967	---	---	23	---	---	2120	---	---
10	199	---	---	23	---	---	726	---	---
11	564	---	---	2920	---	---	316	---	---
12	676	---	---	1050	---	---	201	---	---
13	234	---	---	229	---	---	155	---	---
14	113	---	---	111	---	---	126	---	---
15	107	---	---	78	---	---	107	---	---
16	758	---	---	2590	---	---	95	---	---
17	402	---	---	3980	---	---	1520	---	---
18	209	---	---	2030	---	---	740	---	---
19	436	---	---	696	---	---	358	---	---
20	177	---	---	244	---	---	1160	---	---
21	97	---	---	137	---	---	423	---	---
22	768	---	---	682	---	---	218	---	---
23	692	---	---	1830	---	---	143	---	---
24	203	---	---	545	---	---	110	---	---
25	99	---	---	219	---	---	94	---	---
26	66	---	---	281	---	---	81	---	---
27	113	---	---	447	---	---	71	---	---
28	86	---	---	205	---	---	65	---	---
29	61	---	---				57	---	---
30	47	---	---				49	---	---
31	38	---	---				196	---	---

YAZOO RIVER BASIN

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07281999 YALOBUSHA RIVER AT CALHOUN CITY, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

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	740	---	---	1600	---	---	83	---	---
2	236	---	---	401	---	---	33	---	---
3	125	---	---	166	---	---	20	---	---
4	87	---	---	100	---	---	16	---	---
5	59	---	---	58	---	---	786	---	---
6	49	---	---	38	---	---	784	---	---
7	42	---	---	30	---	---	132	---	---
8	40	---	---	33	---	---	42	---	---
9	57	---	---	25	---	---	23	---	---
10	43	---	---	19	---	---	17	---	---
11	33	---	---	16	---	---	13	---	---
12	26	---	---	14	---	---	11	---	---
13	22	---	---	12	---	---	9.8	---	---
14	20	---	---	10	---	---	9.1	---	---
15	21	---	---	9.4	---	---	9.2	---	---
16	23	---	---	9.1	---	---	14	---	---
17	37	---	---	8.4	---	---	11	---	---
18	423	---	---	7.5	---	---	8.7	---	---
19	1870	---	---	6.9	---	---	8.0	---	---
20	523	---	---	6.6	---	---	7.1	---	---
21	159	---	---	6.2	---	---	6.3	---	---
22	86	---	---	5.8	---	---	5.7	---	---
23	62	---	---	5.4	---	---	5.2	---	---
24	49	---	---	5.1	---	---	4.8	---	---
25	37	---	---	4.9	---	---	4.5	---	---
26	28	---	---	4.7	---	---	4.3	---	---
27	23	---	---	4.5	---	---	4.2	---	---
28	3090	---	---	58	---	---	4.1	---	---
29	1320	---	---	3950	---	---	3.9	---	---
30	2440	---	---	1940	---	---	3.7	---	---
31				311	---	---			
JULY			AUGUST			SEPTEMBER			
1	3.8	---	---	6.3	---	---	5.5	---	---
2	3.8	---	---	5.4	---	---	5.6	---	---
3	3.7	---	---	4.8	---	---	5.7	---	---
4	3.7	---	---	4.4	---	---	5.4	---	---
5	3.6	---	---	4.1	---	---	5.2	---	---
6	3.6	---	---	4.1	---	---	4.9	---	---
7	3.6	---	---	5.0	---	---	4.7	---	---
8	3.6	---	---	2530	---	---	4.5	---	---
9	3.7	---	---	1300	---	---	4.2	---	---
10	217	---	---	207	---	---	4.1	---	---
11	352	---	---	42	---	---	4.0	---	---
12	83	---	---	150	---	---	3.9	---	---
13	37	---	---	266	---	---	4.0	---	---
14	16	---	---	141	---	---	4.0	---	---
15	12	---	---	564	---	---	3.9	---	---
16	23	---	---	651	---	---	3.8	---	---
17	28	---	---	126	---	---	3.8	---	---
18	11	---	---	38	---	---	3.7	---	---
19	7.7	---	---	19	---	---	3.6	---	---
20	6.1	---	---	14	---	---	3.4	---	---
21	5.2	---	---	11	---	---	3.4	---	---
22	4.7	---	---	9.6	---	---	3.4	---	---
23	4.3	---	---	8.5	---	---	3.4	---	---
24	9.8	---	---	7.8	---	---	3.2	---	---
25	89	---	---	7.2	---	---	3.1	---	---
26	66	---	---	6.9	---	---	3.0	---	---
27	15	---	---	6.5	---	---	3.0	---	---
28	10	---	---	6.1	---	---	3.1	---	---
29	17	---	---	5.8	---	---	3.3	---	---
30	11	---	---	5.5	---	---	3.3	---	---
31	8.1	---	---	5.5	---	---			

07282100 TOPASHAW CREEK CANAL NEAR CALHOUN CITY, MS

LOCATION.--Lat 33°48'53", long 89°20'45", in NE 1/4 SW 1/4 sec.34, T.23 N., R.9 E., Choctaw Meridian, Calhoun County, Hydrologic Unit 08030205, at downstream side of bridge on State Highways 8 & 9, 0.6 mi northeast of their junction, and 3.5 mi upstream from Yalobusha River.

DRAINAGE AREA.--101 mi², approximately.

PERIOD OF RECORD.--Water years 1972, 1997 to current year.

PERIOD OF DAILY RECORD.--

DISCHARGE: October 1972 to current year.

SUSPENDED SEDIMENT CONCENTRATION: October 1996 to January 1998 (discontinued).

SUSPENDED SEDIMENT DISCHARGE: October 1996 to January 1998 (discontinued).

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 227.94 ft above sea level. Prior to Aug. 16, 1963, nonrecording gage and crest-stage gage. Automatic pumping sediment sampler since October 1996.

REMARKS.--Estimated daily discharge: Dec. 1-3, Apr. 17-26. Discharge records fair except for estimated daily discharges, which are poor. Flow intermingles with Yalobusha River when stage is above bank full. Channel rectification was completed in 1967. Satellite telemeter at station.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISCHARGE: No flow at times during several years.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 2,360 mg/L, May 29, 1997; minimum daily mean, 25 mg/L, Aug. 29-30, 1997.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 37,700 tons, Mar. 3, 1997; minimum daily, 0.33 ton, Sept. 22, 1997.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum gage height, 19.50 ft, Mar. 8; minimum daily discharge, 2.2 ft³/s, Sept. 27.

WATER QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (000061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (000095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (000400)	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												
23...	0915	6.5	306	6.9	15.0	6.5	<.010	<.020	.050	.040	.010	9.7
NOV												
15...	0840	4.6	246	6.6	11.0	10.3	<.010	.040	.030	.050	.030	8.1
DEC												
04...	1205	80	--	--	--	--	<.010	.120	.050	.040	.040	8.5
JAN												
03...	0740	64	196	6.6	15.5	9.0	<.010	.130	.020	.030	.030	6.5
16...	0730	756	82	6.5	5.0	12.0	.020	.130	.070	--	.100	--
FEB												
07...	1045	77	170	6.1	15.0	9.0	<.010	.180	.020	.040	.010	5.2
26...	0830	102	169	6.5	12.5	11.9	<.010	.150	.020	.030	.040	6.5
MAR												
19...	1515	389	159	6.6	15.5	9.9	.010	.200	.100	.090	.040	14
APR												
09...	1645	43	191	6.6	18.0	9.5	<.010	.120	.040	.050	.010	7.9
28...	1040	263	133	6.2	16.0	8.7	.028	.880	.160	.100	.070	9.7
JUN												
10...	1930	1050	107	6.3	21.0	8.1	.036	.280	.080	.140	.040	6.4
JUL												
02...	1435	41	171	6.7	31.0	8.0	.010	.120	.200	.040	.010	4.0
29...	1220	11	246	6.8	31.0	6.0	<.010	.020	.040	<.020	.020	2.4
AUG												
13...	0840	312	49	6.0	24.0	7.6	.027	.160	.050	.170	.080	8.7
SEP												
03...	1110	6.2	215	6.8	27.5	7.7	<.010	<.020	.040	.030	<.010	3.5
23...	1545	3.2	254	6.8	26.0	--	<.010	<.020	.020	<.020	<.010	3.7

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	ALDRIN, TOTAL (UG/L) (39330)	CHLOR- DANE, TECH- NICAL TOTAL (UG/L) (39350)	CHLOR- PYRIFOS TOTAL RECOVER (UG/L) (38932)	P,P'- DDD UNFILT RECOVER (UG/L) (39360)	P,P'- DDE, TOTAL RECOVER (UG/L) (39365)	P,P'- DDT UNFILT RECOVER (UG/L) (39370)	DEF TOTAL (UG/L) (39040)	DI- AZINON, TOTAL (UG/L) (39570)	DI- ELDRIN TOTAL (UG/L) (39380)	DISUL- FOTON UNFILT RECOVER (UG/L) (39011)	ENDO- SULFAN I TOTAL (UG/L) (39388)	ENDRIN WATER UNFLTRD REC (UG/L) (39390)
JUL 29...	<.010	<.100	<.010	<.010	<.010	<.010	<.010	<.010	<.010	<.010	<.010	<.010
DATE	ETHION, TOTAL (UG/L) (39398)	FONOFOS (DY- FONATE) WATER WHOLE TOT. REC (UG/L) (82614)	HEPTA- CHLOR, TOTAL (UG/L) (39410)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L) (39420)	LINDANE TOTAL (UG/L) (39340)	MALA- THION, TOTAL (UG/L) (39530)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METHYL PARA- THION, TOTAL (UG/L) (39600)	MIREX, TOTAL (UG/L) (39755)	PARA- THION, TOTAL (UG/L) (39540)	PCB, TOTAL (UG/L) (39516)	
JUL 29...	<.010	<.010	<.010	<.010	<.010	.040	<.010	<.010	<.010	<.010	<.100	
DATE	PCNS UNFILT RECOVER (UG/L) (39250)	PER- THANE TOTAL (UG/L) (39034)	PHORATE TOTAL (UG/L) (39023)	TOX- APHENE, TOTAL (UG/L) (39400)	TOTAL TRI- THION (UG/L) (39786)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ALDI- CARB SULFONE WAT, FLT GF 0.7U REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT, FLT GF 0.7U REC (UG/L) (49314)	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CARBO- FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	3HYDRXY CARBO- FURAN WAT, FLT GF 0.7U REC (UG/L) (49308)	
JUL 29...	<.100	<.100	<.010	<.100	<.010	<.0160	<.0160	<.0210	<.0080	<.0280	<.0140	

YAZOO RIVER BASIN

07282100 TOPASHAW CREEK CANAL NEAR CALHOUN CITY, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	2,4-D, DIS-SOLVED (UG/L) (39732)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	2,4-DB, WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	SILVEX, DIS-SOLVED (UG/L) (39762)
JUL 29...	<.0260	<.0170	<.0180	<.0350	<.0350	<.035	<.0320	<.0350	<.0500	<.0350	<.0210
DATE	2,4,5-T DIS-SOLVED (UG/L) (39742)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	CHLORO-THALO-NIL, WAT,FLT REC (UG/L) (49306)	DACTHAL MONO-ACID, WAT,FLT REC (UG/L) (49304)	DICHLOR-BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	FLUO-METURON, WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	LINURON, WATER, FLTRD, GF 0.7U REC (UG/L) (38478)
JUL 29...	<.0350	<.0500	<.0190	<.0350	<.0170	<.0200	<.0350	<.0130	.660	.280	<.0180
DATE	NEB-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	ACIFL-UORFEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	BENTA-ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO-MOXYNIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CHLOR-AMBN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DICAMBA, WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DINOSEB, WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DNOC, WAT,FLT REC (UG/L) (49299)	NORFLUR-AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)
JUL 29...	<.0150	<.0350	<.0140	<.0350	<.0110	<.0500	<.0350	<.0350	<.0350	<.0240	<.0500

07282100 TOPASHAW CREEK CANAL NEAR CALHOUN CITY, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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	15	65	2.6	31	210	135	606	426	1400
2	11	57	1.6	126	453	540	186	88	129
3	11	54	1.6	66	234	77	94	66	34
4	10	51	1.3	35	166	19	63	59	13
5	8.6	49	1.0	22	129	7.3	55	67	13
6	8.0	47	.90	17	100	3.5	65	103	24
7	7.3	45	.80	51	367	285	94	134	71
8	6.6	43	.69	107	211	262	76	73	24
9	6.0	41	.61	49	116	38	54	51	9.3
10	5.7	40	.55	22	98	11	44	47	6.1
11	5.4	38	.50	13	89	4.9	39	46	5.1
12	5.1	36	.46	9.6	81	2.4	39	49	5.4
13	4.9	35	.43	7.6	74	1.5	40	51	5.9
14	4.8	33	.41	6.8	67	1.1	35	49	4.6
15	4.7	32	.38	6.3	62	.89	30	46	3.6
16	4.6	31	.36	5.8	61	.76	1020	681	5430
17	4.5	30	.35	6.1	70	.89	1820	661	5580
18	4.9	30	.37	47	258	53	417	104	189
19	5.2	30	.39	63	279	68	239	67	37
20	5.3	30	.39	36	165	16	183	52	11
21	4.9	30	.37	27	118	8.1	164	49	7.5
22	4.9	32	.40	24	87	5.1	155	47	6.1
23	7.0	76	1.3	18	77	2.8	149	47	5.4
24	7.5	62	1.1	14	69	1.8	191	63	17
25	6.8	42	.70	58	279	107	187	58	14
26	10	106	4.0	67	141	39	317	212	582
27	17	191	11	37	69	7.2	999	597	2570
28	14	119	4.8	23	57	3.2	333	130	168
29	11	90	2.6	18	49	1.8	247	92	52
30	9.1	76	1.7	1480	1140	8550	228	90	40
31	7.9	64	1.2				219	94	36
JANUARY			FEBRUARY			MARCH			
1	197	84	23	94	66	22	192	115	152
2	180	73	15	87	64	18	2200	2110	28500
3	170	65	11	93	93	32	4990	2110	37700
4	166	69	11	101	107	42	882	547	2030
5	369	620	1050	94	89	29	356	626	1540
6	245	124	73	82	73	17	303	297	628
7	367	331	496	110	244	303	117	98	84
8	779	750	4210	259	294	564	91	68	31
9	817	663	2820	126	93	63	80	56	19
10	303	118	123	99	72	27	106	237	168
11	217	89	34	87	68	19	93	110	55
12	187	71	16	81	67	15	76	65	20
13	173	58	10	407	548	1300	72	67	20
14	164	55	8.4	231	125	201	97	133	76
15	356	557	1750	125	81	54	87	102	44
16	452	369	840	99	68	26	69	66	17
17	242	127	71	87	59	16	60	58	12
18	192	107	27	81	58	13	60	60	12
19	179	89	18	76	58	12	122	134	117
20	173	75	14	73	56	11	97	68	38
21	166	67	11	321	802	1710	76	48	15
22	192	174	63	159	223	250	63	45	9.9
23	214	306	110	103	92	39	54	42	7.3
24	1410	1380	7940	86	62	16	51	40	6.3
25	529	385	988	80	55	12	47	41	5.6
26	278	114	105	89	110	34	45	41	5.3
27	207	118	53	474	697	1820	41	40	4.6
28	1160	1200	6530	454	484	1220	41	39	4.6
29	234	195	311				40	41	4.7
30	127	116	82				38	43	4.6
31	104	75	32				35	45	4.3

YAZOO RIVER BASIN

07282100 TOPASHAW CREEK CANAL NEAR CALHOUN CITY, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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	32	44	3.7	44	55	6.8	330	377	832
2	28	43	3.0	540	982	6890	273	570	1100
3	26	48	3.0	6330	1880	35800	122	150	169
4	24	62	3.6	1060	255	1100	73	70	31
5	113	90	90	266	119	210	57	70	23
6	141	298	408	80	97	50	322	252	517
7	53	74	15	54	78	20	110	106	101
8	48	83	15	44	65	12	63	63	21
9	33	66	7.3	42	58	9.8	258	64	99
10	36	62	6.0	39	52	8.2	722	569	3110
11	31	57	4.6	33	47	5.8	1340	1140	6280
12	31	53	4.3	30	43	4.5	551	348	956
13	32	50	4.1	26	49	4.2	166	129	181
14	28	47	3.3	23	59	4.3	86	84	48
15	24	48	2.7	22	56	3.8	78	71	33
16	22	51	2.5	20	48	2.9	55	49	13
17	20	54	2.3	18	41	2.1	610	980	3450
18	18	57	2.1	16	39	1.7	306	149	319
19	17	53	1.9	15	39	1.5	102	67	57
20	16	48	1.5	19	69	3.9	58	228	54
21	16	45	1.4	23	65	4.3	1240	1650	8090
22	29	79	7.6	19	53	2.8	134	211	253
23	46	160	22	16	45	1.8	73	103	46
24	31	90	7.2	1690	1490	16500	84	254	156
25	23	50	2.6	1660	1130	7230	54	97	25
26	20	40	1.7	247	184	331	44	57	11
27	133	593	879	389	898	2420	44	54	11
28	128	177	168	1650	1380	9510	75	74	36
29	110	97	70	2750	2360	24300	104	278	249
30	67	68	17	258	278	554	74	98	43
31				1130	1660	10300			
JULY			AUGUST			SEPTEMBER			
1	46	65	13	18	76	4.7	6.8	28	.46
2	33	43	5.2	14	61	2.5	6.5	29	.48
3	26	32	2.9	11	50	1.6	6.6	31	.51
4	21	32	2.4	9.6	41	1.0	6.5	34	.55
5	17	32	1.9	8.5	41	.88	6.1	37	.57
6	15	31	1.5	7.6	44	.84	5.6	41	.58
7	30	50	6.1	7.2	51	.92	5.2	46	.61
8	35	64	12	7.1	57	1.0	4.9	51	.64
9	45	78	16	7.4	55	1.0	5.1	48	.62
10	56	286	200	8.0	51	1.0	5.6	44	.62
11	85	587	532	9.0	82	2.7	5.4	45	.61
12	51	95	26	132	1030	1800	5.0	47	.61
13	79	258	369	205	847	1680	4.7	47	.57
14	99	259	245	47	181	41	4.4	47	.54
15	44	70	14	40	186	34	4.2	46	.51
16	28	41	4.4	23	91	7.6	4.0	45	.47
17	21	40	2.9	16	52	2.7	3.9	43	.44
18	17	46	2.7	14	32	1.3	3.8	43	.42
19	16	46	2.3	14	31	1.3	3.6	42	.40
20	14	43	1.8	21	82	14	3.5	40	.37
21	12	48	1.7	51	236	62	3.4	39	.34
22	21	88	6.4	24	98	8.7	3.3	39	.33
23	40	242	42	16	60	3.2	3.3	50	.44
24	25	159	15	13	44	1.7	4.3	98	2.6
25	18	104	6.2	11	34	1.0	94	966	942
26	14	82	3.4	9.6	31	.78	133	533	753
27	11	67	2.1	8.8	30	.67	26	136	14
28	9.7	55	1.4	8.0	27	.55	14	69	3.1
29	14	77	4.4	7.7	25	.47	11	42	1.2
30	56	235	67	7.4	25	.47	8.6	35	.77
31	31	109	13	7.0	26	.46			

07282100 TOPASHAW CREEK CANAL NEAR CALHOUN CITY, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

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	7.6	33	.68	40	168	21	35	104	9.8
2	5.9	34	.55	49	157	21	26	79	5.5
3	5.0	37	.51	28	90	7.0	39	160	25
4	4.5	42	.51	19	70	3.6	66	265	50
5	4.3	49	.57	15	60	2.4	43	90	11
6	4.1	57	.62	23	93	6.2	32	82	7.1
7	3.9	62	.65	27	115	8.6	26	79	5.5
8	3.7	66	.67	22	84	5.0	24	83	5.4
9	3.7	67	.66	18	71	3.5	31	86	7.3
10	3.6	67	.65	15	62	2.5	266	740	638
11	3.5	70	.65	14	59	2.2	95	229	63
12	3.3	74	.66	13	56	1.9	50	115	16
13	3.6	93	.94	13	51	1.8	37	92	9.1
14	17	152	6.4	15	56	2.3	30	80	6.5
15	12	93	2.9	15	68	2.8	26	71	4.9
16	7.0	76	1.4	13	63	2.3	23	71	4.4
17	5.3	68	.98	12	60	1.9	22	73	4.3
18	4.5	70	.85	11	61	1.8	21	76	4.3
19	4.1	72	.80	10	62	1.7	19	78	4.1
20	3.9	74	.77	9.6	61	1.6	18	79	3.9
21	3.7	66	.67	10	60	1.6	73	212	75
22	3.7	58	.57	12	60	2.0	133	165	64
23	3.6	52	.51	12	60	1.9	104	169	112
24	113	617	253	11	60	1.7	2040	2060	12700
25	189	866	1620	9.8	61	1.6	621	780	1380
26	512	661	1330	9.3	62	1.6	213	393	236
27	67	135	26	9.4	63	1.6	125	238	81
28	27	98	7.4	9.5	81	2.1	89	146	36
29	17	76	3.4	60	357	58	86	106	25
30	12	64	2.1	66	261	47	87	110	26
31	12	59	1.9				67	79	14
JANUARY			FEBRUARY			MARCH			
1	52	75	11	56	---	---	88	---	---
2	45	72	8.9	55	---	---	68	---	---
3	44	71	8.4	62	---	---	57	---	---
4	44	70	8.3	59	---	---	51	---	---
5	436	297	479	54	---	---	1260	---	---
6	359	192	193	48	---	---	1280	---	---
7	1240	1250	4820	42	---	---	1260	---	---
8	1280	---	---	41	---	---	2370	---	---
9	515	---	---	43	---	---	870	---	---
10	206	---	---	43	---	---	407	---	---
11	355	---	---	1430	---	---	205	---	---
12	441	---	---	534	---	---	137	---	---
13	229	---	---	206	---	---	109	---	---
14	134	---	---	110	---	---	93	---	---
15	129	---	---	80	---	---	82	---	---
16	491	---	---	1350	---	---	74	---	---
17	333	---	---	1590	---	---	733	---	---
18	216	---	---	810	---	---	404	---	---
19	354	---	---	386	---	---	257	---	---
20	187	---	---	171	---	---	661	---	---
21	119	---	---	103	---	---	271	---	---
22	428	---	---	445	---	---	149	---	---
23	439	---	---	785	---	---	104	---	---
24	207	---	---	311	---	---	84	---	---
25	120	---	---	146	---	---	74	---	---
26	91	---	---	184	---	---	65	---	---
27	137	---	---	277	---	---	58	---	---
28	109	---	---	139	---	---	55	---	---
29	84	---	---				49	---	---
30	70	---	---				44	---	---
31	60	---	---				124	---	---

YAZOO RIVER BASIN

07282100 TOPASHAW CREEK CANAL NEAR CALHOUN CITY, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

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	381	---	---	678	---	---	103	---	---
2	155	---	---	295	---	---	60	---	---
3	91	---	---	163	---	---	45	---	---
4	69	---	---	116	---	---	38	---	---
5	51	---	---	82	---	---	335	---	---
6	44	---	---	64	---	---	434	---	---
7	40	---	---	57	---	---	140	---	---
8	38	---	---	59	---	---	71	---	---
9	50	---	---	50	---	---	51	---	---
10	41	---	---	42	---	---	41	---	---
11	33	---	---	37	---	---	34	---	---
12	28	---	---	32	---	---	28	---	---
13	25	---	---	28	---	---	24	---	---
14	24	---	---	24	---	---	22	---	---
15	24	---	---	21	---	---	22	---	---
16	26	---	---	20	---	---	36	---	---
17	26	---	---	17	---	---	27	---	---
18	31	---	---	14	---	---	20	---	---
19	114	---	---	12	---	---	17	---	---
20	82	---	---	12	---	---	15	---	---
21	45	---	---	10	---	---	12	---	---
22	38	---	---	9.2	---	---	10	---	---
23	34	---	---	8.3	---	---	8.6	---	---
24	32	---	---	7.5	---	---	7.6	---	---
25	31	---	---	7.0	---	---	7.0	---	---
26	30	---	---	6.7	---	---	6.5	---	---
27	25	---	---	6.5	---	---	6.3	---	---
28	802	---	---	112	---	---	6.0	---	---
29	591	---	---	2170	---	---	5.7	---	---
30	1040	---	---	799	---	---	5.5	---	---
31				250	---	---			
JULY			AUGUST			SEPTEMBER			
1	5.5	---	---	6.5	---	---	3.9	---	---
2	5.6	---	---	5.2	---	---	4.0	---	---
3	5.4	---	---	4.6	---	---	4.0	---	---
4	5.3	---	---	4.1	---	---	3.9	---	---
5	5.2	---	---	3.8	---	---	3.7	---	---
6	5.3	---	---	3.8	---	---	3.5	---	---
7	5.4	---	---	4.8	---	---	3.4	---	---
8	5.3	---	---	682	---	---	3.2	---	---
9	5.6	---	---	551	---	---	3.1	---	---
10	322	---	---	144	---	---	3.0	---	---
11	349	---	---	41	---	---	2.9	---	---
12	109	---	---	134	---	---	2.9	---	---
13	63	---	---	194	---	---	2.9	---	---
14	36	---	---	90	---	---	2.9	---	---
15	27	---	---	352	---	---	2.8	---	---
16	42	---	---	426	---	---	2.8	---	---
17	47	---	---	93	---	---	2.7	---	---
18	21	---	---	35	---	---	2.7	---	---
19	11	---	---	20	---	---	2.6	---	---
20	7.6	---	---	13	---	---	2.5	---	---
21	5.9	---	---	9.4	---	---	2.5	---	---
22	4.9	---	---	7.6	---	---	2.6	---	---
23	4.4	---	---	6.5	---	---	2.5	---	---
24	12	---	---	5.8	---	---	2.4	---	---
25	76	---	---	5.3	---	---	2.3	---	---
26	69	---	---	5.0	---	---	2.3	---	---
27	22	---	---	4.7	---	---	2.2	---	---
28	13	---	---	4.4	---	---	2.3	---	---
29	27	---	---	4.1	---	---	2.5	---	---
30	16	---	---	4.0	---	---	2.5	---	---
31	9.0	---	---	4.0	---	---			

YAZOO RIVER BASIN

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07283000 SKUNA RIVER AT BRUCE, MS
(National Water-Quality Assessment station)

LOCATION.--Lat 33°58'25", long 89°20'50", 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.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1947 to current year. Prior to March 1948 monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WSP 1920: 1958(P), 1959-60(M).

GAGE.--Water-stage recorder. Datum of gage is 228.45 ft above sea level (levels U. S. Army Corps of Engineers). Prior to Jan. 1, 1972, at datum 10.30 ft higher. October 1947 to Aug. 30, 1948, nonrecording gage, Aug. 31, 1948 to Mar. 23, 1955, water-stage recorder, and Mar. 24, 1955 to Sept. 12, 1958, nonrecording gage at same site.

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

EXTREMES FOR CURRENT YEAR.-- Peak discharges greater than base discharge of 11,000 ft³/s (revised) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 24	0900	*14,800	*22.05	Mar. 8	0600	11,400	19.96
Feb. 17	0900	12,100	20.45	Apr. 28	1100	12,900	20.92
Mar. 5	1300	13,600	21.38				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	300	42	131	76	209	425	1000	49	13	24	16
2	13	172	38	105	71	146	164	375	36	12	19	15
3	13	59	49	94	74	115	422	265	30	12	17	14
4	13	41	97	86	66	102	254	194	27	12	16	14
5	13	37	64	1410	56	6820	133	119	311	12	15	14
6	12	69	47	869	51	3780	100	96	412	13	14	13
7	12	78	41	2890	47	1810	85	82	142	12	18	13
8	11	49	47	3530	47	6810	79	641	53	11	3830	13
9	11	41	74	794	44	1170	76	155	37	11	1130	13
10	11	38	988	393	45	532	65	87	31	14	153	12
11	11	36	247	1200	4110	350	59	68	28	20	152	13
12	11	35	108	1200	756	261	55	57	26	22	353	13
13	16	35	75	521	332	215	55	47	33	26	1020	14
14	35	38	63	321	208	186	53	42	31	39	198	13
15	19	38	55	431	154	175	50	39	27	116	1030	13
16	14	36	50	1720	3590	156	48	36	25	29	3580	13
17	13	33	48	931	7350	1800	53	35	22	21	325	13
18	12	33	47	1030	1400	670	539	33	20	16	104	13
19	12	33	45	1900	571	356	2340	30	18	13	56	13
20	12	32	41	547	373	670	379	28	17	12	42	13
21	17	32	157	352	267	358	172	25	16	12	33	12
22	13	32	426	1110	742	231	139	24	16	11	28	12
23	13	32	153	889	2190	177	125	23	15	10	25	12
24	99	31	7990	424	516	150	98	23	14	167	23	11
25	673	30	1220	267	287	137	79	22	14	192	21	11
26	890	30	480	196	692	120	73	22	13	69	21	11
27	122	30	350	199	791	106	67	24	12	50	19	11
28	46	30	268	165	348	97	7090	33	12	1200	18	11
29	33	47	261	127	---	89	1330	1140	12	263	17	11
30	28	49	300	104	---	83	2900	427	12	81	17	11
31	29	---	198	86	---	98	---	95	---	35	16	---
TOTAL	2240	1576	14069	24022	25254	27979	17507	5287	1511	2526	12334	381
MEAN	72.3	52.5	454	775	902	903	584	171	50.4	81.5	398	12.7
MAX	890	300	7990	3530	7350	6820	7090	1140	412	1200	3830	16
MIN	11	30	38	86	44	83	48	22	12	10	14	11
CFSM	.28	.21	1.79	3.05	3.55	3.55	2.30	.67	.20	.32	1.57	.05
IN.	.33	.23	2.06	3.52	3.70	4.10	2.56	.77	.22	.37	1.81	.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 1998, BY WATER YEAR (WY)

	MEAN	47.3	248	502	602	763	860	635	356	221	101	64.2	74.9
MAX	389	1922	3035	2091	2703	3426	2356	1729	1825	661	460	895	
(WY)	1985	1958	1983	1949	1991	1973	1991	1997	1997	1989	1950	1958	
MIN	3.23	5.67	10.6	18.8	76.5	58.4	26.3	14.8	4.99	4.85	1.72	1.90	
(WY)	1954	1956	1966	1986	1978	1954	1986	1965	1988	1952	1954	1954	

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1948 - 1998

	ANNUAL TOTAL	244795	134686	
ANNUAL MEAN	671	369	371	
HIGHEST ANNUAL MEAN			767	1991
LOWEST ANNUAL MEAN			74.6	1981
HIGHEST DAILY MEAN	19100	May 3	7990	Dec 24
LOWEST DAILY MEAN	11	Sep 20	10	Jul 23
ANNUAL SEVEN-DAY MINIMUM	11	Oct 6	11	Sep 24
INSTANTANEOUS PEAK FLOW			14800	Dec 24
INSTANTANEOUS PEAK STAGE			22.05	Dec 24
ANNUAL RUNOFF (CFSM)	2.64		1.45	
ANNUAL RUNOFF (INCHES)	35.85		19.73	
10 PERCENT EXCEEDS	1520		906	
50 PERCENT EXCEEDS	89		50	
90 PERCENT EXCEEDS	14		13	

07283000 SKUNA RIVER AT BRUCE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1970, 1972, 1996 to August 1998 (discontinued).

PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: August 1996 to January 1998 (discontinued).

INSTRUMENTATION.--Water temperature data logger since August 1996.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURE: Maximum daily mean, 33.0°C, July 27, 1997; minimum daily mean, 0.5°C, Jan. 18, 1997.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum daily mean, 24.5°C, Oct. 7, 10; minimum daily mean, 4.5°C, Dec. 30,31, Jan. 1.

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

		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)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN (70331)				
	DATE	TIME												
	OCT 24...	1400	120	225	6.5	16.0	80	--	9.3	314	98			
	NOV 18...	1245	32	167	6.9	7.5	3.0	24.0	12.0	70	95			
	DEC 18...	1500	47	175	7.0	8.5	13	--	12.0	29	92			
	JAN 05...	1215	1250	147	6.3	12.0	120	3.00	10.2	843	86			
	15...	1330	360	116	6.7	10.5	--	8.50	10.1	126	96			
	JUN 10...	0900	32	155	6.4	26.5	89.0	21.0	8.8	--	--			
	AUG 31...	1100	17	189	6.2	29.0	2.0	--	7.2	--	--			
	DATE	TIME	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	
	OCT 24...	1400	14	8.3	15	2.8	18	15	62	17	<.10	13	159	
	NOV 18...	1245	11	4.9	12	2.5	25	21	32	14	<.10	17	122	
	DEC 18...	1500	12	5.2	12	3.0	--	--	37	14	<.10	15	121	
	JAN 05...	1215	8.5	3.8	9.3	2.6	13	11	30	12	<.10	11	96	
	15...	1330	8.0	3.5	7.6	2.1	14	12	25	8.4	<.10	12	80	
	DATE	TIME	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)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)
	OCT 24...	<.010	.057	.025	.66	<.20	.195	<.010	.013	44	547	8.5	3.6	
	NOV 18...	<.010	<.050	<.020	.21	.13	.028	<.010	<.010	50	213	3.5	.50	
	DEC 18...	<.010	<.050	<.020	.33	.22	.049	<.010	<.010	78	199	3.9	.40	
	JAN 05...	<.010	<.050	<.020	.79	.25	.247	.026	.025	140	432	4.5	2.5	
	15...	<.010	.079	<.020	.42	.17	.082	<.010	.013	110	141	4.8	.90	

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WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

[illegible]

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. Regulated by Grenada Lake Spillway. Satellite telemeter at Station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 14, 1948, reached an elevation of 182.81 ft above sea level at site 2600 ft upstream, discharge 78,900 ft³/s from records of U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5180	4590	1200	3350	2430	3490	2900	1520	910	386	2590	4330
2	5150	4480	884	3280	2070	3150	2800	692	758	371	2580	4320
3	5130	4490	577	3200	2150	3070	2770	513	650	369	2580	4310
4	5110	4000	758	3130	2040	3010	2750	443	592	358	2570	4300
5	5090	3730	552	4490	1320	3530	2720	411	1210	348	2550	4280
6	5200	4450	506	5330	986	3610	2700	385	1420	344	2560	4270
7	5350	4440	489	6290	959	4940	2690	371	687	340	2570	4260
8	5340	4500	508	6660	945	8880	2680	345	571	334	3140	3550
9	5330	4390	537	6300	935	3420	2570	318	523	347	3070	1820
10	5310	4350	641	6300	1010	1730	1980	311	503	630	2670	2080
11	5300	4450	602	6380	4060	1450	1430	305	480	787	2690	2520
12	5260	4350	1040	6640	2470	1210	933	301	464	1640	2900	2520
13	5250	4250	1500	6460	3850	1140	563	289	455	961	2990	2520
14	5320	4130	1460	6260	4390	1100	418	287	448	510	2960	2510
15	5230	4000	1070	6050	4330	1060	410	279	484	723	2640	2500
16	5150	3870	1390	5110	5320	1050	432	280	571	467	2650	2490
17	5050	3750	847	6420	5840	4520	557	274	468	501	2500	2490
18	4960	3620	267	6240	4140	3690	843	259	432	841	2440	2480
19	4840	3510	259	6300	5250	3300	2010	253	422	820	2410	2470
20	4800	3160	293	6140	5770	3100	747	252	422	766	2400	2470
21	4920	2690	621	6000	5660	2950	521	250	409	778	3080	2460
22	4850	2320	697	7000	5990	2820	405	246	401	816	3730	2450
23	4750	2250	690	6780	6990	2710	387	246	414	860	3720	2440
24	5520	2180	6480	6170	5950	2750	358	240	396	1140	3730	2440
25	4940	1690	2140	6030	5720	2870	332	239	386	1250	3720	2440
26	5520	1220	2380	5850	6280	2840	321	237	380	1250	3710	2430
27	4830	1190	2710	5820	6680	2820	315	381	378	1240	4030	2420
28	4650	1160	2640	5770	4430	2800	3700	437	377	1230	4360	2420
29	4630	1680	2620	5700	---	2790	1410	8130	375	1230	4350	2420
30	4720	1360	2280	5600	---	2770	1760	3960	376	1610	4350	2420
31	4660	---	2560	4180	---	2770	---	1150	---	2600	4350	---
TOTAL	157340	100250	41198	175230	107965	91340	44412	23604	16362	25847	96590	86830
MEAN	5075	3342	1329	5653	3856	2946	1480	761	545	834	3116	2894
MAX	5520	4590	6480	7000	6990	8880	3700	8130	1420	2600	4360	4330
MIN	4630	1160	259	3130	935	1050	315	237	375	334	2400	1820
CFSM	3.23	2.13	.85	3.60	2.46	1.88	.94	.48	.35	.53	1.98	1.84
IN.	3.73	2.38	.98	4.15	2.56	2.16	1.05	.56	.39	.61	2.29	2.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 1998, BY WATER YEAR (WY)

	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
MEAN	2900	2876	3631	4521	3312	3022	2340	2230	1842	1869
MAX	5075	4963	6461	5935	5487	5756	4228	9529	5646	4904
(WY)	1998	1999	1990	1991	1992	1993	1994	1995	1996	1997
MIN	1369	1909	1329	1499	1038	1033	365	189	320	322
(WY)	1991	1996	1998	1994	1992	1993	1992	1992	1993	1992

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1989 - 1998

	1997	1998	1989-1998
ANNUAL TOTAL	1356923	966968	2831
ANNUAL MEAN	3718	2649	4441
HIGHEST ANNUAL MEAN			1685
LOWEST ANNUAL MEAN			21900
HIGHEST DAILY MEAN	12400	Mar 3	8880
LOWEST DAILY MEAN	259	Dec 19	237
ANNUAL SEVEN-DAY MINIMUM	525	Dec 17	244
INSTANTANEOUS PEAK FLOW			11500
INSTANTANEOUS PEAK STAGE			20.55
ANNUAL RUNOFF (CFSM)	2.37		1.69
ANNUAL RUNOFF (INCHES)	32.15		22.91
10 PERCENT EXCEEDS	5480		5520
50 PERCENT EXCEEDS	4100		2500
90 PERCENT EXCEEDS	1140		376

07287150 ABIACA CREEK NEAR SEVEN PINES, MS

LOCATION.--Lat 33°20'24", long 90°09'04", in NW¹/₄ SE¹/₄ sec.13, T.17 N., R.1 E., Choctaw Meridian, Carroll County, Hydrologic Unit 08030206, on right bank at upstream side of bridge on county road, 5.0 mi northeast of Cruger, and 4.0 mi southwest of Seven Pines.

DRAINAGE AREA.--95.2 mi².

PERIOD OF RECORD.--Water years 1992 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.--Estimated daily discharges: Nov. 14-19, Aug. 3-4. Discharge records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

AVERAGE DISCHARGE.--7 years, 117 ft³/s, 16.7 in/yr.

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 daily, 26 ft³/s, Dec. 12, 13, 1996.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 2,600 mg/L, May 29, 1998; 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, 2,470 ft³/s, Mar. 8, gage height, 14.65 ft; minimum daily, 27 ft³/s, Dec. 19.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 2,600 mg/L, May 29; minimum daily mean, 34 mg/L, Nov. 28.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 10,800 tons, May 29; minimum daily, 2.9 tons, Nov. 28.

YAZOO RIVER BASIN

07287150 ABIACA CREEK NEAR SEVEN PINES, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

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	32	84	7.3	43	111	13	37	70	7.1
2	31	82	6.8	38	88	8.9	35	68	6.4
3	29	80	6.3	36	79	7.6	41	326	39
4	30	75	6.1	33	99	8.7	44	228	28
5	30	62	5.1	32	101	8.7	36	70	6.9
6	30	55	4.4	33	147	13	36	57	5.5
7	29	58	4.6	34	212	19	34	49	4.5
8	30	64	5.1	34	149	14	35	61	5.8
9	30	74	6.0	32	100	8.7	34	184	17
10	31	78	6.5	31	100	8.2	39	465	50
11	31	61	5.1	30	271	22	37	778	76
12	31	47	3.9	31	558	47	34	912	85
13	32	39	3.4	32	604	51	34	439	40
14	35	40	3.7	31	528	44	33	199	18
15	33	40	3.5	31	275	23	32	94	8.1
16	31	39	3.3	31	138	12	31	84	7.0
17	32	44	3.8	31	113	9.5	30	92	7.5
18	32	45	3.9	31	323	27	30	85	6.8
19	32	45	3.9	31	570	48	27	77	5.6
20	30	50	4.1	32	295	26	31	75	6.3
21	30	69	5.7	32	147	13	58	329	67
22	31	82	6.8	33	90	7.9	59	167	31
23	32	65	5.6	32	56	4.8	49	78	11
24	82	397	97	31	42	3.5	1040	1290	4370
25	53	168	24	29	41	3.2	434	348	429
26	64	215	38	29	39	3.1	147	169	70
27	44	98	12	32	37	3.1	85	116	27
28	37	85	8.5	32	34	2.9	68	87	16
29	34	81	7.4	70	427	88	62	66	11
30	34	89	8.2	48	130	17	57	59	9.0
31	46	152	20				52	55	7.8
JANUARY			FEBRUARY			MARCH			
1	51	54	7.4	81	190	42	129	125	44
2	48	53	6.9	112	195	59	109	101	30
3	47	52	6.6	113	191	58	96	126	33
4	46	51	6.3	100	154	42	90	149	36
5	289	673	635	84	106	24	99	144	39
6	123	341	115	77	92	19	105	131	37
7	758	1100	2890	74	110	22	338	405	1140
8	778	974	2480	71	132	25	1590	1490	7650
9	312	249	224	68	151	28	796	494	1090
10	160	138	60	93	171	65	367	261	273
11	119	116	37	571	672	1170	189	144	74
12	114	105	32	203	282	159	140	146	55
13	100	118	32	124	187	63	121	144	47
14	86	128	30	100	150	41	108	119	35
15	84	123	28	90	122	30	97	97	26
16	115	175	55	633	561	1060	99	93	29
17	104	136	38	1300	1320	5250	1340	1320	5720
18	91	114	28	620	379	648	561	369	585
19	83	97	22	275	253	193	262	197	144
20	77	88	18	174	166	78	159	120	52
21	81	82	18	141	136	52	120	111	36
22	383	623	866	258	287	346	102	105	29
23	267	277	214	437	313	404	89	100	24
24	135	193	71	194	171	92	82	99	22
25	102	146	40	140	114	43	77	116	24
26	87	116	27	238	265	292	73	199	39
27	185	322	176	368	299	321	70	268	51
28	124	139	47	176	183	88	70	194	36
29	95	152	39				67	135	24
30	81	172	38				65	123	21
31	76	181	37				64	224	39

YAZOO RIVER BASIN

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07287150 ABIACA CREEK NEAR SEVEN PINES, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

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	63	235	40	171	195	96	131	141	50
2	61	179	30	97	134	35	92	121	30
3	60	187	30	77	113	24	74	130	26
4	58	165	26	68	96	18	67	159	29
5	58	144	22	63	100	17	142	491	326
6	56	154	23	59	204	33	125	299	109
7	55	281	42	58	160	25	75	140	29
8	57	459	71	56	124	19	62	105	18
9	58	551	86	57	107	16	56	126	19
10	55	530	80	54	93	14	53	142	20
11	55	283	42	52	85	12	51	127	18
12	54	145	21	51	95	13	50	113	15
13	52	93	13	50	190	25	49	100	13
14	51	112	15	50	335	46	48	88	11
15	51	128	18	52	203	29	49	85	11
16	52	120	17	53	109	16	48	104	13
17	50	111	15	52	97	14	46	129	16
18	58	105	16	52	129	18	44	277	32
19	80	171	37	51	357	48	43	462	54
20	62	129	22	50	751	102	44	264	32
21	54	151	22	49	824	110	44	142	17
22	54	186	27	49	721	97	43	102	12
23	55	244	36	49	367	49	42	164	18
24	52	262	37	48	180	23	42	270	31
25	53	164	23	45	130	16	40	425	46
26	52	99	14	46	371	46	41	503	55
27	51	66	9.1	47	582	75	48	280	36
28	279	724	658	48	204	28	53	149	21
29	111	199	61	1170	2600	10800	51	95	13
30	332	837	914	629	491	898	49	126	17
31				239	231	156			
JULY			AUGUST			SEPTEMBER			
1	50	261	36	37	149	15	33	53	4.8
2	50	192	26	37	104	10	33	56	5.0
3	49	134	18	36	80	7.8	32	53	4.6
4	51	131	18	35	83	7.8	30	49	4.0
5	44	147	17	35	119	11	32	53	4.6
6	45	164	20	32	137	12	32	44	3.8
7	40	170	19	37	152	15	31	42	3.5
8	39	145	15	46	159	20	32	46	4.0
9	60	442	196	38	166	17	31	51	4.3
10	155	1410	1570	36	158	15	31	48	4.1
11	250	978	1160	37	116	11	32	49	4.3
12	217	825	621	33	95	8.4	39	62	6.5
13	237	853	611	32	108	9.3	39	63	6.7
14	188	1450	1350	35	124	12	36	60	5.7
15	146	332	133	56	218	55	31	66	5.5
16	107	254	75	60	337	66	34	71	6.5
17	62	193	33	42	149	17	36	74	7.2
18	54	153	22	37	137	14	34	71	6.5
19	49	123	16	35	130	12	33	66	6.0
20	46	109	13	36	130	13	36	61	5.9
21	43	123	14	34	127	12	36	59	5.7
22	41	152	17	37	117	12	36	60	5.8
23	40	228	25	36	108	10	34	58	5.4
24	41	284	32	34	103	9.4	31	49	4.1
25	43	216	25	32	107	9.3	32	43	3.7
26	43	160	19	33	106	9.3	31	42	3.5
27	43	138	16	32	92	7.9	33	41	3.7
28	41	181	20	32	79	6.8	38	44	4.6
29	39	223	24	33	67	6.0	45	63	7.7
30	37	229	23	32	59	5.1	46	73	9.0
31	36	211	21	33	50	4.4			

07287160 ABIACA CREEK AT CRUGER, MS

LOCATION.--Lat 33°20'29", long 90°14'13", in NE $\frac{1}{4}$ NW $\frac{1}{4}$ sec.18, T.17 N., R.1 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on left bank at downstream side of bridge on State Highway 49E, 1.0 mi north of Cruger.

DRAINAGE AREA.--95.7 mi².

PERIOD OF RECORD.--Water years 1992 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.--Estimated daily discharges: Nov. 17-20, 27-Dec. 1. Discharge records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

AVERAGE DISCHARGE.--7 years, 102 ft³/s, 14.6 in/yr.

EXTREMES FOR PERIOD OF DAILY RECORD.--

DISCHARGE: Maximum, 3,440 ft³/s, Apr. 23, 1995, gage height, 11.77 ft; minimum daily, 23 ft³/s, Aug. 22, 1996.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 3,320 mg/L, Feb. 15, 1992; minimum daily mean, 1.0 mg/L, Oct. 22, 1992.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 16,700 tons, Apr. 23, 1996; minimum daily, 0.13 ton, Oct. 22, 1992.

EXTREMES FOR CURRENT YEAR.--

DISCHARGE: Maximum, 2,260 ft³/s, Mar. 17, gage height, 10.87 ft; minimum daily, 24 ft³/s, Sept. 26.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,420 mg/L, Dec. 24; minimum daily mean, 20 mg/L Oct. 23.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 5,770 tons, Mar. 17; minimum daily, 1.6 tons, Oct. 21-23.

YAZOO RIVER BASIN

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07287160 ABIACA CREEK AT CRUGER, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

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	37	2.7	50	126	17	39	73	8.0
2	28	36	2.7	38	72	7.4	40	45	4.6
3	27	35	2.5	35	68	6.4	45	60	8.1
4	27	34	2.5	30	68	5.6	59	419	66
5	27	34	2.5	28	70	5.3	44	310	37
6	27	33	2.4	31	72	6.1	42	157	18
7	26	32	2.2	31	73	6.1	40	80	8.5
8	27	32	2.3	33	75	6.7	41	50	5.5
9	28	31	2.3	30	77	6.2	38	114	12
10	29	30	2.3	29	79	6.1	44	309	38
11	29	48	3.7	27	80	5.8	45	725	88
12	29	41	3.2	27	104	7.7	39	806	86
13	31	37	3.2	29	302	24	39	451	48
14	38	87	9.0	28	500	38	38	219	23
15	33	35	3.1	29	291	23	37	140	14
16	30	23	1.9	29	99	7.7	35	121	11
17	30	23	1.8	30	82	6.6	33	105	9.4
18	30	22	1.8	30	84	6.8	33	91	8.1
19	30	22	1.8	30	115	9.3	28	79	6.0
20	30	21	1.7	30	165	13	33	73	6.4
21	28	21	1.6	30	216	17	58	158	32
22	30	21	1.6	32	149	13	91	296	89
23	30	20	1.6	32	89	7.7	60	71	12
24	86	317	98	31	56	4.7	1040	1420	4810
25	63	86	15	28	51	3.9	404	386	445
26	76	134	29	29	49	3.8	189	190	100
27	53	81	12	29	48	3.7	116	128	40
28	40	55	5.9	29	46	3.6	93	97	24
29	35	46	4.3	70	328	75	82	88	20
30	33	42	3.8	50	207	32	73	87	17
31	46	83	13				65	88	15
JANUARY			FEBRUARY			MARCH			
1	60	88	14	73	155	32	130	222	78
2	56	89	14	108	337	99	113	207	63
3	52	89	13	108	239	70	99	189	51
4	50	90	12	96	174	45	93	170	43
5	244	879	804	83	166	37	98	157	42
6	173	277	139	74	140	28	104	169	47
7	559	1030	2160	71	131	25	177	439	583
8	943	724	2250	68	123	23	1720	1160	5770
9	301	259	219	66	116	21	739	362	782
10	159	187	81	65	110	19	314	180	159
11	115	146	45	423	852	1110	186	131	66
12	107	115	33	193	297	159	138	117	44
13	96	102	27	120	187	61	117	109	34
14	82	93	20	96	164	42	107	106	31
15	78	84	18	84	159	36	100	104	28
16	108	155	46	414	463	549	97	121	32
17	103	128	36	1260	1140	4420	1300	1240	4840
18	87	101	24	527	417	616	445	527	668
19	80	88	19	240	336	219	211	332	192
20	71	85	16	165	295	132	152	248	102
21	74	82	16	135	259	95	125	210	71
22	259	340	287	165	339	198	107	194	56
23	255	181	132	353	289	304	95	183	47
24	137	111	41	186	138	71	86	173	40
25	101	87	24	137	107	40	82	164	36
26	84	83	19	155	336	183	77	155	32
27	161	241	107	304	445	385	76	148	30
28	125	175	60	169	268	123	75	140	28
29	92	148	37				73	133	26
30	78	127	27				71	126	24
31	73	122	24				71	141	27

YAZOO RIVER BASIN

07287160 ABIACA CREEK AT CRUGER, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

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	70	324	61	169	338	161	135	187	69
2	69	359	67	103	190	53	98	155	41
3	68	240	44	80	139	30	80	150	32
4	65	155	27	70	118	22	73	150	29
5	64	113	20	63	128	22	106	268	102
6	64	169	29	58	258	41	146	313	129
7	62	281	47	56	253	38	91	184	45
8	61	469	77	53	210	30	76	150	31
9	63	643	111	53	175	25	66	123	22
10	58	450	71	53	145	21	62	102	17
11	59	294	47	51	120	17	59	93	15
12	58	192	30	48	112	14	56	86	13
13	55	132	20	47	201	25	55	80	12
14	54	125	18	46	317	40	52	75	11
15	53	125	18	47	249	31	53	88	13
16	57	125	19	47	184	23	53	219	31
17	54	125	18	46	136	17	50	455	62
18	61	183	31	45	111	13	48	465	60
19	92	526	132	43	171	20	47	274	34
20	76	257	54	42	287	32	47	150	19
21	64	182	31	41	448	50	45	120	15
22	62	177	30	42	447	50	45	114	14
23	64	323	56	42	285	32	43	108	12
24	57	212	33	43	169	20	42	103	12
25	56	161	24	43	107	12	40	183	20
26	54	132	19	42	100	11	39	300	32
27	53	116	17	43	100	12	45	281	34
28	205	956	648	42	103	12	54	177	26
29	126	374	136	1130	1080	4860	52	105	15
30	235	572	447	552	484	793	49	90	12
31				222	258	158			
JULY			AUGUST			SEPTEMBER			
1	54	117	18	31	69	5.8	28	86	6.5
2	52	155	22	33	66	5.8	28	74	5.6
3	51	137	19	33	63	5.5	28	66	4.9
4	52	125	18	30	61	4.9	25	73	5.0
5	47	115	15	30	62	5.0	27	81	6.0
6	45	105	13	27	64	4.7	29	83	6.4
7	41	97	11	32	125	11	27	106	7.8
8	37	92	9.3	44	729	89	27	119	8.6
9	39	97	10	37	535	54	25	103	6.7
10	104	401	124	33	271	24	25	60	4.0
11	236	1370	1100	32	147	13	26	59	4.2
12	168	606	309	29	102	8.0	37	89	9.1
13	198	553	313	29	104	8.0	40	114	12
14	153	386	198	31	105	8.8	36	123	12
15	145	407	165	39	95	9.9	28	119	9.1
16	114	190	60	74	518	118	31	114	9.5
17	65	120	21	44	220	26	34	110	10
18	52	93	13	37	156	16	30	106	8.7
19	46	82	10	33	121	11	28	103	7.9
20	41	80	8.8	32	110	9.6	31	99	8.3
21	37	80	7.9	30	108	8.6	32	95	8.3
22	35	109	10	32	105	9.1	32	92	8.0
23	33	195	17	33	103	9.2	31	87	7.3
24	37	350	35	31	100	8.4	26	83	5.8
25	36	541	53	28	98	7.4	25	79	5.5
26	37	354	36	28	95	7.1	24	76	5.0
27	36	196	19	26	93	6.6	26	72	5.1
28	34	109	10	27	91	6.5	30	121	11
29	34	78	7.2	28	89	6.7	44	300	35
30	32	75	6.4	29	87	6.8	44	287	34
31	31	72	5.9	29	94	7.4			

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.

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: Aug. 22 - Sept. 12, 16-19. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 24	1100	5,000	17.57	Mar. 8	0430	*5,090	*17.67
May 29	1430	4,080	16.46				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	23	23	21	93	100	77	96	65	25	19	e19
2	14	19	19	20	454	81	58	50	40	43	19	e18
3	16	16	22	19	183	70	50	41	33	25	19	e17
4	16	15	25	18	121	63	48	37	30	23	19	e16
5	16	16	20	788	93	79	46	35	35	22	19	e16
6	16	14	17	234	81	102	44	34	37	22	19	e16
7	15	15	16	1710	74	731	43	33	30	22	19	e16
8	15	15	17	1610	70	3020	43	32	27	20	24	e20
9	16	14	17	479	66	646	52	31	26	20	22	e18
10	17	14	32	199	89	309	42	32	25	45	19	e17
11	17	14	27	107	1070	214	40	30	25	34	18	e17
12	17	15	18	99	290	158	39	29	24	45	18	e47
13	18	15	17	96	119	132	39	28	24	1300	18	27
14	24	15	16	73	94	96	40	28	23	358	19	20
15	20	14	15	73	90	70	40	28	24	251	21	18
16	17	14	15	174	1100	91	39	27	24	133	22	e17
17	16	13	15	152	2350	2480	39	27	23	65	20	e16
18	16	13	14	95	749	470	45	26	22	40	19	e16
19	16	14	14	78	371	222	149	26	22	34	18	e16
20	17	14	14	69	158	176	70	25	21	28	18	18
21	17	15	48	76	113	135	51	25	20	25	18	19
22	17	15	61	1250	318	93	46	25	20	24	e19	19
23	16	15	32	554	760	74	44	25	21	23	e21	19
24	75	14	2990	172	181	65	42	25	21	22	e17	18
25	34	13	534	106	112	60	38	24	20	38	e16	18
26	25	13	256	93	225	55	37	24	20	23	e19	18
27	21	13	178	582	480	53	35	24	20	22	e18	18
28	18	13	128	207	144	52	65	24	19	21	e17	18
29	16	148	40	117	---	51	61	1890	19	20	e16	18
30	15	43	31	93	---	49	106	459	19	20	e26	17
31	17	---	24	81	---	50	---	158	---	19	e21	---
TOTAL	605	604	4695	9445	10048	10047	1568	3398	779	2812	597	567
MEAN	19.5	20.1	151	305	359	324	52.3	110	26.0	90.7	19.3	18.9
MAX	75	148	2990	1710	2350	3020	149	1890	65	1300	26	47
MIN	14	13	14	18	66	49	35	24	19	19	16	16
MED	17	15	22	106	151	93	44	28	24	25	19	18
AC-FT	1200	1200	9310	18730	19930	19930	3110	6740	1550	5580	1180	1120
CFSM	.19	.20	1.47	2.96	3.48	3.15	.51	1.06	.25	.88	.19	.18
IN.	.22	.22	1.70	3.41	3.63	3.63	.57	1.23	.28	1.02	.22	.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1998, BY WATER YEAR (WY)

	MEAN	MAX	(WY)	MIN	(WY)
1987	29.5	78.7	1988	11.0	1988
1988	61.3	188	1989	20.1	1989
1989	202	756	1990	59.7	1990
1990	257	468	1991	59.2	1991
1991	324	733	1992	103	1992
1992	321	623	1993	74.2	1993
1993	335	1635	1994	52.3	1994
1994	168	524	1995	20.2	1995
1995	158	618	1996	14.1	1996
1996	85.0	304	1997	20.7	1997
1997	44.6	123	1998	9.87	1998
1998	46.1	153	1999	16.3	1999

SUMMARY STATISTICS

	FOR 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1987 - 1998
ANNUAL TOTAL	87780	45165	173
ANNUAL MEAN	240	124	378
HIGHEST ANNUAL MEAN			73.3
LOWEST ANNUAL MEAN			14700
HIGHEST DAILY MEAN	8590	3020	6.9
LOWEST DAILY MEAN	13	13	8.1
ANNUAL SEVEN-DAY MINIMUM	14	14	14000
INSTANTANEOUS PEAK FLOW		5090	22.72
INSTANTANEOUS PEAK STAGE		17.67	125400
ANNUAL RUNOFF (AC-FT)	174100	89580	1.20
ANNUAL RUNOFF (CFSM)	2.33	1.20	22.83
ANNUAL RUNOFF (INCHES)	31.70	16.31	296
10 PERCENT EXCEEDS	523	202	37
50 PERCENT EXCEEDS	38	25	16
90 PERCENT EXCEEDS	16	16	

e Estimated

YAZOO RIVER BASIN

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.

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.--No estimated daily discharges. Records fair. 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)
Dec. 24	0545	*5,940	*20.57	Jul. 13	0800	5,050	18.93
Mar. 8	0130	4,580	18.01				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24	41	83	104	338	82	165	91	62	28	33	28
2	24	27	61	99	487	71	73	52	52	29	35	26
3	24	24	86	84	227	64	65	45	47	28	36	25
4	23	23	78	79	99	67	58	42	44	28	36	25
5	23	22	53	510	70	93	55	42	63	27	35	25
6	23	24	48	250	59	131	53	43	60	27	34	24
7	22	23	45	1380	55	1060	50	42	43	26	49	25
8	22	23	47	852	50	2190	49	38	40	26	54	29
9	21	21	94	262	47	490	48	44	38	34	32	27
10	21	21	509	103	146	231	46	51	37	37	31	26
11	21	21	113	72	1160	136	43	39	38	58	30	27
12	21	22	74	134	244	102	42	37	37	168	26	72
13	43	23	66	85	141	93	41	38	34	1540	25	48
14	45	23	63	57	83	87	42	37	33	286	24	32
15	28	22	60	67	136	82	41	34	38	152	41	27
16	26	21	57	198	1100	117	43	33	34	371	29	25
17	25	21	55	111	1540	1770	43	32	32	80	26	23
18	25	22	52	64	476	448	98	32	32	59	26	23
19	25	22	50	53	232	216	272	31	33	49	28	26
20	25	21	48	47	188	179	79	30	34	45	26	35
21	24	26	194	78	131	109	59	30	30	42	27	30
22	24	27	114	1060	634	92	55	30	29	43	26	38
23	24	24	460	313	604	83	51	29	32	43	28	31
24	90	23	3530	123	155	79	48	29	28	42	25	23
25	31	23	574	82	97	76	45	29	28	46	23	25
26	36	22	290	92	373	70	44	30	28	41	30	25
27	29	22	234	429	347	67	43	33	28	41	26	27
28	35	26	170	143	122	65	78	29	28	41	24	27
29	23	884	189	79	---	58	64	1030	28	40	23	27
30	23	172	141	62	---	57	197	363	27	36	40	29
31	57	---	113	53	---	154	---	104	---	34	32	---
TOTAL	907	1716	7751	7125	9341	8619	2090	2569	1117	3547	960	880
MEAN	29.3	57.2	250	230	334	278	69.7	82.9	37.2	114	31.0	29.3
MAX	90	884	3530	1380	1540	2190	272	1030	63	1540	54	72
MIN	21	21	45	47	47	57	41	29	27	26	23	23
CFSM	.33	.65	2.84	2.61	3.79	3.16	.79	.94	.42	1.30	.35	.33
IN.	.38	.72	3.27	3.01	3.94	3.64	.88	1.08	.47	1.50	.41	.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 1998, BY WATER YEAR (WY)

	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
MEAN	49.8	78.3	133	201	255	244	225	135	131	82.2	50.6	48.4
MAX	162	223	250	379	497	374	864	302	621	253	113	110
(WY)	1989	1990	1998	1989	1991	1991	1991	1989	1997	1989	1994	1994
MIN	18.6	32.2	68.0	56.2	80.1	88.8	45.1	29.7	21.1	26.0	18.8	24.9
(WY)	1988	1991	1994	1988	1996	1992	1987	1988	1988	1987	1987	1997

SUMMARY STATISTICS

	FOR 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1987 - 1998
ANNUAL TOTAL	69401	46622	
ANNUAL MEAN	190	128	
HIGHEST ANNUAL MEAN			138
LOWEST ANNUAL MEAN			217
HIGHEST DAILY MEAN			69.4
LOWEST DAILY MEAN	13000	3530	13000
ANNUAL SEVEN-DAY MINIMUM	19	21	11
INSTANTANEOUS PEAK FLOW	20	22	15
INSTANTANEOUS PEAK STAGE		5940	18600
ANNUAL RUNOFF (CFSM)		20.57	27.89
ANNUAL RUNOFF (INCHES)	2.16	1.45	1.57
10 PERCENT EXCEEDS	309	19.69	21.27
50 PERCENT EXCEEDS	39	43	43
90 PERCENT EXCEEDS	22	24	22

07287404 HARLAND CREEK NEAR HOWARD, MS

LOCATION.--Lat 33°06'05", long 90°10'23", in NW¹/₄ SW¹/₄ sec.35, T.15 N., R.1 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on right bank at downstream side of bridge on gravel road, 1.3 mi downstream from Williams Creek, 0.8 mi upstream from mouth, and 1.8 mi southeast of Howard.

DRAINAGE AREA.--62.1 mi².

PERIOD OF RECORD.--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.--Estimated daily discharges: May 29-June 1. Discharge records good except for estimated daily discharges, which are poor. Satellite telemeter at station. Unpublished records of daily specific conductance, pH, water temperature, and dissolved oxygen during selected storm events are available in files of District office.

AVERAGE DISCHARGE.--11 years, 92.3 ft³/s, 20.19 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, 3,210 ft³/s, Dec. 24, gage height, 16.65 ft; minimum, 8.1 ft³/s, on several days in Oct.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 2,910 mg/L, Mar. 17; minimum daily mean, 24 mg/L, Oct. 8.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 12,400 tons, Dec. 24; minimum daily, 0.53 ton, Oct. 8.

YAZOO RIVER BASIN

07287404 HARLAND CREEK NEAR HOWARD, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

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	8.3	30	.66	16	80	3.7	190	265	137
2	8.2	32	.70	42	391	47	118	202	65
3	8.3	33	.73	18	169	8.3	39	153	17
4	9.1	31	.76	12	92	3.0	23	111	7.1
5	10	29	.80	11	58	1.8	16	82	3.6
6	9.5	27	.70	11	48	1.5	14	69	2.6
7	8.5	25	.58	10	44	1.2	13	58	2.0
8	8.4	24	.53	10	40	1.1	13	50	1.8
9	9.8	25	.66	11	37	1.1	16	64	6.6
10	9.1	27	.66	10	35	.97	152	633	347
11	8.2	29	.64	9.5	33	.85	26	184	14
12	9.8	30	.79	11	32	.91	15	113	4.6
13	11	31	.95	11	31	.94	13	82	2.9
14	13	34	1.1	10	33	.90	12	65	2.2
15	9.6	33	.86	11	33	1.0	11	53	1.6
16	10	25	.67	11	33	.99	11	46	1.4
17	9.4	27	.69	11	33	.96	11	41	1.2
18	10	32	.89	10	32	.88	9.2	41	1.0
19	10	34	.92	9.4	31	.79	10	42	1.1
20	9.2	33	.82	10	30	.82	10	41	1.1
21	8.4	30	.69	12	30	.95	62	224	55
22	8.9	27	.65	12	28	.96	54	213	35
23	9.5	27	.70	12	27	.85	195	730	1680
24	55	272	48	11	26	.74	1650	2180	12400
25	33	135	12	10	32	.89	400	1090	1190
26	23	89	5.7	9.9	40	1.1	284	943	725
27	15	61	2.6	11	35	1.1	230	625	392
28	10	48	1.4	12	33	1.1	170	266	125
29	9.6	39	1.0	548	1460	3340	88	106	27
30	13	48	1.7	249	349	236	29	80	6.3
31	17	362	21				18	75	3.6
JANUARY			FEBRUARY			MARCH			
1	14	59	2.2	215	598	760	83	179	40
2	12	46	1.6	257	600	467	59	144	23
3	12	42	1.4	140	382	158	48	140	18
4	11	42	1.2	63	144	25	42	131	15
5	613	1860	4570	96	445	237	43	76	8.8
6	296	680	567	260	846	596	42	63	7.2
7	937	1950	5460	215	451	274	635	1530	5210
8	478	731	1030	43	77	9.2	1380	1790	8310
9	292	363	289	33	49	4.3	513	765	1110
10	210	266	152	63	94	58	223	470	290
11	148	206	83	350	959	1220	123	298	101
12	81	159	35	82	255	60	76	173	36
13	41	123	14	50	96	13	53	103	15
14	29	96	7.6	43	82	9.6	42	87	9.9
15	35	196	23	56	131	31	36	81	7.8
16	130	872	316	391	1030	1620	88	142	147
17	76	154	34	1060	1720	6350	1350	2910	11900
18	42	90	10	379	765	808	473	877	1200
19	33	68	6.0	192	442	235	245	430	290
20	27	57	4.1	117	250	81	150	249	103
21	41	170	32	77	124	27	101	147	40
22	635	1340	2520	307	698	1090	74	111	22
23	356	643	635	376	502	567	60	90	15
24	249	341	232	183	194	98	53	75	11
25	143	211	85	110	104	31	48	71	9.3
26	66	141	27	194	314	257	45	71	8.6
27	336	713	677	226	328	207	42	69	7.8
28	179	350	175	129	232	82	39	64	6.8
29	84	180	42				38	59	6.0
30	49	179	24				36	54	5.3
31	40	214	23				47	80	14

07287404 HARLAND CREEK NEAR HOWARD, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

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	56	109	17	39	109	12	22	150	8.2
2	44	81	9.6	31	80	6.8	21	109	6.2
3	38	67	6.9	28	73	5.5	20	110	5.8
4	35	62	5.9	24	66	4.3	19	118	5.9
5	34	58	5.4	21	52	3.0	22	127	7.6
6	33	55	4.9	23	53	3.3	23	134	8.4
7	32	55	4.8	22	63	3.8	21	117	6.6
8	31	55	4.6	21	60	3.4	19	99	5.0
9	31	53	4.4	22	59	3.6	18	92	4.6
10	30	51	4.1	21	60	3.5	18	89	4.4
11	29	50	4.0	19	62	3.1	18	85	4.1
12	29	51	4.0	18	60	3.0	18	78	3.9
13	28	51	3.9	18	59	2.9	17	72	3.3
14	27	53	3.8	17	60	2.7	17	67	3.0
15	27	55	4.0	17	61	2.7	21	72	4.2
16	27	55	4.0	17	62	2.8	30	188	16
17	26	56	3.9	16	63	2.7	22	116	6.9
18	33	80	7.6	15	65	2.6	19	100	5.1
19	43	109	13	15	67	2.7	17	80	3.8
20	32	64	5.5	14	69	2.7	16	68	3.0
21	29	65	5.1	15	66	2.6	16	60	2.7
22	29	65	5.1	14	62	2.4	16	54	2.3
23	28	59	4.4	15	61	2.4	16	52	2.3
24	27	51	3.7	14	60	2.3	16	53	2.2
25	27	51	3.7	14	59	2.3	15	53	2.2
26	26	53	3.8	14	59	2.2	15	52	2.1
27	26	55	3.9	13	60	2.1	16	51	2.2
28	36	75	7.5	13	60	2.1	16	48	2.0
29	27	54	4.0	235	777	608	15	44	1.8
30	47	162	22	100	528	145	14	42	1.6
31				28	259	20			
JULY			AUGUST			SEPTEMBER			
1	17	88	5.0	14	61	2.3	12	57	1.8
2	15	102	4.4	14	59	2.3	12	51	1.6
3	14	53	2.0	14	57	2.1	11	48	1.5
4	14	48	1.8	13	51	1.7	11	47	1.4
5	14	48	1.8	13	59	2.0	12	46	1.5
6	13	48	1.7	13	66	2.4	12	46	1.5
7	13	48	1.7	14	72	2.7	12	45	1.5
8	13	47	1.7	16	69	2.9	12	45	1.4
9	13	48	1.6	14	64	2.5	11	50	1.5
10	13	51	1.8	13	59	2.1	11	51	1.5
11	13	53	1.9	13	55	1.9	12	50	1.6
12	17	95	4.4	13	51	1.9	17	87	4.3
13	260	808	1040	14	54	2.0	15	73	3.0
14	58	526	187	13	61	2.2	13	56	1.9
15	26	421	39	18	93	5.1	12	54	1.8
16	18	102	4.9	15	104	4.3	12	53	1.8
17	15	188	7.6	13	92	3.3	12	53	1.8
18	15	131	5.3	13	76	2.7	12	54	1.8
19	15	85	3.5	12	63	2.0	12	52	1.7
20	14	56	2.2	12	52	1.7	12	50	1.7
21	14	47	1.8	12	54	1.8	12	48	1.6
22	15	45	1.9	13	60	2.1	12	55	1.7
23	15	45	1.8	13	62	2.2	11	61	1.9
24	14	44	1.7	13	61	2.1	10	57	1.6
25	15	44	1.8	12	61	2.0	11	53	1.6
26	15	43	1.8	12	62	2.0	11	51	1.5
27	15	43	1.7	12	62	2.1	11	50	1.5
28	14	47	1.8	12	60	2.0	12	48	1.5
29	14	52	2.0	13	60	2.1	12	46	1.5
30	13	58	2.1	13	63	2.2	11	44	1.3
31	13	62	2.3	12	65	2.1			

YAZOO RIVER BASIN

07288280 BIG SUNFLOWER RIVER NEAR MERIGOLD, MS
(National Water-Quality Assessment station)

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.

REVISED RECORDS.--WDR-MS-97-1: 1996.

GAGE.--Water stage recorder. Datum of gage is 100.00 ft above sea level (Mississippi Department of Transportation datum).

REMARKS.--Estimated daily discharges: Jun. 16-22. Records fair except for estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75	704	25	526	357	1960	98	2170	1310	203	218	160
2	68	700	23	276	309	1610	101	1590	704	221	222	148
3	59	546	25	178	279	1080	194	959	317	239	233	135
4	48	340	42	116	257	635	417	372	160	243	215	122
5	39	200	53	280	231	978	368	111	342	249	197	98
6	34	128	59	731	202	2110	225	75	971	279	215	96
7	32	95	45	2240	177	2460	135	70	970	261	239	110
8	29	116	39	3700	151	3700	88	49	690	223	284	103
9	29	98	48	3990	142	4090	68	67	414	212	304	96
10	33	70	66	3770	136	3770	76	77	272	221	304	110
11	35	55	78	3410	757	3260	125	69	224	255	317	138
12	37	42	68	3750	1150	2720	105	61	213	367	306	155
13	40	34	52	3900	1150	2210	75	53	198	411	269	191
14	42	34	51	3700	906	1700	58	50	185	456	361	203
15	42	51	38	3490	597	1140	46	50	175	540	463	139
16	43	111	29	4450	1520	645	42	52	e159	531	515	93
17	34	107	25	4430	2480	1160	41	59	e159	455	446	71
18	27	70	21	4030	2800	1480	75	58	e158	365	336	88
19	22	50	21	3640	2710	1370	171	61	e158	289	255	98
20	21	45	24	3070	2420	1020	102	55	e158	246	236	78
21	23	42	266	2600	2010	666	58	59	e159	228	208	72
22	27	32	978	2470	1530	472	48	83	e157	213	173	64
23	42	24	1010	2480	1220	356	48	84	156	311	163	58
24	132	20	2080	2220	1050	283	47	83	161	493	154	53
25	649	17	2840	1860	766	226	47	84	183	452	134	56
26	1580	17	2880	1470	887	215	40	85	190	426	114	53
27	1650	16	2710	1600	1990	210	71	94	193	437	134	48
28	1330	15	2420	1570	2100	170	2090	92	209	362	189	44
29	813	29	2040	1310	---	148	2800	901	232	280	199	39
30	358	28	1600	891	---	138	2620	1890	209	236	197	38
31	347	---	1040	526	---	112	---	1740	---	225	184	---
TOTAL	7740	3836	20696	72674	30284	42094	10479	11303	9786	9929	7784	2957
MEAN	250	128	668	2344	1082	1358	349	365	326	320	251	98.6
MAX	1650	704	2880	4450	2800	4090	2800	2170	1310	540	515	203
MIN	21	15	21	116	136	112	40	49	156	203	114	38
CFSM	.47	.24	1.25	4.40	2.03	2.55	.66	.68	.61	.60	.47	.18
IN.	.54	.27	1.44	5.07	2.11	2.94	.73	.79	.68	.69	.54	.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 1998, BY WATER YEAR (WY)

	1993	1994	1995	1996	1997	1998
MEAN	108	297	975	1536	1345	1570
MAX	250	737	1557	2344	3968	2853
(WY)	1998	1994	1997	1998	1994	1997
MIN	22.1	15.6	569	702	269	220
(WY)	1996	1996	1996	1996	1993	1993

SUMMARY STATISTICS	FOR 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1993 - 1998
ANNUAL TOTAL	378703	229562	773
ANNUAL MEAN	1038	629	1175
HIGHEST ANNUAL MEAN			390
LOWEST ANNUAL MEAN			6780
HIGHEST DAILY MEAN	6050	Mar 6	4450
LOWEST DAILY MEAN	15	Nov 28	15
ANNUAL SEVEN-DAY MINIMUM	20	Nov 23	20
INSTANTANEOUS PEAK FLOW			4590
INSTANTANEOUS PEAK STAGE			26.13
INSTANTANEOUS LOW FLOW			14
ANNUAL RUNOFF (CFSM)	1.95	1.18	1.45
ANNUAL RUNOFF (INCHES)	26.43	16.02	19.70
10 PERCENT EXCEEDS	2850	2130	2430
50 PERCENT EXCEEDS	356	199	260
90 PERCENT EXCEEDS	40	39	40

e Estimated

07288650 BOGUE PHALIA NEAR LELAND, MS
(National Water-Quality Assessment station)

LOCATION.--Lat 33°23'47", long 90°50'47", in NW1/4 sec.20, T.18 N., R.6 W., Choctaw Meridian, Washington County, Hydrologic Unit 03030207, County Code 151, at county road bridge 2.7 mi east of Leland and 1.5 mi downstream of U.S. Highway 82.

DRAINAGE AREA.--484 mi², U.S. Army Corps of Engineers.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Oct. 1, 1995 to current year. Nov. 13, 1945, to September 29, 1992, stage data available; November 1945 to date, measured discharge available; November 14, 1945, to December 31, 1946, daily discharge available in U.S. Army Corps of Engineers' records.

GAGE.--Water stage recorder. Datum of gage is 86.21 ft above sea level (levels by U.S. Army Corps of Engineers).

REMARKS.--Estimated daily discharges: Oct. 16 - Nov. 24, 26-28, and Jan. 22,23. Records good except for estimated daily discharges, which are poor. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES OUTSIDE OF PERIOD OF RECORD: Maximum gage height 28.80 ft, Feb. 22, 1991, by U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33	e42	627	182	314	1390	48	1810	2820	180	204	66
2	28	e34	204	132	299	748	47	802	1330	188	181	60
3	25	e32	145	104	219	438	55	375	583	182	164	59
4	23	e35	276	85	169	265	142	195	276	187	169	63
5	22	e57	221	499	139	227	120	122	295	216	157	64
6	21	e64	146	1290	139	282	89	88	1070	278	146	55
7	21	e66	107	3720	166	1070	71	73	962	353	164	52
8	22	e60	99	6250	134	5190	57	67	654	352	247	51
9	22	e54	160	6170	98	5550	48	59	447	291	334	52
10	23	e48	196	4630	96	3850	46	57	330	244	339	50
11	24	e48	169	2870	479	2030	48	59	238	220	336	49
12	23	e54	122	2820	593	1020	47	62	179	308	406	61
13	24	e66	90	3320	404	612	42	63	151	1280	519	162
14	52	e70	71	2580	274	356	41	68	146	2110	596	360
15	62	e78	59	1890	196	222	38	69	145	2080	644	361
16	e45	e71	53	3950	1600	181	37	71	138	1520	674	218
17	e37	e67	50	4180	3930	1290	35	69	132	978	598	126
18	e31	e60	49	2800	3920	1700	40	76	126	643	465	87
19	e25	e55	48	1710	2620	960	239	80	117	443	385	66
20	e23	e53	46	1150	1370	526	330	75	131	331	328	57
21	e22	e49	342	846	761	317	155	75	142	253	301	50
22	e24	e46	1560	e2400	517	204	86	85	146	196	238	46
23	e46	e43	1390	e3450	805	145	62	87	138	178	179	44
24	e93	e40	3430	2660	651	113	46	92	136	226	137	43
25	e97	38	4990	1470	474	94	40	91	142	357	112	41
26	e125	e36	4170	885	673	75	37	94	144	472	99	38
27	e220	e34	2630	1320	2530	66	36	85	159	540	96	35
28	e172	e37	1330	1340	2440	61	1830	85	166	473	85	34
29	e109	562	694	902	---	55	4160	2000	176	363	84	33
30	e78	949	427	575	---	51	3430	4780	177	288	82	33
31	e60	---	272	406	---	50	---	4430	---	245	72	---
TOTAL	1632	2948	24173	66586	26010	29138	11502	16244	11796	15975	8541	2516
MEAN	52.6	98.3	780	2148	929	940	383	524	393	515	276	83.9
MAX	220	949	4990	6250	3930	5550	4160	4780	2820	2110	674	361
MIN	21	32	46	85	96	50	35	57	117	178	72	33
CFSM	.11	.20	1.61	4.44	1.92	1.94	.79	1.08	.81	1.06	.57	.17
IN.	.13	.23	1.86	5.12	2.00	2.24	.88	1.25	.91	1.23	.66	.19

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1998, BY WATER YEAR (WY)

	1996	1997	1998	1996	1997	1998	1996	1997	1998	1996	1997	1998
MEAN	50.7	173	958	1456	815	1143	712	634	704	412	337	144
MAX	92.8	413	1384	2148	1279	2135	1081	1338	1360	515	408	219
(WY)	1997	1997	1997	1998	1997	1997	1996	1997	1997	1998	1997	1996
MIN	6.73	6.84	710	498	256	354	383	38.9	358	296	276	83.9
(WY)	1996	1996	1996	1996	1996	1996	1998	1996	1996	1996	1998	1998

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1996 - 1998

ANNUAL TOTAL	316163	217061	629
ANNUAL MEAN	866	595	947
HIGHEST ANNUAL MEAN			346
LOWEST ANNUAL MEAN			7680
HIGHEST DAILY MEAN	7680	Mar 3	6250
LOWEST DAILY MEAN	21	Oct 6	21
ANNUAL SEVEN-DAY MINIMUM	22	Oct 4	22
INSTANTANEOUS PEAK FLOW			6550
INSTANTANEOUS PEAK STAGE			23.52
INSTANTANEOUS LOW FLOW			21
ANNUAL RUNOFF (CFSM)	1.79	1.23	1.30
ANNUAL RUNOFF (INCHES)	24.30	16.68	17.65
10 PERCENT EXCEEDS	2650	1850	1820
50 PERCENT EXCEEDS	316	146	184
90 PERCENT EXCEEDS	44	39	19

e Estimated

07288650 BOGUE PHALIA NEAR LELAND, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1995 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1996 to January 1998 (discontinued).

WATER TEMPERATURE: July 1996 to January 1998 (discontinued).

INSTRUMENTATION.--Specific conductance and water temperature data logger since July 1996.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily mean, 674 microsiemens, Aug. 31, 1997; minimum daily mean, 68 microsiemens, Mar. 3, 1997.

WATER TEMPERATURE: Maximum daily mean, 33.5°C, July 27, 28, 1997; minimum daily mean, 0.5°C, Jan. 18, 1997.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily mean, 611 microsiemens, Oct. 12; minimum daily mean, 71 microsiemens, Jan. 16.

WATER TEMPERATURE: Maximum daily mean, 24.5°C, Oct. 1, 7, 8, 9; minimum daily mean, 5.5°C, Jan. 17.

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	SAM- PLING DEPTH (FEET) (000003)	LOC- ATION, CROSS SECTION (FT FM L BANK) (000009)	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)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
OCT											
07...	1130	--	--	21	569	7.5	25.0	11.0	8.5	103	65
20...	1500	--	--	42	510	7.3	18.0	13.0	9.6	63	95
NOV											
04...	1345	--	--	50	209	7.2	15.0	4.00	8.2	202	97
04...	1407	15.9	70.0	--	209	7.2	15.0	--	8.2	--	--
04...	1409	1.00	30.0	--	209	7.2	15.0	--	8.3	--	--
04...	1410	3.90	30.0	--	209	7.2	15.0	--	8.2	--	--
04...	1412	1.00	110	--	209	7.2	15.0	--	8.2	--	--
04...	1413	3.20	110	--	209	7.2	15.0	--	8.2	--	--
17...	1215	--	--	667	330	7.5	8.0	14.5	11.4	95	89
DEC											
01...	1030	--	--	627	194	7.4	14.0	2.50	6.5	342	99
17...	1400	--	--	50	339	7.6	9.0	11.0	9.4	75	98
29...	1130	--	--	688	104	7.1	6.5	3.00	--	191	98
JAN											
14...	1230	--	--	2570	92	7.1	10.5	3.00	10.7	255	99
28...	1200	--	--	1350	106	7.3	7.5	--	11.5	299	80
APR											
14...	1115	--	--	41	416	7.4	19.0	7.50	7.4	127	92
MAY											
13...	1045	--	--	62	377	7.9	25.0	--	9.0	230	97
JUN											
09...	1250	--	--	436	371	6.6	27.0	10.0	6.7	--	--
18...	1130	--	--	126	561	7.8	31.5	--	7.3	183	96
JUL											
15...	1030	--	--	2130	342	7.2	28.0	--	3.6	183	96
AUG											
19...	1200	--	--	383	622	7.9	29.5	12.0	5.9	132	87
19...	1201	.50	100	--	621	7.9	29.5	--	6.0	--	--
19...	1202	.50	115	--	625	7.9	29.5	--	6.1	--	--
19...	1203	.50	130	--	622	7.9	29.5	--	5.9	--	--
19...	1204	.50	145	--	622	7.9	29.5	--	6.0	--	--
19...	1205	.50	165	--	622	7.9	29.0	--	5.8	--	--
26...	0900	--	--	97	618	7.9	30.5	--	5.3	--	--
SEP											
16...	1100	--	--	219	523	7.8	27.0	--	5.4	197	100

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)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKAL- INITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
OCT									
07...	1130	13	76	23	13	4.6	283	232	42
20...	1500	19	62	18	12	7.1	244	200	47
NOV									
04...	1345	83	19	6.3	6.6	6.6	78	64	19
17...	1215	28	33	10	11	5.7	146	119	24
DEC									
01...	1030	200	18	5.9	7.6	7.0	72	59	18
17...	1400	28	42	13	10	4.5	185	152	23
29...	1130	130	11	3.5	3.5	4.5	47	39	6.3
JAN									
14...	1230	160	10	3.2	3.4	3.2	47	39	4.3
28...	1200	140	11	3.4	3.8	2.6	58	47	7.2
APR									
14...	1115	--	52	15	12	3.3	212	174	28
MAY									
13...	1045	--	52	15	14	4.2	188	154	58
JUN									
18...	1130	--	53	21	28	4.3	203	166	89
JUL									
15...	1030	--	38	13	13	3.8	168	138	31
AUG									
19...	1200	--	70	23	23	7.0	273	224	46
SEP									
16...	1100	--	53	20	19	8.9	222	182	--

YAZOO RIVER BASIN

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07288650 BOGUE PHALIA NEAR LELAND, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

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)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT								
07...	6.4	.19	20	357	<.010	<.050	<.015	.56
20...	9.4	.19	18	314	.015	.105	.051	1.1
NOV								
04...	6.9	.13	9.8	137	.040	.378	.029	1.0
17...	8.3	.17	12	203	.018	.273	<.020	.85
DEC								
01...	7.8	.13	9.6	122	.022	.586	<.020	.78
17...	7.5	.21	11	214	<.010	.102	.023	.78
29...	3.3	<.10	6.0	76	<.010	.586	.029	.91
JAN								
14...	2.0	<.10	5.9	59	.010	.263	<.020	1.1
28...	2.6	<.10	4.9	77	<.010	.236	.038	.99
APR								
14...	6.2	.23	12	255	.012	<.050	.039	1.3
MAY								
13...	10	.19	9.2	271	<.010	<.050	.021	.76
JUN								
18...	13	.28	9.5	351	.157	.818	.060	1.9
JUL								
15...	5.1	.14	15	228	.276	1.09	.377	1.4
AUG								
19...	14	.23	20	405	.012	.103	.117	.74
SEP								
16...	--	--	15	--	.025	.194	.041	.98

DATE	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDEED TOTAL (MG/L AS C) (00689)
OCT								
07...	.36	.081	.019	.012	8.2	686	3.3	.20
20...	.41	.143	.018	<.010	9.3	392	5.2	2.3
NOV								
04...	.59	.228	.086	.101	12	8.3	6.2	4.1
17...	.53	.150	.030	.023	14	108	6.8	1.7
DEC								
01...	.61	.219	.131	.135	700	25	--	--
17...	.47	.122	.020	.010	10	231	5.7	.70
29...	.42	.324	.117	.122	42	<4.0	7.6	--
JAN								
14...	.28	.400	.081	.081	33	<4.0	4.7	3.1
28...	.36	.274	.043	.044	33	7.9	4.1	5.0
APR								
14...	.50	.183	.023	.020	<10	181	5.7	--
MAY								
13...	.49	.052	<.010	<.010	14	36	--	--
JUN								
18...	.92	.205	.019	.018	13	41	6.5	--
JUL								
15...	.90	.198	.093	.087	<10	5.3	5.0	--
AUG								
19...	.45	.178	.109	.040	<10	6.2	--	--
SEP								
16...	.63	.215	.140	.130	11	<4.0	7.4	--

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ACETO- CHLOR, WATER, FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	METO- LACHLOR WATER, DISSOLV (UG/L) (39415)	NAPROP- AMIDE WATER FLTRD GF, REC (UG/L) (82684)	PRON- AMIDE WATER FLTRD GF, REC (UG/L) (82676)	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD GF, REC (UG/L) (82679)	ALDI- CARB, WATER, FLTRD GF 0.7U REC (UG/L) (49312)	ALDI- CARB SULFONE WAT, FLT GF 0.7U REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT, FLT GF 0.7U REC (UG/L) (49314)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)
OCT											
07...	<.0020	<.002	.018	<.0030	<.0030	<.0070	<.0040	<.0160	<.0160	<.0210	<.0020
20...	<.0020	<.002	.036	<.0200	<.0030	<.0070	<.0040	<.0160	<.0160	<.0210	<.0020
NOV											
04...	<.0020	<.002	.077	<.0030	<.0030	<.0070	.0072	<.0160	<.0160	<.0210	<.0020
17...	<.0020	<.002	.052	<.0030	<.0030	<.0070	<.0040	<.550	<.100	<.0210	<.0020
DEC											
01...	<.0020	<.002	.074	<.0030	<.0030	<.0070	.0189	<.550	<.100	<.0210	<.0020
17...	<.0020	<.002	.045	<.0030	E.0037	<.0070	<.0040	<.550	<.100	<.0210	<.0020
29...	<.0020	<.002	.031	<.0030	<.0030	<.0070	<.0040	<.550	<.100	<.0210	<.0020
JAN											
14...	<.0020	<.002	.029	<.0030	<.0030	<.0070	E.0035	<.550	<.100	<.0210	<.0020
28...	<.0020	<.002	.024	<.0030	<.0030	<.0070	E.0037	<.550	<.100	<.0210	<.0020
APR											
14...	<.0020	<.002	.225	<.0030	<.0030	<.0070	<.0040	--	--	--	<.0020
MAY											
13...	.0070	<.002	1.64	<.0030	<.0030	<.0070	.0458	--	--	--	<.0020
JUN											
18...	<.0020	<.002	.832	<.0030	<.0030	<.0070	.321	--	--	--	<.0020
JUL											
15...	<.0020	<.002	.304	<.0030	<.0030	<.0070	<.0040	--	--	--	<.0020
AUG											
19...	<.0020	<.002	.058	<.0030	<.0030	<.0070	<.0040	--	--	--	<.0020
SEP											
16...	<.0020	<.002	.057	<.0030	<.0030	<.0070	<.0040	--	--	--	<.0020

07288650 BOGUE PHALIA NEAR LELAND, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	CAR-BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CAR-BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (82680)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (82674)	3HYDRXY CARBO- FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	EPTC WATER FLTRD GF 0.7U REC (UG/L) (82668)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	MOL-INATE, WATER, FLTRD, GF 0.7U REC (UG/L) (82671)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PBB-ULATE, WATER, FLTRD, GF 0.7U REC (UG/L) (82669)
OCT 07...	<.0080	<.0030	<.0280	<.0030	<.0140	<.0020	<.0260	<.0170	.205	<.0180	<.0040
20...	<.0080	<.0030	<.0280	<.0030	<.0140	<.0020	<.0260	<.0170	.179	<.0180	<.0040
NOV 04...	<.0080	<.0030	<.0280	<.0030	<.0140	<.0020	<.0260	<.0170	.0569	<.0180	<.0040
17...	<.0080	<.0030	<.120	<.0030	<.0140	<.0020	<.0260	<.0170	.0690	<.0180	<.0040
DEC 01...	<.0080	<.0030	<.120	<.0600	<.0140	<.0020	<.0260	<.0170	.0210	<.0180	<.0040
17...	<.0080	<.0030	<.120	<.0030	<.0140	<.0020	<.0260	<.0170	.0770	<.0180	<.0040
29...	<.0080	<.0030	<.120	<.0030	<.0140	<.0020	<.0260	<.0170	.0104	<.0180	<.0040
JAN 14...	<.0080	<.0030	<.120	<.0030	<.0140	<.0020	<.0260	<.0170	.0104	<.0180	<.0040
28...	<.0080	<.0030	<.120	<.0030	<.0140	<.0020	<.0260	<.0170	.0119	<.0180	<.0040
APR 14...	--	<.0030	--	<.0030	--	<.0020	--	--	.0784	--	<.0040
MAY 13...	--	<.0030	--	<.0030	--	<.0020	--	--	.278	--	<.0040
JUN 18...	--	<.0030	--	<.0030	--	<.0020	--	--	E76.5	--	<.0040
JUL 15...	--	<.0030	--	E.318	--	<.0020	--	--	5.29	--	<.0040
AUG 19...	--	<.0030	--	<.0030	--	<.0020	--	--	.412	--	<.0040
SEP 16...	--	<.0030	--	<.0030	--	<.0020	--	--	.238	--	<.0040
DATE	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	THIO-BENCARB, WATER, FLTRD, GF 0.7U REC (UG/L) (82681)	TRIAL-LATE, WATER, FLTRD, GF 0.7U REC (UG/L) (82678)	2,4-D, DIS-SOLVED REC (UG/L) (39732)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	SILVEX, DIS-SOLVED REC (UG/L) (39762)	2,4,5-T DIS-SOLVED REC (UG/L) (39742)
OCT 07...	<.0350	<.0350	<.0020	<.0010	<.035	<.0320	<.0350	<.0500	<.0350	<.0210	<.0350
20...	<.0350	<.0350	<.0020	<.0010	<.035	<.0320	<.0350	<.0500	<.0350	<.0210	<.0350
NOV 04...	<.0350	<.0350	.0077	<.0010	<.035	<.0320	<.0350	<.0500	<.0350	<.0210	<.0350
17...	<.0350	<.0350	<.0020	<.0010	<.150	<.0320	<.240	<.170	<.140	<.0210	<.0350
DEC 01...	<.0350	<.0350	<.0100	<.0010	<.150	<.0320	<.240	<.170	<.140	<.0210	<.0350
17...	<.0350	<.0350	<.0020	<.0010	<.150	<.0320	<.240	<.170	<.140	<.0210	<.0350
29...	<.0350	<.0350	<.0020	<.0010	<.150	<.0320	<.240	<.170	<.140	<.0210	<.0350
JAN 14...	<.0350	<.0350	<.0020	<.0010	<.150	<.0320	<.240	<.170	<.140	<.0210	<.0350
28...	<.0350	<.0350	<.0020	<.0010	<.150	<.0320	<.240	<.170	<.140	<.0210	<.0350
APR 14...	--	--	E.0039	<.0010	--	--	--	--	--	--	--
MAY 13...	--	--	.0267	<.0010	--	--	--	--	--	--	--
JUN 18...	--	--	2.97	<.0010	--	--	--	--	--	--	--
JUL 15...	--	--	.0886	<.0010	--	--	--	--	--	--	--
AUG 19...	--	--	.0297	<.0010	--	--	--	--	--	--	--
SEP 16...	--	--	<.0100	<.0010	--	--	--	--	--	--	--
DATE	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	BEN-FLUR-ALIN, WAT,FLT GF 0.7U REC (UG/L) (82673)	ETHAL-FLUR-ALIN, WAT,FLT GF 0.7U REC (UG/L) (82663)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	PENDI-METH-ALIN, WAT,FLT GF 0.7U REC (UG/L) (82683)	TRI-FLUR-ALIN, WAT,FLT GF 0.7U REC (UG/L) (82661)	ALPHA BHC DIS-SOLVED REC (UG/L) (34253)	CHLORO-THALO-NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	DCPA WATER FLTRD GF 0.7U REC (UG/L) (82682)	DACTHAL MONO-ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	P, P' DDE DISSOLV (UG/L) (34653)
OCT 07...	<.0500	<.0020	<.0040	<.0190	<.0040	<.0020	<.0020	<.0350	<.0020	<.0170	<.0060
20...	<.0500	<.0020	<.0040	<.0190	<.0040	<.0020	<.0020	<.0350	<.0020	<.0170	<.0060
NOV 04...	<.0500	<.0020	<.0040	<.0190	<.0040	E.0032	<.0020	<.0350	<.0020	<.0170	<.0060
17...	<.250	<.0020	<.0040	<.310	<.0040	<.0020	<.0020	<.480	<.0020	<.0170	<.0060
DEC 01...	<.250	<.0020	<.0040	<.310	.0146	<.0020	<.0020	<.480	<.0020	<.0170	<.0060
17...	<.250	<.0020	<.0040	<.310	<.0040	<.0020	<.0020	<.480	<.0020	<.0170	<.0060
29...	<.250	<.0020	<.0040	<.310	<.0040	<.0020	<.0020	<.480	<.0020	<.0170	<.0060
JAN 14...	<.250	<.0020	<.0040	<.310	<.0040	E.0029	<.0020	<.480	<.0020	<.0170	<.0060
28...	<.250	<.0020	<.0040	<.310	<.0040	<.0020	<.0020	<.480	<.0020	<.0170	E.0022
APR 14...	--	<.0020	<.0040	--	<.0040	E.0021	<.0020	--	<.0020	--	<.0060
MAY 13...	--	<.0020	<.0040	--	.109	<.0020	<.0020	--	<.0020	--	<.0060
JUN 18...	--	<.0020	<.0040	--	.328	<.0020	<.0020	--	<.0020	--	<.0060
JUL 15...	--	<.0020	<.0040	--	.0388	<.0020	<.0020	--	<.0020	--	<.0060
AUG 19...	--	<.0020	<.0040	--	<.0040	<.0020	<.0020	--	<.0020	--	<.0060
SEP 16...	--	<.0020	<.0040	--	<.0040	<.0020	<.0020	--	<.0020	--	<.0060

YAZOO RIVER BASIN

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07288650 BOGUE PHALIA NEAR LELAND, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	DICHLOR- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	LINDANE DIS- SOLVED (UG/L) (39341)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	
	OCT 07...	<.0200	<.001	<.004	<.0700	<.0040	<.002	<.0170	<.0030	<.0030	.013	<.0060
	20...	<.0200	<.001	<.004	<.200	<.0040	<.002	<.0170	<.0030	<.0030	<.005	<.0060
NOV 04...	<.0200	<.001	<.004	<.300	<.0040	<.002	<.0170	<.0030	<.0030	.030	<.0060	
17...	<1.20	<.001	<.004	<.0010	<.0040	<.002	<.0170	<.0030	<.0030	<.010	<.0060	
DEC 01...	<1.20	<.001	<.004	<.530	<.0040	<.002	<.0170	<.0030	<.0030	.325	<.0060	
17...	<1.20	<.001	<.004	<.0010	<.0040	<.002	<.0170	<.0030	<.0030	.023	<.0060	
29...	<1.20	<.001	<.004	<1.00	<.0040	<.002	<.0170	<.0030	<.0030	.026	<.0060	
JAN 14...	<1.20	<.001	<.004	<.0010	<.0040	<.002	<.0170	<.0030	<.0030	.017	<.0060	
28...	<1.20	<.001	<.004	<.0010	<.0040	<.002	<.0170	<.0030	<.0030	.017	<.0060	
APR 14...	--	<.001	<.004	<.0010	<.0040	<.002	<.0170	<.0030	<.0030	<.005	<.0060	
MAY 13...	--	<.001	<.004	<.0010	<.0040	<.002	<.0170	<.0030	<.0030	<.005	<.0060	
JUN 18...	--	<.001	<.004	<.0010	<.0040	<.002	<.0170	<.0030	<.0030	.006	<.0200	
JUL 15...	--	<.001	<.004	<.0010	<.0040	<.002	<.0170	<.0030	<.0030	.093	.223	
AUG 19...	--	<.001	<.004	<.0010	<.0040	<.002	<.0170	<.0030	<.0030	.170	.184	
SEP 16...	--	<.001	<.004	<.0010	<.0040	<.002	<.0170	<.0030	<.0030	.078	<.0060	
DATE	PARA- THION, DIS- SOLVED (UG/L) (39542)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	METRI- BUZIN SENCOR WATER DISSOLV REC (UG/L) (82630)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	
OCT 07...	<.004	<.0020	<.0130	<.0050	.010	<.0020	.0198	<.004	<.0180	<.0050	<.0350	
20...	<.004	<.0020	<.0130	<.0050	.034	E.0046	.0248	<.004	<.0180	.0503	<.0350	
NOV 04...	<.004	<.0020	<.0130	<.0050	.021	E.0025	.0636	.014	<.0180	.107	<.0350	
17...	<.004	<.0020	<.0130	<.0050	.022	E.0018	.0392	<.004	<.0180	.0331	<.0350	
DEC 01...	<.004	<.0020	<.0130	<.0050	.014	E.0026	.0442	<.004	<.0180	.164	<.0350	
17...	<.004	<.0020	<.0130	<.0050	.006	E.0026	.0395	<.004	<.0180	.0121	<.0350	
29...	<.004	<.0020	<.0130	<.0050	.007	E.0027	.0381	.024	<.0180	<.0050	<.0350	
JAN 14...	<.004	<.0020	<.0130	<.0050	.010	E.0014	.0159	.059	<.0180	.0066	<.0350	
28...	<.004	<.0020	<.0130	<.0050	.007	E.0015	.0100	.006	<.0180	.0121	<.0350	
APR 14...	<.004	<.0020	<.0130	<.0050	.037	<.0020	.0172	<.004	<.0180	.0141	--	
MAY 13...	<.004	<.0020	<.0130	<.0050	1.79	E.0418	.0686	.053	<.0180	.0149	--	
JUN 18...	<.004	<.0020	<.0130	<.0050	.766	E.0907	.0965	<.004	<.0180	<.0050	--	
JUL 15...	<.004	<.0020	<.0130	<.0050	.076	E.0146	.882	<.004	<.0180	<.0050	--	
AUG 19...	<.004	<.0020	<.0130	<.0050	.010	<.0020	.0958	<.004	<.0180	<.0050	--	
SEP 16...	<.004	<.0020	<.0130	<.0050	.011	<.0020	.0512	<.004	<.0180	.115	--	
DATE	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	FEN- URON, WATER, FLTRD GF 0.7U GF REC (UG/L) (49297)	DIURON, WATER, FLTRD, GF 0.7U GF REC (UG/L) (49300)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	LINURON WATER, FLTRD, GF 0.7U GF REC (UG/L) (38478)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	NEB- URON, WATER, FLTRD, GF 0.7U GF REC (UG/L) (49294)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	BENTA- ZON, WATER, FLTRD, GF 0.7U GF REC (UG/L) (38711)		
OCT 07...	<.0070	<.0130	<.0200	<.0350	<.0180	<.0020	<.0150	.0117	<.0350	<.0140		
20...	<.0070	<.0130	<.0200	E.100	<.0180	<.0020	<.0150	E.0071	.0600	<.0140		
NOV 04...	<.0070	<.0130	.390	<.0350	<.0180	<.0020	<.0150	<.0100	.0500	<.0140		
17...	<.0070	<.0130	.530	.0700	<.0180	<.0020	<.0150	<.0100	.0500	<.0140		
DEC 01...	<.0070	<.0130	E2.08	<.0350	<.0180	<.0020	<.0150	<.0100	<.0350	<.0140		
17...	<.0070	<.0130	.330	.0400	<.0180	<.0020	<.0150	<.0100	E.0300	.0500		
29...	<.0070	<.0130	.390	.0700	<.0180	<.0020	<.0150	<.0100	.0600	<.0140		
JAN 14...	<.0070	<.0130	.130	.0500	<.0180	<.0020	<.0150	<.0100	.110	<.0140		
28...	<.0070	<.0130	.0700	<.0350	<.0180	<.0020	<.0150	<.0100	<.0350	<.0140		
APR 14...	<.0070	--	--	--	--	<.0020	--	.0140	--	--		
MAY 13...	<.0070	--	--	--	--	<.0020	--	.0128	--	--		
JUN 18...	<.0070	--	--	--	--	<.0020	--	<.0100	--	--		
JUL 15...	<.0070	--	--	--	--	<.0020	--	<.0100	--	--		
AUG 19...	<.0070	--	--	--	--	<.0020	--	<.0100	--	--		
SEP 16...	<.0070	--	--	--	--	<.0020	--	<.0100	--	--		

YAZOO RIVER BASIN

07288650 BOGUE PHALIA NEAR LELAND, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CHLOR- AMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DINOSB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DNOC WAT,FLT GF 0.7U REC (UG/L) (49299)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)
OCT										
07...	<.0350	<.0110	<.0500	<.0350	<.0030	<.0350	<.0350	<.0240	<.0500	<.0130
20...	<.0350	<.0110	<.0500	<.0350	<.0030	<.0350	<.0350	<.0240	<.0500	<.0130
NOV										
04...	<.0350	<.0110	<.0500	<.0350	<.0030	<.0350	<.0350	<.0240	<.0500	<.0130
17...	<.0350	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130
DEC										
01...	<.0350	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130
17...	<.0350	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130
29...	<.0350	<.420	<.230	E.430	<.0030	<.0350	<.420	<.0240	<.0500	<.0130
JAN										
14...	<.0350	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130
28...	<.0350	<.420	<.230	<.0350	<.0030	<.0350	<.420	.0700	<.0500	<.0130
APR										
14...	--	--	--	--	<.0030	--	--	--	--	<.0130
MAY										
13...	--	--	--	--	<.0030	--	--	--	--	<.0130
JUN										
18...	--	--	--	--	<.0030	--	--	--	--	<.0130
JUL										
15...	--	--	--	--	<.0030	--	--	--	--	<.0130
AUG										
19...	--	--	--	--	<.0030	--	--	--	--	<.0130
SEP										
16...	--	--	--	--	<.0030	--	--	--	--	<.0130

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

[illegible][illegible]

YAZOO RIVER BASIN

07288955 YAZOO RIVER BELOW STEELE BAYOU NEAR LONG LAKE, MS
(National Water-Quality Assessment station)

LOCATION.--Lat 32°26'37", long 90°54'00", in SE1/4 sec.4, T.17 N., R.3 E., Washington Meridian, Warren County, Hydrologic Unit 08030208, on left bank at downstream abandoned Eagle Lake Ferries site, 1.5 mi downstream from Steele Bayou, 3.0 mi northwest of Long Lake, and at river mile 9.5 upstream of the confluence of the Yazoo River Diversion Canal with the Mississippi River.

DRAINAGE AREA.--13,355 mi², approximately, U.S. Army Corps of Engineers.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1996 to current year.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is sea level (U.S. Army Corps of Engineers benchmark).

REMARKS.--Estimated daily discharges: Apr. 23-30, May 9-18, Jun. 10-13, Jun. 18 - Jul. 9, 18-27, and Sept. 23-24. Records good except estimated daily discharges, which are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13900	17100	20300	22000	48200	38600	11700	11400	46600	e2940	8320	9740
2	14900	17700	17100	19200	48300	36900	11300	12200	43400	e3080	8000	9750
3	13800	18200	15100	17700	46300	35800	12900	11900	40800	e2880	7350	10100
4	13600	17400	14100	16500	41600	34800	12800	11400	36000	e2690	6860	10300
5	13700	17200	13500	21800	37000	34500	12000	11800	32900	e2500	6950	10100
6	14400	16000	12700	28400	33300	33700	13000	10300	31100	e2300	7460	9950
7	14600	14600	11600	36000	30800	34800	14100	10500	26200	e2100	8500	9850
8	14000	14100	11600	40800	29000	44600	14700	10400	22600	e1910	10200	9890
9	13700	13500	11700	42300	27300	48500	14400	19000	19000	e1720	10800	9810
10	13900	13900	12300	42100	26200	47400	14400	e9430	e15500	1520	10900	9710
11	14100	13200	12200	40900	29900	51800	13600	e8950	e11900	3430	10600	9400
12	13900	12900	11700	39000	31000	50600	12600	e8300	e8380	9060	9970	9540
13	14000	13100	11500	35300	28400	48400	12800	e7650	e7660	11900	10200	9560
14	14400	13100	11200	31500	25500	46300	11900	e7000	6940	20400	10300	9530
15	14300	12700	11200	29700	23900	43300	11200	e7160	7810	26300	10700	9820
16	14100	12600	11100	30400	28500	36700	11500	e7310	8620	25600	11500	9950
17	14200	12200	10800	32000	35200	40000	10700	e7460	6840	23900	12500	9310
18	14100	11900	10300	31300	39100	39100	6600	e7620	e6280	e20900	12700	8990
19	14000	12200	10100	31200	38600	36100	5750	9090	e5680	e18000	12600	8290
20	14100	12400	9660	31000	36200	33100	6200	9530	e5080	e15000	12300	7810
21	14100	12600	9560	33000	33200	30900	13400	10500	e4490	e10500	11700	7830
22	14200	12900	14300	39400	32000	29000	11000	10600	e3900	e6000	11100	e7340
23	14100	12300	18000	45200	35500	27800	e5960	12100	e3300	e5120	10600	e6860
24	14500	11600	29100	49500	35800	26300	e920	14300	e2700	e4240	10000	6370
25	15700	11500	37300	53800	34900	22800	e995	17200	e2110	e3360	10000	6010
26	16400	11300	37600	56600	35500	19200	e1070	25300	e2250	e2480	10300	6090
27	15400	11100	35000	59800	38500	16300	e1150	39300	e2390	e1600	10300	6190
28	17500	11000	31500	62400	39700	15500	e1220	43100	e2520	2020	10200	6290
29	17500	14200	28400	62000	---	13800	e4610	43700	e2660	7360	10200	6370
30	17500	18500	26000	57200	---	12300	e8010	47700	e2800	9520	10300	6400
31	17100	---	24100	52600	---	11400	---	48300	---	8650	9890	---
TOTAL	455700	413000	540620	1190600	969400	1040300	282485	501420	418410	258980	313300	257150
MEAN	14700	13770	17440	38410	34620	33560	9416	16170	13950	8354	10110	8572
MAX	17500	18500	37600	62400	48300	51800	14700	48300	46600	26300	12700	10300
MIN	13600	11000	9560	16500	23900	11400	920	7000	2110	1520	6860	6010
CFSM	1.10	1.03	1.31	2.88	2.59	2.51	.71	1.21	1.04	.63	.76	.64
IN.	1.27	1.15	1.51	3.32	2.70	2.90	.79	1.40	1.17	.72	.87	.72

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1998, BY WATER YEAR (WY)

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
MEAN	11510	12200	19450	31520	31610	22190	24820	16690	17700	13410	11250	10580
MAX	14700	14330	30020	38410	45070	33560	43620	29700	24420	21180	14730	13570
(WY)	1998	1997	1997	1998	1997	1998	1997	1997	1997	1997	1997	1997
MIN	8794	8488	10890	18190	15700	12200	9416	4202	13950	8354	8922	8572
(WY)	1996	1996	1996	1996	1996	1996	1998	1996	1998	1998	1996	1998

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1996 - 1998

ANNUAL TOTAL	8975820	6641365	
ANNUAL MEAN	24590	18200	18510
HIGHEST ANNUAL MEAN			25400
LOWEST ANNUAL MEAN			11950
HIGHEST DAILY MEAN	64600	Apr 17	64600
LOWEST DAILY MEAN	9560	Dec 21	-3750
ANNUAL SEVEN-DAY MINIMUM	10400	Dec 15	-2160
INSTANTANEOUS PEAK FLOW			66600
INSTANTANEOUS PEAK STAGE			91.81
ANNUAL RUNOFF (CFSM)	1.84		1.36
ANNUAL RUNOFF (INCHES)	25.00		18.50
10 PERCENT EXCEEDS	46300		39200
50 PERCENT EXCEEDS	20600		12900
90 PERCENT EXCEEDS	12800		5880

e Estimated

07288955 YAZOO RIVER BELOW STEELE BAYOU NEAR LONG LAKE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1995 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1996 to January 1998 (discontinued).

WATER TEMPERATURE: June 1996 to January 1998 (discontinued).

REMARKS.--Site affected by backwater from the Mississippi River. Little Sunflower River Drainage Structure WY98 closure dates: Oct. 1-Dec. 24, Jan. 5-7, 14-27, Feb. 2-May 27, June 3-Sep. 30 (furnished by U.S. Army Corps of Engineers). Steele Bayou Drainage Structure WY98 closure dates: Mar. 27-Apr. 13, 19-22, 24-May 26, June 13-14, 17-18, 19-July 11 (furnished by U.S. Army Corps of Engineers). Twice-daily measurements of specific conductance and water temperature collected by local observer. In water years 1961-62 and 1972-93, data were collected 8.5 mi upstream (station 07288800).

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 197 microsiemens, Aug. 18, 1997; minimum daily, 55 microsiemens, Jan. 14, Feb. 4, Sept. 28, 1997.

WATER TEMPERATURE: Maximum daily, 32.0°C on several days in water years 1996 and 1997; minimum daily, 3.5°C, Jan. 17, 18, 19, 20, 21, 1997.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 178 microsiemens, Dec. 24; minimum daily, 58 microsiemens, Oct. 19.

WATER TEMPERATURE: Maximum daily, 25.0°C, on several days in October; minimum daily, 7.0°C, Dec. 31.

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLE LOC- ATION, CROSS SECTION (FT FM R BK) (72103)	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)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN (70331)
OCT												
16...	1030	--	--	--	14000	98	6.5	22.0	--	7.2	618	89
16...	1100	1.00	--	315.0	--	101	6.5	22.0	--	7.2	--	--
16...	1103	14.9	--	315.0	--	102	6.6	22.0	--	7.1	--	--
16...	1104	1.00	--	245.0	--	101	6.5	22.0	--	7.2	--	--
16...	1105	16.3	--	245.0	--	102	6.5	22.0	--	7.1	--	--
16...	1106	1.00	--	175.0	--	96	6.5	22.0	--	7.3	--	--
16...	1107	17.2	17.2	175.0	--	99	6.5	22.0	--	7.1	--	--
16...	1108	1.00	--	105.0	--	92	6.4	22.0	--	7.2	--	--
16...	1109	17.2	--	105.0	--	93	6.5	22.0	--	7.1	--	--
16...	1115	1.00	--	35.0	--	92	6.4	22.0	--	7.2	--	--
16...	1116	17.0	--	35.0	--	92	6.4	22.0	--	7.1	--	--
29...	1030	--	--	--	17600	162	6.3	16.5	--	8.2	694	88
29...	1035	1.00	--	100.0	--	163	6.3	16.5	--	8.3	--	--
29...	1040	17.0	--	100.0	--	161	6.3	16.5	--	8.1	--	--
NOV												
13...	1000	--	--	--	13500	98	7.1	13.0	7.00	9.3	220	92
24...	1230	--	--	--	11900	90	6.8	10.5	13.0	10.4	163	92
DEC												
11...	1015	--	--	--	12600	112	6.8	10.0	8.50	10.0	167	96
11...	1016	1.00	--	40.0	--	116	6.7	10.0	--	10.1	--	--
11...	1017	1.00	--	100.0	--	116	6.9	10.0	--	10.1	--	--
11...	1020	1.00	--	180.0	--	95	7.0	10.0	--	9.9	--	--
22...	1015	--	--	--	15700	210	7.2	9.5	5.00	10.3	304	94
22...	1020	.50	--	100.0	--	209	7.1	9.5	--	10.8	--	--
22...	1022	17.1	--	100.0	--	206	7.2	9.5	--	10.4	--	--
22...	1026	.50	--	300.0	--	210	7.2	9.5	--	10.3	--	--
22...	1029	24.0	--	300.0	--	179	7.2	9.5	--	10.4	--	--
22...	1032	.50	--	450.0	--	148	7.3	9.0	--	10.8	--	--
JAN												
08...	1100	--	--	--	40700	87	7.0	12.5	--	8.9	674	91
13...	1010	.50	--	150.0	35800	88	7.2	11.5	--	8.5	--	--
13...	1020	.50	--	300.0	--	85	7.2	11.5	--	8.6	--	--
13...	1021	37.6	--	300.0	--	85	7.1	11.5	--	8.3	--	--
21...	1038	.50	200	--	--	70	7.1	8.5	--	9.4	--	--
21...	1039	17.0	200	--	--	70	7.1	8.5	--	9.1	--	--
21...	1040	.50	600	--	--	70	7.1	8.5	--	9.3	--	--
21...	1045	--	--	--	32900	70	7.1	8.5	--	9.1	138	99
21...	1046	45.0	600	--	--	72	7.1	8.5	--	9.0	--	--
21...	1052	.50	900	--	--	69	7.1	8.5	--	9.4	--	--
21...	1053	34.3	900	--	--	69	7.1	8.5	--	9.2	--	--
APR												
13...	1200	--	--	--	11800	92	6.5	20.0	7.00	8.0	88	96
MAY												
14...	1115	--	--	--	7000	92	6.3	23.5	--	3.9	132	96
JUN												
17...	1100	--	--	--	6870	--	7.1	28.5	--	7.5	128	96
JUL												
16...	1000	--	--	--	27100	247	7.0	30.5	--	2.5	90	96
AUG												
20...	1130	--	--	--	12900	216	7.0	30.0	16.0	4.6	132	100
24...	1000	--	--	--	11000	125	6.8	30.5	8.00	5.6	--	--
SEP												
17...	1100	--	--	--	9290	202	6.8	27.0	--	6.6	395	100

YAZOO RIVER BASIN

07288955 YAZOO RIVER BELOW STEELE BAYOU NEAR LONG LAKE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

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)	BICAR- BONATE WATER DIS IT FIELD HCO3 (00453)	ALKA- LINITY WAT DIS TOT IT FIELD AS CACO3 (39086)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)
OCT									
16...	1030	72	7.7	2.6	4.9	2.3	35	29	6.5
29...	1030	100	14	4.7	8.5	3.7	63	51	11
NOV									
13...	1000	40	7.8	2.5	5.3	2.9	35	28	7.6
24...	1230	12	7.5	2.6	5.2	2.4	38	31	7.3
DEC									
11...	1015	48	9.5	3.2	6.3	2.8	42	34	7.6
22...	1015	77	18	6.0	9.4	3.7	76	62	12
JAN									
08...	1100	210	8.0	2.6	4.1	3.2	36	29	5.5
21...	1045	95	6.1	2.2	3.9	3.1	28	23	5.3
APR									
13...	1200	--	7.8	2.8	4.9	2.1	37	30	7.3
MAY									
14...	1115	--	7.7	2.6	4.5	2.9	31	26	5.7
JUN									
17...	1100	--	12	4.1	6.2	2.9	--	--	7.7
JUL									
16...	1000	--	28	9.7	15	3.8	145	119	16
AUG									
20...	1130	--	21	7.0	9.1	3.0	87	71	11
SEP									
17...	1100	--	17	6.0	9.1	2.8	75	62	9.4

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)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)
OCT								
16...	4.4	.10	4.7	59	<.010	.172	.021	.51
29...	8.3	<.10	6.1	95	.020	.361	.044	1.2
NOV								
13...	4.8	<.10	4.2	71	.026	.217	<.020	.53
24...	4.6	<.10	3.6	62	<.010	.169	<.020	.50
DEC								
11...	5.4	.11	4.2	68	<.010	.161	.042	.69
22...	8.7	<.10	7.5	121	<.010	.444	.109	1.1
JAN								
08...	3.7	<.10	6.3	64	.022	.335	.085	1.4
21...	3.4	<.10	6.4	53	.015	.253	<.020	.77
APR								
13...	3.9	.11	6.5	64	.014	.374	.059	.59
MAY								
14...	3.8	<.10	6.6	62	<.010	1.02	.066	.76
JUN								
17...	4.5	.12	6.6	87	<.010	.812	.054	.67
JUL								
16...	10	.21	7.9	177	.107	.546	.129	.93
AUG								
20...	6.0	.12	8.0	151	.013	.329	.069	.58
SEP								
17...	5.7	.13	7.0	109	.013	.208	.039	.98

DATE	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C) (00689)
OCT								
16...	.22	.162	.021	.024	88	34	3.8	1.9
29...	.25	.411	.027	.032	20	46	4.6	2.5
NOV								
13...	.25	.126	.013	.040	53	4.9	6.2	.90
24...	.20	.131	.042	.038	41	6.8	3.9	.30
DEC								
11...	.31	.172	.025	.018	42	6.9	3.8	1.7
22...	.48	.303	.030	.031	15	47	4.3	1.8
JAN								
08...	.32	.417	.047	.050	64	23	5.8	4.4
21...	.37	.217	.038	.037	130	5.1	5.3	1.5
APR								
13...	.29	.171	.033	.036	49	6.6	4.4	--
MAY								
14...	.33	.234	.047	.062	130	14	--	--
JUN								
17...	.28	.204	.063	.060	18	12	4.4	--
JUL								
16...	.49	.136	.064	.070	<10	38	4.9	--
AUG								
20...	.24	.204	.062	.069	<10	12	--	--
SEP								
17...	.25	.381	.041	.045	<10	13	3.7	--

07288955 YAZOO RIVER BELOW STEELE BAYOU NEAR LONG LAKE, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	ACETO- CHLOR, WATER, FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	METO- LACHLOR WATER, DISSOLV (UG/L) (39415)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ALDI- CARB SULFONE WAT, FLT GF 0.7U REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT, FLT GF 0.7U REC (UG/L) (49314)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)
OCT 16...	<.0020	.008	.160	<.0100	<.0030	<.0070	<.0040	<.0160	<.0160	<.0210	<.0020
29...	<.0020	<.002	.088	<.0030	<.0030	<.0070	<.0040	<.0160	<.0160	<.0210	<.0020
NOV 13...	<.0020	.006	.106	<.0030	<.0030	<.0070	<.0040	<.550	<.100	<.0210	<.0020
24...	<.0020	.005	.098	<.0030	<.0030	<.0070	<.0040	<.550	<.100	<.0210	<.0020
DEC 11...	<.0020	<.002	.065	<.0300	<.0030	<.0070	<.0040	<.550	<.100	<.0210	<.0020
22...	<.0020	<.002	.057	<.0030	<.0030	<.0070	<.0040	<.550	<.100	<.0210	<.0020
JAN 08...	<.0020	<.002	.045	<.0030	<.0030	<.0070	<.0040	<.550	<.100	<.0210	<.0020
21...	<.0020	<.002	.035	<.0030	<.0030	<.0070	<.0040	<.550	<.100	<.0210	<.0020
APR 13...	.0125	.034	.504	<.0030	<.0030	<.0070	<.0040	--	--	--	<.0020
MAY 14...	.0613	.150	3.54	<.0030	<.0030	<.0070	<.0040	--	--	--	<.0020
JUN 17...	.0266	.018	1.69	<.0030	<.0030	<.0070	<.0040	--	--	--	<.0020
JUL 16...	<.0020	<.002	.434	<.0030	<.0030	<.0070	<.0040	--	--	--	<.0020
AUG 20...	<.0020	<.002	.205	<.0030	<.0030	<.0070	<.0040	--	--	--	<.0020
SEP 17...	<.0020	<.002	.109	<.0030	<.0030	<.0070	<.0040	--	--	--	<.0020
DATE	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CARBO- FURAN FLTRD 0.7 U GF, REC (UG/L) (82674)	3HYDRXY CARBO- FURAN WAT, FLT GF 0.7U REC (UG/L) (49308)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	METHIO- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH- OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	MOL- INATE FLTRD 0.7 U GF, REC (UG/L) (82671)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PEB- ULATE WATER FLTRD 0.7 U GF, REC (UG/L) (82669)
OCT 16...	<.0080	<.0030	<.0280	<.0030	<.0140	<.0020	<.0260	<.0170	<.0040	<.0180	<.0040
29...	<.0080	<.0030	<.0280	<.0030	<.0140	<.0020	<.0260	<.0170	<.0100	<.0180	<.0040
NOV 13...	<.0080	<.0030	<.120	<.0030	<.0140	<.0020	<.0260	<.0170	<.0040	<.0180	<.0040
24...	<.0080	<.0030	<.120	<.0030	<.0140	<.0020	<.0260	<.0170	<.0040	<.0180	<.0040
DEC 11...	<.0080	<.0030	<.120	<.0030	<.0140	<.0020	<.0260	<.0170	E.0029	<.0180	<.0040
22...	<.0080	<.0030	<.120	<.0030	<.0140	<.0020	<.0260	<.0170	.0066	<.0180	<.0040
JAN 08...	<.0080	<.0030	<.120	<.0030	<.0140	<.0020	<.0260	<.0170	<.0040	<.0180	<.0040
21...	<.0080	<.0030	<.120	<.0030	<.0140	<.0020	<.0260	<.0170	<.0040	<.0180	<.0040
APR 13...	--	<.0030	--	<.0030	--	<.0020	--	--	<.0040	--	<.0040
MAY 14...	--	<.0030	--	E.0769	--	<.0020	--	--	<.0040	--	<.0040
JUN 17...	--	<.0030	--	<.0030	--	<.0020	--	--	.682	--	<.0040
JUL 16...	--	<.0030	--	E.245	--	<.0020	--	--	2.84	--	<.0040
AUG 20...	--	<.0030	--	<.0030	--	<.0020	--	--	.190	--	<.0040
SEP 17...	--	<.0030	--	<.0030	--	<.0020	--	--	.0114	--	<.0040
DATE	PRO- PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PRO- POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	2,4-D, DIS- SOLVED (UG/L) (39732)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	SILVEX, DIS- SOLVED (UG/L) (39762)	2,4,5-T DIS- SOLVED (UG/L) (39742)
OCT 16...	<.0350	<.0350	<.0020	<.0010	<.035	<.0320	<.0350	<.0500	<.0350	<.0210	<.0350
29...	<.0350	<.0350	<.0020	<.0010	<.035	<.0320	<.0350	<.0500	<.0350	<.0210	<.0350
NOV 13...	<.0350	<.0350	<.0020	<.0010	<.150	<.0320	<.240	<.170	<.140	<.0210	<.0350
24...	<.0350	<.0350	<.0020	<.0010	<.150	<.0320	<.240	<.170	<.140	<.0210	<.0350
DEC 11...	<.0350	<.0350	<.0020	<.0010	<.150	<.0320	<.240	<.170	<.140	<.0210	<.0350
22...	<.0350	<.0350	<.0020	<.0010	<.150	<.0320	<.240	<.170	<.140	<.0210	<.0350
JAN 08...	<.0350	<.0350	<.0020	<.0010	<.150	<.0320	<.240	<.170	<.140	<.0210	<.0350
21...	<.0350	<.0350	<.0020	<.0010	<.150	<.0320	<.240	<.170	<.140	<.0210	<.0350
APR 13...	--	--	<.0020	<.0010	--	--	--	--	--	--	--
MAY 14...	--	--	.0383	<.0010	--	--	--	--	--	--	--
JUN 17...	--	--	.0476	<.0010	--	--	--	--	--	--	--
JUL 16...	--	--	.0241	<.0010	--	--	--	--	--	--	--
AUG 20...	--	--	<.0020	<.0010	--	--	--	--	--	--	--
SEP 17...	--	--	<.0020	<.0010	--	--	--	--	--	--	--

YAZOO RIVER BASIN

07288955 YAZOO RIVER BELOW STEELE BAYOU NEAR LONG LAKE, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	BEN-FLUR-ALIN, WAT FLD 0.7 U GF, REC (UG/L) (82673)	ETHAL-FLUR-ALIN, WAT FLT 0.7 U GF, REC (UG/L) (82663)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	PENDI-METH-ALIN, WAT FLT 0.7 U GF, REC (UG/L) (82683)	TRI-FLUR-ALIN, WAT FLT 0.7 U GF, REC (UG/L) (82661)	ALPHA-BHC DIS-SOLVED (UG/L) (34253)	CHLORO-THALO-NIL, WAT FLT 0.7U REC (UG/L) (49306)	DCPA WATER, FLTRD 0.7 U GF, REC (UG/L) (82682)	DACTHAL MONO-ACID, WAT FLT 0.7U REC (UG/L) (49304)	P, P' DDE DISSOLV (UG/L) (34653)
OCT 16...	<.0500	<.0020	<.0040	<.0190	<.0040	<.0020	<.0020	<.0350	<.0020	<.0170	<.0060
29...	<.0500	<.0020	<.0040	<.0190	<.0040	<.0020	<.0020	<.0350	<.0020	<.0170	<.0060
NOV 13...	<.250	<.0020	<.0040	<.310	<.0040	<.0020	<.0020	<.480	<.0020	<.0170	E.0027
24...	<.250	<.0020	<.0040	<.310	<.0040	<.0020	<.0020	<.480	<.0020	<.0170	<.0060
DEC 11...	<.250	<.0020	<.0040	<.310	<.0040	<.0020	<.0020	<.480	<.0020	<.0170	<.0060
22...	<.250	<.0020	<.0040	<.310	<.0040	<.0020	<.0020	<.480	<.0020	<.0170	<.0060
JAN 08...	<.250	<.0020	<.0040	<.310	<.0040	E.0020	<.0020	<.480	<.0020	<.0170	<.0060
21...	<.250	<.0020	<.0040	<.310	<.0040	<.0020	<.0020	<.480	<.0020	<.0170	<.0060
APR 13...	--	<.0020	<.0040	--	<.0040	E.0025	<.0020	--	<.0020	--	<.0060
MAY 14...	--	<.0020	<.0040	--	.0480	.0140	<.0020	--	<.0020	--	<.0060
JUN 17...	--	<.0020	<.0040	--	.0405	E.0036	<.0020	--	<.0020	--	<.0060
JUL 16...	--	<.0020	<.0040	--	<.0040	<.0020	<.0020	--	<.0020	--	<.0060
AUG 20...	--	<.0020	<.0040	--	<.0040	<.0020	<.0020	--	<.0020	--	<.0060
SEP 17...	--	<.0020	<.0040	--	<.0040	<.0020	<.0020	--	<.0020	--	<.0060
DATE	DICHLOR-BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	LINDANE SOLVED (UG/L) (39341)	METHYL-AZIN-PHOS, WAT FLT 0.7 U GF, REC (UG/L) (82686)	CHLOR-PYRIPIS DIS-SOLVED (UG/L) (38933)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DISUL-POTON WATER, FLTRD 0.7 U GF, REC (UG/L) (82677)	ETHO-PROP WATER, FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL-PARA-THION, WAT FLT 0.7 U GF, REC (UG/L) (82667)
OCT 16...	<.0200	<.001	<.004	<.0500	<.0040	<.002	<.0170	<.0030	<.0030	.033	<.0060
29...	<.0200	<.001	<.004	<.0700	<.0040	<.002	<.0170	<.0030	<.0030	.024	<.0060
NOV 13...	<.120	<.001	<.004	<.300	<.0040	<.002	<.0170	<.0030	<.0030	.020	<.0060
24...	<.120	<.001	<.004	<.900	<.0040	<.002	<.0170	<.0030	<.0030	.023	<.0060
DEC 11...	<.120	<.001	<.004	<.600	<.0040	<.002	<.0170	<.0030	<.0030	.008	<.0060
22...	<.120	<.001	<.004	<.300	<.0040	<.002	<.0170	<.0030	<.0030	<.010	<.0060
JAN 08...	<.120	<.001	<.004	<.400	<.0040	<.002	<.0170	<.0030	<.0030	<.005	<.0060
21...	<.120	<.001	<.004	<.300	<.0040	<.002	<.0170	<.0030	<.0030	<.010	<.0060
APR 13...	--	<.001	<.004	<.0010	<.0040	<.010	<.0170	<.0030	<.0030	.008	<.0060
MAY 14...	--	<.001	<.004	<.0010	<.0040	<.010	<.0170	<.0030	<.0030	<.005	<.0060
JUN 17...	--	<.001	<.004	<.0010	<.0040	<.002	<.0170	<.0030	<.0030	.053	<.0400
JUL 16...	--	<.001	<.004	<.0010	<.0040	<.002	<.0170	<.0030	<.0030	.022	.0386
AUG 20...	--	<.001	<.004	<.0010	<.0040	<.002	<.0170	<.0030	<.0030	.199	<.0060
SEP 17...	--	<.001	<.004	<.0010	<.0040	<.002	<.0170	<.0030	<.0030	.560	<.0060
DATE	PARA-THION, DIS-SOLVED (UG/L) (39542)	PHORATE WATER, FLTRD 0.7 U GF, REC (UG/L) (82664)	TER-BUFOS WATER, FLTRD 0.7 U GF, REC (UG/L) (82675)	PER-METHRIN CIS, WAT FLT 0.7 U GF, REC (UG/L) (82687)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	METRI-BUZIN SENCOR WATER DISSOLV REC (UG/L) (82630)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)
OCT 16...	<.004	<.0020	<.0130	<.0050	.247	E.0171	.0460	<.004	<.0180	.0208	<.0350
29...	<.004	<.0020	<.0130	<.0050	.154	E.0155	.0727	<.004	<.0180	.0429	<.0350
NOV 13...	<.004	<.0020	<.0130	<.0050	.224	E.0135	.0643	<.004	<.0180	.0320	<.0350
24...	<.004	<.0020	<.0130	<.0050	.164	E.0096	.0538	<.004	<.0180	.0289	<.0350
DEC 11...	<.004	<.0020	<.0130	<.0050	.096	E.0088	.0579	<.004	<.0180	.0333	<.0350
22...	<.004	<.0020	<.0130	<.0050	.061	E.0040	.0796	<.004	<.0180	.0367	<.0350
JAN 08...	<.004	<.0020	<.0130	<.0050	.028	E.0031	.0305	E.004	<.0180	.0445	<.0350
21...	<.004	<.0020	<.0130	<.0050	.023	E.0025	.0127	<.004	<.0180	.0607	<.0350
APR 13...	<.004	<.0020	<.0130	<.0050	1.06	E.0069	.0220	.017	<.0180	.0550	--
MAY 14...	<.004	<.0020	<.0130	<.0050	3.86	E.0993	.0558	.343	<.0180	.0427	--
JUN 17...	<.004	<.0020	<.0130	<.0050	2.14	E.136	.103	.197	<.0180	.0350	--
JUL 16...	<.004	<.0020	<.0130	<.0050	.542	E.0497	1.12	.022	<.0180	<.0050	--
AUG 20...	<.004	<.0020	<.0130	<.0050	.347	E.0230	.167	<.004	<.0180	<.0050	--
SEP 17...	<.004	<.0020	<.0130	<.0050	.335	E.0290	.0721	<.004	<.0180	.0136	--

07288955 YAZOO RIVER BELOW STEELE BAYOU NEAR LONG LAKE, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TER- BACIL WATER, FLTRD 0.7 U GF, REC (UG/L) (82665)	FEN- URON, WATER, FLTRD GF 0.7U REC (UG/L) (49297)	DIURON, WATER, FLTRD GF 0.7U REC (UG/L) (49300)	FLUO- METURON WATER, FLTRD GF 0.7U REC (UG/L) (38811)	LINURON WATER, FLTRD GF 0.7U REC (UG/L) (38478)	LIN- URON WATER 0.7 U GF, REC (UG/L) (82666)	NEB- URON, WATER, FLTRD GF 0.7U REC (UG/L) (49294)	TEBU- THIURON WATER 0.7 U GF, REC (UG/L) (82670)	ACIFL- UORFEN WATER, FLTRD GF 0.7U REC (UG/L) (49315)	BENTA- ZON, WATER, FLTRD GF 0.7U REC (UG/L) (38711)
OCT										
16...	<.0070	<.0130	.0400	E.350	<.0180	<.0020	<.0150	E.0099	<.0350	<.0140
29...	<.0070	<.0130	.270	E.300	<.0180	<.0020	<.0150	<.0100	<.0350	<.0140
NOV										
13...	<.0070	<.0130	.0800	.220	<.0180	<.0020	<.0150	<.0100	<.0350	<.0140
24...	<.0070	<.0130	.0800	.160	<.0180	<.0020	<.0150	.0118	<.0350	<.0140
DEC										
11...	<.0070	<.0130	.280	.0900	<.0180	<.0020	<.0150	<.0100	<.0350	E.0200
22...	<.0070	<.0130	.470	.110	<.0180	<.0020	<.0150	<.0100	<.0350	<.0140
JAN										
08...	<.0070	<.0130	.160	.100	<.0180	<.0020	<.0150	<.0100	<.0350	<.0140
21...	<.0070	<.0130	.0800	E.0300	<.0180	<.0020	<.0150	<.0100	<.0350	<.0140
APR										
13...	<.0070	--	--	--	--	<.0020	--	<.0100	--	--
MAY										
14...	<.0070	--	--	--	--	<.0020	--	<.0100	--	--
JUN										
17...	<.0070	--	--	--	--	<.0020	--	<.0100	--	--
JUL										
16...	<.0070	--	--	--	--	<.0020	--	<.0100	--	--
AUG										
20...	<.0070	--	--	--	--	<.0020	--	<.0100	--	--
SEP										
17...	<.0070	--	--	--	--	<.0020	--	<.0100	--	--
DATE	BRO- MOXNYL WATER, FLTRD GF 0.7U REC (UG/L) (49311)	CHLOR- AMBEN, WATER, FLTRD GF 0.7U REC (UG/L) (49307)	CLOPYR- ALID, WATER, FLTRD GF 0.7U REC (UG/L) (49305)	DICAMBA WATER, FLTRD GF 0.7U REC (UG/L) (38442)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DINOSB WATER, FLTRD GF 0.7U REC (UG/L) (49301)	DNOC WAT, FLT GF 0.7U REC (UG/L) (49299)	NORFLUR AZON, WATER, FLTRD GF 0.7U REC (UG/L) (49293)	PIC- LORAM, WATER, FLTRD GF 0.7U REC (UG/L) (49291)	PRO- PARGITE WATER 0.7 U GF, REC (UG/L) (82685)
OCT										
16...	<.0350	<.0110	<.0500	<.0350	<.0030	<.0350	<.0350	<.0240	<.0500	<.0130
29...	<.0350	<.0110	<.0500	<.0350	<.0030	<.0350	<.0350	<.0240	<.0500	<.0130
NOV										
13...	<.0350	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130
24...	<.0350	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130
DEC										
11...	<.0350	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130
22...	<.0350	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130
JAN										
08...	<.0350	<.420	<.230	<.0350	<.0030	<.0350	<.420	E.170	<.0500	<.0130
21...	<.0350	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130
APR										
13...	--	--	--	--	<.0030	--	--	--	--	<.0130
MAY										
14...	--	--	--	--	<.0030	--	--	--	--	<.0130
JUN										
17...	--	--	--	--	<.0030	--	--	--	--	<.0130
JUL										
16...	--	--	--	--	<.0030	--	--	--	--	<.0130
AUG										
20...	--	--	--	--	<.0030	--	--	--	--	<.0500
SEP										
17...	--	--	--	--	<.0030	--	--	--	--	<.0130

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
DAILY OBSERVATION AT 0600												
1	118	90	167	100	---	---	---	---	---	---	---	---
2	118	87	126	104	---	---	---	---	---	---	---	---
3	110	100	115	98	---	---	---	---	---	---	---	---
4	92	85	117	104	---	---	---	---	---	---	---	---
5	89	78	113	125	---	---	---	---	---	---	---	---
6	92	95	107	105	---	---	---	---	---	---	---	---
7	87	98	101	164	---	---	---	---	---	---	---	---
8	85	93	91	150	---	---	---	---	---	---	---	---
9	78	109	110	93	---	---	---	---	---	---	---	---
10	82	85	92	80	---	---	---	---	---	---	---	---
11	84	65	119	99	---	---	---	---	---	---	---	---
12	87	64	117	80	---	---	---	---	---	---	---	---
13	86	60	105	84	---	---	---	---	---	---	---	---
14	87	65	93	82	---	---	---	---	---	---	---	---
15	84	74	100	84	---	---	---	---	---	---	---	---
16	85	72	102	84	---	---	---	---	---	---	---	---
17	85	65	102	85	---	---	---	---	---	---	---	---
18	75	63	102	87	---	---	---	---	---	---	---	---
19	58	67	107	82	---	---	---	---	---	---	---	---
20	75	65	111	83	---	---	---	---	---	---	---	---
21	88	70	127	80	---	---	---	---	---	---	---	---
22	65	84	147	68	---	---	---	---	---	---	---	---
23	89	84	153	78	---	---	---	---	---	---	---	---
24	101	85	178	83	---	---	---	---	---	---	---	---
25	93	86	123	78	---	---	---	---	---	---	---	---
26	94	85	96	79	---	---	---	---	---	---	---	---
27	93	85	101	76	---	---	---	---	---	---	---	---
28	73	92	93	80	---	---	---	---	---	---	---	---
29	74	128	96	83	---	---	---	---	---	---	---	---
30	95	132	92	80	---	---	---	---	---	---	---	---
31	101	---	105	78	---	---	---	---	---	---	---	---

1	126	88	150	112	---	---	---	---	---	---	---
2	120	90	120	105	---	---	---	---	---	---	---
3	100	95	111	100	---	---	---	---	---	---	---
4	90	80	114	120	---	---	---	---	---	---	---
5	90	76	110	119	---	---	---	---	---	---	---
6	94	100	105	120	---	---	---	---	---	---	---
7	91	95	106	154	---	---	---	---	---	---	---
8	86	96	95	135	---	---	---	---	---	---	---
9	75	112	100	88	---	---	---	---	---	---	---
10	86	72	98	89	---	---	---	---	---	---	---
11	86	62	120	97	---	---	---	---	---	---	---
12	85	66	110	82	---	---	---	---	---	---	---
13	86	64	100	88	---	---	---	---	---	---	---
14	87	71	98	83	---	---	---	---	---	---	---
15	86	70	108	87	---	---	---	---	---	---	---
16	85	69	108	88	---	---	---	---	---	---	---
17	80	65	105	84	---	---	---	---	---	---	---
18	60	60	104	85	---	---	---	---	---	---	---
19	68	65	109	81	---	---	---	---	---	---	---
20	80	68	118	81	---	---	---	---	---	---	---
21	72	75	132	75	---	---	---	---	---	---	---
22	60	85	150	70	---	---	---	---	---	---	---
23	95	82	162	80	---	---	---	---	---	---	---
24	98	86	170	86	---	---	---	---	---	---	---
25	96	88	118	80	---	---	---	---	---	---	---
26	98	86	94	78	---	---	---	---	---	---	---
27	95	90	103	79	---	---	---	---	---	---	---
28	73	100	94	82	---	---	---	---	---	---	---
29	85	130	98	81	---	---	---	---	---	---	---
30	108	155	101	82	---	---	---	---	---	---	---
31	94	---	103	80	---	---	---	---	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
DAILY OBSERVATION AT 0600												
1	24.0	16.5	14.0	7.5	---	---	---	---	---	---	---	---
2	24.0	16.5	13.0	7.5	---	---	---	---	---	---	---	---
3	24.5	15.5	13.0	7.5	---	---	---	---	---	---	---	---
4	23.0	15.0	12.5	8.5	---	---	---	---	---	---	---	---
5	24.0	15.0	12.0	9.0	---	---	---	---	---	---	---	---
6	24.5	15.0	11.0	10.5	---	---	---	---	---	---	---	---
7	24.5	14.5	10.0	12.5	---	---	---	---	---	---	---	---
8	24.5	14.0	10.0	12.0	---	---	---	---	---	---	---	---
9	24.5	13.5	10.5	11.5	---	---	---	---	---	---	---	---
10	24.0	13.5	10.5	12.0	---	---	---	---	---	---	---	---
11	24.0	13.0	10.0	12.0	---	---	---	---	---	---	---	---
12	25.0	13.0	9.5	11.5	---	---	---	---	---	---	---	---
13	24.5	12.5	9.5	11.5	---	---	---	---	---	---	---	---
14	23.5	12.0	8.5	11.0	---	---	---	---	---	---	---	---
15	24.0	12.0	8.0	11.5	---	---	---	---	---	---	---	---
16	22.0	11.5	8.0	10.0	---	---	---	---	---	---	---	---
17	21.0	11.0	8.0	10.5	---	---	---	---	---	---	---	---
18	20.5	10.5	7.5	10.5	---	---	---	---	---	---	---	---
19	20.0	10.5	8.0	10.0	---	---	---	---	---	---	---	---
20	19.5	10.5	8.5	9.0	---	---	---	---	---	---	---	---
21	19.5	11.0	9.0	9.0	---	---	---	---	---	---	---	---
22	19.0	11.0	9.5	9.0	---	---	---	---	---	---	---	---
23	18.0	10.5	9.0	8.5	---	---	---	---	---	---	---	---
24	19.0	10.0	10.5	8.0	---	---	---	---	---	---	---	---
25	19.5	10.5	10.0	8.5	---	---	---	---	---	---	---	---
26	19.0	11.0	9.5	8.0	---	---	---	---	---	---	---	---
27	18.0	12.0	8.0	8.0	---	---	---	---	---	---	---	---
28	17.0	11.5	9.0	8.0	---	---	---	---	---	---	---	---
29	16.0	13.0	8.0	8.0	---	---	---	---	---	---	---	---
30	16.5	13.0	8.0	8.0	---	---	---	---	---	---	---	---
31	17.0	---	7.0	8.5	---	---	---	---	---	---	---	---

1	24.0	16.5	13.5	8.0	---	---	---	---	---	---	---
2	24.0	16.5	13.5	7.5	---	---	---	---	---	---	---
3	24.5	16.0	13.0	8.5	---	---	---	---	---	---	---
4	24.0	15.0	12.0	9.0	---	---	---	---	---	---	---
5	24.0	15.5	11.5	9.5	---	---	---	---	---	---	---
6	24.5	15.0	11.5	12.0	---	---	---	---	---	---	---
7	25.0	14.5	10.5	12.5	---	---	---	---	---	---	---
8	25.0	13.5	10.5	11.5	---	---	---	---	---	---	---
9	25.0	13.5	10.5	12.0	---	---	---	---	---	---	---
10	25.0	13.5	10.5	12.0	---	---	---	---	---	---	---
11	25.0	13.0	10.0	12.0	---	---	---	---	---	---	---
12	25.0	13.0	9.5	11.5	---	---	---	---	---	---	---
13	24.5	12.5	9.0	12.0	---	---	---	---	---	---	---
14	23.5	12.5	8.5	11.5	---	---	---	---	---	---	---
15	25.0	12.0	8.5	11.5	---	---	---	---	---	---	---
16	23.0	11.5	8.5	10.5	---	---	---	---	---	---	---
17	21.0	11.0	8.5	10.5	---	---	---	---	---	---	---
18	20.5	11.0	8.0	10.5	---	---	---	---	---	---	---
19	20.0	10.0	8.5	10.0	---	---	---	---	---	---	---
20	20.0	10.5	9.0	9.5	---	---	---	---	---	---	---
21	20.0	11.5	9.5	9.0	---	---	---	---	---	---	---
22	19.5	11.0	10.0	8.5	---	---	---	---	---	---	---
23	19.0	10.5	9.5	8.5	---	---	---	---	---	---	---
24	19.0	10.5	10.5	8.5	---	---	---	---	---	---	---
25	20.0	10.5	10.0	8.5	---	---	---	---	---	---	---
26	19.0	11.0	9.5	8.0	---	---	---	---	---	---	---
27	18.0	12.0	8.0	7.5	---	---	---	---	---	---	---
28	17.0	11.5	8.5	8.0	---	---	---	---	---	---	---
29	16.5	13.5	8.0	8.0	---	---	---	---	---	---	---
30	17.0	13.5	8.0	8.0	---	---	---	---	---	---	---
31	17.0	---	7.5	8.5	---	---	---	---	---	---	---

MISSISSIPPI RIVER MAIN STEM

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.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Discharge: January 1928 to current year. Prior to July 1931, monthly discharge only, published in WSP 1311.

Gage heights: April 1930 to 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).

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	462000	436000	748000	790000	789000	857000	1700000	943000	701000	881000	380000	371000
2	460000	456000	770000	773000	820000	900000	1680000	938000	757000	864000	378000	364000
3	453000	472000	788000	745000	850000	954000	1650000	927000	799000	846000	372000	354000
4	453000	493000	805000	728000	876000	1010000	1630000	922000	859000	827000	366000	346000
5	464000	506000	810000	712000	898000	1060000	1600000	922000	885000	804000	360000	336000
6	481000	507000	813000	687000	912000	1100000	1580000	922000	909000	763000	354000	320000
7	497000	500000	818000	676000	922000	1050000	1560000	922000	932000	751000	346000	300000
8	504000	492000	867000	673000	926000	1190000	1540000	941000	948000	727000	338000	299000
9	506000	490000	907000	670000	930000	1230000	1410000	948000	959000	688000	329000	294000
10	500000	506000	945000	667000	933000	1280000	1380000	953000	971000	628000	324000	291000
11	488000	530000	960000	664000	933000	1320000	1290000	952000	983000	578000	319000	287000
12	476000	559000	960000	661000	931000	1370000	1260000	945000	984000	552000	315000	279000
13	464000	614000	960000	658000	927000	1430000	1240000	915000	984000	525000	312000	269000
14	447000	663000	956000	656000	923000	1490000	1180000	897000	984000	525000	309000	264000
15	399000	685000	946000	645000	911000	1550000	1150000	846000	983000	495000	306000	264000
16	380000	695000	934000	629000	895000	1590000	1120000	828000	977000	472000	304000	265000
17	344000	704000	921000	608000	862000	1640000	1100000	808000	973000	459000	302000	260000
18	334000	710000	909000	569000	853000	1680000	1080000	795000	973000	444000	305000	267000
19	324000	707000	896000	553000	827000	1720000	1070000	755000	977000	428000	307000	267000
20	317000	704000	889000	546000	818000	1740000	1060000	738000	984000	418000	311000	269000
21	310000	695000	888000	539000	808000	1750000	1040000	680000	988000	409000	318000	268000
22	305000	684000	888000	533000	798000	1760000	1020000	663000	992000	396000	332000	263000
23	303000	678000	887000	533000	788000	1780000	1010000	709000	997000	386000	355000	257000
24	301000	672000	881000	533000	785000	1770000	998000	672000	1000000	383000	357000	255000
25	303000	666000	874000	546000	781000	1770000	989000	629000	1000000	382000	367000	259000
26	333000	660000	867000	559000	792000	1760000	980000	598000	998000	381000	400000	263000
27	354000	673000	859000	604000	801000	1760000	975000	584000	994000	380000	420000	268000
28	366000	655000	855000	623000	818000	1760000	969000	576000	986000	380000	438000	278000
29	379000	692000	852000	666000	---	1740000	961000	583000	975000	380000	438000	286000
30	393000	719000	828000	692000	---	1730000	945000	621000	943000	380000	391000	287000
31	415000	---	815000	752000	---	1710000	---	650000	---	380000	381000	---
TOTAL	12515000	18223000	27096000	19890000	24107000	45451000	37167000	24782000	28395000	16912000	10840000	8655000
MEAN	403700	607400	874100	641600	861000	1466000	1239000	799400	946500	545500	349700	288500
MAX	506000	719000	960000	790000	933000	1780000	1700000	953000	1000000	881000	438000	371000
MIN	301000	436000	748000	533000	781000	857000	945000	576000	701000	380000	302000	255000
CFSM	.35	.53	.77	.56	.75	1.29	1.09	.70	.83	.48	.31	.25
IN.	.41	.59	.88	.65	.79	1.48	1.21	.81	.93	.55	.35	.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 1997, BY WATER YEAR (WY)

	MEAN	314400	368600	527200	643800	756100	908200	986400	862100	682300	510200	364900	296200
MAX	900700	825000	1181000	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 1996 CALENDAR YEAR FOR 1997 WATER YEAR WATER YEARS 1932 - 1997

ANNUAL TOTAL	238627000	274033000	
ANNUAL MEAN	652000	750800	602500
HIGHEST ANNUAL MEAN			995100
LOWEST ANNUAL MEAN			301700
HIGHEST DAILY MEAN	1150000	May 27	2080000
LOWEST DAILY MEAN	289000	Sep 10	100000
ANNUAL SEVEN-DAY MINIMUM	291000	Sep 9	102000
INSTANTANEOUS PEAK FLOW			2080000
INSTANTANEOUS PEAK STAGE			53.20
INSTANTANEOUS LOW FLOW			99400
ANNUAL RUNOFF (CFSM)	.57	.66	.53
ANNUAL RUNOFF (INCHES)	7.78	8.94	7.18
10 PERCENT EXCEEDS	1030000	1210000	1130000
50 PERCENT EXCEEDS	609000	719000	504000
90 PERCENT EXCEEDS	362000	312000	220000

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	290000	268000	322000	385000	654000	875000	1160000	1290000	824000	944000	605000	331000
2	295000	266000	322000	401000	639000	875000	1160000	1300000	792000	944000	604000	324000
3	297000	268000	322000	417000	609000	875000	1160000	1320000	747000	944000	604000	315000
4	294000	273000	322000	429000	599000	874000	1140000	1330000	721000	943000	604000	310000
5	289000	275000	322000	449000	589000	871000	1130000	1340000	705000	936000	601000	305000
6	287000	280000	325000	464000	567000	868000	1130000	1340000	695000	929000	598000	300000
7	292000	288000	329000	479000	563000	864000	1120000	1350000	685000	922000	594000	290000
8	289000	291000	333000	535000	560000	857000	1120000	1350000	647000	915000	589000	281000
9	280000	305000	338000	640000	588000	854000	1110000	1350000	640000	907000	584000	276000
10	270000	313000	342000	714000	595000	853000	1100000	1350000	644000	898000	579000	271000
11	266000	312000	347000	787000	602000	853000	1100000	1350000	663000	889000	573000	264000
12	267000	315000	349000	860000	615000	853000	1100000	1350000	675000	879000	567000	258000
13	268000	334000	349000	933000	627000	857000	1100000	1350000	699000	869000	558000	253000
14	264000	339000	349000	1010000	677000	861000	1100000	1350000	718000	858000	547000	248000
15	262000	344000	349000	1040000	708000	865000	1100000	1350000	734000	848000	542000	242000
16	263000	349000	349000	1060000	743000	879000	1100000	1350000	745000	840000	543000	237000
17	263000	353000	357000	1060000	761000	909000	1100000	1340000	761000	831000	540000	248000
18	259000	351000	365000	1060000	776000	932000	1110000	1340000	793000	811000	533000	253000
19	254000	350000	373000	1060000	803000	953000	1110000	1300000	809000	774000	520000	248000
20	251000	348000	381000	1060000	829000	971000	1110000	1290000	825000	755000	504000	232000
21	251000	345000	389000	1060000	846000	989000	1120000	1260000	846000	739000	484000	224000
22	252000	341000	397000	1040000	852000	1010000	1140000	1200000	865000	726000	465000	217000
23	252000	338000	402000	1030000	856000	1030000	1150000	1170000	880000	701000	448000	221000
24	255000	334000	405000	1020000	859000	1050000	1150000	1130000	894000	683000	426000	236000
25	256000	332000	408000	985000	862000	1090000	1170000	1040000	904000	667000	410000	255000
26	260000	329000	411000	948000	872000	1110000	1200000	951000	914000	623000	400000	268000
27	265000	327000	420000	913000	875000	1130000	1210000	878000	925000	612000	387000	273000
28	265000	324000	427000	874000	875000	1150000	1220000	860000	933000	611000	370000	276000
29	268000	322000	433000	770000	---	1160000	1230000	843000	937000	610000	363000	271000
30	269000	322000	440000	721000	---	1160000	1240000	835000	942000	608000	350000	266000
31	268000	---	385000	700000	---	1160000	---	829000	---	607000	340000	---
TOTAL	8361000	9536000	11362000	24904000	20001000	29638000	34190000	37686000	23562000	24823000	15832000	79930000
MEAN	26970	31790	36650	80340	71430	95610	114400	121650	78540	80070	51070	26640
MAX	297000	353000	440000	1060000	875000	1160000	1240000	1350000	942000	944000	605000	331000
MIN	251000	266000	322000	385000	560000	853000	1100000	829000	640000	607000	340000	217000
CFSM	.24	.28	.32	.70	.63	.84	1.00	1.07	.69	.70	.45	.23
IN.	.27	.31	.37	.81	.65	.97	1.12	1.23	.77	.81	.52	.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1932 - 1998, BY WATER YEAR (WY)

MEAN	313800	367800	524800	646200	755500	909000	988800	867500	683900	514500	367100	295700
MAX	900700	825000	1181000	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 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1932 - 1998
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ANNUAL TOTAL	245458000		247888000				
ANNUAL MEAN	672500		679100			603700	
HIGHEST ANNUAL MEAN						995100	1973
LOWEST ANNUAL MEAN						301700	1954
HIGHEST DAILY MEAN	1780000	Mar 23	1350000	May 7		2080000	Feb 17 1937
LOWEST DAILY MEAN	251000	Oct 20	217000	Sep 22		100000	Nov 1 1939
ANNUAL SEVEN-DAY MINIMUM	253000	Oct 19	233000	Sep 18		102000	Aug 28 1936
INSTANTANEOUS PEAK FLOW						2080000	Feb 17 1937
INSTANTANEOUS PEAK STAGE						53.20	Feb 21 1937
INSTANTANEOUS LOW FLOW						99400	Nov 1 1939
ANNUAL RUNOFF (CFSM)	.59		.60			.53	
ANNUAL RUNOFF (INCHES)	8.01		8.09			7.19	
10 PERCENT EXCEEDS	1210000		1150000			1130000	
50 PERCENT EXCEEDS	576000		647000			506000	
90 PERCENT EXCEEDS	269000		268000			221000	

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.10	16.40	30.70	32.80	27.20	33.10	48.10	36.80	25.10	37.30	16.50	16.20
2	18.00	17.70	31.60	32.10	28.30	34.50	47.80	36.40	26.00	36.80	16.60	15.60
3	17.50	18.70	32.30	31.40	29.40	36.10	47.50	36.20	27.40	36.00	16.60	14.70
4	17.50	19.90	33.00	30.50	30.40	37.40	47.30	36.00	28.70	35.10	16.40	14.30
5	18.20	20.60	33.20	29.80	31.40	38.60	46.90	35.80	30.20	34.30	16.40	13.80
6	19.20	20.70	33.30	29.20	32.50	39.60	46.70	35.60	31.60	33.40	16.40	13.30
7	20.10	20.30	33.50	28.60	33.30	40.60	46.40	35.40	32.80	32.60	16.00	12.70
8	20.50	19.80	33.90	28.20	34.00	41.50	46.10	35.40	33.50	31.60	15.30	11.90
9	20.60	19.70	34.50	27.90	34.40	42.00	45.80	35.30	34.30	30.50	14.50	11.60
10	20.30	20.60	35.10	27.60	34.50	42.70	45.40	35.40	35.30	29.30	14.00	11.40
11	19.60	22.00	35.40	27.30	34.70	43.40	44.80	35.60	36.00	28.30	13.80	11.10
12	18.90	23.30	35.70	26.80	34.70	44.00	44.30	35.70	36.50	27.40	13.60	10.60
13	18.20	24.00	36.00	26.30	34.90	44.80	43.70	35.60	36.80	26.40	13.40	9.90
14	17.10	24.30	36.30	25.90	35.20	45.50	43.00	35.60	37.00	25.30	13.00	9.40
15	15.70	24.70	36.20	25.10	35.40	46.20	42.40	35.20	37.10	24.00	12.90	9.40
16	14.20	25.30	36.20	24.90	35.20	46.80	41.80	34.80	37.10	23.00	12.80	9.50
17	13.20	26.10	36.10	24.50	34.90	47.40	41.00	34.00	37.00	22.00	12.80	9.50
18	12.30	27.00	35.50	24.20	34.60	47.90	40.40	33.20	37.00	21.10	12.90	9.70
19	11.10	27.60	35.00	23.70	33.90	48.40	39.80	32.30	37.20	20.30	13.10	9.70
20	10.10	28.00	34.40	23.20	33.30	48.70	39.20	31.50	37.30	19.60	13.20	10.00
21	9.30	28.10	33.90	22.60	32.50	48.80	38.80	31.50	37.40	19.10	13.50	9.80
22	9.10	27.80	33.60	22.00	31.80	49.10	38.60	29.40	37.50	18.50	13.80	9.70
23	8.90	27.00	33.60	21.30	31.00	49.10	38.40	28.20	37.60	18.00	14.40	9.50
24	9.30	26.10	33.70	21.00	30.70	49.10	38.20	26.70	37.60	17.50	14.90	9.20
25	10.10	25.40	33.90	21.40	30.80	49.10	37.80	25.30	37.70	17.30	15.70	9.20
26	10.60	25.00	34.20	21.70	30.90	49.10	37.50	24.20	37.80	17.10	16.90	9.40
27	10.90	25.60	34.50	22.40	31.30	48.90	37.40	23.90	37.80	16.60	17.80	9.60
28	11.70	27.20	34.60	23.50	31.90	48.90	37.50	23.60	37.80	16.30	18.30	9.80
29	12.60	28.60	34.40	24.50	---	48.70	37.30	23.80	37.80	16.40	18.30	10.00
30	13.50	29.60	33.90	25.30	---	48.50	37.10	24.20	37.60	16.50	17.80	10.00
31	15.00	---	33.40	26.20	---	48.20	---	24.60	---	16.40	16.90	---
TOTAL	461.40	717.10	1061.60	801.90	913.10	1386.70	1267.00	987.20	1050.50	764.00	468.50	330.50
MEAN	14.88	23.90	34.25	25.87	32.61	44.73	42.23	31.85	35.02	24.65	15.11	11.02
MAX	20.60	29.60	36.30	32.80	35.40	49.10	48.10	36.80	37.80	37.30	18.30	16.20
MIN	8.90	16.40	30.70	21.00	27.20	33.10	37.10	23.60	25.10	16.30	12.80	9.20

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.20	9.80	10.40	16.40	28.70	33.90	38.60	40.90	33.20	35.80	22.20	13.40
2	11.70	9.60	11.10	16.80	27.70	33.90	38.90	41.30	32.90	35.90	22.00	13.00
3	11.80	9.80	11.70	17.50	26.90	34.00	39.10	41.70	32.50	36.00	21.60	12.60
4	11.60	10.20	11.70	18.00	25.90	33.80	39.30	42.10	31.90	36.00	21.90	11.90
5	11.30	10.30	11.20	18.60	25.10	33.60	39.40	42.40	31.00	36.00	22.90	11.40
6	11.20	10.70	11.40	19.40	24.40	33.50	39.40	42.70	29.80	36.00	23.70	11.20
7	11.50	11.30	11.80	20.20	23.90	33.40	39.20	42.90	28.30	35.70	24.10	11.00
8	11.30	12.00	12.20	22.20	23.40	33.70	38.90	43.00	27.10	35.60	24.00	10.70
9	10.70	12.40	12.60	23.70	23.10	33.70	38.60	43.10	26.20	35.50	23.70	10.40
10	10.00	12.50	12.90	24.50	22.70	33.40	38.30	43.20	25.70	35.40	23.00	10.00
11	9.60	12.50	13.70	25.20	22.90	33.10	38.10	43.30	25.90	35.30	22.60	9.40
12	9.70	12.60	14.60	25.90	23.60	32.90	37.80	43.40	26.80	35.20	22.50	8.80
13	9.80	13.10	15.20	27.80	24.70	32.80	37.70	43.50	28.00	35.30	22.50	8.30
14	9.40	13.10	15.20	30.30	26.10	32.60	37.60	43.60	28.60	35.30	22.50	7.90
15	9.20	13.10	14.80	32.30	27.30	32.70	37.50	43.50	28.90	35.00	22.50	7.50
16	9.30	12.90	14.50	34.00	28.30	32.90	37.40	43.50	29.20	34.60	22.50	7.20
17	9.30	13.10	14.20	35.30	28.90	33.40	37.40	43.50	29.50	33.90	22.40	7.90
18	8.90	13.40	13.80	36.30	29.60	34.20	37.50	43.40	29.80	33.10	22.10	8.30
19	8.30	13.60	13.70	36.90	30.40	34.80	37.70	43.20	30.40	32.20	21.70	7.60
20	8.10	13.60	13.70	37.40	31.30	35.40	37.70	43.10	31.10	31.40	21.10	6.80
21	8.10	13.40	13.80	37.00	32.10	35.90	37.70	42.90	31.80	30.80	20.50	6.30
22	8.20	12.90	13.80	37.30	32.80	36.20	37.70	42.70	32.50	30.20	19.80	5.80
23	8.20	12.50	13.90	37.40	33.60	36.30	38.00	42.40	33.10	29.40	18.60	6.10
24	8.50	12.30	14.30	37.30	33.80	36.40	38.10	42.00	33.70	28.50	17.80	7.10
25	8.60	12.10	15.20	36.80	33.90	36.50	38.20	41.20	34.30	27.50	17.20	8.50
26	9.20	11.80	15.60	35.90	33.70	36.60	38.60	40.10	34.60	26.10	16.90	9.80
27	9.50	11.50	16.00	34.90	33.80	36.80	39.00	38.80	35.00	25.10	16.50	10.20
28	9.50	11.20	16.40	33.80	33.90	37.20	39.50	37.20	35.20	24.40	16.00	10.40
29	9.80	10.70	16.70	32.40	---	37.50	40.00	35.60	35.40	23.80	15.30	10.10
30	9.90	10.30	16.70	31.10	---	38.00	40.50	34.60	35.50	23.30	14.70	9.60
31	9.80	---	16.40	29.90	---	38.30	---	33.70	---	22.70	14.00	---
TOTAL	303.20	358.30	429.20	902.50	792.50	1077.40	1153.40	1288.50	927.90	991.00	638.80	279.20
MEAN	9.78	11.94	13.85	29.11	28.30	34.75	38.45	41.56	30.93	31.97	20.61	9.31
MAX	11.80	13.60	16.70	37.40	33.90	38.30	40.50	43.60	35.50	36.00	24.10	13.40
MIN	8.10	9.60	10.40	16.40	22.70	32.60	37.40	33.70	25.70	22.70	14.00	5.80

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)
Mar. 10	2400	12,200	19.69	May 30	1630	*12,700	*19.81

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	152	276	817	1150	892	2450	934	1710	4600	73	83	73
2	117	319	882	719	1150	2000	1010	1610	4130	75	79	78
3	97	346	693	559	1320	1450	1040	1340	3630	71	75	77
4	84	332	601	480	1240	963	832	723	2040	69	70	72
5	77	270	540	512	1180	882	656	436	722	67	65	68
6	73	225	527	858	1010	1450	553	333	1090	70	62	67
7	71	205	431	1740	796	1870	470	289	1150	74	73	66
8	69	198	342	2640	660	5250	424	271	1250	71	252	66
9	68	196	323	3400	583	10400	443	263	948	72	678	65
10	68	194	619	4030	554	11200	451	386	539	70	781	64
11	66	185	855	6370	2050	11500	420	390	345	98	506	64
12	63	179	957	5760	3000	8080	360	470	260	252	234	72
13	66	178	877	4310	3050	4770	316	361	216	981	155	86
14	142	186	583	3200	3870	3040	292	271	188	1080	317	82
15	211	193	409	2110	5180	1530	282	220	170	1200	1090	77
16	214	196	330	1680	4640	929	278	197	167	1010	1210	73
17	168	193	287	1630	5690	2420	272	184	169	937	1070	69
18	120	185	266	1620	6240	3850	288	171	159	794	1050	67
19	95	177	243	1750	6450	3570	1040	159	138	471	678	66
20	81	172	229	1720	7720	3260	1280	148	124	270	338	66
21	77	174	261	1480	6120	3420	1360	141	116	184	209	66
22	73	191	677	1870	4230	2910	1410	136	111	143	158	66
23	71	210	794	2560	3820	2300	984	131	104	130	130	66
24	254	215	2250	2380	3530	1630	633	125	98	124	113	65
25	634	216	3750	2140	2780	1020	485	121	96	118	102	65
26	781	201	4310	2190	2850	786	401	119	87	120	94	65
27	924	187	4630	2390	3460	681	348	118	82	125	91	65
28	845	179	6110	2290	3260	614	452	115	78	122	85	64
29	640	392	4610	1730	---	557	767	2040	75	106	80	64
30	380	758	3370	1440	---	513	1100	9080	72	98	78	63
31	275	---	2280	1120	---	509	---	8370	---	89	77	---
TOTAL	7056	7128	43853	67828	87325	95804	19581	30428	22954	9164	10083	2067
MEAN	228	238	1415	2188	3119	3090	653	982	765	296	325	68.9
MAX	924	758	6110	6370	7720	11500	1410	9080	4600	1200	1210	86
MIN	63	172	229	480	554	509	272	115	72	67	62	63
CFSM	.22	.23	1.38	2.13	3.04	3.01	.64	.96	.75	.29	.32	.07
IN.	.26	.26	1.59	2.46	3.16	3.47	.71	1.10	.83	.33	.37	.07

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1998, BY WATER YEAR (WY)

	MEAN	357	859	2191	3145	2823	3349	2853	1830	910	439	230	241
MAX	2890	5739	11820	7339	6199	8406	8664	9714	5187	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 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1971 - 1998

ANNUAL TOTAL	698044		403271		1597	
ANNUAL MEAN	1912		1105		3821	1983
HIGHEST ANNUAL MEAN					423	1986
LOWEST ANNUAL MEAN					62400	May 21 1983
HIGHEST DAILY MEAN	24000	Mar 3	11500	Mar 11		
LOWEST DAILY MEAN	63	Oct 12	62	Aug 6	14	Oct 6 1987
ANNUAL SEVEN-DAY MINIMUM	67	Oct 7	64	Sep 24	14	Oct 8 1987
INSTANTANEOUS PEAK FLOW			12700	May 30	71200	May 21 1983
INSTANTANEOUS PEAK STAGE			19.81	May 30	26.08	May 21 1983
INSTANTANEOUS LOW FLOW			60	Aug 7	13	Oct 14 1987
ANNUAL RUNOFF (CFSM)	1.86		1.08		1.56	
ANNUAL RUNOFF (INCHES)	25.28		14.61		21.13	
10 PERCENT EXCEEDS	4760		3380		4000	
50 PERCENT EXCEEDS	701		346		403	
90 PERCENT EXCEEDS	122		71		68	

BIG BLACK RIVER BASIN

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07289730 BIG BLACK RIVER NR BENTONIA, MS

LOCATION.--Lat 32°36'12", long 90°21'45", NW1/4 sec. 25, T.9 N., R.2 W., Choctaw Meridian, Madison County, Hydrologic Unit 08060202, on downstream side of U.S. Highway 49 bridge, 2.5 mi south of Benton, and at mile 106.

DRAINAGE AREA.--2,340 mi².

PERIOD OF RECORD.--Stage, Oct. 4, 1947 to date. Measured discharge, June 1946 to date. USGS has maintained since Jan. 30, 1996, to current year in cooperation with the U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is 130.18 ft above sea level.

REMARKS.--Estimated daily discharge: Dec. 25, 26, 28 and May 30, 31. Records good except for estimated daily discharges, which are poor. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 1983 reached a stage of 32.48 ft, discharge 86,000 ft³/s. Peak stage of 34.70 ft on May 23, 1930, 3.1 mi upstream at Ragan Station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	631	969	5750	7430	4210	9090	1310	1050	5600	263	413	323
2	524	2150	5040	6240	7500	7800	1300	1350	5370	255	387	301
3	417	2330	2680	4340	8290	6190	1560	1900	5320	264	366	292
4	342	1610	2000	2410	8080	4310	1640	2160	5430	281	346	280
5	293	991	1850	4300	7260	3120	1620	1980	5520	288	330	277
6	259	777	1610	5070	5130	3080	1500	1540	5930	324	322	271
7	234	697	1330	9010	3090	7080	1290	1060	3850	281	353	264
8	216	630	1180	9880	2350	12800	1130	804	2630	250	657	257
9	202	569	1100	9920	1940	14800	1020	685	2110	258	398	250
10	191	527	1030	9780	1830	16100	925	619	1800	288	398	244
11	183	485	961	9890	5220	17400	862	573	1590	271	557	240
12	177	461	1020	10300	6770	15500	842	564	1210	266	784	353
13	180	448	1290	9900	7280	12700	814	622	881	454	866	327
14	192	437	1390	8940	7450	11000	783	630	708	1270	730	279
15	192	424	1420	8240	7560	9870	732	655	630	3250	615	251
16	209	425	1300	8190	7730	9330	689	598	824	3640	571	246
17	235	421	1190	7780	9510	12700	674	520	743	3310	715	221
18	267	412	1150	7160	9800	14300	701	469	730	2730	1250	199
19	282	402	1070	5590	9770	12400	1130	435	572	1710	1300	184
20	280	401	940	3740	9820	11300	1480	408	497	1330	1220	175
21	260	701	1350	3810	10000	11200	2050	385	446	1100	1110	169
22	234	1440	2240	9800	10100	10600	2030	368	407	868	863	168
23	221	1680	3930	11300	10500	8990	1920	352	377	699	658	163
24	1550	1340	10700	11800	10200	6350	1920	340	354	593	531	159
25	1850	851	e12200	12800	9930	4490	1730	329	335	605	454	157
26	2130	662	e11900	13300	10100	3370	1340	318	320	998	403	154
27	2350	575	11700	12200	10600	2390	1040	309	307	939	367	150
28	2260	536	e11500	10500	10100	1860	971	305	296	779	342	149
29	1730	2220	12300	8700	---	1600	861	1100	285	593	323	146
30	1300	4820	11000	7080	---	1440	868	e4000	274	491	311	147
31	1110	---	9300	5060	---	1350	---	e6400	---	448	316	---
TOTAL	20501	30391	133421	254460	212120	264510	36732	32828	55346	29096	18256	6796
MEAN	661	1013	4304	8208	7576	8533	1224	1059	1845	939	589	227
MAX	2350	4820	12300	13300	10600	17400	2050	6400	5930	3640	1300	353
MIN	177	401	940	2410	1830	1350	674	305	274	250	311	146
CFSM	.28	.43	1.84	3.51	3.24	3.65	.52	.45	.79	.40	.25	.10
IN.	.33	.48	2.12	4.05	3.37	4.21	.58	.52	.88	.46	.29	.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1998, BY WATER YEAR (WY)

	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
MEAN	463	760	3342	6594	7411	6831	3186	2972	3887	992	680	354
MAX	661	1013	4304	8208	10210	9501	5298	5577	8282	1357	903	510
(WY)	1998	1998	1998	1998	1997	1997	1996	1997	1997	1997	1997	1996
MIN	303	495	1910	5433	4551	2458	1224	1059	1534	679	548	227
(WY)	1997	1997	1997	1996	1996	1996	1998	1998	1996	1996	1996	1998

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1996 - 1998

	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
ANNUAL TOTAL	1547243	1094457	3103	3963	2350	26100	146	152	86000	34.70	145
ANNUAL MEAN	4239	2999	3103	3963	2350	26100	146	152	86000	34.70	145
HIGHEST ANNUAL MEAN			3103	3963	2350	26100	146	152	86000	34.70	145
LOWEST ANNUAL MEAN			3103	3963	2350	26100	146	152	86000	34.70	145
HIGHEST DAILY MEAN	26100	Mar 8	17400	Mar 11	146	Sep 29	152	Sep 24	86000	May 23 1983	34.70
LOWEST DAILY MEAN	177	Oct 12	146	Sep 29	152	Sep 24	86000	May 23 1983	34.70	May 23 1930	145
ANNUAL SEVEN-DAY MINIMUM	188	Oct 9	152	Sep 24	86000	May 23 1983	34.70	May 23 1930	145	Sep 29 1998	145
INSTANTANEOUS PEAK FLOW			17600	Mar 11	26.12	Mar 11	145	Sep 29	1.28	17.40	18.02
INSTANTANEOUS PEAK STAGE			26.12	Mar 11	145	Sep 29	1.28	17.40	18.02		
INSTANTANEOUS LOW FLOW			145	Sep 29	1.28	17.40	18.02				
ANNUAL RUNOFF (CFSM)	1.81		1.28								
ANNUAL RUNOFF (INCHES)	24.60		17.40								
10 PERCENT EXCEEDS	11700		9910								
50 PERCENT EXCEEDS	1770		1050								
90 PERCENT EXCEEDS	318		259								

e Estimated

07290650 BAYOU PIERRE NEAR WILLOWS, MS

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

DRAINAGE AREA.--654 mi².

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

PERIOD OF RECORD.--Water years 1959-61 (annual maximums), June 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 82.32 ft above sea level. Sept. 9, 1958, to May 31, 1961, crest-stage gage at same site and datum.

REMARKS.--Estimated daily discharges: Mar. 7-19, May 2-13 and Jul. 2-5. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 24	1315	*37,300	*24.57	Jan. 22	2330	35,000	24.30
Jan. 7	1900	34,800	24.24				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	87	565	498	1110	1130	1610	462	80	64	90	70
2	50	131	238	434	3330	854	1590	e360	75	e500	81	91
3	47	133	184	394	2310	724	809	e300	70	e300	128	66
4	45	89	225	375	1360	652	686	e260	68	e200	85	57
5	44	73	194	4710	1000	615	580	e240	86	e150	70	52
6	44	68	153	2810	855	609	479	e280	1420	129	64	48
7	44	67	118	28400	778	e2500	428	e240	538	113	372	47
8	44	63	217	13800	734	e12000	400	e220	260	98	452	50
9	41	61	274	3590	689	e7400	378	e200	174	89	143	49
10	40	61	222	1580	1070	e3800	362	e180	137	83	106	43
11	39	62	179	1080	8370	e1900	343	e170	119	208	88	45
12	37	78	135	5030	3230	e960	328	e160	109	1020	489	177
13	55	222	110	3810	1580	e860	333	e155	103	1290	145	564
14	105	199	104	1850	996	e1100	344	143	98	1330	118	392
15	74	155	122	3880	920	e1300	343	140	93	429	342	176
16	61	119	120	3380	4830	e1050	330	137	93	291	1240	125
17	58	96	122	1830	6930	e900	323	133	96	189	225	103
18	49	83	116	1040	3190	e840	2470	125	90	147	141	90
19	45	89	104	863	1620	e1100	8260	118	86	126	108	83
20	44	95	94	750	1070	2030	3490	112	83	115	95	80
21	44	94	556	1370	843	1600	1350	107	78	133	88	78
22	60	121	1580	27100	3570	1130	747	104	75	153	81	78
23	64	122	6120	15200	5360	927	569	100	91	164	75	73
24	573	115	30900	3910	2340	806	457	98	73	121	73	71
25	866	127	7110	1880	1250	733	389	96	70	1130	70	71
26	1650	162	2290	1440	1800	673	359	94	71	1120	66	67
27	521	111	1320	2610	3860	622	353	90	72	403	62	64
28	274	95	1420	2380	2110	584	457	86	71	216	59	62
29	166	1380	896	1430	---	546	1030	88	71	155	57	60
30	118	1260	762	1130	---	512	668	104	67	124	57	58
31	96	---	622	985	---	487	---	87	---	105	61	---
TOTAL	5450	5618	57172	139539	67105	50944	30265	5189	4617	10695	5331	3090
MEAN	176	187	1844	4501	2397	1643	1009	167	154	345	172	103
MAX	1650	1380	30900	28400	8370	12000	8260	462	1420	1330	1240	564
MIN	37	61	94	375	689	487	323	86	67	64	57	43
CFSM	.27	.29	2.82	6.88	3.66	2.51	1.54	.26	.24	.53	.26	.16
IN.	.31	.32	3.25	7.94	3.82	2.90	1.72	.30	.26	.61	.30	.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 1998, BY WATER YEAR (WY)

	MEAN	264	506	1205	1662	1683	1787	1822	1046	440	291	253	149
MAX	1885	2241	5324	6064	4833	5992	6776	3960	1524	1637	1755	565	
(WY)	1965	1987	1983	1990	1979	1980	1983	1978	1975	1989	1992	1974	
MIN	26.4	53.1	149	158	210	239	133	60.1	58.0	74.6	37.9	51.7	
(WY)	1964	1970	1966	1981	1986	1967	1963	1963	1988	1962	1969	1984	

SUMMARY STATISTICS FOR 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1961 - 1998

	ANNUAL TOTAL	388260	385015	920
ANNUAL MEAN	1064	1055	2099	1983
HIGHEST ANNUAL MEAN			318	1963
LOWEST ANNUAL MEAN			72900	Apr 7 1983
HIGHEST DAILY MEAN	30900	Dec 24	37	Aug 17 1969
LOWEST DAILY MEAN	37	Oct 12	41	Sep 30 1969
ANNUAL SEVEN-DAY MINIMUM	41	Oct 6	37300	Apr 7 1983
INSTANTANEOUS PEAK FLOW			24.57	Apr 7 1983
INSTANTANEOUS PEAK STAGE			1.61	
ANNUAL RUNOFF (CFSM)	1.63		21.90	
ANNUAL RUNOFF (INCHES)	22.08		19.12	
10 PERCENT EXCEEDS	1790		1860	
50 PERCENT EXCEEDS	344		207	
90 PERCENT EXCEEDS	62		59	

e Estimated

HOMOCHITTO RIVER BASIN

07291000 HOMOCHITTO RIVER AT EDDICETON, MS

LOCATION.--Lat 31°30'10", long 90°46'35", in SE1/4 NE1/4 sec.11, T.6 N., R.4 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, on left bank at upstream side of Illinois Central and Gulf Railroad bridge, 900 ft downstream from bridge on U.S. Highway 84, 0.4 mi upstream from McCall Creek, and 0.8 mi east of Eddiceton.

DRAINAGE AREA.--181 mi².

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

REVISED RECORDS.--WSP 1281: 1939-40, 1942-44, 1949-50. WDR MS-89-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 212.22 ft above sea level. Prior to May 18, 1984, at datum 5.0 ft higher. Prior to May 26, 1942, nonrecording gage at site 900 ft upstream.

REMARKS.--Estimated daily discharges: July 12. 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 9,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 23	2000*	14,500	15.33	Mar. 8	0030	11,200	13.84
Jan. 7	0400	*22,300	*18.15	Mar. 17	0315	11,000	13.74
Jan. 22	0845	13,400	15.71				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	80	106	49	288	274	800	273	60	60	54	63
2	34	62	85	42	598	223	346	238	57	133	54	52
3	33	53	102	41	417	188	340	205	57	92	60	49
4	34	49	138	41	307	168	232	189	58	141	55	47
5	35	48	86	2270	266	160	184	151	66	73	53	47
6	35	48	74	2770	245	206	160	136	147	62	54	47
7	36	48	71	11700	232	3100	147	126	81	65	98	48
8	36	48	192	1790	223	3990	137	120	67	58	82	48
9	35	48	127	745	214	718	123	111	66	54	58	46
10	35	48	103	463	364	442	114	107	64	68	54	47
11	35	48	85	342	2490	332	103	106	62	488	54	71
12	35	64	76	2720	493	287	100	97	63	e572	94	217
13	39	87	73	807	364	263	98	93	63	118	66	145
14	88	69	72	496	296	239	107	89	61	543	78	86
15	60	62	74	1070	411	218	104	90	60	204	65	67
16	52	59	71	793	2770	420	95	86	64	105	59	61
17	52	54	70	464	2010	4760	96	83	64	85	59	55
18	50	56	68	377	583	784	2020	78	61	73	55	57
19	50	66	67	346	437	571	2040	75	60	68	54	57
20	50	65	66	317	367	566	569	73	59	63	54	56
21	50	80	899	306	311	386	384	71	58	116	53	55
22	52	93	515	6320	1930	294	332	69	56	97	52	61
23	52	76	4570	1230	857	242	270	68	54	71	53	58
24	99	71	6290	699	420	210	238	68	55	76	55	51
25	81	70	726	509	317	185	222	66	63	72	52	49
26	105	71	324	575	760	167	207	65	78	121	51	48
27	77	71	734	1290	758	160	202	62	63	76	49	48
28	64	72	213	577	376	150	542	63	61	62	48	48
29	60	710	104	409	---	140	370	71	60	59	48	47
30	58	210	85	344	---	137	294	65	57	57	48	47
31	61	---	61	294	---	521	---	61	---	56	60	---
TOTAL	1620	2686	16327	40196	19104	20501	10976	3255	1945	3988	1829	1878
MEAN	52.3	89.5	527	1297	682	661	366	105	64.8	129	59.0	62.6
MAX	105	710	6290	11700	2770	4760	2040	273	147	572	98	217
MIN	33	48	61	41	214	137	95	61	54	54	48	46
CFSM	.29	.49	2.91	7.16	3.77	3.65	2.02	.58	.36	.71	.33	.35
IN.	.33	.55	3.36	8.26	3.93	4.21	2.26	.67	.40	.82	.38	.39

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 1998, BY WATER YEAR (WY)

	MEAN	MAX	MIN	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)	(WY)
MEAN	94.4	152	323	437	504	527	481	287	138	139	98.7	75.5	
MAX	765	742	1428	1398	1169	1400	1981	1818	534	1036	557	302	
(WY)	1965	1958	1983	1990	1979	1961	1974	1953	1975	1989	1992	1965	
MIN	31.4	37.5	62.6	54.2	70.8	100	64.4	49.9	42.3	37.5	35.3	33.3	
(WY)	1953	1939	1944	1957	1954	1955	1963	1963	1972	1944	1954	1956	

SUMMARY STATISTICS

	FOR 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1939 - 1998
ANNUAL TOTAL	115855	124305	
ANNUAL MEAN	317	341	270
HIGHEST ANNUAL MEAN			587
LOWEST ANNUAL MEAN			92.8
HIGHEST DAILY MEAN	13400	11700	34600
LOWEST DAILY MEAN	33	33	11
ANNUAL SEVEN-DAY MINIMUM	35	35	13
INSTANTANEOUS PEAK FLOW		22300	55400
INSTANTANEOUS PEAK STAGE		18.15	24.53
ANNUAL RUNOFF (CFSM)	1.75	1.88	1.49
ANNUAL RUNOFF (INCHES)	23.81	25.55	20.29
10 PERCENT EXCEEDS	490	579	444
50 PERCENT EXCEEDS	87	80	84
90 PERCENT EXCEEDS	48	48	44

e Estimated

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: Jun. 9-16. 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)
Dec. 23	2300	34,100	16.47	Mar. 8	0345	31,600	16.11
Jan. 7	0630	*69,000	*20.41	Mar. 17	0630	39,700	17.23
Jan. 22	1230	40,800	17.37				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	232	448	876	452	885	1420	4210	1070	360	314	326	496
2	228	427	630	390	1530	1180	1630	1030	347	524	324	426
3	222	327	655	353	1440	1050	1490	884	349	470	344	285
4	233	294	844	355	1000	982	1240	920	353	540	347	245
5	237	298	646	8410	796	959	1000	799	365	469	304	232
6	239	308	520	7650	704	962	931	712	724	359	304	229
7	244	294	477	44000	632	5130	918	688	755	329	406	237
8	244	291	1240	7420	576	16700	918	644	466	430	655	285
9	239	299	1140	3200	540	3960	892	583	e380	437	426	239
10	236	318	755	2000	709	2070	830	549	e350	307	311	220
11	236	333	609	1470	8020	1500	796	523	e360	988	307	306
12	228	405	514	6810	2350	1240	779	492	e340	1850	333	1180
13	274	744	486	3990	1380	1110	771	462	e320	961	379	1770
14	535	543	487	1930	1080	1040	809	442	e340	826	448	843
15	421	406	501	2700	1280	982	840	461	e350	3200	436	501
16	302	376	490	3470	9370	1090	783	472	e330	1200	382	373
17	271	360	474	1720	7360	19900	722	467	323	586	375	325
18	261	349	470	1330	3060	4340	2360	448	316	429	385	304
19	259	417	464	1230	1820	2440	8280	424	311	370	412	326
20	268	439	463	1140	1440	1980	2510	408	304	387	354	335
21	281	827	1990	1060	1160	1550	1370	387	300	616	366	322
22	305	1070	3130	19300	6470	1240	1090	376	299	671	312	373
23	325	583	6770	5140	5040	1100	969	372	300	481	300	416
24	650	433	22500	2460	2280	1010	896	380	302	437	298	333
25	859	388	3890	1550	1580	937	826	380	297	436	293	293
26	1010	385	1740	1590	1810	886	780	372	280	568	277	279
27	991	387	3330	4500	5050	853	752	354	314	603	254	277
28	486	391	1880	2340	2070	827	2490	352	287	451	237	280
29	396	3230	1080	1410	---	789	2300	428	262	372	232	271
30	353	2030	787	1130	---	762	1450	423	248	361	240	255
31	369	---	584	970	---	1190	---	387	---	336	272	---
TOTAL	11434	17400	60422	141470	71432	81179	45632	16689	10632	20308	10639	12256
MEAN	369	580	1949	4564	2551	2619	1521	538	354	655	343	409
MAX	1010	3230	22500	44000	9370	19900	8280	1070	755	3200	655	1770
MIN	222	291	463	353	540	762	722	352	248	307	232	220
CFSM	.47	.74	2.48	5.80	3.24	3.33	1.93	.68	.45	.83	.44	.52
IN.	.54	.82	2.86	6.69	3.38	3.84	2.16	.79	.50	.96	.50	.58

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 1998, BY WATER YEAR (WY)

	MEAN	718	1380	1832	2048	1963	2011	1295	735	629	488	457
MAX	3855	3010	5344	6205	5210	6206	8806	7650	3184	3753	1716	1273
(WY)	1955	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 1997 CALENDAR YEAR FOR 1998 WATER YEAR WATER YEARS 1952 - 1998

ANNUAL TOTAL	571413	499493	
ANNUAL MEAN	1566	1368	
HIGHEST ANNUAL MEAN			1173
LOWEST ANNUAL MEAN			2342
HIGHEST DAILY MEAN	41700	Apr 27	118000
LOWEST DAILY MEAN	220	Sep 20	129
ANNUAL SEVEN-DAY MINIMUM	229	Sep 17	234
INSTANTANEOUS PEAK FLOW			69000
INSTANTANEOUS PEAK STAGE			20.41
ANNUAL RUNOFF (CFSM)	1.99		1.74
ANNUAL RUNOFF (INCHES)	27.01		23.61
10 PERCENT EXCEEDS	2920		2450
50 PERCENT EXCEEDS	650		496
90 PERCENT EXCEEDS	277		280

e Estimated

BUFFALO RIVER BASIN

07295000 BUFFALO RIVER NEAR WOODVILLE, MS

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.

DRAINAGE AREA.--180 mi².

PERIOD OF RECORD.--March 1942 to current year. Prior to October 1950, published as Buffalo Bayou near Woodville.

REVISED RECORDS.--WSP 1281: 1943, 1946(M). WDR MS-89-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 94.52 ft above sea level. Prior to June 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1964, at datum 3.00 ft higher.

REMARKS.--Estimated daily discharges: Oct. 5-21. Records good except for estimated discharges, which are poor. 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. 7	0215	*29,500	*18.38	Mar. 17	0215	11,300	13.71
Jan. 22	0815	19,000	16.12				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	70	140	200	205	249	641	435	71	79	48	57
2	37	61	116	188	227	203	379	311	69	465	46	53
3	36	58	229	179	193	175	373	248	68	93	46	50
4	37	56	210	200	150	160	227	214	67	77	44	49
5	e38	56	114	5550	128	147	193	187	71	65	44	48
6	e40	56	98	6460	115	140	181	172	256	59	51	49
7	e42	56	98	10700	102	2330	170	167	104	56	85	50
8	e39	56	1040	1430	90	2420	161	150	81	53	52	50
9	e80	56	262	734	80	519	152	135	75	51	46	47
10	e41	59	195	499	615	324	137	126	70	47	47	47
11	e44	59	151	397	1950	258	129	118	66	351	48	89
12	e43	76	130	3060	287	225	124	111	65	94	46	630
13	e50	87	118	866	182	209	122	107	64	71	51	131
14	e42	67	113	539	138	197	131	104	62	116	82	111
15	e42	60	111	1200	1260	187	122	106	60	275	55	89
16	e39	58	103	578	3450	559	117	102	58	272	52	69
17	e45	55	100	371	1940	4160	117	99	57	98	54	63
18	e120	57	97	306	529	862	1330	94	56	80	57	63
19	e50	93	94	267	346	480	1770	91	55	72	50	84
20	e42	72	92	234	363	375	343	89	54	70	48	63
21	e43	1610	973	217	241	305	232	86	53	73	48	61
22	42	441	382	6790	3720	270	202	85	53	76	48	75
23	42	141	2700	1120	1110	248	180	84	54	73	127	69
24	279	106	4440	623	459	228	167	84	56	69	202	58
25	83	88	756	431	317	213	154	82	58	61	60	56
26	734	81	487	1350	1560	200	148	79	62	64	54	55
27	109	81	1300	1590	952	192	145	77	67	66	51	55
28	72	80	446	490	347	184	3900	76	60	58	49	56
29	67	1570	322	343	---	173	2510	117	57	60	48	52
30	63	235	257	278	---	167	922	81	55	52	55	51
31	65	---	223	229	---	1240	---	75	---	50	70	---
TOTAL	2543	5701	15897	47419	21056	17599	15479	4092	2104	3246	1864	2480
MEAN	82.0	190	513	1530	752	568	516	132	70.1	105	60.1	82.7
MAX	734	1610	4440	10700	3720	4160	3900	435	256	465	202	630
MIN	36	55	92	179	80	140	117	75	53	47	44	47
CFSM	.46	1.06	2.85	8.50	4.18	3.15	2.87	.73	.39	.58	.33	.46
IN.	.53	1.18	3.29	9.80	4.35	3.64	3.20	.85	.43	.67	.39	.54

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 1998, BY WATER YEAR (WY)

MEAN	122	181	354	479	537	564	466	281	168	153	97.9	120
MAX	1169	1008	1771	2402	1605	2074	1539	1928	991	1110	429	697
(WY)	1986	1949	1772	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 1997 CALENDAR YEAR	FOR 1998 WATER YEAR	WATER YEARS 1942 - 1998
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ANNUAL TOTAL	143698		139480				
ANNUAL MEAN	394		382			293	
HIGHEST ANNUAL MEAN						552	1983
LOWEST ANNUAL MEAN						79.9	1954
HIGHEST DAILY MEAN	17000	Apr 27	10700	Jan 7	30700		Mar 25 1973
LOWEST DAILY MEAN	36	Oct 3	36	Oct 3	9.0		Oct 26 1993
ANNUAL SEVEN-DAY MINIMUM	37	Sep 29	38	Oct 1	18		Sep 24 1956
INSTANTANEOUS PEAK FLOW			29500	Jan 7	65000		Mar 25 1973
INSTANTANEOUS PEAK STAGE			18.38	Jan 7	22.30		Mar 25 1973
ANNUAL RUNOFF (CFSM)	2.19		2.12		1.63		
ANNUAL RUNOFF (INCHES)	29.70		28.83		22.13		
10 PERCENT EXCEEDS	594		798		487		
50 PERCENT EXCEEDS	111		100		88		
90 PERCENT EXCEEDS	49		49		36		

e Estimated

MISSISSIPPI RIVER DELTA

189

07375280 TANGIPAHOA RIVER AT OSYKA, MS

LOCATION.--31°00'43", long 90°27'20", in NW1/4 sec.36, T.1 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, County code 113, at State Highway 584 bridge at Osyka, Ms, about 1/2 mi north northeast of Osyka, MS, and about 1/2 mi upstream of the Louisiana-Mississippi State Line.

DRAINAGE AREA.--157.9 mi².

PERIOD OF RECORD.--Occasional discharge measurements, water years 1976-91. October 1996 to current water year.

GAGE.--Water-stage recorder. Datum of gage is 215.00 ft above sea level.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	102	131	311	e210	225	546	185	310	124	95	105	212
2	101	128	214	e190	229	316	215	235	114	114	104	151
3	97	118	176	e180	227	252	251	195	109	127	107	119
4	95	112	169	e170	205	222	222	172	107	126	109	106
5	95	112	153	e160	190	205	192	157	106	117	105	102
6	96	113	145	898	182	197	169	147	140	108	103	100
7	95	115	138	7690	176	384	158	147	129	108	110	101
8	95	112	288	5970	171	2140	153	141	113	110	128	100
9	93	112	327	2120	168	1340	149	138	108	102	107	99
10	93	113	262	520	174	630	142	131	106	100	104	98
11	92	115	208	348	671	317	138	128	105	340	109	120
12	90	170	176	1270	429	251	134	125	102	246	148	490
13	99	209	159	1420	312	217	132	123	102	163	167	650
14	110	152	148	869	241	200	135	121	103	139	164	332
15	108	133	141	465	220	190	136	120	100	173	164	196
16	91	125	137	373	602	185	134	120	99	362	136	150
17	89	121	134	309	1450	1280	148	121	97	386	124	131
18	88	119	133	268	902	975	331	119	97	200	115	121
19	90	130	130	241	464	563	306	116	96	146	111	119
20	92	131	130	218	309	320	280	114	97	130	110	117
21	95	203	448	205	254	250	218	112	96	127	109	115
22	102	802	674	1530	582	214	176	112	93	114	108	132
23	105	427	988	2440	780	194	157	111	93	112	106	131
24	114	230	3010	1390	547	180	146	111	95	113	105	123
25	137	173	1530	443	330	172	139	111	94	112	103	113
26	458	150	863	342	540	166	136	110	93	169	102	107
27	331	140	805	636	2270	163	134	109	96	136	101	105
28	194	137	488	551	1410	159	609	109	97	121	99	116
29	144	560	343	386	---	157	875	262	96	114	98	120
30	127	502	265	300	---	154	498	196	94	110	98	102
31	125	---	222	251	---	153	---	144	---	106	108	---
TOTAL	3843	5895	13315	32363	14260	12692	6798	4467	3101	4726	3567	4778
MEAN	124	197	430	1044	509	409	227	144	103	152	115	159
MAX	458	802	3010	7690	2270	2140	875	310	140	386	167	650
MIN	88	112	130	160	168	153	132	109	93	95	98	98
MED	97	131	214	386	311	217	158	123	100	121	108	119

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 1998, BY WATER YEAR (WY)

	1996	1997	1998	1996	1997	1998	1996	1997	1998	1996	1997	1998
MEAN	111	147	276	690	674	364	791	165	228	155	83.1	135
MAX	124	197	430	1044	839	409	1355	185	353	157	126	159
(WY)	1996	1998	1998	1998	1997	1998	1997	1997	1997	1997	1997	1998
MIN	98.7	98.1	123	337	509	319	227	144	103	152	7.90	111
(WY)	1997	1997	1997	1997	1998	1997	1998	1998	1998	1998	1996	1997

SUMMARY STATISTICS

FOR 1997 CALENDAR YEAR

FOR 1998 WATER YEAR

WATER YEARS 1996 - 1998

ANNUAL TOTAL	135948	109805	319
ANNUAL MEAN	372	301	336
HIGHEST ANNUAL MEAN			301
LOWEST ANNUAL MEAN			1998
HIGHEST DAILY MEAN	23300	Apr 28	23300
LOWEST DAILY MEAN	88	Oct 18	7.7
ANNUAL SEVEN-DAY MINIMUM	92	Oct 16	7.8
INSTANTANEOUS PEAK FLOW			11600
INSTANTANEOUS PEAK STAGE			16.54
INSTANTANEOUS LOW FLOW			85
10 PERCENT EXCEEDS	560	555	466
50 PERCENT EXCEEDS	149	140	131
90 PERCENT EXCEEDS	104	99	8.1

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 USGS collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low- or flood-flow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better area coverage to these events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at flood hydrograph partial-record stations are presented in the following table. 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 table generally comprises a description of the station and a table showing time, gage height, and discharge at selected times for major peaks that occurred during the year.

The description of the station gives the location, drainage area, period of record, type and history of gages, extremes of discharge, and general remarks. The explanation of data presented is identical to that for gaging stations.

Flood hydrograph partial-record stations

MOBILE RIVER BASIN

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 good. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,070 ft³/s, Jan. 9, gage height, 18.15 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1998 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-07	0015	15.47	755	02-15	2145	15.12	661	03-05	0215	15.37	806
01-07	0500	15.53	788	02-16	0300	15.19	697	03-05	0800	15.74	1,010
01-07	0800	15.65	845	02-16	0600	15.35	766	03-05	1300	16.15	1,280
01-07	1200	16.26	1,220	02-16	0900	15.59	885	03-05	1800	16.41	1,480
01-07	1600	16.64	1,510	02-16	1200	15.83	1,030	03-05	2400	16.58	1,660
01-07	2000	16.89	1,790	02-16	1500	16.08	1,190	03-06	0300	16.67	1,770
01-07	2200	17.02	1,960	02-16	1700	16.23	1,300	03-06	0700	16.76	1,890
01-08	0015	17.21	2,230	02-16	1900	16.36	1,400	03-06	1200	16.99	2,200
01-08	0200	17.33	2,430	02-16	2100	16.46	1,480	03-07	0200	17.39	2,870
01-08	0400	17.41	2,560	02-16	2400	16.60	1,620	03-07	0700	17.46	3,010
01-08	0600	17.44	2,610	02-17	0300	16.74	1,780	03-07	1200	17.53	3,150
01-08	0800	17.46	2,640	02-17	0500	16.90	1,990	03-07	1700	17.64	3,370
01-08	1000	17.46	2,650	02-17	0700	17.03	2,180	03-07	2400	17.78	3,710
01-08	1200	17.48	2,680	02-17	1100	17.18	2,410	03-08	0230	17.80	3,750
01-08	1400	17.53	2,760	02-17	1300	17.25	2,520	03-08	0245	17.80	3,740
01-08	1600	17.62	2,940	02-17	1500	17.34	2,670	03-08	0300	17.80	3,750
01-08	1800	17.76	3,200	02-17	1700	17.42	2,830	03-08	0400	17.80	3,750
01-08	2000	17.90	3,510	02-17	2200	17.51	2,990	03-08	0500	17.80	3,750
01-08	2200	18.03	3,810	02-18	0200	17.51	2,980	03-08	0600	17.80	3,750
01-08	2400	18.12	3,990	02-18	0800	17.52	3,020	03-08	0700	17.80	3,750
01-09	0045	18.14	4,030	02-18	1100	17.54	3,050	03-08	0730	17.80	3,750
01-09	0130	18.15	4,060	02-18	1300	17.56	3,080	03-08	0815	17.80	3,740
01-09	0145	18.15	4,050	02-18	1500	17.57	3,120	03-08	0830	17.80	3,740
01-09	0200	18.15	4,070	02-18	1700	17.59	3,150	03-08	0915	17.80	3,750
01-09	0215	18.15	4,060	02-18	1900	17.61	3,180	03-08	0930	17.80	3,740
01-09	0230	18.15	4,060	02-18	2100	17.62	3,220	03-08	1000	17.80	3,740
01-09	0245	18.15	4,060	02-18	2300	17.63	3,240	03-08	1030	17.80	3,740
01-09	0345	18.14	4,040	02-18	2315	17.63	3,240	03-08	1200	17.79	3,730
01-09	0500	18.11	3,970	02-18	2330	17.63	3,250	03-08	1400	17.76	3,680
01-09	0600	18.09	3,910	02-18	2345	17.63	3,250	03-08	1700	17.71	3,550
01-09	0700	18.06	3,860	02-18	2400	17.63	3,250	03-08	1900	17.67	3,470
01-09	0800	18.02	3,790	02-19	0015	17.63	3,250	03-08	2300	17.64	3,390
01-09	1000	17.95	3,630	02-19	0030	17.63	3,250	03-09	0300	17.64	3,400
01-09	1200	17.89	3,470	02-19	0045	17.63	3,240	03-09	1000	17.69	3,510
01-09	1400	17.82	3,340	02-19	0100	17.63	3,250	03-09	1100	17.70	3,520
01-09	1600	17.76	3,210	02-19	0115	17.63	3,240	03-09	1700	17.71	3,550
01-09	1800	17.71	3,120	02-19	0130	17.63	3,240	03-09	1900	17.70	3,530
01-09	2000	17.66	3,010	02-19	0145	17.63	3,240	03-09	2100	17.69	3,510
01-09	2200	17.61	2,910	02-19	0200	17.63	3,240	03-10	0400	17.60	3,310
01-09	2400	17.56	2,830	02-19	0500	17.60	3,200	03-10	0800	17.51	3,140
01-10	0015	17.55	2,830	02-19	1100	17.50	2,980	03-10	1100	17.44	2,990
01-10	0700	17.37	2,510	02-19	1400	17.41	2,810	03-10	1400	17.35	2,830
01-10	1200	17.22	2,260	02-19	1700	17.30	2,620	03-10	1600	17.29	2,710
01-10	1800	16.99	1,940	02-19	2000	17.18	2,420	03-10	1900	17.19	2,560
01-10	2100	16.87	1,780	02-19	2300	17.05	2,220	03-10	2200	17.08	2,380
01-11	0015	16.73	1,610	02-20	0100	16.96	2,090	03-10	2400	17.01	2,260
01-11	0500	16.52	1,420	02-20	0500	16.77	1,830	03-11	0100	16.97	2,200
01-11	0745	16.40	1,330	02-20	1200	16.50	1,530	03-11	0300	16.89	2,090
01-11	1800	16.14	1,140	02-20	1700	16.36	1,400	03-11	0800	16.70	1,830
01-11	2400	16.07	1,100	02-20	2300	16.21	1,290	03-11	1300	16.54	1,640
				02-21	0500	16.08	1,190	03-11	1700	16.42	1,510
				02-21	1000	15.99	1,130	03-11	1900	16.36	1,470
				02-21	2000	15.83	1,040	03-11	2400	16.24	1,370
				02-21	2400	15.77	1,000	03-12	0300	16.18	1,320
								03-12	0900	16.07	1,240
								03-12	1500	15.99	1,180
								03-12	2100	15.90	1,120
								03-13	0500	15.80	1,060
								03-13	0800	15.77	1,040
								03-13	1100	15.74	1,020
								03-13	1800	15.69	999
								03-13	2400	15.65	972

Flood hydrograph partial-record stations

MOBILE RIVER BASIN--Continued

02437000 TOMBIGBEE RIVER NEAR AMORY, MS

LOCATION.--Lat 34°00'54", long 88°33'03", in NW $\frac{1}{4}$ NE $\frac{1}{4}$ 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.--Maximum discharge, 31,300 ft³/s, Feb. 17, gage height, 24.03 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1998 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-06	0400	15.30	7,130	02-16	0600	12.93	3,590	03-06	0400	19.12	15,300
01-06	0800	14.79	6,280	02-16	1200	17.81	12,100	03-06	0800	18.29	13,200
01-06	1200	14.26	5,450	02-16	1800	20.13	17,900	03-06	1200	17.40	11,200
01-06	1600	13.88	4,890	02-16	2400	19.70	16,800	03-06	1600	16.84	10,000
01-06	2000	13.60	4,490	02-17	0200	18.82	14,500	03-06	2000	16.69	9,740
01-06	2400	13.48	4,330	02-17	0400	18.76	14,400	03-06	2400	17.01	10,400
01-07	0400	13.38	4,190	02-17	0600	19.38	15,900	03-07	0200	18.53	13,800
01-07	0800	13.56	4,440	02-17	0800	19.68	16,700	03-07	0400	18.85	14,600
01-07	1200	15.81	8,040	02-17	1000	21.27	21,100	03-07	0600	20.84	19,800
01-07	1400	18.54	13,800	02-17	1200	21.42	21,600	03-07	0800	21.05	20,400
01-07	1600	18.82	14,500	02-17	1400	22.76	26,300	03-07	1000	22.15	24,100
01-07	1800	20.19	18,000	02-17	1600	22.92	26,900	03-07	1200	22.31	24,700
01-07	2000	20.29	18,300	02-17	1800	23.73	30,100	03-07	1300	22.72	26,200
01-07	2200	20.82	19,700	02-17	2000	23.77	30,300	03-07	1400	22.71	26,100
01-07	2400	20.90	20,000	02-17	2100	24.03	31,300	03-07	1500	22.73	26,200
01-08	0100	21.09	20,500	02-17	2200	24.03	31,300	03-07	1600	22.75	26,300
01-08	0200	21.10	20,600	02-17	2300	24.02	31,300	03-07	1700	22.65	25,900
01-08	0300	21.10	20,600	02-17	2400	24.03	31,300	03-07	1800	22.61	25,800
01-08	0400	21.12	20,600	02-18	0200	23.83	30,500	03-07	1900	22.58	25,700
01-08	0500	21.25	21,100	02-18	0400	23.77	30,300	03-07	2000	22.54	25,500
01-08	0600	21.24	21,000	02-18	0600	23.18	27,900	03-07	2200	22.08	23,900
01-08	0700	21.27	21,100	02-18	0800	23.06	27,400	03-07	2400	21.99	23,600
01-08	0800	21.27	21,100	02-18	1000	17.69	11,900	03-08	0400	21.07	20,500
01-08	0900	21.26	21,100	02-18	1200	17.68	11,800	03-08	0800	20.23	18,100
01-08	1000	21.24	21,000	02-18	1600	17.61	11,700	03-08	1200	19.55	16,400
01-08	1100	21.23	21,000	02-18	2000	17.59	11,600	03-08	1600	18.85	14,600
01-08	1200	21.23	21,000	02-18	2400	17.57	11,600	03-08	2000	18.42	13,500
01-08	1400	20.79	19,700	02-19	0600	17.66	11,800	03-08	2400	18.05	12,700
01-08	1600	20.69	19,400	02-19	1200	17.67	11,800	03-09	0400	17.79	12,000
01-08	1800	19.78	17,000	02-19	1800	17.15	10,700	03-09	0800	17.57	11,600
01-08	2000	19.64	16,600	02-19	2400	16.69	9,740	03-09	1200	17.42	11,200
01-08	2200	18.71	14,300					03-09	1600	17.29	10,900
01-08	2400	18.63	14,100					03-09	2000	17.26	10,900
01-09	0400	18.23	13,100					03-09	2400	17.25	10,800
01-09	0800	17.83	12,200								
01-09	1200	17.25	10,900								
01-09	1600	16.82	10,000								
01-09	2000	16.53	9,420								
01-09	2400	16.58	9,520								
01-10	0400	16.82	10,000								
01-10	0800	17.06	10,500								
01-10	1200	17.03	10,400								
01-10	1600	16.73	9,820								
01-10	2000	16.54	9,440								
01-10	2400	16.55	9,460								

Flood hydrograph partial-record stations

MOBILE RIVER BASIN--Continued

02441000 TIBBEE CREEK NEAR TIBBEE, MS

LOCATION.--Lat 33°32'17", long 88°38'00", in SW¼ sec.4, T.19 N., R.16 E., Choctaw Meridian, Clay County, Hydrologic Unit 03160104, on right bank 10 ft downstream from bridge on old State Highway 25, 560 ft upstream from Illinois Central and Gulf Railroad bridge, 0.7 mi north of Tibbee, 4.5 mi upstream from Magee Creek, 5.0 mi south of West Point, 9.8 mi upstream from Catalpa Creek, and 17.7 mi upstream from mouth.

DRAINAGE AREA.--926 mi².

PERIOD OF RECORD.--August 1928 to September 1930, October 1939 to January 1981, February 1981 to September 1987 (high-water records only). October 1987 to current year (flood hydrograph only). Monthly discharge only for September 1930 and October 1939, published in WSP 1034. Prior to October 1950, published as Tibbee River near Tibbee.

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

GAGE.--Water-stage recorder. Datum of gage is 154.07 ft above sea level (levels by U.S. Army Corps of Engineers). Aug. 7, 1928 to Aug. 31, 1930, nonrecording gage at site 560 ft downstream at present datum. Nov. 5 to Dec. 6, 1939, nonrecording gage at present site and datum.

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

AVERAGE DISCHARGE.--43 years (water years 1929-30, 1940-80), 1,343 ft³/s, 19.70 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 81,600 ft³/s, Mar. 17, 1973, gage height, 32.26 ft, no flow at times many years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1926 reached a stage of 31.5 ft, from information by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,600 ft³/s, Mar. 9, gage height, 24.97 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1998 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-07	0630	15.45	3,410	02-16	0430	11.65	1,640	03-06	0545	14.00	2,660
01-07	1830	18.96	5,670	02-16	1630	14.71	3,020	03-06	1745	15.84	3,630
01-08	0230	20.30	6,710	02-17	0430	17.74	4,810	03-07	0545	18.29	5,190
01-08	1030	21.43	7,640	02-17	1230	19.59	6,140	03-07	1345	20.43	6,810
01-08	1430	21.90	8,180	02-17	2000	21.13	7,390	03-07	2145	22.09	8,490
01-08	1830	22.26	8,850	02-18	0430	22.43	9,220	03-08	0545	23.42	12,000
01-08	2230	22.45	9,270	02-18	0830	22.74	9,950	03-08	0945	23.84	13,600
01-09	0230	22.56	9,520	02-18	1230	23.10	10,900	03-08	1345	24.12	14,800
01-09	0330	22.62	9,660	02-18	1630	23.37	11,900	03-08	1745	24.36	15,800
01-09	0430	22.61	9,640	02-18	2030	23.46	12,200	03-08	2145	24.59	16,800
01-09	0530	22.64	9,710	02-18	2130	23.49	12,300	03-09	0145	24.84	17,900
01-09	0630	22.65	9,730	02-18	2230	23.47	12,200	03-09	0245	24.84	17,900
01-09	0730	22.62	9,660	02-18	2330	23.53	12,400	03-09	0345	24.88	18,100
01-09	0830	22.69	9,830	02-19	0030	23.54	12,500	03-09	0445	24.91	18,300
01-09	0930	22.63	9,690	02-19	0130	23.53	12,400	03-09	0545	24.93	18,400
01-09	1030	22.59	9,590	02-19	0230	23.57	12,600	03-09	0645	24.95	18,500
01-09	1130	22.65	9,730	02-19	0315	23.57	12,600	03-09	0745	24.97	18,600
01-09	1230	22.58	9,570	02-19	0330	23.57	12,600	03-09	0900	24.97	18,600
01-09	1330	22.56	9,520	02-19	0400	23.57	12,600	03-09	0915	24.97	18,600
01-09	1430	22.55	9,500	02-19	0530	23.57	12,600	03-09	1015	24.92	18,300
01-09	1830	22.43	9,220	02-19	0615	23.57	12,600	03-09	1115	24.92	18,300
01-09	2230	22.26	8,850	02-19	0715	23.54	12,500	03-09	1215	24.88	18,100
01-10	0230	22.09	8,490	02-19	0815	23.55	12,500	03-09	1315	24.84	17,900
01-10	0630	21.93	8,210	02-19	0915	23.52	12,400	03-09	1415	24.81	17,800
01-10	1430	21.43	7,640	02-19	1015	23.46	12,200	03-09	1515	24.78	17,600
01-10	2230	20.68	7,010	02-19	1115	23.48	12,200	03-09	1915	24.56	16,600
01-11	1030	18.93	5,650	02-19	1215	23.49	12,300	03-09	2315	24.32	15,600
01-11	2230	16.33	3,920	02-19	1615	23.40	12,000	03-10	0315	24.00	14,300
				02-19	2015	23.25	11,400	03-10	0715	23.77	13,300
				02-20	0015	23.11	11,000	03-10	1515	23.24	11,400
				02-20	0415	22.88	10,300	03-10	2315	22.60	9,610
				02-20	1215	22.34	9,020	03-11	1115	21.20	7,440
				02-20	2015	21.41	7,620	03-11	2315	18.97	5,680
				02-21	0415	20.12	6,560				
				02-21	1615	17.52	4,660				

Flood hydrograph partial-record stations

PEARL RIVER BASIN

02485800 EUBANKS CREEK AT JACKSON, MS

LOCATION.--Lat 32°21'00", long 90°09'50", in NW¼ NE¼ 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, 1,610 ft³/s, Aug. 6, gage height 10.45 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1998 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
12-10	1045	4.01	61	03-16	2130	4.82	168	08-06	2245	7.52	697
12-10	1145	4.99	189	03-16	2145	5.61	269	08-06	2300	10.07	1,490
12-10	1245	5.16	208	03-16	2200	5.68	280	08-06	2315	10.45	1,610
12-10	1300	5.22	216	03-16	2215	5.60	267	08-06	2330	10.34	1,580
12-10	1315	5.34	231	03-16	2230	5.64	274	08-06	2345	9.70	1,360
12-10	1330	5.49	251	03-16	2245	5.74	290	08-06	2400	9.24	1,210
12-10	1345	5.65	275	03-16	2300	5.79	298	08-07	0015	8.60	1,010
12-10	1400	5.74	290	03-16	2315	5.81	302	08-07	0030	7.57	710
12-10	1415	5.99	334	03-16	2330	5.84	307	08-07	0045	6.54	454
12-10	1430	6.64	476	03-16	2345	5.89	316	08-07	0100	5.80	300
12-10	1445	7.12	591	03-16	2400	5.96	329	08-07	0115	5.33	229
12-10	1500	7.48	686	03-17	0015	7.69	744	08-07	0130	4.94	183
12-10	1515	7.92	809	03-17	0030	9.12	1,170	08-07	0145	4.59	141
12-10	1530	8.14	872	03-17	0045	9.11	1,170	08-07	0200	4.28	101
12-10	1545	8.11	864	03-17	0100	8.54	992	08-07	0215	4.03	64
12-10	1600	7.85	789	03-17	0115	7.83	783				
12-10	1615	7.54	702	03-17	0130	7.11	588				
12-10	1630	7.22	616	03-17	0145	6.40	422				
12-10	1645	6.82	518	03-17	0200	5.85	309				
12-10	1730	5.24	218	03-17	0215	5.43	242				
12-10	1745	4.96	185	03-17	0230	5.10	202				
12-10	1800	4.73	158	03-17	0245	4.82	168				
12-10	1815	4.52	132	03-17	0300	4.59	141				
12-10	1830	4.34	110	03-17	0315	4.38	115				
12-10	1845	4.19	88	03-17	0330	4.21	91				
12-10	1900	4.09	73	03-17	0345	4.06	69				

Flood hydrograph partial-record stations

PEARL RIVER BASIN--Continued

02485950 TOWN CREEK AT JACKSON, MS

LOCATION.--Lat 32°18'14", long 90°11'32", in NW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.3, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at bridge on Gallatin Street in Jackson, 300 ft upstream of Illinois Central Railroad and 2.5 mi upstream from mouth.

DRAINAGE AREA.--11.4 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, 2,730 ft³/s, Mar. 17, gage height, 9.41 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1998 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
12-23	1345	3.33	413	01-21	2245	3.56	474	08-06	2245	3.47	450
12-23	1445	4.29	686	01-21	2345	3.98	593	08-06	2300	6.73	1,550
12-23	1545	4.90	881	01-22	0045	4.28	683	08-06	2315	8.12	2,140
12-23	1645	6.19	1,340	01-22	0145	4.64	796	08-06	2330	8.72	2,400
12-23	1745	7.95	2,060	01-22	0245	5.89	1,230	08-06	2345	9.11	2,590
12-23	1800	8.15	2,150	01-22	0345	7.08	1,690	08-06	2400	9.26	2,660
12-23	1815	8.18	2,160	01-22	0400	7.30	1,780	08-07	0015	9.28	2,670
12-23	1830	7.95	2,060	01-22	0415	7.43	1,840	08-07	0030	9.05	2,560
12-23	1845	7.86	2,020	01-22	0430	7.06	1,680	08-07	0045	8.60	2,350
12-23	1945	6.42	1,430	01-22	0445	7.88	2,030	08-07	0100	8.04	2,100
12-23	2045	5.19	979	01-22	0500	7.99	2,080	08-07	0115	7.43	1,840
12-23	2145	4.56	770	01-22	0515	8.11	2,130	08-07	0130	6.68	1,530
12-23	2245	4.24	671	01-22	0530	8.04	2,100	08-07	0145	6.06	1,290
12-23	2345	3.76	530	01-22	0545	7.94	2,060	08-07	0200	5.62	1,130
				01-22	0600	7.78	1,990	08-07	0215	5.32	1,020
				01-22	0615	7.46	1,850	08-07	0230	5.16	969
				01-22	0630	7.09	1,700	08-07	0245	5.01	918
				01-22	0645	6.89	1,620	08-07	0300	4.92	888
				01-22	0745	5.59	1,120	08-07	0315	4.74	828
				01-22	0845	4.61	786	08-07	0330	4.62	790
				01-22	0945	3.77	533	08-07	0345	4.41	723
				01-22	1045	3.15	367	08-07	0400	4.18	653
								08-07	0415	3.83	550
								08-07	0430	3.68	507
								08-07	0445	3.27	398
								08-07	0500	3.04	340
				03-16	2200	4.36	708				
				03-16	2300	5.37	1,040				
				03-16	2400	5.80	1,200				
				03-17	0015	7.52	1,880				
				03-17	0030	8.70	2,400				
				03-17	0045	9.18	2,620				
				03-17	0100	9.41	2,730				
				03-17	0115	9.09	2,580				
				03-17	0130	8.71	2,400				
				03-17	0145	8.18	2,160				
				03-17	0245	6.18	1,340				
				03-17	0345	5.40	1,050				
				03-17	0445	4.40	720				
				03-17	0545	3.48	453				

Flood hydrograph partial-record stations

PEARL RIVER BASIN--Continued

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, 7,180 ft³/s, Apr. 20, 1995, gage height, 16.30 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 29, 1953, maximum discharge, 7,500 ft³/s, gage height, 18.9 ft (from floodmark). Flood prior to 1939 reached a stage of 19.2 ft (from Mississippi Highway Department).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,370 ft³/s, Mar. 17, gage height 13.94 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1998 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
12-23	0700	3.12	184	01-21	2230	7.10	790	03-16	2015	3.29	170
12-23	1000	4.11	320	01-21	2330	7.29	848	03-16	2115	5.53	439
12-23	1300	5.16	497	01-22	0030	7.74	975	03-16	2215	7.99	861
12-23	1400	6.30	724	01-22	0130	8.02	1,060	03-16	2315	8.88	978
12-23	1500	7.17	922	01-22	0230	9.13	1,380	03-16	2330	9.15	1,020
12-23	1600	8.59	1,280	01-22	0330	11.07	1,990	03-16	2345	9.46	1,220
12-23	1700	10.50	1,850	01-22	0345	11.33	2,090	03-16	2400	10.77	1,720
12-23	1715	11.12	2,050	01-22	0400	11.67	2,210	03-17	0015	12.68	2,510
12-23	1730	11.69	2,240	01-22	0415	11.97	2,320	03-17	0030	13.60	3,020
12-23	1745	12.28	2,450	01-22	0430	12.28	2,440	03-17	0045	13.94	3,370
12-23	1800	12.29	2,460	01-22	0445	12.43	2,500	03-17	0100	13.91	3,350
12-23	1815	12.39	2,490	01-22	0500	12.61	2,570	03-17	0115	13.76	3,280
12-23	1830	12.33	2,470	01-22	0515	12.60	2,570	03-17	0130	13.54	3,180
12-23	1845	12.23	2,430	01-22	0530	12.60	2,570	03-17	0145	13.17	3,030
12-23	1900	12.03	2,360	01-22	0545	12.48	2,520	03-17	0200	12.51	2,770
12-23	1915	11.81	2,290	01-22	0600	12.36	2,480	03-17	0215	11.78	2,500
12-23	1930	11.46	2,160	01-22	0615	12.18	2,410	03-17	0315	9.15	1,620
12-23	2030	9.62	1,580	01-22	0630	11.88	2,310	03-17	0415	7.29	1,100
12-23	2130	7.87	1,090	01-22	0730	10.17	1,750	03-17	0515	6.18	821
12-23	2230	7.55	1,010	01-22	0830	8.57	1,280	03-17	0615	5.55	680
12-23	2330	7.29	951	01-22	0930	7.07	897	03-17	1015	4.42	446
12-24	0030	6.66	802	01-22	1030	6.21	705	03-17	1415	3.97	356
12-24	0115	6.41	747	01-22	1130	5.63	587	03-17	1815	3.74	307
				01-22	1230	5.24	511	03-17	2215	3.61	275
				01-22	1330	4.97	462				
				01-22	1530	4.53	386				

Flood hydrograph partial-record stations

PEARL RIVER BASIN--Continued

02486350 CANY CREEK AT JACKSON, MS

LOCATION.--Lat 32°14'14", long 90°13'58", in NE 1/4 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). October 1994 to current year (flood hydrograph 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, 2,020 ft³/s, Dec. 23, gage height 10.02 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1998 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
12-23	1000	4.01	101	01-06	1630	4.58	171	01-21	1230	4.24	127
12-23	1200	4.33	138	01-06	1730	5.54	334	01-21	1300	4.71	190
12-23	1245	4.63	178	01-06	1830	6.12	460	01-21	1330	5.79	385
12-23	1300	5.02	238	01-06	1930	6.57	573	01-21	1345	6.45	541
12-23	1315	5.61	348	01-06	2030	6.93	672	01-21	1400	7.29	780
12-23	1330	6.00	432	01-06	2130	7.54	859	01-21	1415	8.03	1,020
12-23	1345	6.19	477	01-06	2230	8.13	1,060	01-21	1420	8.18	1,080
12-23	1400	6.42	534	01-06	2300	8.36	1,150	01-21	1425	8.29	1,120
12-23	1415	6.61	583	01-06	2330	8.86	1,340	01-21	1430	8.34	1,140
12-23	1430	6.74	619	01-06	2345	9.12	1,460	01-21	1435	8.40	1,160
12-23	1445	6.96	681	01-06	2355	9.15	1,480	01-21	1440	9.05	1,430
12-23	1500	6.89	661	01-07	0015	8.96	1,380	01-21	1445	9.01	1,410
12-23	1515	6.93	672	01-07	0215	8.05	1,030	01-21	1500	8.23	1,100
12-23	1530	7.06	710	01-07	0315	7.81	949	01-21	1515	8.28	1,120
12-23	1545	7.24	765	01-07	0415	7.37	805	01-21	1530	8.32	1,130
12-23	1600	7.52	853	01-07	0500	7.04	705	01-21	1545	8.26	1,110
12-23	1615	7.71	915	01-07	0700	6.32	508				
12-23	1630	8.01	1,020	01-07	0900	5.87	403				
12-23	1645	8.48	1,190	01-07	1100	5.37	301				
12-23	1700	8.95	1,380	01-07	1300	4.58	171				
12-23	1715	9.38	1,600								
12-23	1730	9.65	1,770								
12-23	1745	9.93	1,950								
12-23	1800	10.02	2,020								
12-23	1815	9.85	1,900								
12-23	1830	9.70	1,800								
12-23	1845	9.50	1,670								
12-23	1900	9.14	1,470								
12-23	1915	8.80	1,320								
12-23	1930	8.45	1,180								
12-23	1945	8.11	1,050								
12-23	2000	7.73	922								
12-23	2015	7.50	846								
12-23	2030	7.23	762								
12-23	2045	7.05	707								

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device that will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 1998 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", SW¼ SE¼ sec.18, T.9 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, on U.S. Highway 45, 0.5 mi north of city limits of Tupelo. Prior to 1971 at datum 0.40 ft higher. Drainage area is 111 mi ² .	1944-46†, 1952-70†, 1971-98	03-28-98	<20.62	<5,750	03-21-55	27.72	23,000
Coonewah Creek at Shannon, MS (02435800)	Lat 34°08'17", long 88°43'08", in SE¼ sec.12, T.11 S., R.5 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, on U.S. Highway 45, 1.0 mi north of Shannon and 4.5 mi upstream from mouth. Drainage area is 53.1 mi ² .	1953-98	04-12-79 03-17-80 05-26-81 04-02-82 12-26-82 12-03-83 05-01-85 03-19-86 11-24-86 04-18-88 01-13-89 02-10-90 05-27-91 12-01-91 11-22-92 06-06-94 03-08-95 04-22-96 03-17-98	16.09 14.89 13.92 15.11 17.48 16.88 13.89 15.16 15.32 12.69 16.78 16.63 17.78 17.53 13.02 16.58 17.26 15.68 14.47	d6,730 d4,460 d3,340 d4,760 d10,900 d8,880 d3,310 d4,820 d5,080 d2,490 d8,580 d8,140 d12,000 d11,000 d<2,660 d8,000 d10,000 d5,800 3,930	04-11-62	19.57	22,400
Chiwapa Creek at Shannon, MS (02436000)	Lat 34°06'35", long 88°43'20", in SE¼ sec.24, T.11 S., R.5 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, at bridge on U.S. Highway 45W at Shannon, and 0.7 mi above Gulf, Mobile, and Ohio Railroad bridge. Drainage area is 145 mi ² .	1952-67†, 1968-98	02-17-98	6.04	5,860	03-21-55	15.72	35,500
Mattubby Creek near Aberdeen, MS (02437300)	Lat 33°52'13", long 88°35'46", in SE¼ SE¼ 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, 1952-98	01-09-98	91.66	4,750	12-21-90	95.27	14,600
Nichols Creek tributary near Quincy, MS (02437550)	Lat 33°54'20", long 88°21'05", in SE¼ sec.29, T.13 S., R.10 E., Huntsville Meridian, Monroe County, Hydrologic Unit 03160101, at culvert on U.S. Highway 278, 1.0 mi southeast of Quincy. Drainage area is 0.54 mi ² .	1967-98	01-09-98	6.48	283	10-30-93	9.70	510
James Creek at Aberdeen, MS (02437600)	Lat 33°48'48", long 88°33'59", in SW¼ SE¼ sec.33, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, at bridge on State Highway 25, 0.4 mi southwest of Aberdeen. Prior to Oct. 1, 1988, at datum 10.00 ft higher. Drainage area is 28.4 mi ² .	1964-68†, 1969-98	03-06-98	22.92	3,510	10-22-84	15.21	6,970
Chuquatonchee Creek near Okolona, MS (02439980)	Lat 34°00'05", long 88°53'00", in NE¼ sec.33, T.12 S., R.4 E., Chickasaw Meridian, Chickasaw County, Hydrologic Unit 03160104, at bridge on State Highway 32, 7.5 mi west of Okolona. Drainage area is 68.6 mi ² .	1963-68, 1969-80, 1984-86, 1988-98	03-06-98	<14.56	<7,060	03-16-73	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†, 1974-98	03-07-98	13.35	6,200	03-16-73	16.61	36,300

Crest-stage partial-record stations

Maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 1998 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 SE ¹ / ₄ SW ¹ / 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+, 1969-98	03-06-98	14.19	7,700	03-16-73	18.65	40,000
Line Creek near Maben, MS (02440600)	Lat 33°39'17", long 89°03'41", in S ¹ / 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 .	1952-98	12-24-97	<18.26	<1,610	12-03-83	28.33	7,540
Trim Cane Creek near Starkville MS (02440800)	Lat 33°28'08", long 88°54'30", in W ¹ / ₂ sec.25, T.19 N., R.13 E., Choctaw Meridian, Oktibbeha County, Hydrologic Unit 03160104, at bridge on U.S. Highway 82, 3.0 mi above Biba Wila Creek, and 6.0 mi west of Starkville. Drainage area is 44.9 mi ² .	1952-98	03-05-98	19.58	2,830	05-19-83	28.10	9,980
Sand Creek trib- utary near Mayhew, MS (02441220)	Lat 33°28'37", long 88°43'23", on line between SW ¹ / ₄ sec.17 and NW ¹ / ₄ sec.34, T.19 N., R.15 E., Choctaw Meridian, Oktibbeha County, Hydrologic Unit 03160104, on U.S. Highway 82, 3.7 mi west of Mayhew. Drainage area is 0.44 mi ² .	1966-98	03-05-98	4.42	94	04-27-84	8.75	395
Catalpa Creek at Mayhew, MS (02441300)	Lat 33°28'53", long 88°37'42", in NE ¹ / ₄ SW ¹ / 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+, 1969-98	01-08-98	16.67	6,080	04-13-79	21.52	19,800
Luxapallila Creek at Steens, MS (02443000)	Lat 33°33'35", long 88°18'55", in NE ¹ / ₄ sec.27, T.17 S., R.17 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160105, on county high- way 0.2 mi southeast of Steens. Drainage area is 309 mi ² .	1944-47+, 1950-77+, 1978-98	01-08-98	18.29	11,800	01-06-49	19.20	16,000
Flat Scooba Creek tribu- tary near Scooba, MS (02448620)	Lat 32°50'27", long 88°28'08", in SE ¹ / ₄ sec.32, T.12 N., R.18 E., Choctaw Meridian, Kemper County, Hydrologic Unit 03160108, at culvert on U.S. Highway 45, 0.8 mi north of Scooba. Drainage area is 0.44 mi ² .	1967-98	04-27-97 01-07-98	3.46 5.74	106 263	04-12-79	8.87	427
PASCAGOULA RIVER BASIN								
Leaf River near Raleigh, MS (02471100)	Lat 32°00'47", long 89°25'58", in SE ¹ / ₄ SE ¹ / ₄ sec.13, T.2 N., R.8 E., Choctaw Meridian, Smith County, Hydrologic Unit 03170004, at bridge on State Highway 18, 6.0 mi east of Raleigh. Drainage area is 143 mi ² .	1940-43c, 1957-98	01-22-98	19.74	5,410	04-13-74	28.17	17,000
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 .	1968-98	03-09-98	46.97	12,200	04-14-74	57.44	37,600
Oakohay Creek at Mize, MS (02471500)	Lat 31°52'00", long 89°32'49", in NW ¹ / ₄ sec.6, T.10 N., R.15 W., St. Stephens Merid- ian, Smith County, Hydrologic Unit 03170004, on State High- way 28, at Mize. Drainage area is 185 mi ² .	1943-49+, 1968-98	01-07-98	12.59	3,480	04-13-74	17.26	28,900

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Crest-stage partial-record stations

Maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 1998 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								
Bouie Creek near Sanford, MS (02472420)	Lat 31°28'20", long 89°31'20", in NE¼ sec.20, T.6 N., R.15 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, at bridge on State Highway 589, 5.0 mi southwest of junction with U.S. Highway 49. Drainage area is 262 mi ² .	1968-98	01-07-98	23.22	7,800	04-13-74	32.22	a32,000
Gordon Creek at Hattiesburg, MS (02473047)	Lat 31°19'42", long 89°18'14", in NW¼ NE¼ 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 .	1969-98	01-07-98	13.84	4,920	04-06-83	16.89	6,920
Tallahattah Creek near Waldrup, MS (02473480)	Lat 31°51'40", long 89°05'10", in NW¼ SE¼ sec.3, T.10 N., R.11 W., St. Stephens Meridian, Jasper County, Hydrologic Unit 03170005, on paved county road, 8.7 mi south of Waldrup. Drainage area is 30.4 mi ² .	1965-70+, 1971-98	01-07-98	16.40	5,790	03-03-79	17.20	7,200
Tallahoma Creek tributary at Lake Como, MS (02473850)	Lat 31°57'43", long 89°12'18", on line between SE¼ sec.31, T.2 N., and NE¼ sec.6, T.1 N., R.11 E., Choctaw Meridian Jasper County, Hydro- logic Unit 03170005, at culvert on State Highway 528, 0.5 mi east of Lake Como. Drainage area is 3.21 mi ² .	1966-98	01-07-98	8.35	1,500	07-13-93	11.49	2,380
Buck Creek near Runnelstown MS (02474650)	Lat 31°21'50", long 89°03'08", in SW¼ SE¼ sec.25, T.5 N., R.11 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, at bridge on State Highway 42, 2.5 mi above mouth and 3.7 mi east of Runnelstown. Drainage area is 20.8 mi ² .	1951-98	11-23-79 02-11-81 12-28-83 03-01-85 10-31-85 01-18-87 04-02-88 03-30-89 03-02-91 01-09-92 01-21-93 01-28-94 04-21-95 12-18-95 06-18-97 01-07-98	13.17 10.68 10.01 a<9.77 a<9.77 a<9.77 a<9.77 10.51 7.15 6.63 12.58 9.85 a<9.14 a<9.14 9.32 9.39	d3,440 d2,740 d2,560 d<2,500 d<2,500 d<2,500 d<2,500 d2,700 d<1,840 d1,710 d3,270 d2,520 d<2,340 d<2,340 d2,390 2,410	04-03-79	17.93	5,700
Waterfall Branch near McLain, MS (02475050)	Lat 31°07'08", long 88°45'28", in SW¼ NE¼ SE¼ 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 .	1955-98	01-07-98	8.47	425	06-01-59	11.71	764
Souinlovey Creek near Baxter, MS (02477050)	Lat 32°13'10", long 89°09'30", in NE¼ sec.3, T.4 N., R.11 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170002, at culvert on State Highway 15, 2.6 mi north of Baxter. Drainage area is 1.14 mi ² .	1965-98	03-08-98	7.69	400	06-24-93	13.56	1,150
Shubuta Creek near Shubuta, MS (02477330)	Lat 31°53'04", long 88°44'20", in NW¼ sec.35, T.1 N., R.15 E., Choctaw Meridian, Clarke County, Hydrologic Unit 03170002, at county highway 1.5 mi northwest of Shubuta and 5.0 mi above mouth. Drainage area is 75.5 mi ² .	1963-98	01-07-98	20.71	6,580	04-25-73	24.88	12,700
TCHOUTACABOUFFA RIVER BASIN								
Tuxachanie Creek near Biloxi, MS (02480500)	Lat 30°30'35", long 88°54'40", in SE¼ 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+, 1972-98	04-27-64 05-07-72 09-13-73 05-28-76 01-25-78 03-04-79 02-11-81 09-24-85 10-30-85 08-15-87 05-13-90 05-10-95 09-29-98	19.72 20.49 d20.66 (b) 18.07 17.52 17.64 18.12 d<11.58 23.63 18.38 d24.92 26.06	d7,610 d8,470 d8,680 d3,000 d6,060 d5,610 d5,700 d6,100 d<2,650 d13,700 d6,330 d16,900 20,300	09-29-98	26.06	20,300

Crest-stage partial-record stations

Maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 1998 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis-charge (ft ³ /s)	Date	Gage height (ft)	Dis-charge (ft ³ /s)
BILOXI RIVER BASIN								
Biloxi River near Lyman, MS (02481130)	Lat 30°29'18", long 89°02'09", in SE ¹ / ₄ SE ¹ / ₄ sec.25, T.6 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on downstream side of right pier of bridge on county highway, 1.2 mi downstream from Little Biloxi River, 4.6 mi east of Lyman. Drainage area is 251 mi ² .	1965-98	09-29-98	21.24	24,800	05-10-95	23.95	36,800
PEARL RIVER BASIN								
Yockanookany River tributary near McCool, MS (02483890)	Lat 33°10'06", long 89°25'28", in SW ¹ / 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 .	1965-98	12-24-97	<3.14	<66	02-20-91	7.73	540
Coffee Bogue at Ludlow, MS (02484600)	Lat 32°34'25", long 89°43'48", in NE ¹ / ₄ sec.1, T.8 N., R.5 E., Choctaw Meridian, Scott County, Hydrologic Unit 03180002, at bridge on county road, 1.0 mi west of Ludlow. Drainage area is 77.0 mi ² .	1975-98	01-21-98	14.31	4,090	07-04-89	15.93	9,550
Red Cane Creek tributary near Pisgah, MS (02484750)	Lat 32°28'05", long 89°47'55", on line between NE ¹ / ₄ sec.8 and NW ¹ / ₄ sec.9, Choctaw Meridian, 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 .	1965-98	03-07-98	4.59	51	07-14-93	7.38	143
Fannegusha Creek near Sand Hill, MS (02484760)	Lat 32°30'20", long 89°48'45", in SW ¹ / ₄ sec.29, T.8 N., R.5 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at bridge on county road, 3.9 mi east of Sand Hill. Drainage area is 52.3 mi ² .	1971-98	01-21-98	11.94	4,860	04-12-80	13.35	9,000
Purple Creek at Jackson, MS (02485650)	Lat 32°22'48", long 90°07'19", in NW ¹ / ₄ sec.8, T.6 N., R.2 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at Old Canton Road bridge in Jackson and 1.5 mi above mouth. Drainage area is 6.12 mi ² .	1952-98	06-05-98	9.12	932	04-29-53	99.92	2,890
Three Mile Creek at Jackson, MS (02486115)	Lat 32°16'15", long 90°13'00", in NW ¹ / ₄ SE ¹ / ₄ sec.17, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at old U.S. Highway 51 (Terry Road), 0.6 mi above Illinois Central Railroad. Drainage area is 1.05 mi ² .	1962-98	07-01-98	8.11	491	08-30-74	31.52	1,720
Strong River near Puckett, MS (02487300)	Lat 32°03'48", long 89°44'50", in SE ¹ / ₄ SE ¹ / ₄ sec.26, T.3 N., R.4 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at State Highway 18, 2.0 mi southeast of Puckett. Drainage area is 248 mi ² .	1955-98	01-22-98	25.33	10,600	04-07-83	26.47	18,600
Copiah Creek near Hazlehurst, MS (02487900)	Lat 31°53'23", long 90°17'10", in SW ¹ / ₄ SE ¹ / 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†, 1969-98	01-22-98	13.24	6,100	04-12-80	25.11	32,000
Elmers Draw near Columbia, MS (02489030)	Lat 31°11'58", long 89°57'57", in SE ¹ / ₄ SE ¹ / ₄ NW ¹ / 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 .	1955-98	01-07-98	4.50	123	04-06-83	16.22	1,620

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Crest-stage partial-record stations

Maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 1998		maximum Dis-charge (ft ³ /s)	Period of record maximum		
			Date	Gage height (ft)		Date	Gage height (ft)	Dis-charge (ft ³ /s)
YAZOO RIVER BASIN								
Hell Creek near New Albany, MS (07267000)	Lat 34°30'55", long 89°03'10", in SW ¹ / 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†, 1952-98	04-28-98	11.85	6,620	12-26-82	13.50	8,420
Cypress Creek near Etta, MS (07268500)	Lat 34°26'30", long 89°17'25", in SE ¹ / ₄ sec.27, T.7 S., R.1 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030201, at bridge on State Highway 30, 4.5 mi south-west of Etta, and 5.0 mi above mouth. Prior to Oct. 1, 1964, at datum 10.00 ft higher. Drainage area is 28.5 mi ² .	1939-42†, 1952-98	04-28-98	13.12	4,250	05-19-83	19.94	11,300
North Tippah Creek near Ripley, MS (07269000)	Lat 34°44'00", long 89°01'34", in SW ¹ / 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, 1988-98	04-28-98	<8.03	<538	04-12-79	21.60	(†)
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 Meridian, Panola County, Hydrologic Unit 08030203, at bridge on U.S. Highway 51, 1.0 mi south of Courtland, 5.5 mi above mouth, and 6.0 mi south of Batesville. Drainage area is 66.2 mi ² .	1940-43†, 1952-98	03-07-98	19.28	11,500	05-28-54	25.02	38,300
Long Creek near Cascilla, MS (07285700)	Lat 33°51'40", long 89°59'05", in NE ¹ / ₄ sec.16, T.23 N., R.3 E., Choctaw Meridian, Tallahatchie County, Hydro-logic Unit 08030205, at culver on county highway, 1.1 mi east of Cascilla. Drainage area is 1.64 mi ² .	1965-98	05-27-98	9.46	1,100	05-08-84	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, 1968-98	05-28-98	17.88	4,960	04-26-70	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 SE ¹ / ₄ SW ¹ / 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, 1976-98	05-28-98	25.16	1,960	12-02-91	26.14	3,540
Tilda Bogue near Canton, MS (07289600)	Lat 32°39'15", long 90°00'05", in SW ¹ / 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 .	1948-98	01-22-98	17.67	1,710	04-29-53	19.00	8,800
Clear Creek near Bovina, MS (07290005)	Lat 32°21'42", long 90°43'32", in SW ¹ / 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 .	1953-98	03-08-98	24.27	5,960	04-13-69	30.03	21,000
BAYOU PIERRE BASIN								
Clarks Creek near Pattison, MS (07290690)	Lat 31°53'40", long 90°50'40", in irregular section 35, T.11 N., R.4 E., Washington Meridian, Claiborne County, Hydrologic Unit 08060203, at bridge on county highway, 1.3 mi above mouth, and 2.5 mi east of Pattison. Drainage area is 75.0 mi ² .	1961-62†, 1963-98	12-24-97	20.91	11,500	04-12-80	27.90	31,000

Crest-stage partial-record stations

Maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 1998 maximum			Period of record maximum		
			Date	Gage height (ft)	Dis- charge (ft ³ /s)	Date	Gage height (ft)	Dis- charge (ft ³ /s)
COLES CREEK BASIN								
Little Creek near Fayette, MS (07290830)	Lat 31°40'30", long 91°04'10", in irregular section 24, T.8 N., R.1 E., Washington Meridian, Jefferson County, Hydrologic Unit 08060204, at culvert on State Highway 33, 2.0 mi south of Fayette. Drainage area is 1.71 mi ² .	1967-98	01-07-98	8.57	610	04-12-74	15.45	1,800
Coles Creek near Fayette, MS (07290870)	Lat 31°45'55", long 91°11'30", in irregular section 21, T.9 N., R.1 W., Washington Meridian, Jefferson County, Hydrologic Unit 08060204, at bridge on county highway, 0.7 mi below confluence of North and South Forks of Coles Creek, and 10.0 mi northwest of Fayette. Drainage area is 257 mi ² .	1961-62+, 1963-98	01-07-98	(b)	(†)	04-12-74	31.96	75,000
HOMOCHITTO RIVER BASIN								
McCall Creek near Lucien, MS (07291250)	Lat 31°30'24", long 90°38'45", in SW ¹ / ₄ sec.6, T.6 N., R.6 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, at U.S. High- way 84, 0.8 mi east of Lucien. Drainage area is 60.8 mi ² .	1953, 1955-98	01-07-98	82.81	6,990	04-13-74	92.70	23,000
THOMPSON CREEK BASIN								
Moores Branch near Woodville, MS (07373550)	Lat 31°05'20", long 91°14'30", in SE ¹ / ₄ SW ¹ / ₄ sec.32, T.2 N., R.1 W., Washington Meridian, Wilkinson County, Hydrologic Unit 08070201, at State Highway 24, 3.3 mi east of Woodville. Prior to Oct. 1, 1964, at datum 0.88 ft lower. Drainage area is 0.21 mi ² .	1955-98	04-27-97 01-22-98	3.89 3.73	d138 130	03-24-73	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

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Discharge Date	(ft ³ /s)
YAZOO RIVER BASIN						
07279130 Lake Cormorant Bayou at Lake Cormorant, MS	Coldwater River	Lat 34°54'16", long 90°12'29", NW ¹ / ₄ NE ¹ / ₄ , sec. 24, T. 2 S., R. 10 W., Chickasaw Meridian, Desota County, Hydrologic Unit 08030204, on county road, 0.7 mi west of US Hwy 61 at Lake Cormorant, MS	54.8	----	02-26-98	98
07279140 Lake Cormorant Bayou near Lake Cormorant, MS	Coldwater River	Lat 34°51'40", long 90°12'52", NE ¹ / ₄ NW ¹ / ₄ , sec. 1, T. 3 S., R. 10 W., Chickasaw Meridian, Tunica County Hydrologic Unit 08030204, on county line road, 2.6 mi northeast of Banks, MS.	57.9	----	02-26-98	94
07279150 Lake Cormorant Bayou at Banks, MS	Coldwater River	Lat 34°49'46", long 90°13'11", NE ¹ / ₄ NE ¹ / ₄ , sec. 14, T. 3 S., R. 10 W., Chickasaw Meridian, Tunica County, Hydrologic Unit 08030204, on State Hwy 304, 0.6 mi west of Banks, MS.	77.7	----	02-26-98	155
07287415 Parker Bayou near Eden, MS	Yazoo River	Lat 33°01'55", long 90°19'42", NW ¹ / ₄ SW ¹ / ₄ , sec. 29, T. 14 N., R. 1 W., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on US Hwy 49E, 4 mi north of Eden, MS	338	1970	05-29-98 05-30-98 05-30-98	915 1,220 1,600
0728835010 Dougherty Bayou near Ruleville, MS	Big Sunflower River	Lat 33°43'27", long 90°34'48", NW ¹ / ₄ NE ¹ / ₄ , sec. 2, T. 21 N., R. 4 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, on county road, 1.7 mi west of Ruleville, MS, and 0.63 mi above mouth.	---	----	10-22-97	.31
07288365 Lead Bayou near Boyle, MS	Horseshoe Bayou	Lat 33°43'07", long 90°38'34", on line between sec. 5 and sec. 6, T. 21 N., R. 4 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, on county road, 4.5 mi northeast of Boyle, MS.	---	1974, 1978, 1997	10-22-97	5.7
07288366 Horseshoe Bayou near Ruleville, MS	Big Sunflower River	Lat 33°43'02", long 90°35'57", in sec. 3, T. 21 N., R. 4 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, on county road, 2.0 mi west of Ruleville, MS.	292	1987, 1997	10-22-97	5.4
07288368 Big Sunflower River near Doddsville, MS	Yazoo River	Lat 33°39'06", long 90°32'12", in sec. 29, T. 21 N., R. 3 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, on State Hwy 442, 0.8 mi west of Doddsville, MS.	292	1987, 1997	10-22-97	19
07288372 Jones Bayou near Sunflower, MS	Big Sunflower River	Lat 33°34'24", long 90°33'17", SE ¹ / ₄ SE ¹ / ₄ , sec. 13, T. 20 N., R. 4 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, on county road, 2.2 mi northwest of Sunflower, MS, and 1,025 ft above mouth.	---	----	10-21-97	.09
07288500 Big Sunflower River at Sunflower, MS	Yazoo River	Lat 33°32'50", long 90°32'35", in NE ¹ / ₄ NW ¹ / ₄ , sec. 6, T. 19 N., R. 3 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, on county road at Sunflower, MS.	767	1935-65, 1982-83, 1991-93, 1997	10-21-97	24
07288530 Big Sunflower River near Indianola, MS	Yazoo River	Lat 33°27'59", long 90°33'57", in SE ¹ / ₄ NW ¹ / ₄ , sec. 25, T. 19 N., R. 4 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, on county road, 3.7 mi northwest of Moorehead, MS	---	1987, 1997	10-21-97	34
07288609 Quiver River near Indianola, MS	Big Sunflower River	Lat 33°28'07", long 90°33'52", in SE ¹ / ₄ NW ¹ / ₄ , sec. 25, T. 19 N., R. 4 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08020307, on county road, 3.6 mi northwest of Moorehead, MS.	---	1987, 1997	10-21-97	64
07288680 Big Sunflower River at Little Callao Landing, MS	Yazoo River	Lat 33°11'02", long 90°41'10", NE ¹ / ₄ NW ¹ / ₄ , sec. 2, T. 15 N., R. 5 W., Choctaw Meridian, Washington County, Hydrologic Unit 08030207, on State Hwy 12, 10 mi east of Hollandale, MS, and at mile 62.2.	2377	1954, 1970 1980 1997	10-23-97	137

Special study and miscellaneous sites

Discharge measurements made at special study and miscellaneous sites

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Discharge Date	(ft ³ /s)
YAZOO RIVER BASIN--Continued						
07288698 Big Sunflower River near Richey, MS	Yazoo River	Lat 33°03'24", long 90°41'51", NW ¹ / ₄ SE ¹ / ₄ , sec.15, T.14 N., R.5 W., Choctaw Meridian, Sharkey County, Hydrologic Unit 08030207, at Boomer's Ferry, 7.7 mi southwest of Midnight, MS, and 5.5 mi upstream of Richey, MS.	---	----	10-23-97	172
07288700 Big Sunflower River near Anguilla, MS	Yazoo River	Lat 33°58'18", long 90°46'40", in sec.14, T.13 N., R.6 W., Choctaw Meridian, Sharkey County, Hydrologic Unit 08030207, on State Hwy 14, 3 mi east of Anguilla, MS.	2,615	1980, 1988, 1997	10-21-97	302

WATER-QUALITY DATA FOR PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

MOBILE RIVER BASIN

02437000 TOMBIGBEE RIVER NEAR AMORY, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
FEB				
04...	1220	2450	60	397
MAR				
18...	1630	3070	95	787
APR				
30...	1640	14700	1420	56400

02437500 TOMBIGBEE RIVER AT ABERDEEN, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
FEB					
04...	1400	4640	77	965	--
MAR					
18...	1720	6360	104	1790	--
APR					
18...	1500	2440	86	567	--
18...	2130	3590	89	863	87
19...	1100	6420	275	4770	92
19...	2230	9370	110	2780	94
20...	1125	6420	96	1660	--
28...	1130	11900	65	2090	--
28...	1930	6740	253	4600	94
29...	0135	16700	335	15100	100
29...	1400	9420	232	5900	95
29...	1715	6760	198	3610	--

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)
APR									
19...	1100	52	64	66	78	85	92	96	100
29...	0135	61	81	86	95	99	100	--	--

02441400 TOMBIGBEE RIVER NR COLUMBUS, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
FEB				
03...	1020	5590	75	1130
MAR				
17...	0920	7720	68	1420
APR				
27...	1625	5450	57	839

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 1997 TO SEPTEMBER 1998

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

LOWER MISSISSIPPI EMBAYMENT STUDY

07279950 COLDWATER RIVER AT MARKS, MS

		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)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)			
JUN 04...	0800	78	6.2	27.5	E75	6.00	8.1	E26			
FISH TISSUE DATA											
DATE	TIME	PCB, BIOTA, WH ORG WW, REC (UG/KG) (49354)	ALPHA- BHC, BIOTA, WH ORG WW, REC (UG/KG) (49366)	BETA- BHC, BIOTA, WH ORG WW, REC (UG/KG) (49365)	DELTA- BHC, BIOTA, WH ORG WW, REC (UG/KG) (49364)	ALDRIN, BIOTA, WH ORG WW, REC (UG/KG) (49353)	CIS- CHLOR- DANE, BIOTA, WH ORG WW, REC (UG/KG) (49380)	OXY- CHLOR- DANE, BIOTA, WH ORG WW, REC (UG/KG) (49357)	TRANS- CHLOR- DANE, BIOTA, WH ORG WW, REC (UG/KG) (49379)	DCPA, BIOTA, WH ORG WW, REC (UG/KG) (49378)	
JUN 04...	1000	100	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
DATE	TIME	O,P'- DDD, BIOTA, WH ORG WW, REC (UG/KG) (49374)	P,P'- DDD, BIOTA, WH ORG WW, REC (UG/KG) (49375)	O,P'- DDE, BIOTA, WH ORG WW, REC (UG/KG) (49373)	P,P'- DDE, BIOTA, WH ORG WW, REC (UG/KG) (49372)	O,P'- DDT, BIOTA, WH ORG WW, REC (UG/KG) (49377)	P,P'- DDT, BIOTA, WH ORG WW, REC (UG/KG) (49376)	DIEL- DRIN, BIOTA, WH ORG WW, REC (UG/KG) (49371)	ENDRIN, BIOTA, WH ORG WW, REC (UG/KG) (49370)	HEPTA- CHLOR, BIOTA, WH ORG WW, REC (UG/KG) (49369)	HEPTA- CHLOR EPOXIDE BIOTA, WH ORG WW, REC (UG/KG) (49368)
JUN 04...	E300	<5.00	<5.00	1300	<5.00	24.0	9.50	<5.00	<5.00	<5.00	
DATE	TIME	LINDANE BIOTA, WH ORG WW, REC (UG/KG) (49363)	LIPIDS, BIOTA, WH ORG WW, REC PERCENT (49289)	METHOXY CHLOR, O,P'-, BIOTA, WH ORG WW, REC (UG/KG) (49362)	METHOXY CHLOR, P,P'-, BIOTA, WH ORG WW, REC (UG/KG) (49361)	MIREX, BIOTA, WH ORG WW, REC (UG/KG) (49360)	CIS- NONA- CHLOR, BIOTA, WH ORG WW, REC (UG/KG) (49359)	TRANS- NONA- CHLOR, BIOTA, WH ORG WW, REC (UG/KG) (49358)	TOXA- PHENE, BIOTA, WH ORG WW, REC (UG/KG) (49355)	BENZENE CHLORO- BIOTA, WH ORG WW, REC (UG/KG) (49367)	PENTA HEXA- CHLORO ANISOLE BIOTA, WH ORG WW, REC (UG/KG) (49356)
JUN 04...	4.76	<5.00	4.76	<6.00	<5.00	<5.00	<5.00	E390	<5.00	<5.00	

07280900 CASSIDY BAYOU AT WEBB, MS

		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)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)			
JUN 04...	1200	132	6.9	30.5	E60	4.00	8.0	E42			
FISH TISSUE DATA											
DATE	TIME	PCB, BIOTA, WH ORG WW, REC (UG/KG) (49354)	ALPHA- BHC, BIOTA, WH ORG WW, REC (UG/KG) (49366)	BETA- BHC, BIOTA, WH ORG WW, REC (UG/KG) (49365)	DELTA- BHC, BIOTA, WH ORG WW, REC (UG/KG) (49364)	ALDRIN, BIOTA, WH ORG WW, REC (UG/KG) (49353)	CIS- CHLOR- DANE, BIOTA, WH ORG WW, REC (UG/KG) (49380)	OXY- CHLOR- DANE, BIOTA, WH ORG WW, REC (UG/KG) (49357)	TRANS- CHLOR- DANE, BIOTA, WH ORG WW, REC (UG/KG) (49379)	DCPA, BIOTA, WH ORG WW, REC (UG/KG) (49378)	
JUN 04...	1400	150	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
DATE	TIME	O,P'- DDD, BIOTA, WH ORG WW, REC (UG/KG) (49374)	P,P'- DDD, BIOTA, WH ORG WW, REC (UG/KG) (49375)	O,P'- DDE, BIOTA, WH ORG WW, REC (UG/KG) (49373)	P,P'- DDE, BIOTA, WH ORG WW, REC (UG/KG) (49372)	O,P'- DDT, BIOTA, WH ORG WW, REC (UG/KG) (49377)	P,P'- DDT, BIOTA, WH ORG WW, REC (UG/KG) (49376)	DIEL- DRIN, BIOTA, WH ORG WW, REC (UG/KG) (49371)	ENDRIN, BIOTA, WH ORG WW, REC (UG/KG) (49370)	HEPTA- CHLOR, BIOTA, WH ORG WW, REC (UG/KG) (49369)	HEPTA- CHLOR EPOXIDE BIOTA, WH ORG WW, REC (UG/KG) (49368)
JUN 04...	<29.0	E680	<5.00	3000	<40.0	94.0	72.0	<14.0	<5.00	<5.00	
DATE	TIME	LINDANE BIOTA, WH ORG WW, REC (UG/KG) (49363)	LIPIDS, BIOTA, WH ORG WW, REC PERCENT (49289)	METHOXY CHLOR, O,P'-, BIOTA, WH ORG WW, REC (UG/KG) (49362)	METHOXY CHLOR, P,P'-, BIOTA, WH ORG WW, REC (UG/KG) (49361)	MIREX, BIOTA, WH ORG WW, REC (UG/KG) (49360)	CIS- NONA- CHLOR, BIOTA, WH ORG WW, REC (UG/KG) (49359)	TRANS- NONA- CHLOR, BIOTA, WH ORG WW, REC (UG/KG) (49358)	TOXA- PHENE, BIOTA, WH ORG WW, REC (UG/KG) (49355)	BENZENE CHLORO- BIOTA, WH ORG WW, REC (UG/KG) (49367)	PENTA HEXA- CHLORO ANISOLE BIOTA, WH ORG WW, REC (UG/KG) (49356)
JUN 04...	<5.00	4.80	<5.00	<12.0	<5.00	<5.00	<6.00	E760	<5.00	<5.00	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
 WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
 NATIONAL WATER-QUALITY ASSESSMENT PROGRAM
 LOWER MISSISSIPPI EMBAYMENT STUDY--Continued
 07288500 BIG SUNFLOWER RIVER AT SUNFLOWER, MS

		PH				ANC					
		SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	UNFLTRD TIT 4.5 LAB (MG/L) AS CACO3 (90410)				
DATE	TIME										
JUN 17...	0930	338	7.7	31.0	34	8.5	151				
FISH TISSUE DATA											
DATE	TIME	PCB, BIOTA, WH ORG WW, REC (UG/KG) (49354)	ALPHA- BHC, BIOTA, WH ORG WW, REC (UG/KG) (49366)	BETA- BHC, BIOTA, WH ORG WW, REC (UG/KG) (49365)	DELTA- BHC, BIOTA, WH ORG WW, REC (UG/KG) (49364)	ALDRIN, BIOTA, WH ORG WW, REC (UG/KG) (49353)	CIS- CHLOR- DANE, BIOTA, WH ORG WW, REC (UG/KG) (49380)	OXY- CHLOR- DANE, BIOTA, WH ORG WW, REC (UG/KG) (49357)	TRANS- CHLOR- DANE, BIOTA, WH ORG WW, REC (UG/KG) (49379)	DCPA, BIOTA, WH ORG WW, REC (UG/KG) (49378)	
JUN 17...	1200	290	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
DATE	TIME	O,P'- DDD, BIOTA, WH ORG WW, REC (UG/KG) (49374)	P,P'- DDD, BIOTA, WH ORG WW, REC (UG/KG) (49375)	O,P'- DDE, BIOTA, WH ORG WW, REC (UG/KG) (49373)	P,P'- DDE, BIOTA, WH ORG WW, REC (UG/KG) (49372)	O,P'- DDT, BIOTA, WH ORG WW, REC (UG/KG) (49377)	P,P'- DDT, BIOTA, WH ORG WW, REC (UG/KG) (49376)	DIEL- DRIN, BIOTA, WH ORG WW, REC (UG/KG) (49371)	ENDRIN, BIOTA, WH ORG WW, REC (UG/KG) (49370)	HEPTA- CHLOR- BIOTA, WH ORG WW, REC (UG/KG) (49369)	HEPTA- CHLOR- BIOTA, WH ORG WW, REC (UG/KG) (49368)
JUN 17...	22.0	E380	<11.0	1800	<37.0	58.0	20.0	<15.0	<5.00	<5.00	
DATE	TIME	LINDANE BIOTA, WH ORG WW, REC (UG/KG) (49363)	LIPIDS, BIOTA, WH ORG WW, REC PERCENT (49289)	METHOXY CHLOR, O,P'-, BIOTA, WH ORG WW, REC (UG/KG) (49362)	METHOXY CHLOR, P,P'-, BIOTA, WH ORG WW, REC (UG/KG) (49361)	MIREX, BIOTA, WH ORG WW, REC (UG/KG) (49360)	CIS- NONA- CHLOR, BIOTA, WH ORG WW, REC (UG/KG) (49359)	TRANS- NONA- CHLOR, BIOTA, WH ORG WW, REC (UG/KG) (49358)	TOXA- PHENE, BIOTA, WH ORG WW, REC (UG/KG) (49355)	BENZENE HEXA- CHLORO- BIOTA, WH ORG WW, REC (UG/KG) (49367)	PENTA CHLORO ANISOLE BIOTA, WH ORG WW, REC (UG/KG) (49356)
JUN 17...	<5.00	6.80	<9.00	<6.00	<5.00	<5.00	<7.00	E710	<5.00	<5.00	

07288570 QUIVER RIVER NR DODDSVILLE, MS

				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)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)		
DATE	TIME										
JUN 17...	1430			273	7.1	31.5	40	5.8		127	
FISH TISSUE DATA											
DATE	TIME	PCB, BIOTA, WH ORG WW, REC (UG/KG) (49354)	ALPHA- BHC, BIOTA, WH ORG WW, REC (UG/KG) (49366)	BETA- BHC, BIOTA, WH ORG WW, REC (UG/KG) (49365)	DELTA- BHC, BIOTA, WH ORG WW, REC (UG/KG) (49364)	ALDRIN, BIOTA, WH ORG WW, REC (UG/KG) (49353)	CIS- CHLOR- DANE, BIOTA, WH ORG WW, REC (UG/KG) (49380)	OXY- CHLOR- DANE, BIOTA, WH ORG WW, REC (UG/KG) (49357)	TRANS- CHLOR- DANE, BIOTA, WH ORG WW, REC (UG/KG) (49379)	DCPA, BIOTA, WH ORG WW, REC (UG/KG) (49378)	
JUN 17...	1200	91.0	<5.00	<5.00	<5.00	<5.00	9.10	<5.00	<5.00	<5.00	
DATE	TIME	O,P'- DDD, BIOTA, WH ORG WW, REC (UG/KG) (49374)	P,P'- DDD, BIOTA, WH ORG WW, REC (UG/KG) (49375)	O,P'- DDE, BIOTA, WH ORG WW, REC (UG/KG) (49373)	P,P'- DDE, BIOTA, WH ORG WW, REC (UG/KG) (49372)	O,P'- DDT, BIOTA, WH ORG WW, REC (UG/KG) (49377)	P,P'- DDT, BIOTA, WH ORG WW, REC (UG/KG) (49376)	DIEL- DRIN, BIOTA, WH ORG WW, REC (UG/KG) (49371)	ENDRIN, BIOTA, WH ORG WW, REC (UG/KG) (49370)	HEPTA- CHLOR- BIOTA, WH ORG WW, REC (UG/KG) (49369)	HEPTA- CHLOR- BIOTA, WH ORG WW, REC (UG/KG) (49368)
JUN 17...	<55.0	E1100	<15.0	5500	<5.00	320	30.0	<5.00	<5.00	<5.00	
DATE	TIME	LINDANE BIOTA, WH ORG WW, REC (UG/KG) (49363)	LIPIDS, BIOTA, WH ORG WW, REC (UG/KG) PERCENT (49289)	METHOXY CHLOR, O,P'-, BIOTA, WH ORG WW, REC (UG/KG) (49362)	METHOXY CHLOR, P,P'-, BIOTA, WH ORG WW, REC (UG/KG) (49361)	MIREX, BIOTA, WH ORG WW, REC (UG/KG) (49360)	CIS- NONA- CHLOR, BIOTA, WH ORG WW, REC (UG/KG) (49359)	TRANS- NONA- CHLOR, BIOTA, WH ORG WW, REC (UG/KG) (49358)	TOXA- PHENE, BIOTA, WH ORG WW, REC (UG/KG) (49355)	BENZENE HEXA- CHLORO- BIOTA, WH ORG WW, REC (UG/KG) (49367)	PENTA CHLORO ANISOLE BIOTA, WH ORG WW, REC (UG/KG) (49356)
JUN 17...	<5.00	9.10	<28.0	<17.0	<5.00	<10.0	12.0	E750	<5.00	<5.00	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

NATIONAL WATER-QUALITY ASSESSMENT PROGRAM

LOWER MISSISSIPPI EMBAYMENT STUDY--Continued

07288700 BIG SUNFLOWER RIVER NEAR ANGUILLA, 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)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)
OCT							
07...	1025	621	348	7.8	25.0	--	7.0
20...	1350	440	312	8.5	21.0	--	--
NOV							
04...	1210	--	210	6.8	15.5	--	6.8
17...	1040	546	299	7.3	11.0	--	7.2
DEC							
01...	1230	--	201	7.2	14.5	--	5.5
17...	1300	--	269	7.5	8.5	--	8.7
29...	1330	--	95	7.2	7.5	--	--
JAN							
14...	1100	--	98	7.0	11.0	--	8.9
28...	1035	--	87	7.0	7.5	--	9.6
JUN							
18...	1600	--	280	6.8	31.5	40	10.1

0728872008 SILVER CREEK NR BAYLAND, 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)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED AS (MG/L) (00300)	ANC UNFLTRD TIT 4.5 LAB (MG/L) AS CACO3 (90410)
JUN							
08...	1000	79	5.8	24.0	E14	3.5	E31

FISH TISSUE DATA

DATE	TIME	PCB, BIOTA, WH ORG	ALPHA- BHC, BIOTA, WH ORG	BETA- BHC, BIOTA, WH ORG	DELTA- BHC, BIOTA, WH ORG	ALDRIN, BIOTA, WH ORG	CIS- CHLOR- DANE, BIOTA, WH ORG	OXY- CHLOR- DANE, BIOTA, WH ORG	TRANS- CHLOR- DANE, BIOTA, WH ORG	DCPA, BIOTA, WH ORG	
		WW, REC (UG/KG) (49354)	WW, REC (UG/KG) (49366)	WW, REC (UG/KG) (49365)	WW, REC (UG/KG) (49364)	WW, REC (UG/KG) (49353)	WW, REC (UG/KG) (49380)	WW, REC (UG/KG) (49357)	WW, REC (UG/KG) (49379)	WW, REC (UG/KG) (49378)	
JUN 08...	1200	87.0	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	<5.00	
DATE		O,P'- DDD, BIOTA, WH ORG	P,P'- DDD, BIOTA, WH ORG	O,P'- DDE, BIOTA, WH ORG	P,P'- DDE, BIOTA, WH ORG	O,P'- DDT, BIOTA, WH ORG	P,P'- DDT, BIOTA, WH ORG	DIEL- DRIN, BIOTA, WH ORG	ENDRIN, BIOTA, WH ORG	HEPTA- CHLOR- BIOTA, WH ORG	
		WW, REC (UG/KG) (49374)	WW, REC (UG/KG) (49375)	WW, REC (UG/KG) (49373)	WW, REC (UG/KG) (49372)	WW, REC (UG/KG) (49377)	WW, REC (UG/KG) (49376)	WW, REC (UG/KG) (49371)	WW, REC (UG/KG) (49370)	WW, REC (UG/KG) (49369)	HEPTA- CHLOR- EPOXIDE BIOTA, WH ORG
											WW, REC (UG/KG) (49368)
JUN 08...	<21.0	E370	<5.00	1200	<5.00	160	20.0	<11.0	<5.00	<5.00	
DATE		LINDANE BIOTA, WH ORG	LIPIDS, BIOTA, WH ORG	METHOXY CHLOR, O,P'-, BIOTA, WH ORG	METHOXY CHLOR, P,P'-, BIOTA, WH ORG	MIREX, BIOTA, WH ORG	CIS- NONA- CHLOR, BIOTA, WH ORG	TRANS- NONA- CHLOR, BIOTA, WH ORG	TOXA- PHENE, BIOTA, WH ORG	BENZENE HEXA- CHLORO- BIOTA, WH ORG	
		WW, REC (UG/KG) (49363)	WW, REC PERCENT (49289)	WW, REC (UG/KG) (49362)	WW, REC (UG/KG) (49361)	WW, REC (UG/KG) (49360)	WW, REC (UG/KG) (49359)	WW, REC (UG/KG) (49358)	WW, REC (UG/KG) (49355)	WW, REC (UG/KG) (49367)	PENTA CHLORO ANISOLE BIOTA, WH ORG
											WW, REC (UG/KG) (49356)
JUN 08...	<5.00	5.00	<5.00	<12.0	<5.00	<5.00	<5.00	E550	<5.00	5.10	

07288770 DEER CREEK NR HOLLANDALE, 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)	TUR- BID- ITY (NTU) (00076)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED AS (MG/L) (00300)	ANC UNFLTRD TIT 4.5 LAB (MG/L) AS CACO3 (90410)
JUN								
18...	0800	154	6.4	29.5	20	13.0	3.0	67

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
 WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
 NATIONAL WATER-QUALITY ASSESSMENT PROGRAM
 LOWER MISSISSIPPI EMBAYMENT STUDY--Continued
 07288870 STEELE BAYOU EAST PRONG NEAR ROLLING FORK, 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)	TUR- BID- ITY (NTU) (00076)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)
OCT								
07...	0955	21	563	7.9	24.0	--	--	4.7
20...	1300	16	600	7.7	19.0	--	--	10.1
NOV								
04...	1100	--	306	7.1	14.5	--	--	6.0
17...	1015	28	368	6.8	8.5	--	--	8.2
DEC								
01...	0900	--	257	7.2	14.5	--	--	6.5
17...	1230	--	323	7.5	8.5	--	--	8.8
29...	0930	--	131	7.2	7.0	--	--	9.7
JAN								
14...	1030	--	130	6.9	11.5	--	--	9.2
28...	0950	--	123	6.9	8.0	--	--	9.9
JUN								
09...	0915	--	180	6.3	26.5	E23	7.00	6.7

GROUND-WATER LEVELS

GRENADA COUNTY

334213089442701. Local number H024.

LOCATION.--Lat 33°42'21", long 89°44'27", in NW1/4 NE1/4 sec. 11, T.21 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, at old Camp McCain site, 1 mi northeast of Elliott.

Owner: Charles Blakely (formerly U.S. Army).

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter of casing 18-12 in, depth 82 ft.

INSTRUMENTATION.--Handar 555 Data Collection Platform installed February 1998. Water level transmitted every 4 hours.

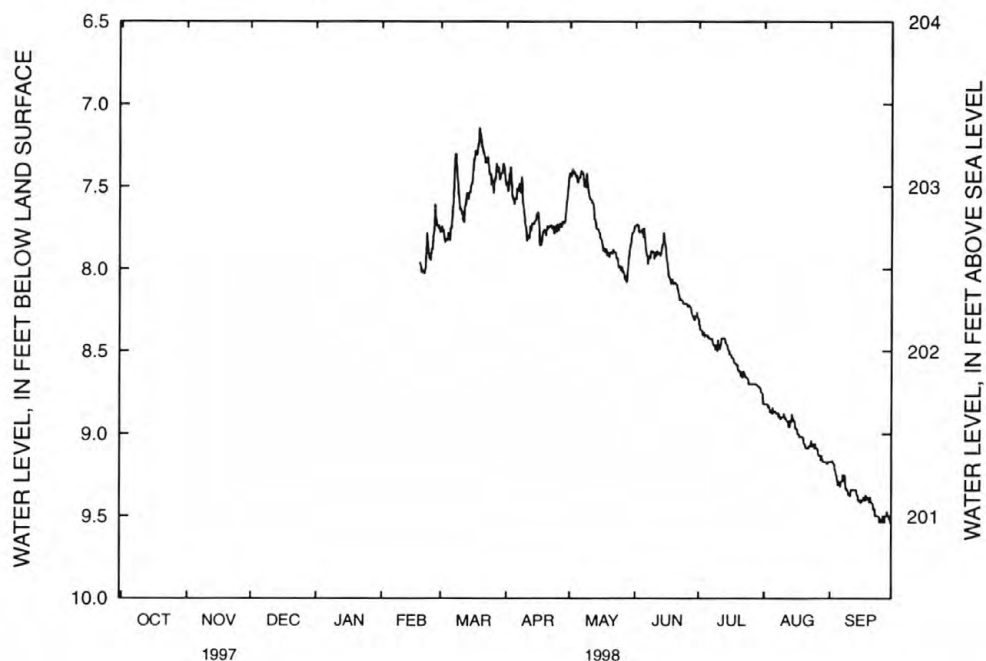
DATUM.--Land-surface datum is 210.5 ft above sea level. Measuring point: Top of 12 in casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--Miscellaneous water-level measurements 1943, February 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.95 ft below land-surface datum Mar. 19, 1998, lowest measured 9.90 ft, Jan. 1943.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	7.83	7.61	7.48	7.81	8.41	8.88	9.31
10	---	---	---	---	---	7.64	7.77	7.56	7.94	8.50	8.90	9.37
15	---	---	---	---	---	7.54	7.71	7.78	7.85	8.49	8.92	9.41
20	---	---	---	---	8.02	7.24	7.80	7.93	8.09	8.62	9.06	9.42
25	---	---	---	---	7.92	7.49	7.78	---	8.21	8.70	9.09	9.54
EOM	---	---	---	---	7.76	7.42	7.65	7.81	8.29	8.75	9.18	9.54
WTR YR	HIGH 7.14 MAR 19			LOW 9.54 SEP 25								



HINDS COUNTY

321957090105601. Local number, H155.

LOCATION.--Lat 32°19'52", long 90°10'59". in NW1/4 SE1/4 sec.27, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, on North West Street near Taylor Street, 2.0 mi north of center of Jackson.

Owner: Department of Environmental Quality, Office of Geology.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well (test hole), diameter 4 in, depth 200 ft.

DATUM.--Land-surface datum is 330 ft above sea level. Measuring point: Top of casing, 40 ft above land-surface datum.

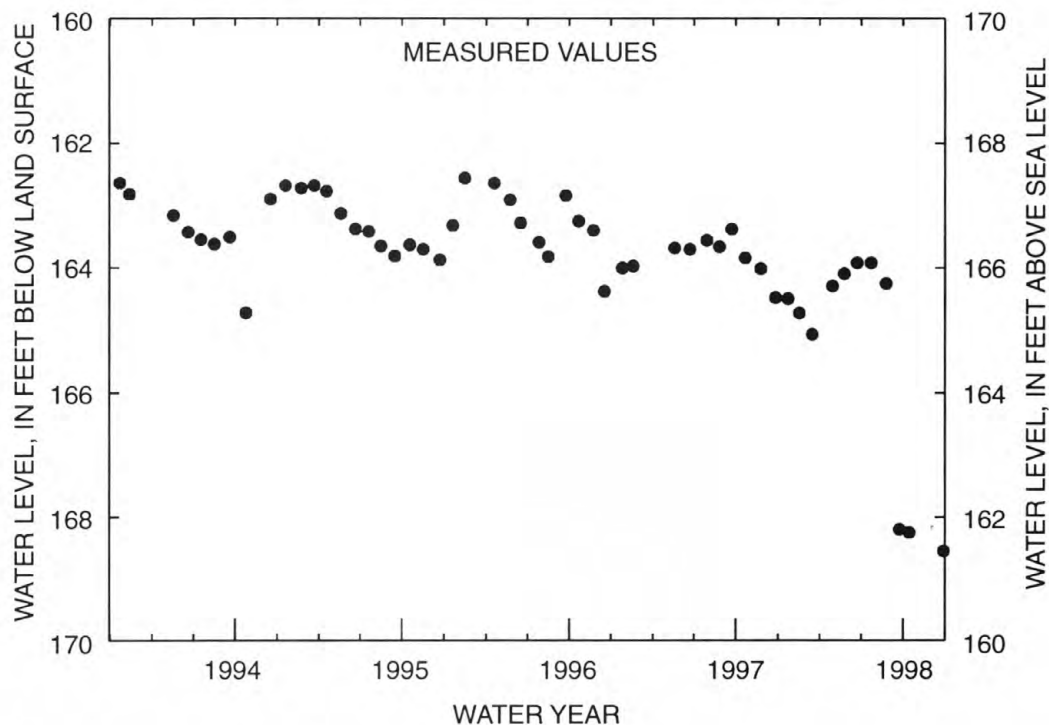
REMARKS.--Slug tested June 1998, well response sluggish, cleaned well with air, water level changed about 4 feet.

PERIOD OF RECORD.--Periodic water-level measurements July 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 143.13 ft below land-surface datum, Jul. 11, 1972, lowest measured, 168.49 ft below land-surface datum, Sept. 26, 1997.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	168.49	DEC 16	169.06	FEB 24	168.09	APR 23	167.92	JUN 24	172.20	---	---
NOV 20	168.72	JAN 29	168.29	MAR 24	167.82	MAY 26	168.25	JUL 15	172.25	SEP 28	172.55



WAYNE COUNTY

31415088392301. Local number, N151.

LOCATION.--Lat 31°41'07", long 88°39'27", in NE1/4 SE1/4 sec.2, T.8 N., R.7 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, 1 mi northwest of center of Waynesboro at Turner Street and Gulf Mobile and Ohio Railroad.

Owner: Town of Waynesboro.

AQUIFER.--Waynesboro Sand Lentic of Byram Formation of Oligocene age.

WELL CHARACTERISTICS.--Drilled unused artesian aquifer, diameter 18-8 in, depth 82 ft.

INSTRUMENTATION.--Handar 555 Data Collection Platform. Water level transmitted very 4 hours.

DATUM.--Land-surface datum is 180 ft above sea level. Measuring point: 1 in breather pipe inside shelter, 2.30 ft above land-surface datum.

PERIOD OF RECORD.--Miscellaneous measurements 1973, February 1975 to September 1993, February 1998 to current year.

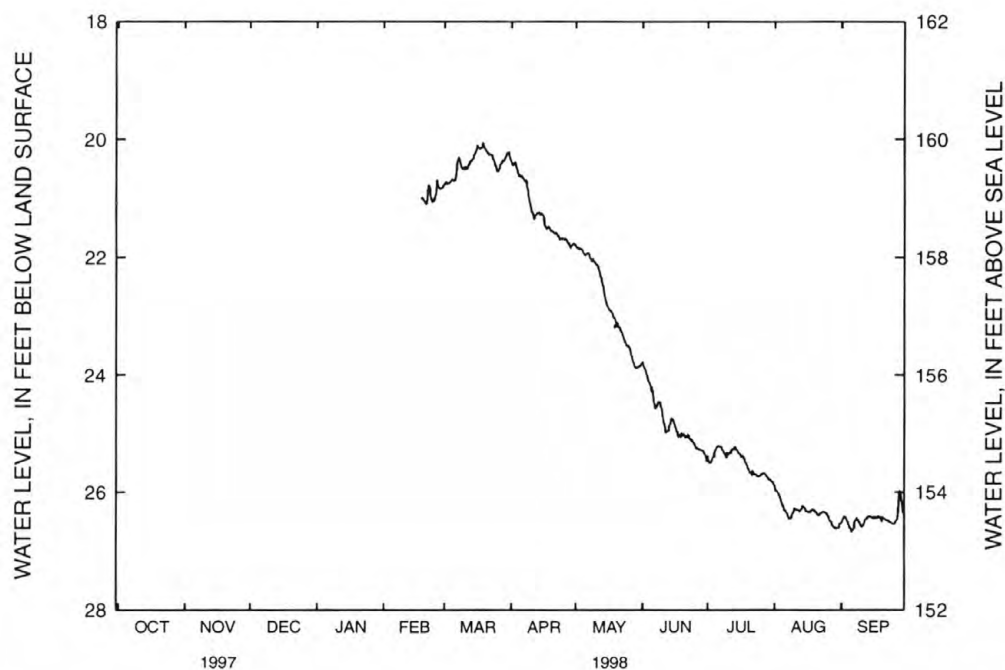
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.52 ft below land-surface datum, Apr. 5, 1990, lowest measured, 35.73 ft below land-surface datum, Jan. 22, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	20.70	20.62	21.94	24.24	25.40	26.23	26.61
10	---	---	---	---	---	20.50	21.16	22.10	24.60	25.41	26.44	26.57
15	---	---	---	---	---	20.34	21.28	22.76	24.77	25.29	26.26	26.43
20	---	---	---	---	21.06	20.17	21.56	23.14	25.03	25.59	26.33	26.50
25	---	---	---	---	21.04	20.49	21.70	---	25.17	25.74	26.36	26.54
EOM	---	---	---	---	20.84	20.24	21.81	23.87	25.36	25.82	26.62	26.36

WTR YR HIGH 20.06 FEB 20

LOW 26.67 SEP 6



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, 244.77 ft below land-surface datum, Oct. 23, 1997.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	244.77	APR 2	244.57

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 1997 TO SEPTEMBER 1998

DATE	WATER LEVEL
OCT 20	265.75

322223090132801. Local number, H163.

LOCATION.--Lat 32°22'19", long 90°13'25", in SW1/4 SW1/4 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: 1/4-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 April 1998 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 272 ft below land-surface datum Apr. 1, 1974, lowest measured, 308.31 ft below land-surface datum Jan. 29, 1998.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 29	308.31	APR 23	304.90

322222090095201. Local number, H164.

LOCATION.--Lat 32°22'13", long 90°09'55", 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 July 1998 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 195.65 ft below land-surface datum, June 10, 1977, lowest measured 249.50 ft below land-surface datum, Jul. 15, 1998.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	247.11	DEC 16	241.79	FEB 24	240.56	APR 23	239.60	JUN 24	248.49
Nov 17	244.75	JAN 29	241.15	MAR 24	240.02	MAY 26	244.23	JUL 15	249.50

322003090092501. Local number, H196.

LOCATION.--Lat 32°20'11", long 90°09'33", in SE1/4 NE1/4 sec.25, T.6 N., R.1 E., Choctaw Meridian, Hinds County.

Hydrologic Unit 03180002, near intersection of Interstate 55 and Lakeland Drive at Mississippi Agriculture and Forestry Museum.

Owner: Mississippi Department of Agriculture.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 275 ft.

DATUM.--Land-surface datum is 290 ft above sea level (from topographic map).

Measuring point: Top of 4-inch well seal, 0.8 ft above land-surface datum.

PERIOD OF RECORD.--April 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 135.14 ft below land-surface datum, Apr. 26, 1994, lowest measured, 141.89 ft below land-surface datum, Sept. 28, 1998.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	141.10	DEC 16	141.03	FEB 24	140.84	APR 23	140.94	JUN 24	142.00	---	---
NOV 17	141.27	JAN 29	140.76	MAR 24	140.89	MAY 26	141.74	JUL 15	141.44	SEP 28	141.89

HINDS COUNTY--Continued

321445090160001. Local number, M094.

LOCATION.--Lat 32°14'52", long 90°15'59", in SW1/4 NE1/4 sec. 26, T.5 N., R.1 W., Choctaw Meridian, Hinds County.

Hydrologic Unit 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, 314.69 ft below land-surface datum Mar. 22, 1996.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	296.85	DEC 16	294.19	FEB 24	292.36	APR 23	291.84	JUN 24	297.95	---	---
NOV 17	298.58	JAN 29	292.33	MAR 24	291.90	MAY 26	295.04	JUL 15	298.34	SEP 28	303.37

321423090180201. Local number, M112.

LOCATION.--Lat 32°14'25", long 90°18'01", in SW1/4 SE1/4 sec. 28, T.5 N., R.1 W., Choctaw Meridian, Hinds County.

Hydrologic Unit 08060202, on Siwell Road next to fire station in south Jackson.

Owner: City of Jackson.

AQUIFER.--Sparta sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 16 in, depth 1,398 ft.

DATUM.--Land-surface datum is 330 ft above sea level (from topographic map).

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--October 1980, May 1993 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 250 ft below land-surface datum, Oct. 20, 1980, lowest measured, 292.11 ft below land-surface datum, Mar. 22, 1996.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	273.90	JAN 29	270.45	MAR 24	270.04	MAY 26	275.56	JUL 22	272.6	SEP 28	206.77
DEC 16	273.15	FEB 24	270.45	APR 23	269.16	---	---	---	---	---	---

321752090102601. Local number, N092.

LOCATION.--Lat 32°17'59", long 90°10'32", in SW1/4 SW1/4 sec.2, T.5 N., R.1 E., Choctaw Meridian, Hinds County.

Hydrologic Unit 03180002, southeast corner of Mississippi State Fairgrounds off Jefferson Street.

Owner: Mississippi Fair Commission.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 260 ft.

DATUM.--Land-surface datum is 271 ft above sea level (from topographic map).

Measuring point: Top of 4-in casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--June 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 99.01 ft below land-surface datum, June 6, 1986, lowest measured 108.43 ft below land-surface datum, Sept. 29, 1998.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	107.84	DEC 16	107.74	FEB 24	107.30	APR 23	107.67	JUN 24	108.20	---	---
NOV 17	107.80	JAN 29	106.99	MAR 24	107.74	MAY 26	108.00	JUL 15	108.10	SEP 29	108.43

320554090173902. Local number, V033.

LOCATION.--Lat 32°04'30", long 90°54'33", in NW1/4 SW1/4 sec.15, T.3 N., R.1 W., Choctaw Meridian, Hinds County.

Hydrologic Unit 03180002, near intersection of Jackson Street and Raymond Street in Terry.

Owner: Town of Terry.

AQUIFER.--Sand of Forest Hill Formation of Oligocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in, depth 473 ft.

DATUM.--Land-surface datum is 286 ft above sea level (from topographic map).

Measuring point: Top of concrete base, 1.65 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--September 1959, September 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65 ft below land-surface datum, Sept. 1959, lowest measured, 184.19 ft below land-surface datum, Oct. 23, 1997.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	184.19	APR 2	171.79

JACKSON COUNTY

302454088493401. Local number, N048.

LOCATION.--Lat 30°24'55", long 88°49'34", 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 Perry 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.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--1928, April 1939, August 1958 to July 1963, July 1965 to April 1997 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.0 ft above land-surface datum, 1928, lowest measured, 109.64 ft below land-surface datum, Oct. 30, 1996.

GROUND-WATER LEVELS
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 April 1997 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.0 ft above land-surface datum, July 1, 1984, lowest measured, 4.6 ft above land-surface Oct. 31, 1996.

302439088493801. Local number, N566.

LOCATION.--Lat 30°24'40", 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 April 1997 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.03 ft below land-surface datum, June 5, 1995, lowest measured, 53.57 ft below land-surface Oct. 30, 1996.

302451088325901. Local number, P045.

LOCATION.--Lat 30°24'59", long 88°32'56", 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 April 1997 (discontinued).

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.

302244088325801. Local number, P068.

LOCATION.--Lat 30°22'44", long 88°32'56", 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 April 1997 (discontinued).

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.

302134088330803. Local number, P124.

LOCATION.--Lat 30°21'32", long 88°33'12", 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 Community Street east of Pascagoula Street.

Owner: City of Pascagoula.

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

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 801 ft, cased to 721 ft.

DATUM.--Land-surface datum is 10.50 ft above 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 April 1997 (discontinued).

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.

302042088331801. Local number, P134.

LOCATION.--Lat 30°20'41", long 88°33'19", 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 April 1997 (discontinued).

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.

30253508303501. Local number, Q025.

LOCATION.--Lat 30°25'35", long 88°30'39", 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 April 1997 (discontinued).

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.

302126088293801. Local number, Q112.

LOCATION.--Lat 30°21'24", long 88°29'39", 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 April 1997 (discontinued).

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.

JACKSON COUNTY--Continued

302103088294701. Local number, Q403.

LOCATION.--Lat 30°20'49", long 88°29'51", 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 April 1997 (discontinued).

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.

302253088302401. Local number, Q407.

LOCATION.--Lat 30°22'45", long 88°30'26", 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 April 1997 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 78.95 ft below land-surface datum, Nov. 29, 1995, lowest measured, 146.93 ft below land-surface datum, Oct. 4, 1978.

302141088313101. Local number, Q424.

LOCATION.--Lat 30°21'43", 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 April 1997 (discontinued).

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.

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 April 1998 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 163.43 ft below land-surface datum, Aug. 18, 1955, lowest measured, 223.90 ft below land-surface datum, Oct. 28, 1996.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	223.87	APR 2	223.89

322415090085001. Local number, V029.

LOCATION.--Lat 32°24'22", long 90°09'45", in NW1/4 SE1/4 sec.35, T.7 N., R.1 E., Choctaw Meridian, Madison County.
Hydrologic Unit 03180002, 0.1 mi west of center of Tougaloo at Tougaloo College.

Owner: Tougaloo College.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled institutional use artesian well, diameter 12 in, depth 831 ft.

DATUM.--Land-surface datum is 355 ft above sea level (from topographic map).

Measuring point: 3/4-in air vent, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--June 1969, July 1992 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 233 ft below land-surface datum, June 1969, lowest measured, 309.19 ft below land-surface datum, Sept. 19, 1998.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	300.48	DEC 16	296.20	FEB 24	294.75	APR 23	293.59	JUN 24	302.20	SEP 19	309.19
NOV 17	298.17	JAN 29	295.01	MAR 24	293.69	MAY 26	293.30	JUL 15	303.50		

322627090062401. Local number, W005.

LOCATION.--Lat 32°26'27", long 90°06'24", in NE1/4 NE1/4 sec.20, T.7 N., R.2 E., Choctaw Meridian, Madison County.
Hydrologic Unit 03180002, 1 mi southeast of center of Madison near Bruce Campbell Airport.

Owner: Willard F. Bond Home.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 500 ft.

DATUM.--Land-surface datum is 320 ft above sea level (from topographic map).

Measuring point: Top of concrete base 0.50 ft or hole in plate on well head (since Apr. 24, 1961) at land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--January 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 112.88 ft below land-surface datum, Apr. 12, 1957, lowest measured, 195.92 ft below land-surface datum, Sept. 27, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	193.47	APR 2	181.44

MADISON COUNTY--Continued

322528090080401. Local number, W036.

LOCATION.--Lat 32°25'28", long 90°08'04", in NE1/4 NW1/4 sec.30, T.7 N., R.2 E., Choctaw Meridian, Madison County. Hydrologic Unit 03180002, near US Highway 51 and Natchez Trace in Ridgeland.

Owner: City of Ridgeland.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused public supply artesian well, diameter 10 in, depth 690 ft.

DATUM.--Land-surface datum is 360 ft above sea level (from topographic map).

Measuring point: Air vent at pump base, 2.00 ft above land-surface datum.

REMARKS.--Water level affected by limited time pump off.

PERIOD OF RECORD.--October 1963, April 1995 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 167 ft below land-surface datum, Oct. 14, 1963, lowest measured, 241.70 ft below land-surface datum, Oct. 25, 1995.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	240.68	APR 2	229.74

322514090080901. Local number, W069.

LOCATION.--Lat 32°25'13", long 90°08'10", in NE1/4 SW1/4 sec.30, T.7 N., R.2 E., Choctaw Meridian, Madison County. Hydrologic Unit 03180002, 0.5 mi south of Natchez Trace, west side of U.S. Highway 51 at Ridgeland.

Owner: City of Ridgeland.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-inch, depth 1161 ft.

DATUM.--Land-surface datum is 350 ft above sea level (from topographic map).

Measuring point: 34-inch air vent, 1.70 ft above land-surface datum.

REMARKS.--Water levels affected by the length of pumping time prior to recovery and measurement.

PERIOD OF RECORD.--December 1986, September 1994 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 258 ft below land-surface datum, Dec. 30, 1986, lowest measured, 311.80 ft below land-surface datum, Sept. 29, 1998.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	306.43	DEC 16	298.44	FEB 24	300.47	APR 23	295.90	JUN 24	315.13	---	---
NOV 17	302.35	JAN 29	300.40	MAR 24	299.50	MAY 27	303.95	JUL 15	305.10	SEP 29	311.80

322702090082301. Local number, W074.

LOCATION.--Lat 32°27'02", long 90°08'23", in SW1/4 NW1/4 sec.18, T.7 N., R.2 E., Choctaw Meridian, Madison County. Hydrologic Unit 03180002, 0.75 mi southwest of center of Madison.

Owner: City of Madison.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 1380 ft.

DATUM.--Land-surface datum is 379 ft above sea level (from topographic map).

Measuring point: Vent pipe at pump base, 1.10 ft above land-surface datum.

REMARKS.--Water level affected by limited time pump off.

PERIOD OF RECORD.--November 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 290.42 ft below land-surface datum, Dec. 22, 1987, lowest measured, 327.19 below land-surface datum, Oct. 23, 1997.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	327.19	APR 2	322.91

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, 211.44 ft below land-surface datum, Jun. 27, 1996.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	206.68	APR 2	206.01

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 October 1997 (discontinued).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 200.34 ft below land-surface datum, Nov. 20, 1995, lowest measured, 222.50 ft below land-surface datum, July 25, 1996.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	WATER LEVEL
OCT 14	209.97

RANKIN COUNTY--Continued

321735090022201. Local number, K067.

LOCATION.--Lat 32°17'37", long 90°08'42", in SE1/4 NE1/4 sec. 12, T.5 N., R.1 E., Choctaw Meridian, Rankin County.

Hydrologic Unit 03180002, 1 mi north of U.S. Highway 80 on State Highway 468 at Payne Drive in Flowood.

Owner: City of Flowood.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused public supply well, diameter 4 in, depth 714 ft.

DATUM.--Land-surface datum is 266 ft above sea level.

Measuring point: Top of 4-in casing, 3.05 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--November 1958, February 1996 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 117.95 ft below land-surface datum Nov. 1958, lowest measured 216.84 ft below land-surface datum, Sept. 20, 1996.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	219.73	APR 2	215.15

321423090045501. Local number, K073.

LOCATION.--Lat 32°14'26", long 90°04'47", in SW1/4 SE1/4 sec. 27, T.5 N., R.2 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, near intersection of State Highway 468 and Airport Road at Whitfield.

Owner: Department of Mental Health, Hudspeth Center.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10-in casing, 4-in screen, depth 789 ft.

DATUM.--Land-surface datum is 305 ft above sea level.

Measuring point: Top of 10-in casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--Miscellaneous water-level measurements June 1961, September 1998 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 133 ft below land-surface datum, Jun. 9, 1961, lowest measured, 196.13 ft below land-surface datum Sept. 29, 1998.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	WATER LEVEL
SEP 29	196.13

Aquifer names corresponding to geologic units listed in the QUALITY OF GROUND WATER table are given below.

Geologic Unit	Aquifer Name
110ALVM	Quaternary alluvium, Quaternary
110TRCS	Undifferentiated terrace deposits, Quaternary
111ALVM	Holocene alluvium, Holocene
111TRCS	Undifferentiated terrace deposits, Holocene
112MRVA	Mississippi River alluvial aquifer, Pleistocene
112TRCS	Undifferentiated terrace deposits, Pleistocene
121CRNL	Citronelle Formation, Pliocene
121GRMF	Graham Ferry Formation, Pliocene
122PCGL	Pascagoula Formation, Miocene
122HBRG	Hattiesburg Formation, Miocene
122MOCN	Miocene Series, Miocene
122CTHL	Catahoula Formation, Miocene
122CTHLU	Upper Catahoula Formation, Miocene
122CTHLM	Middle Catahoula Formation, Miocene
122CTHLL	Lower Catahoula Formation, Miocene
123WSBR	Waynesboro Sand Lentil (informal usage) of Byram Formation, Oligocene
123CCKS	Chickasawhay Limestone, Oligocene
123VKBG	Vicksburg Group, Oligocene
123MSPG	Mint Spring Marl member of Marianna Limestone, Oligocene
123FRHL	Forest Hill Sand, Oligocene
124MDBC	Moodys Branch Formation, Eocene
124CCKF	Cockfield Formation, Eocene
124SPRT	Sparta Sand, Eocene
124TLTL	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

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

BOLIVAR COUNTY

335429090415001 B126 SAMPSON WILLIAMS

DATE	TIME	GEO-LOGIC UNIT	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)	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)
JUN 04...	1000	112MRVA	150.00	25	47	4040	.10	4040	699	6.9	23.5	26
DATE	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L) (00925)	SODIUM, DIS-SOLVED (MG/L) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L) (00935)	BICAR-BONATE WATER DIS IT (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	SULFIDE TOTAL (MG/L AS S) (00745)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
JUN 04...	755	.1	87	24	13	4.4	421	345	.0	18	6.4	.30
DATE	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	SILICA, DIS-SOLVED (MG/L AS) (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) (00623)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON FERROUS UNFLTRD (UG/L) (99032)			
JUN 04...		.066	45	444	.038	.057	1.01	1.1	.530	15500	>3000	
DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)			
JUN 04...		3.4	<1.0	1	535	<1.0	<1.0	5.3	<1.0	<1.0		
DATE	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	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)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)				
JUN 04...		<1.0	571	1.1	<1.0	<1	<1.0	2.6	<1.0			
DATE	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	RADON 222 TOTAL (PCI/L) (82303)	RN-222 2 SIGMA WATER, WHOLE, TOTAL (PCI/L) (76002)	TRITIUM WHOLE, TOTAL (PCI/L) (07000)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL (PCI/L) (75985)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	ACETO-CHLOR, WATER, FLTRD REC (49260)	ALA-CHLOR, WATER, DISS, REC (46342)	METO-LACHLOR, WATER, FLTRD REC (39415)	NAPROP-AMIDE WATER, FLTRD GF, REC (82684)	PRON-AMIDE WATER, FLTRD GF, REC (82676)
JUN 04...	-26.6	-4.88	203	19	15	1.3	3.0	<.0020	<.002	<.002	<.0030	<.0030
DATE	PROP-CHLOR, WATER, DISS, REC (04024)	PRO-PANIL WATER, FLTRD, 0.7 U GF, REC (82679)	ALDI-CARB, WATER, FLTRD, 0.7 U GF, REC (49312)	ALDI-CARB, SULFONE, WAT, FLT, 0.7 U GF, REC (49313)	ALDICA-RB SUL-FOXIDE, WAT, FLT, 0.7 U GF, REC (49314)	BUTYL-ATE, WATER, DISS, REC (04028)	CAR-BARYL, WATER, FLTRD, 0.7 U GF, REC (49310)	CAR-BARYL, WATER, FLTRD, 0.7 U GF, REC (82680)	CARBO-FURAN, WATER, FLTRD, 0.7 U GF, REC (49309)	CARBO-FURAN, WATER, FLTRD, 0.7 U GF, REC (82674)	3HYDRXY CARBO-FURAN, WAT, FLT, 0.7 U GF, REC (49308)	EPTC WATER, FLTRD, 0.7 U GF, REC (82668)
JUN 04...	<.0070	<.0040	<.550	<.100	<.0210	<.0020	<.0080	<.0030	<.120	<.0030	<.0140	<.0020
DATE	METHIO-CARB, WATER, FLTRD, 0.7 U GF, REC (38501)	METH-OMYL, WATER, FLTRD, 0.7 U GF, REC (49296)	MOL-INATE, WATER, FLTRD, 0.7 U GF, REC (82671)	OXAMYL, WATER, FLTRD, 0.7 U GF, REC (38866)	PEB-ULATE, WATER, FLTRD, 0.7 U GF, REC (82669)	PRO-PHAM, WATER, FLTRD, 0.7 U GF, REC (49236)	PRO-POKUR, WATER, FLTRD, 0.7 U GF, REC (38538)	THIO-BENCARB, WATER, FLTRD, 0.7 U GF, REC (82681)	TRIAL-LATE, WATER, FLTRD, 0.7 U GF, REC (82678)	2,4-D, DIS-SOLVED (UG/L) (39732)	DICHLOR PROP, WATER, FLTRD, 0.7 U GF, REC (49302)	2,4-DB WATER, FLTRD, 0.7 U GF, REC (38746)
JUN 04...	<.0260	<.0170	<.0040	<.0180	<.0040	<.0350	<.0350	<.0020	<.0010	<.150	<.0320	<.0350
DATE	MCPA, WATER, FLTRD, 0.7 U GF, REC (38482)	MCPB, WATER, FLTRD, 0.7 U GF, REC (38487)	SILVEX, DIS-SOLVED (UG/L) (39762)	2,4,5-T DIS-SOLVED (UG/L) (39742)	TRI-CLOPYR, WATER, FLTRD, 0.7 U GF, REC (49235)	BEN-FLUR-ALIN, WAT FLD, 0.7 U GF, REC (82673)	ETHAL-FLUR-ALIN, WAT FLT, 0.7 U GF, REC (82663)	ORY-ZALIN, WATER, FLTRD, 0.7 U GF, REC (49292)	PENDI-METH-ALIN, WAT FLT, 0.7 U GF, REC (82683)	TRI-FLUR-ALIN, WAT FLT, 0.7 U GF, REC (82661)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	CHLORO-THALO-NIL, WAT, FLT, 0.7 U GF, REC (49306)
JUN 04...	<.170	<.140	<.0210	<.0350	<.250	<.0020	<.0040	<.310	<.0040	<.0020	<.0020	<.480

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

BOLIVAR COUNTY--Continued

335429090415001 B126 SAMPSON WILLIAMS--Continued

DATE	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DACHTAL MONO- ACID, WAT. FLT GF 0.7U REC (UG/L) (49304)	P,P' DDE DISSOLV (UG/L) (34653)	DICHLOR- BENIL, WATER, FLTRD GF 0.7U REC (UG/L) (49303)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	LINDANE DIS- SOLVED (UG/L) (39341)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)
JUN 04...	<.0020	<.0170	<.0060	<1.20	<.001	<.004	<.0010	<.0040	<.002	<.0170	<.0030	<.0030
DATE	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL PARA- THION WAT FLT GF, REC (UG/L) (82667)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	METRI- BUZIN WATER, DISS, REC (UG/L) (82630)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)
JUN 04...	<.005	<.0060	<.004	<.0020	<.0130	<.0050	<.001	<.0020	<.0040	<.004	<.0180	<.0050
DATE	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	TER- BACIL WATER, FLTRD 0.7 U GF, REC (UG/L) (82665)	FEN- URON, WATER, FLTRD 0.7U GF, REC (UG/L) (49297)	DIURON, WATER, FLTRD 0.7U GF, REC (UG/L) (49300)	FLUO- METURON WATER, FLTRD 0.7U GF, REC (UG/L) (38811)	LINURON WATER, FLTRD 0.7U GF, REC (UG/L) (38478)	LIN- URON WATER, FLTRD 0.7 U GF, REC (UG/L) (82666)	NEB- URON, WATER, FLTRD 0.7U GF, REC (UG/L) (49294)	TEBU- THIURON WATER, FLTRD 0.7 U GF, REC (UG/L) (82670)	ACIFL- UORFEN WATER, FLTRD 0.7U GF, REC (UG/L) (49315)	BENTA- ZON, WATER, FLTRD 0.7U GF, REC (UG/L) (38711)	BRO- MOXYNIL WATER, FLTRD 0.7U GF, REC (UG/L) (49311)
JUN 04...	<.0350	<.0070	<.0130	<.0200	<.0350	<.0180	<.0020	<.0150	<.0100	<.0350	<.0140	<.0350
DATE	CHLOR- AMBEN, WATER, FLTRD GF 0.7U REC (UG/L) (49307)	CLOPYR- ALID, WATER, FLTRD GF 0.7U REC (UG/L) (49305)	DICAMBA WATER, FLTRD GF 0.7U REC (UG/L) (38442)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DINOSEB WATER, FLTRD GF 0.7U REC (UG/L) (49301)	DNOC WAT, FLT GF 0.7U REC (UG/L) (49299)	NORFLUR AZON, WATER, FLTRD GF 0.7U REC (UG/L) (49293)	PIC- LORAM, WATER, FLTRD GF 0.7U REC (UG/L) (49291)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	1,2- DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)	CHLORO- ETHANE TOTAL (UG/L) (34311)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)
JUN 04...	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130	<.072	<.240	<.132
DATE	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	ETHANE, 1,1,2,2 TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	ETHA- HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHANE CHLORO- WAT UNFLTRD REC (UG/L) (77297)	BROMO- DI- CHLORO- METHANE TOTAL (UG/L) (32101)	BROMO- METHANE WHOLE RECOVER (UG/L) (30217)	BROMO- FORM TOTAL (UG/L) (32104)
JUN 04...	<.268	<.064	<.128	<.064	<.088	<.264	<.724	<.296	<.088	<.096	<.100	<.208
DATE	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	METHYL ENE CHLO- RIDE TOTAL (UG/L) (34423)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	CHLORO- FORM TOTAL (UG/L) (32106)	TRI- CHLORO- CHLO- METHANE TOTAL (UG/L) (34488)	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT. REC (UG/L) (82625)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)	1,3-DI- CHLORO- PROPANE WAT. WH TOTAL (UG/L) (77173)	2,2-DI- CHLORO- PRO- PANE WAT, WH TOTAL (UG/L) (77170)
JUN 04...	<.508	<.364	<.764	<.192	<.104	<.184	<.176	<.152	<.428	<.136	<.232	<.156
DATE	123-TRI CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	2BUTENE TRANS-1 4-DI- CHLORO- UNFLTRD RECOVER (UG/L) (73547)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)	PROPENE 3- CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	1,1-DI- CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)
JUN 04...	<.140	<.284	<1.38	<.200	<.224	<.088	<.076	<.064	<.076	<.076	<.392	<.052
DATE	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	ETHYL- BENZENE TOTAL (UG/L) (34371)	TOLUENE TOTAL (UG/L) (34010)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	BENZENE 123-TRI METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)	BENZENE 124-TRI METHYL UNFLTRD RECOVER (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)
JUN 04...	<.184	<.268	<.372	<.096	<.192	<.060	<.076	<.128	<.128	<.248	E.049	<.088

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

BOLIVAR COUNTY--Continued

335429090415001 B126 SAMPSON WILLIAMS--Continued

	PREH- NITENE WATER UNFLTRD RECOVER (UG/L) (49999)	ISO- DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (UG/L) (77356)						
DATE	BENZENE TOTAL (UG/L) (34030)	NAPHTH- ALENE TOTAL (UG/L) (34696)	STYRENE TOTAL (UG/L) (77128)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT- BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)						
JUN 04...	<.460	<.480	<.064	<.084	<.200	<.220	<.064	<.500	<.084	<9.81	<.340	<.108
DATE	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	ETHER TERT- PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	DI-ISO- PROPYL- ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	2-HEXA- NONE WATER WHOLE TOTAL (UG/L) (77103)	METHYL ISO- BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	CHLORO- BENZENE TOTAL (UG/L) (34301)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	
JUN 04...	<.224	<.224	<.196	E3.58	<1.49	<.748	<3.30	<.072	<.056	<.096	<.108	
DATE	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	CARBON DI- SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	METHAC- RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	METHYL ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METH- ACRYLO- NITRITE WATER UNFLTRD RECOVER (UG/L) (81593)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	ACRYLO- NITRILE TOTAL (UG/L) (34215)	
JUN 04...	<.100	<.532	<.376	<.084	<.112	<.160	<.556	<1.22	<1.14	<.700	<2.45	

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

BOLIVAR COUNTY--Continued

335226091004201 F162 HILLIARD LAWLER

						PUMP							
DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	OR FLOW PERIOD PRIOR TO SAMPLING (MIN) (72004)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)	SAM-PLING METHOD, CODES (82398)	SPE-CIFIC CON-DUCTANCE (US/CM) (00095)			
JUN 25...	1000	112MRVA	116.00	100	30	47	4040	.10	4040	593			
DATE		PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	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)			
JUN 25...	7.2	19.0	.32	761	<.1	77	25	7.6	2.1				
DATE		BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CAC03) (39086)	SULFIDE TOTAL (MG/L AS S) (00745)	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)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)			
JUN 25...	378	310	.0	1.2	2.7	.23	.058	26	335				
DATE		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 DIS-SOLVED (MG/L AS N) (00623)	PHOS-PHORUS, ORTHO DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS, ORTHO DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON FERROUS UNFLTRD (UG/L) (99032)				
JUN 25...	<.010	<.050	.235	.26	.717	.025	6200	3900					
DATE		ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)			
JUN 25...	3.1	<1.0	4	330	<1.0	<1.0	2.7	<1.0	<1.0				
DATE		LEAD, DIS-SOLVED (UG/L AS PB) (01049)	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)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)				
JUN 25...	<1.0	588	<1.0	<1.0	<1	<1.0	2.0	<1.0					
DATE		H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	RN-222 222 WHOLE, TOTAL (PCI/L) (82303)	TRITIUM WHOLE, TOTAL (PCI/L) (76002)	TRITIUM 2 SIGMA WATER, SOLVED (PCI/L) (07000)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (75985)	ACETO-CHLOR, WATER, FLTRD REC (00681)	ALA-CHLOR, WATER, FLTRD, DISS, REC (49260)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (46342)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (39415)		
JUN 25...	-26.2	-4.76	242	20	6.7	1.0	1.7	<.0020	<.002	<.002	<.0030	<.0030	
DATE		PROP-CHLOR, WATER, DISS, REC (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (82679)	ALDI-CARB, WATER, FLTRD, GF 0.7U (49312)	ALDI-CARB, SULFONE WAT, FLT GF 0.7U (49313)	ALDICA-RB SUL-FOXIDE, WAT, FLT GF 0.7U (49314)	BUTYL-ATE, WATER, DISS, REC (04028)	CAR-BARYL, WATER, FLTRD, GF 0.7U (49310)	CAR-BARYL, WATER, FLTRD, GF 0.7U (82680)	CARBO-FURAN, WATER, FLTRD, GF 0.7U (49309)	CARBO-FURAN, WATER, FLTRD, GF 0.7U (82674)	3HYDRXY CARBO-FURAN WAT, FLT GF 0.7U (49308)	EPTC WATER FLTRD 0.7 U GF, REC (82668)
JUN 25...	<.0070	<.0040	<.550	<.100	<.0210	<.0020	<.0080	<.0030	<.120	<.0030	<.0140	<.0020	
DATE		METHIO-CARB, WATER, FLTRD, GF 0.7U (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U (49296)	MOL-INATE, WATER, FLTRD, GF 0.7U (82671)	OXAMYL, WATER, FLTRD, GF 0.7U (38866)	PEB-ULATE, WATER, FLTRD, GF 0.7U (82669)	PRO-PHAM, WATER, FLTRD, GF 0.7U (49236)	PRO-POXUR, WATER, FLTRD, GF 0.7U (38538)	THIO-BENCARB, WATER, FLTRD, GF 0.7U (82681)	TRIAL-LATE, WATER, FLTRD, GF 0.7U (82678)	2,4-D, DIS-SOLVED (UG/L) (39732)	DICHLOR PROP, WATER, FLTRD, GF 0.7U (49302)	2,4-DB WATER, FLTRD, GF 0.7U (38746)
JUN 25...	<.0260	<.0170	<.0040	<.0180	<.0040	<.0350	<.0350	<.0020	<.0010	<.150	<.0320	<.780	

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

BOLIVAR COUNTY--Continued

335226091004201 F162 HILLIARD LAWLER--Continued

DATE	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	SILVEX, DIS- SOLVED (UG/L) (39762)	2,4,5-T DIS- SOLVED (UG/L) (39742)	TRI- CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	BEN- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82673)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ORY- ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	CHLORO- THALO- NIL, WAT FLT GF 0.7U REC (UG/L) (49306)
JUN 25...	<.170	<.140	<.0210	<.0350	<.250	<.0020	<.0040	<.310	<.0040	<.0020	<.0020	<.480
DATE	DCPA WATER, FLTRD, 0.7 U GF, REC (UG/L) (82682)	DACTHAL MONO- ACID, WAT FLT 0.7 U REC (UG/L) (49304)	P,P' DDE DISSOLV (UG/L) (34653)	DICHLOR- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	LINDANE DIS- SOLVED (UG/L) (39341)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DISUL- FOTON WATER, FLTRD, 0.7 U GF, REC (UG/L) (82677)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	PHONOFOS WATER DISS REC (UG/L) (04095)
JUN 25...	<.0020	<.0170	<.0060	<1.20	<.001	<.004	<.0010	<.0040	<.002	<.0170	<.0030	<.0030
DATE	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	METRI- BUZIN SENSOR WATER DISSOLV (UG/L) (82630)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)
JUN 25...	<.005	<.0060	<.004	<.0020	<.0130	<.0050	<.001	<.0020	<.0040	<.004	<.0180	<.0050
DATE	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	TER- BACIL WATER, FLTRD, 0.7 U GF, REC (UG/L) (82665)	FEN- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	LIN- URON WATER, FLTRD, 0.7 U GF, REC (UG/L) (82666)	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	TEBU- THIURON WATER, FLTRD, 0.7 U GF, REC (UG/L) (82670)	ACIFL- UORFEN WATER, FLTRD, 0.7 U GF, REC (UG/L) (49315)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)
JUN 25...	<.0350	<.0070	<.0130	<.0200	<.0350	<.0180	<.0020	<.0150	<.0100	<.0350	<.0140	<.0350
DATE	CHLOR- AMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DNOC WAT FLT GF 0.7U REC (UG/L) (49299)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	1,2- DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)	CHLORO- ETHANE TOTAL (UG/L) (34311)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)
JUN 25...	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130	<.036	<.120	<.066
DATE	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	FREON- 113 WATER UNPLTRD REC (UG/L) (77652)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	ETHANE, 1,1,2,2- TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	ETHANE HEXA- CHLORO- WATER UNPLTRD RECOVER (UG/L) (34396)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHANE BROMO- CHLORO- WAT UNPLTRD REC (UG/L) (77297)	BROMO- DI- CHLORO- METHANE TOTAL (UG/L) (32101)	DI- BROMO- METHANE WATER WHOLE RECOVER (UG/L) (30217)	BROMO- FORM TOTAL (UG/L) (32104)
JUN 25...	<.134	<.032	<.064	<.032	<.044	<.132	<.362	<.148	<.044	<.048	<.050	<.104
DATE	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	METHYL CHLO- RIDE TOTAL (UG/L) (34423)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	TRI- CHLORO- FLUORO- FORM TOTAL (UG/L) (32106)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	METHYL IODIDE WATER UNPLTRD RECOVER (UG/L) (77424)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT REC (UG/L) (82625)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)	1,3-DI- CHLORO- PROPANE WAT WH TOTAL (UG/L) (77173)	2,2-DI- CHLORO- PRO- PANE WAT, WH TOTAL (UG/L) (77170)
JUN 25...	<.254	<.182	<.382	<.138	<.052	<.092	<.088	<.208	<.214	<.068	<.116	<.078
DATE	123-TRI CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	2BUTENE TRANS-1 4-DI- CHLORO UNPLTRD RECOVER (UG/L) (73547)	BROMO- ETHENE WATER UNPLTRD RECOVER (UG/L) (50002)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	CIS-1,2 DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)	PROPENE 3- CHLORO- WATER UNPLTRD RECOVER (UG/L) (78109)	1,1-DI- CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)
JUN 25...	<.162	<.142	<.692	<.100	<.112	<.044	<.038	<.032	<.038	<.102	<.196	<.026

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

BOLIVAR COUNTY--Continued

335226091004201 F162 HILLIARD LAWLER--Continued

DATE	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	ETHYL- BENZENE TOTAL (UG/L) (34371)	TOLUENE TOTAL (UG/L) (34010)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	BENZENE 123-TRI METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)	BENZENE 124-TRI METHYL UNFLTRD RECOVER (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)
JUN 25...	<.092	<.134	<.186	<.048	<.096	<.030	<.054	<.064	<.064	<.124	E.034	<.044
DATE	PREH- NITENE WATER UNFLTRD RECOVER (UG/L) (49999)	ISO- DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (UG/L) (77356)	BENZENE TOTAL (UG/L) (34030)	NAPHTH- ALENE TOTAL (UG/L) (34696)	STYRENE TOTAL (UG/L) (77128)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT- BUTYL WATER UNFLTRD RECOVER (UG/L) (50004)
JUN 25...	<.230	<.240	<.032	<.042	.384	<.110	<.100	<.250	<.042	<4.90	<.170	<.054
DATE	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	ETHER TERT- PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	DI-ISO- PROPYL- ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	2-HEXA- NONE WATER WHOLE TOTAL (UG/L) (77103)	METHYL ISO- BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	CHLORO- BENZENE WATER UNFLTRD TOTAL (UG/L) (34301)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	
JUN 25...	<.166	<.112	<.098	<8.79	<.746	<.374	<1.65	<.036	<.028	<.048	<.054	
DATE	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	P-CHLOR SULFIDE WATER UNFLTRD REC (UG/L) (77277)	CARBON DI- SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	METHAC- RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	METHYL ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METH- ACRYLO- NITRILE WATER UNFLTRD RECOVER (UG/L) (81593)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	ACRYLO- NITRILE TOTAL (UG/L) (34215)	
JUN 25...	<.050	<.266	<.188	<.042	<.056	<.370	<.278	<1.36	<.570	<.350	<1.23	

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

COAHOMA COUNTY

341233090393601 H082 VERA JOHNSON

DATE	TIME	GEO-LOGIC UNIT	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)	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)
JUN 24...	1000	112MRVA	60.00	27	47	4040	.10	4040	512	7.1	17.5	1.4
DATE	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L AS CA) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY TOT IT FIELD (MG/L AS CACO3) (39086)	SULFIDE TOTAL (MG/L AS S) (00745)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
JUN 24...	764	<.1	62	18	10	3.2	299	245	.0	12	2.7	.32
DATE	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L AS) (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)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON FERROUS UNFLTRD (UG/L) (99032)	
JUN 24...	.070	42	305	<.010	<.050	.958	1.0	.267	.112	8400	6000	
DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)			
JUN 24...		2.9	<1.0	<1	251	<1.0	<1.0	2.5	<1.0	<1.0		
DATE	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	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)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)				
JUN 24...		<1.0	360	1.1	<1.0	<1	<1.0	130	<1.0			
DATE	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L) (09511)	RA-226 2 SIGMA WATER, DISS, TOTAL (PCI/L) (76001)	RADON 222 TOTAL, WHOLE, (PCI/L) (82303)	RN-222 2 SIGMA WATER, WHOLE, (PCI/L) (76002)	TRITIUM 2 SIGMA WATER, WHOLE, (PCI/L) (07000)	TRITIUM 2 SIGMA WATER, WHOLE, (PCI/L) (75985)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	ACETO-CHLOR, WATER, FLTRD, REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	METO-LACHLOR WATER DISSOLV FLTRD (UG/L) (39415)
JUN 24...	-26.0	-4.74	.26	.045	268	21	11	1.0	1.2	<.0020	<.002	<.002
DATE	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROP-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	ALDI-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ALDI-CARB, SULFONE WAT, FLT GF 0.7U REC (UG/L) (49313)	ALDICA-RB SUL-FOXIDE, WAT, FLT GF 0.7U REC (UG/L) (49314)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CAR-BARYL, WATER, FLTRD, GF 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CARBO-FURAN, WATER, FLTRD 0.7 U GF, REC (UG/L) (82674)
JUN 24...	<.0030	<.0030	<.0070	<.0040	<.550	<.100	<.0210	<.0020	<.0080	<.0030	<.120	<.0030
DATE	3HYDRXY CARBO-FURAN WAT, FLT GF 0.7U REC (UG/L) (49308)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	MOL-INATE, WATER, FLTRD, GF 0.7 U REC (UG/L) (82671)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PEB-ULATE, WATER, FLTRD, GF 0.7 U REC (UG/L) (82669)	PRO-AM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	THIO-BENCARB, WATER, FLTRD, GF 0.7 U REC (UG/L) (82681)	TRIAL-LATE, WATER, FLTRD, GF 0.7 U REC (UG/L) (82678)	2,4-D, DIS-SOLVED (UG/L) (39732)
JUN 24...	<.0140	<.0020	<.0260	<.0170	<.0040	<.0180	<.0040	<.0350	<.0350	<.0020	<.0010	<.150
DATE	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	SILVEX, DIS-SOLVED (UG/L) (39762)	2,4,5-T DIS-SOLVED (UG/L) (39742)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	BEN-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82673)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
JUN 24...	<.0320	<.720	<.170	<.140	<.0210	<.0350	<.250	<.0020	<.0040	<.310	<.0040	<.0020

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

COAHOMA COUNTY--Continued

341233090393601 H082 VERA JOHNSON--Continued

DATE	ALPHA BHC DIS- SOLVED (UG/L) (34253)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	DCPA WATER FLTRD GF 0.7U GF, REC (UG/L) (82682)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	P,P' DDE DISSOLV (UG/L) (34653)	DICHLORO- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	LINDANE DIS- SOLVED (UG/L) (39341)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)
JUN 24...	<.0020	<.480	<.0020	<.0170	<.0060	<1.20	<.001	<.004	<.0010	<.0040	<.002	<.0170
DATE	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOPOS WATER DISS REC (UG/L) (04095)	MALA- THION, WAT FLT DIS- SOLVED (UG/L) (39532)	METHYL PARA- THION WAT FLT GF, REC (UG/L) (82667)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PHORATE WATER, FLTRD, 0.7 U GF, REC (UG/L) (82664)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PER- METHRIN WAT FLT 0.7 U GF, REC (UG/L) (82687)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	METRI- BUZIN WATER FLTRD 0.7 U GF, REC (UG/L) (82630)
JUN 24...	<.0030	<.0030	<.005	<.0060	<.004	<.0020	<.0130	<.0050	<.001	<.0020	<.0040	<.004
DATE	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	FEN- URON, WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49297)	DIURON, WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49300)	FLUO- METURON WATER, FLTRD, GF 0.7U GF, REC (UG/L) (38811)	LINURON WATER, FLTRD, GF 0.7U GF, REC (UG/L) (38478)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	NEB- URON, WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49294)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49315)
JUN 24...	<.0180	<.0050	<.0350	<.0070	<.0130	<.0200	<.0350	<.0180	<.0020	<.0150	<.0100	<.0350
DATE	BENTA- ZON, WATER, FLTRD, GF 0.7U GF, REC (UG/L) (38711)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49311)	CHLOR- AMBEN, WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49307)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49305)	DICAMBA WATER, FLTRD, GF 0.7U GF, REC (UG/L) (38442)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DINOSIB WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49301)	DNOC WAT,FLT GF 0.7U GF, REC (UG/L) (49299)	NORFLUR AZON, WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49293)	PIC- LORAM, WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49291)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	1,2- DIBROMO ETHANE WATER FLTRD 0.7 U GF, REC (UG/L) (77651)
JUN 24...	<.0140	<.0350	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130	<.144
DATE	CHLORO- ETHANE TOTAL (UG/L) (34311)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	PREON- 113 WATER UNFLTRD REC (UG/L) (77652)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77652)	ETHANE, 1,1,2,2- TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHANE CHLORO- WAT UNFLTRD REC (UG/L) (77297)	BROMO- DI- CHLORO- METHANE TOTAL (UG/L) (32101)
JUN 24...	<.480	<.264	<.536	<.128	<.256	<.128	<.176	<.528	<1.45	<.592	<.176	<.192
DATE	DI- BROMO- METHANE WATER WHOLE RECOVER (UG/L) (30217)	BROMO- FORM TOTAL (UG/L) (32104)	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	METHYL ENE CHLO- RIDE TOTAL (UG/L) (34423)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	CHLORO- FORM TOTAL (UG/L) (32106)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT. REC (UG/L) (82625)	1,2-DI- CHLORO- PROPANE WATER WHOLE TOT. REC (UG/L) (34541)
JUN 24...	<.200	<.416	<1.02	<.728	<1.53	<.384	<.208	<.368	<.352	<.304	<.856	<.272
DATE	1,3-DI- CHLORO- PROPANE WAT. WH TOTAL (UG/L) (77173)	2,2-DI- CHLORO- PRO- PANE WAT, WH TOTAL (UG/L) (77170)	123-TRI- CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	2BUTENE TRANS-1 4-DI- CHLORO UNFLTRD RECOVER (UG/L) (73547)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	CIS-1,2- DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)
JUN 24...	<.464	<.312	<.280	<.568	<2.77	<.400	<.448	<.176	<.152	<.128	<.152	<.152
DATE	PROPENE 3- CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	1,1-DI- CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	BENZENE N-BUTYL WATER UNFLTRD RECOVER (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLTRD RECOVER (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD RECOVER (UG/L) (77353)	ETHYL- BENZENE TOTAL (UG/L) (34371)	TOLUENE TOTAL (UG/L) (34010)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)	META/ PARA- XYLENE WATER UNFLTRD RECOVER (UG/L) (85795)	BENZENE 123-TRI- METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)
JUN 24...	<.784	<.104	<.368	<.536	<.744	<.192	<.384	<.120	<.152	<.256	<.256	<.496

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

COAHOMA COUNTY--Continued

341233090393601 H082 VERA JOHNSON--Continued

DATE	BENZENE 124-TRI METHYL UNFLTRD RECOVER (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)	PREH- NITENE WATER UNFLTRD RECOVER (UG/L) (49999)	ISO- DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (UG/L) (77356)	BENZENE TOTAL (UG/L) (34030)	NAPHTH- ALENE TOTAL (UG/L) (34696)	STYRENE TOTAL (UG/L) (77128)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)
JUN 24...	<.224	<.176	<.920	<.960	<.128	<.168	<.400	<.440	<.128	<1.00	<.168	<19.6
DATE	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT- BUTYL WATER UNFLTRD RECOVER (UG/L) (50004)	METHYL TERT- BUTYL WATER UNFLTRD REC (UG/L) (78032)	ETHER TERT- BUTYL WATER UNFLTRD RECOVER (UG/L) (50005)	DI-ISO- PROPYL- ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	2-HEXA- NONE WATER WHOLE TOTAL (UG/L) (77103)	METHYL ISO- BUTYL KETONE WAT. WH. TOTAL (UG/L) (78133)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	CHLORO- BENZENE UNFLTRD TOTAL (UG/L) (34301)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)
JUN 24...	<.680	<.216	<.448	<.448	<.392	<4.59	<2.98	<1.50	<6.60	<.144	<.112	<.192
DATE	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	1,2,3- TRI- CHLORO BENZENE WAT. WH REC (UG/L) (77613)	BENZENE 1,2,4- TRI- CHLORO WAT UNF REC (UG/L) (34551)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	CARBON DI- SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	METHAC- RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	METHYL ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METH- ACRYLO- NITRILE WATER UNFLTRD RECOVER (UG/L) (81593)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	ACRYLO- NITRILE TOTAL (UG/L) (34215)
JUN 24...	<.216	<.200	<1.06	<.752	<.168	<.224	<.320	<1.11	<2.45	<2.28	<1.40	<4.90

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998
COAHOMA COUNTY--Continued
340413090340301 N096 HOWARD HOLDEMAN

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	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)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM OF HG) (00025)
JUN 25...	1100	112MRVA	80.00	47	4040	.10	4040	586	7.1	17.0	.46	761
DATE	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CAC03 (39086)	SULFIDE TOTAL (MG/L AS S) (00745)	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)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)
JUN 25...	<.1	72	23	12	2.7	308	252	.0	32	8.7	.23	.096
DATE	SILICA, DIS-SOLVED (MG/L AS STO2) (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)	NITRO-GEN, ORTHO, DIS-SOLVED (MG/L AS P) (00623)	PHOS-PHORUS PHOS-OR, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON FERROUS WATER UNFLTDR (UG/L) (99032)		
JUN 25...		27	342	.010	<.050	.584	.52	1.04	.017	5200	1400	
DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)			
JUN 25...		3.2	<1.0	<1	370	<1.0	<1.0	2.6	<1.0	<1.0		
DATE	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	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)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)				
JUN 25...		<1.0	305	<1.0	<1.0	<1	<1.0	<1.0	<1.0	<1.0		
DATE	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	RADON 222 TOTAL (PCI/L) (82303)	RN-222 2 SIGMA WHOLE, TOTAL (PCI/L) (76002)	TRITIUM 2 SIGMA WHOLE, TOTAL (PCI/L) (07000)	TRITIUM 2 SIGMA WHOLE, TOTAL (PCI/L) (75985)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	ACETO-CHLOR, WATER, FLTRD, REC. (UG/L) (49260)	ALA-CHLOR, WATER, DISS, (UG/L) (46342)	METO-LACHLOR WATER, DISSOLV (UG/L) (39415)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (82684)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (82676)
JUN 25...	-27.1	-5.00	235	20	9.3	1.3	1.4	<.0020	<.002	<.002	<.0030	<.0030
DATE	PROP-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER, FLTRD, 0.7 U GF, REC (82679)	ALDI-CARB, WATER, FLTRD, 0.7 U GF, REC (49312)	ALDI-CARB SULFONE WAT, FLT REC (49313)	ALDICA-RB SUL-FOXIDE, WAT, FLT REC (49314)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL, WATER, FLTRD, 0.7 U GF, REC (49310)	CAR-BARYL, WATER, FLTRD, 0.7 U GF, REC (82680)	CARBO-FURAN, WATER, FLTRD, 0.7 U GF, REC (49309)	CARBO-FURAN, WATER, FLTRD, 0.7 U GF, REC (82674)	3HYDRXY CARBO-FURAN WAT, FLT REC (49308)	EPTC WATER FLTRD 0.7 U GF, REC (82668)
JUN 25...	<.0070	E.0028	<.550	<.100	<.0210	<.0020	<.0080	<.0030	<.120	<.0030	<.0140	<.0020
DATE	METHIO-CARB, WATER, FLTRD, GF 0.7U (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U (UG/L) (49296)	MOL-INATE, WATER, FLTRD, 0.7 U GF, REC (82671)	OXAMYL, WATER, FLTRD, GF 0.7U (UG/L) (38866)	PEB-ULATE, WATER, FLTRD, 0.7 U GF, REC (82669)	PRO-PHAM, WATER, FLTRD, GF 0.7U (UG/L) (49236)	PRO-POXUR, WATER, FLTRD, GF 0.7U (UG/L) (38538)	THIO-BENCARB, WATER, FLTRD, 0.7 U GF, REC (82681)	TRIAL-LATE, WATER, FLTRD, 0.7 U GF, REC (82678)	2,4-D, DIS-SOLVED (UG/L) (39732)	DICHLOR PROP, WATER, FLTRD, GF 0.7U (UG/L) (49302)	2,4-DB WATER, FLTRD, GF 0.7U (UG/L) (38746)
JUN 25...	<.0260	<.0170	.0138	<.0180	<.0040	<.0350	<.0350	<.0020	<.0010	<.150	<.0320	<.530
DATE	MCPA, WATER, FLTRD, GF 0.7U (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U (UG/L) (38487)	SILVEX, DIS-SOLVED (UG/L) (39762)	2,4,5-T DIS-SOLVED (UG/L) (39742)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U (UG/L) (49235)	BEN-FLUR-ALIN WAT FLD GF, REC (82673)	ETHAL-FLUR-ALIN WAT FLT GF, REC (82663)	ORY-ZALIN, WATER, FLTRD, GF 0.7U (UG/L) (49292)	PENDI-METH-ALIN WAT FLT GF, REC (82683)	TRI-FLUR-ALIN WAT FLT GF, REC (82661)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	CHLORO-THALO-NIL, WAT, FLT GF 0.7U (UG/L) (49306)
JUN 25...	<.170	<.140	<.0210	<.0350	<.250	<.0020	<.0040	<.310	<.0040	<.0020	<.0020	<.480

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

COAHOMA COUNTY--Continued

340413090340301 N096 HOWARD HOLDEMAN--Continued

DATE	DCPA WATER FLTRD 0.7 U GF, REC (82682)	DACHAL MONO- ACID, WAT, FLT GF 0.7 U REC (49304)	P,P' DDE DISSOLV (UG/L) (34653)	DICHLO- BENIL, WATER, PLTRD, GF 0.7 U REC (UG/L) (49303)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	LINDANE DIS- SOLVED (UG/L) (39341)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	PHONOS WATER DISS REC (UG/L) (04095)
JUN 25...	<.0020	<.0170	<.0060	<1.20	<.001	<.004	<.0010	<.0040	<.002	<.0170	<.0030	<.0030
DATE	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BUPOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	METRI- BUZIN WATER, DISS, WATER DISSOLV (UG/L) (82630)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)
JUN 25...	<.005	<.0060	<.004	<.0020	<.0130	<.0050	<.001	<.0020	<.0040	<.004	<.0180	<.0050
DATE	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	TER- BACIL WATER FLTRD, 0.7 U GF, REC (UG/L) (82665)	PEN- URON, WATER, FLTRD, GF 0.7 U GF 0.7 U REC (UG/L) (49297)	DIURON, WATER, FLTRD, GF 0.7 U GF 0.7 U REC (UG/L) (49300)	FLUO- METURON WATER, FLTRD, GF 0.7 U GF 0.7 U REC (UG/L) (38811)	LINURON WATER, FLTRD, GF 0.7 U GF 0.7 U REC (UG/L) (38478)	LIN- URON WATER FLTRD, 0.7 U GF, REC (UG/L) (82666)	NEB- URON, WATER, FLTRD, 0.7 U GF 0.7 U REC (UG/L) (49294)	TEBU- THIURON WATER FLTRD, 0.7 U GF, REC (UG/L) (82670)	ACIFL- UORFEN WATER, FLTRD, GF 0.7 U GF 0.7 U REC (UG/L) (49315)	BENTA- ZON, WATER, FLTRD, GF 0.7 U GF 0.7 U REC (UG/L) (38711)	BRO- MOXYNIL WATER, FLTRD, GF 0.7 U GF 0.7 U REC (UG/L) (49311)
JUN 25...	<.0350	<.0070	<.0130	<.0200	<.0350	<.0180	<.0020	<.0150	<.0100	<.0350	.0500	<.0350
DATE	CHLOR- AMEN, WATER, FLTRD, GF 0.7 U REC (UG/L) (49307)	CLOPYR- ALID, WATER, FLTRD, GF 0.7 U GF 0.7 U REC (UG/L) (49305)	DICAMBA WATER, FLTRD, GF 0.7 U GF 0.7 U REC (UG/L) (38442)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DINOSEB WATER, FLTRD, GF 0.7 U GF 0.7 U REC (UG/L) (49301)	DNOC WAT, FLT GF 0.7 U GF 0.7 U REC (UG/L) (49299)	NORFLUR AZON, WATER, FLTRD, GF 0.7 U GF 0.7 U REC (UG/L) (49293)	PIC- LORAM, WATER, FLTRD, GF 0.7 U GF 0.7 U REC (UG/L) (49291)	PRO- PARGITE WATER FLTRD, 0.7 U GF, REC (UG/L) (82685)	1,2- DIBROMO ETHANE WHOLE TOTAL (UG/L) (77651)	CHLORO- ETHANE TOTAL (UG/L) (34311)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)
JUN 25...	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130	<.036	<.120	<.066
DATE	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	ETHANE, 1,1,2,2 TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHANE CHLORO- WAT UNFLTRD REC (UG/L) (77297)	BROMO- DI- CHLORO- METHANE TOTAL (UG/L) (32101)	DI- BROMO- METHANE WATER WHOLE RECOVER (UG/L) (30217)	BROMO- FORM TOTAL (UG/L) (32104)
JUN 25...	<.134	<.032	<.064	<.032	<.044	<.132	<.362	<.148	<.044	<.048	<.050	<.104
DATE	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	METHYL ENE CHLO- RIDE TOTAL (UG/L) (34423)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	CHLORO- FORM TOTAL (UG/L) (32106)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	DIBROMO CHLORO- PROPANE WHOLE TOT.REC (UG/L) (82625)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)	1,3-DI- CHLORO- PROPANE WAT. WH TOTAL (UG/L) (77173)	2,2-DI- CHLORO- PRO- PANE WAT, WH TOTAL (UG/L) (77170)
JUN 25...	<.254	<.182	<.382	<.138	<.052	<.092	<.088	<.208	<.214	<.068	<.116	<.078
DATE	123-TRI CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	2BUTENE TRANS-1 4-DI- CHLORO UNFLTRD RECOVER (UG/L) (73547)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)	PROPENE 3- CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	1,1-DI- CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)
JUN 25...	<.162	<.142	<.692	<.100	<.112	<.044	<.038	<.032	<.038	<.102	<.196	<.026
DATE	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	ETHYL- BENZENE TOTAL (UG/L) (34371)	TOLUENE TOTAL (UG/L) (34010)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	BENZENE 123-TRI METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)	BENZENE 124-TRI METHYL UNFLTRD RECOVER (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)
JUN 25...	<.092	<.134	<.186	<.048	<.096	<.030	<.054	<.064	<.064	<.124	<.056	<.044

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

COAHOMA COUNTY--Continued

340413090340301 N096 HOWARD HOLDEMAN--Continued

	PREH-NITENE WATER UNFLTRD RECOVER (UG/L) (49999)	ISO-DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	ISO-PROPYL-BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	P-ISO-PROPYL-TOLUENE WATER WHOLE REC (UG/L) (77356)		NAPHTH-ALENE TOTAL (UG/L) (34696)	STYRENE TOTAL (UG/L) (77128)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT-BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)
JUN 25...	<.230	<.240	<.032	<.042	<.100	<.110	<.100	<.250	<.042	<4.90	<.170	<.054
DATE	METHYL-TERT-BUTYL ETHER WAT UNF REC (UG/L) (78032)	ETHER TERT-PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	DI-ISO-PROPYL-ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	FURAN, TETRA-HYDRO WATER UNFLTRD RECOVER (UG/L) (81607)	2-HEXA-NONE WATER WHOLE TOTAL (UG/L) (77103)	METHYL-ISO-BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)	METHYL-ETHYL-KETONE WATER WHOLE TOTAL (UG/L) (81595)	BROMO-BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	CHLORO-BENZENE TOTAL (UG/L) (34301)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	
JUN 25...	<.166	<.112	<.098	<8.79	<.746	<.374	<1.65	<.036	<.028	<.048	<.054	
DATE	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	1,2,3-TRI-CHLORO-BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 1,2,4-TRI-CHLORO-WAT UNF REC (UG/L) (34551)	O-CHLORO-TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	TOLUENE P-CHLOR SULFIDE WATER UNFLTRD REC (UG/L) (77277)	CARBON DI-SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	METHAC-RYLATE ETHYL-WATER UNFLTRD RECOVER (UG/L) (73570)	METHYL-ACRY-LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METH-ACRYLO-NITRITE WATER UNFLTRD RECOVER (UG/L) (81593)	METHAC-RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	ACRYLO-NITRILE TOTAL (UG/L) (34215)	
JUN 25...	<.050	<.266	<.188	<.042	<.056	<.370	<.278	<1.36	<.570	<.350	<1.23	

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

HARRISON COUNTY

303554089125401 B221 MIKE HOLBROOK

DATE	TIME	GEO-LOGIC UNIT	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)
APR 06...	1300	121GRMF	430.00	30	26	4040	5.00	4040

DATE	WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
APR 06...			<5	3.2	110	260	18

303351089090901 B229 JOHN SKINNER

DATE	TIME	GEO-LOGIC UNIT	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)
APR 06...	1830	122PCGL	600.00	30	26	4090	8.00

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)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
APR 06...			<5	2.6	152	10	5.3

303400089073301 C240 W B QUARLES

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
APR 06...	1500	122PCGL	635.00	10.0	30	26	4040	8.00

DATE	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
APR 06...			109	20	3.0	124	1200	42

303335088593001 D026 L W PARKER

DATE	TIME	GEO-LOGIC UNIT	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)
APR 09...	1305	122PCGL	705.00	25	26	4040	8.00	4040

DATE	WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
APR 09...			8.9	40	3.1	372	20	16

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

HARRISON COUNTY--Continued

303240089152801 E120 ALLEN LIZANNA

DATE	TIME	GEO-LOGIC UNIT	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)
APR 08...	1130	121GRMP	600.00	15	26	4040	8.00	4040
DATE	WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	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 FE) (70300)	IRON, DIS-SOLVED (UG/L AS MN) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)

APR 08...	120	156	7.3	20	3.4	142	150	120
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303155089143901 E125 MARTHA COLE

DATE	TIME	GEO-LOGIC UNIT	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)
APR 16...	1155	122PCGL	638.00	20	26	4040	8.00	4040
DATE	WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	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 FE) (70300)	IRON, DIS-SOLVED (UG/L AS MN) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)

APR 16...	150	177	7.4	<5	3.4	152	190	140
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302958089112401 F375 PERVY NIX

DATE	TIME	GEO-LOGIC UNIT	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)
APR 08...	0940	121GRMP	560.00	25	26	4090	8.00	4090
DATE	WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	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 FE) (70300)	IRON, DIS-SOLVED (UG/L AS MN) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)

APR 08...	120	250	8.5	5	4.0	174	7.0	1.5
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303035089141101 F405 LIZANA SCHOOL

DATE	TIME	GEO-LOGIC UNIT	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)	WELL PURGING CONDI-TION (CODE) (84143)
APR 16...	1050	122PCGL	950.00	1440	26	4040	8.00	4040	150
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)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L AS FE) (70300)	IRON, DIS-SOLVED (UG/L AS MN) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	

APR 16...	301	9.1	26.0	10	2.3	194	20	1.6
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QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

HARRISON COUNTY--Continued

303035089141001 F406 LIZANA SCHOOL

DATE	TIME	GEO-LOGIC UNIT	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)
APR 16...	1030	121GRMF	270.00	15	26	4040	8.00	4040

DATE	WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
APR 16...		123	7.2	<5	104	20	4.0

303114089055601 G005 HARRISON CENTRAL SCHOOL

DATE	TIME	GEO-LOGIC UNIT	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)	WELL PURGING CONDI-TION (CODE) (84143)
APR 09...	0935	122PCGL	758.00	15	26	4040	8.00	4040	120

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)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
APR 09...	283	9.2	26.0	5	2.4	176	20	1.6

303329089025801 G247 MISSISSIPPI FORESTRY COMMISSION

DATE	TIME	GEO-LOGIC UNIT	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)
APR 09...	1145	121GRMF	500.00	25	26	4040	8.00	4040

DATE	WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
APR 09...		120	131	7.5	20	3.0	124	1500

303216088595701 H403 DR MITCHELL

DATE	TIME	GEO-LOGIC UNIT	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)
APR 10...	0950	121GRMF	540.00	20	26	4040	8.00	4040

DATE	WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
APR 10...		120	272	7.7	<5	2.5	194	70

APR 10...	120	272	7.7	<5	2.5	194	70	97
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QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

HARRISON COUNTY--Continued

302600089153301 J132 DICK GAY

DATE	TIME	GEO-LOGIC UNIT	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)
APR 07...	1615	121GRMF	357.00	30	26	4040	8.00	4040
DATE	WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)

APR 07...	120	201	7.4	5	3.3	166	210	70
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302745089174501 J172 JAMES C LADNER

DATE	TIME	GEO-LOGIC UNIT	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)
APR 07...	1510	121GRMF	430.00	15	27	4040	8.00	4040
DATE	WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)

APR 07...	120	206	7.5	10	3.5	164	260	100
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303404089145001 J219 STUCKEYS (WARING OIL COMPANY)

DATE	TIME	GEO-LOGIC UNIT	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)
APR 07...	1710	122PCGL	940.00	20	80	4040	8.00	4040
DATE	WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)

APR 07...	120	398	9.1	10	2.7	256	3.0	5.9
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302506089103501 K246 DEEP SOUTH TRUCKING COMPANY

DATE	TIME	GEO-LOGIC UNIT	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)
APR 08...	1500	121CRNL	70.00	20	26	4040	8.00	4040
DATE	WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	

APR 08...	120	200	<5	3.3	162	6.0	47	
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QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

HARRISON COUNTY--Continued

302651089113801 K258 CLYDE WOODFIELD

DATE	TIME	GEO-LOGIC UNIT	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)
APR 08...	1330	121GRMF	570.00	30	27	4040	8.00	4040
DATE		WELL PURGING CON-DUCT-ANCE (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
APR 08...	120	191	7.4	<5	3.4	160	10	63

302518089082301 K327 SUTTER WATER COMPANY

		PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)									
DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (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)		
APR 09...	0800	122PCGL	780.00	1000	5	26	4035	8.00	4031	120	
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)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CAC03) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
APR 09...	276	8.8	25.0	5	.50	.050	66	.40	135	8.8	
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)
APR 09...	3.1	.24	33	196	<.010	<.020	.160	.240	20	3.3	

302815088590301 M791 SUPERIOR UTILITIES

		PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)								
DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	TO SAM-PLING (MIN) (72004)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)
APR 09...	1445	122PCGL	751.00	600	10	26	4035	8.00	4031	120
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)	ANC UNFLTRD TIT 4.5 LAB AS CAC03 (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)
APR 09...	295	9.3	26.0	10	.50	.050	67	.50	134	12
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 SI02) (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)
APR 09...	5.4	.31	24	194	<.010	<.020	.320	.350	30	4.5

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

HARRISON COUNTY--Continued

302638088555301 M793 CITY OF BILOXI

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	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)
OCT 14...	1100	122PCGL	1060.00	70.0	270	47	8.00	4040	1020	8.6
DATE	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CALCIUM DIS-SOLVED (MG/L) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L) (00925)	SODIUM, DIS-SOLVED (MG/L) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L) (00935)	ANC UNFLTRD TIT 4.5 LAB (MG/L) (90410)	SULFATE DIS-SOLVED (MG/L) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L) (00940)	
OCT 14...	28.5	20	2.9	.20	230	1.3	264	1.5	160	
DATE	FLUO-RIDE, DIS-SOLVED (MG/L) (00950)	SILICA, DIS-SOLVED (MG/L) (00955)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L) (70300)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L) (00608)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L) (00671)	IRON, DIS-SOLVED (UG/L) (01046)	MANGA-NESE, DIS-SOLVED (UG/L) (01056)	
OCT 14...	.49	17	582	<.010	<.020	.900	.280	170	28	

302239089161001 N333 GULF COAST COMMUNITY ACTION

DATE	TIME	GEO-LOGIC UNIT	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)	WELL PURGING CONDI-TION (CODE) (84143)
APR 07...	1300	121GRMF	700.00	20	26	4040	8.00	4040	120
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)	CHLO-RIDE, DIS-SOLVED (MG/L) (00940)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L) (70300)	IRON, DIS-SOLVED (UG/L) (01046)	MANGA-NESE, DIS-SOLVED (UG/L) (01056)	
APR 07...	529	8.9	25.0	20	16	326	10	12	

302134089130201 O319 PINEVILLE SCHOOL

DATE	TIME	GEO-LOGIC UNIT	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)
APR 07...	1030	121GRMF	467.00	20	26	4040	8.00	4040
DATE	WELL PURGING CONDI-TION (CODE) (84143)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L) (00940)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L) (70300)	IRON, DIS-SOLVED (UG/L) (01046)	MANGA-NESE, DIS-SOLVED (UG/L) (01056)	
APR 07...	120	224	<5	3.5	198	8.0	2.4	

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

HARRISON COUNTY--Continued

302139089121001 0320 MISSISSIPPI GULF COAST COMMUNITY COLLEGE

DATE	TIME	GEO-LOGIC UNIT	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)
APR 07...	0900	122HBRG	1860.00	50	1	4100	4.00
DATE	SAM-PLING METHOD, CODES (82398)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	COLOR (PLAT-INUM-COBALT) (00080)	CHLO-RIDE, DIS-SOLVED (MG/L) AS CL (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L) AS FE (01046)	MANGA-NESE, DIS-SOLVED (UG/L) AS MN (01056)

APR 07...	4100	623	5	95	348	7.0	26
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302132089084901 0355 CITY OF LONG BEACH

DATE	TIME	GEO-LOGIC UNIT	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)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD) (00400)
APR 07...	1125	122HBRG	1670.00	1	4100	4.00	4100	120	372	8.8
DATE	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT) (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)	ANC UNFLTRD TIT 4.5 LAB (MG/L) AS CACO3 (90410)	SULFATE DIS-SOLVED (MG/L) AS SO4 (00945)	CHLO-RIDE, DIS-SOLVED (MG/L) AS CL (00940)	
APR 07...	32.0	10	1.5	.090	84	.70	160	9.2	16	
DATE	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)	
APR 07...	.25	19	234	<.010	<.020	.510	.210	9.0	12	

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

HOLMES COUNTY

330413090192501 P024 DENNIS HAYMER

		GEO-LOGIC UNIT	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)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)		
JUN 03...	1000	112MRVA	70.00	20	47	4040	.10	4040	439	8.6		
DATE	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)			
JUN 03...	30.0	.30	758	<.1	.53	.12	107	.78	260			
DATE	CAR-BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CAC03) (39086)	SULFIDE TOTAL (MG/L AS S) (00745)	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)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)			
JUN 03...	6	223	.0	.45	2.3	.20	.023	14	266			
DATE	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 DIS-SOLVED (MG/L AS N) (00623)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON FERROUS UNFLTRD (UG/L) (99032)					
JUN 03...	.017	.057	.385	.32	.540	37	40					
DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)				
JUN 03...	9.2	<1.0	<1	4.8	<1.0	<1.0	1.5	<1.0				
DATE	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	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)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)				
JUN 03...	<1.0	<1.0	<1.0	<1.0	<1.0	<1	<1.0	<1.0				
DATE	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	RN-222 222 WHOLE, TOTAL (PCI/L) (82303)	TRITIUM WHOLE, TOTAL (PCI/L) (76002)	TRITIUM 2 SIGMA WHOLE, TOTAL (PCI/L) (07000)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	ACETO-CHLOR, WATER, FLTRD REC (49260)	ALA-CHLOR, WATER, DISS, REC (46342)	NAPROP-AMIDE WATER FLTRD GF, REC (82684)	PRON-AMIDE WATER FLTRD GF, REC (82676)		
JUN 03...	-25.7	-5.12	139	19	<1.0	1.0	1.0	<.0020	<.002	<.0030	<.0030	
DATE	PROP-CHLOR, WATER, DISS, REC (04024)	PRO-PANIL, WATER, FLTRD, GF, REC (82679)	ALDI-CARB, WATER, FLTRD, GF, REC (49312)	ALDI-CARB, SULFONE WAT, FLT REC (49313)	ALDICA-RB SUL-FOXIDE, WAT, FLT REC (49314)	BUTYL-ATE, WATER, REC (04028)	CAR-BARYL, WATER, FLTRD, GF, REC (49310)	CAR-BARYL, WATER, FLTRD, GF, REC (82680)	CARBO-FURAN, WATER, FLTRD, GF, REC (49309)	CARBO-FURAN, WATER, FLTRD, GF, REC (82674)	3HYDRXY CARBO-FURAN, WAT, FLT REC (49308)	EPTC WATER, FLTRD GF, REC (82668)
JUN 03...	<.0070	<.0040	<.550	<.100	<.0210	<.0020	<.0080	<.0030	<.120	<.0030	<.0140	<.0020
DATE	METHIO-CARB, WATER, FLTRD, GF, REC (38501)	METH-OMYL, WATER, FLTRD, GF, REC (49296)	MOL-INATE, WATER, FLTRD, GF, REC (82671)	OXAMYL, WATER, FLTRD, GF, REC (38866)	PEB-ULATE, WATER, FLTRD, GF, REC (82669)	PRO-PHAM, WATER, FLTRD, GF, REC (49236)	PRO-POXUR, WATER, FLTRD, GF, REC (38538)	THIO-BENCARB, WATER, FLTRD, GF, REC (82681)	TRIAL-LATE, WATER, FLTRD, GF, REC (82678)	2,4-D, DIS-SOLVED (UG/L) (39732)	DICHLOR PROP, WATER, FLTRD, GF, REC (49302)	2,4-DB WATER, FLTRD, GF, REC (38746)
JUN 03...	<.0260	<.0170	<.0040	<.0180	<.0040	<.0350	<.0350	<.0020	<.0010	<.150	<.0320	<.240

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

HOLMES COUNTY--Continued

330413090192501 P024 DENNIS HAYMER--Continued

DATE	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	SILVEX, DIS- SOLVED (UG/L) (39762)	2,4,5-T DIS- SOLVED (UG/L) (39742)	TRI- CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ORY- ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	CHLORO- THALO- NIL, WAT, FLT GF 0.7U REC (UG/L) (49306)
JUN 03...	<.170	<.140	<.0210	<.0350	<.250	<.0020	<.0040	<.310	<.0040	<.0020	<.0020	<.480
DATE	DCPA WATER, FLTRD, 0.7 U GF, REC (UG/L) (82682)	DACTHAL MONO- ACID, WAT, FLT 0.7 U REC (UG/L) (49304)	P, P' DDE DISSOLV (UG/L) (34653)	DICHLOR- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	LINDANE DIS- SOLVED (UG/L) (39341)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DISUL- FOTON WATER, FLTRD, 0.7 U GF, REC (UG/L) (82677)	ETHO- PROP WATER, FLTRD, 0.7 U GF, REC (UG/L) (82672)	FOFOPHOS WATER, DISS REC (UG/L) (04095)
JUN 03...	<.0020	<.0170	<.0060	<.120	<.001	<.004	<.0010	<.0040	<.002	<.0170	<.0030	<.0030
DATE	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PHORATE WATER, FLTRD, 0.7 U GF, REC (UG/L) (82664)	TER- BUFOS WATER, FLTRD, 0.7 U GF, REC (UG/L) (82675)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	METRI- BUZIN SENCOR WATER, DISSOLV (UG/L) (82630)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)
JUN 03...	<.005	<.0060	<.004	<.0020	<.0130	<.0050	<.001	<.0020	<.0040	<.004	<.0180	<.0050
DATE	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	TER- BACIL WATER, FLTRD, 0.7 U GF, REC (UG/L) (82665)	FEN- URON, FLTRD, GF 0.7U REC (UG/L) (49297)	DIURON, FLTRD, GF 0.7U REC (UG/L) (49300)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	LIN- URON WATER, FLTRD, 0.7 U GF, REC (UG/L) (82666)	NEB- URON, WATER, FLTRD, 0.7 U GF, REC (UG/L) (49294)	TEBU- THIURON WATER, FLTRD, 0.7 U GF, REC (UG/L) (82670)	ACIFL- UORFEN WATER, FLTRD, 0.7 U GF, REC (UG/L) (49315)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)
JUN 03...	<.0350	<.0070	<.0130	<.0200	<.0350	<.0180	<.0020	<.0150	<.0100	<.0350	<.0140	<.0350
DATE	CHLOR- AMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DNOC WAT, FLT GF 0.7U REC (UG/L) (49299)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO- PARGITE WATER, FLTRD, 0.7 U GF, REC (UG/L) (82685)	1,2- DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)	CHLORO- ETHANE TOTAL (UG/L) (34311)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)
JUN 03...	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130	<.072	<.240	<.132
DATE	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	PREON- 113 WATER UNFLTRD REC (UG/L) (77652)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	ETHANE, 1,1,2,2 TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHANE BROMO- CHLORO- WAT UNFLTRD REC (UG/L) (77297)	BROMO- DI- CHLORO- METHANE TOTAL (UG/L) (32101)	DI- BROMO- METHANE WATER WHOLE RECOVER (UG/L) (30217)	BROMO- FORM TOTAL (UG/L) (32104)
JUN 03...	<.268	<.064	<.128	<.064	<.088	<.264	<.724	<.296	<.088	<.096	<.100	<.208
DATE	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	METHYL CHLO- RIDE TOTAL (UG/L) (34423)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	CHLORO- FORM TOTAL (UG/L) (32106)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT.REC (UG/L) (82625)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)	1,3-DI- CHLORO- PROPANE WAT. WH TOTAL (UG/L) (77173)	2,2-DI- CHLORO- PRO- PANE WAT, WH TOTAL (UG/L) (77170)
JUN 03...	<.508	<.364	<.764	<.192	<.104	<.184	<.176	<.152	<.428	<.136	<.232	<.156
DATE	123-TRI CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	2BUTENE TRANS-1 4-DI- CHLORO UNFLTRD RECOVER (UG/L) (73547)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)	PROPENE 3- CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	1,1-DI- CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)
JUN 03...	<.140	<.284	<.138	<.200	<.224	<.088	<.076	<.064	<.076	<.076	<.392	<.052

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

HOLMES COUNTY--Continued

330413090192501 P024 DENNIS HAYMER--Continued

DATE	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	ETHYL- BENZENE TOTAL (UG/L) (34371)	TOLUENE TOTAL (UG/L) (34010)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	BENZENE 123-TRI METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)	BENZENE 124-TRI METHYL UNFLTRD RECOVER (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)
JUN 03...	<.184	<.268	<.372	<.096	<.192	<.060	E.018	<.128	<.128	<.248	<.112	<.088
DATE	PREH- NITENE WATER UNFLTRD RECOVER (UG/L) (49999)	ISO- DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (UG/L) (77356)	BENZENE TOTAL (UG/L) (34030)	NAPHTH- ALENE TOTAL (UG/L) (34696)	STYRENE TOTAL (UG/L) (77128)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT- BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)
JUN 03...	<.460	<.480	<.064	<.084	<.200	<.220	<.064	<.500	<.084	<9.81	<.340	<.108
DATE	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	ETHER TERT- PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	DI-ISO- PROPYL- ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	2-HEXA- NONE WATER WHOLE TOTAL (UG/L) (77103)	METHYL ISO- BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	CHLORO- BENZENE TOTAL (UG/L) (34301)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	
JUN 03...	<.224	<.224	<.196	<2.30	<1.49	<.748	<3.30	<.072	<.056	<.096	<.108	
DATE	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	CARBON DI- SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	METHAC- RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	METHYL ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METH- ACRYLO- NITRITE WATER UNFLTRD RECOVER (UG/L) (81593)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	ACRYLO- NITRILE TOTAL (UG/L) (34215)	
JUN 03...	<.100	<.532	<.376	<.084	<.112	<.160	<.556	<1.22	<1.14	<.700	<2.45	

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

HUMPHREYS COUNTY

331037090404501 E189 HELEN GRANT

DATE	TIME	GEO-LOGIC UNIT	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)	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)
JUN 02...	1200	112MRVA	110.00	35	47	4040	.10	4040	840	7.2	23.0	11
DATE	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L) (00925)	SODIUM, DIS-SOLVED (MG/L) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L) (00935)	BICAR-BONATE WATER DIS IT (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT (MG/L AS CAC03) (39086)	SULFIDE TOTAL (MG/L) (00745)	SULFATE DIS-SOLVED (MG/L) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L) (00950)
JUN 02...	762	.3	94	28	36	4.2	449	368	.0	54	16	.26
DATE	BROMIDE DIS-SOLVED (MG/L) (71870)	SILICA, DIS-SOLVED (MG/L) (00955)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L) (70300)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L) (00608)	NITRO-GEN, AMMONIA + ORGANIC DIS-SOLVED (MG/L) (00623)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L) (00671)	IRON, DIS-SOLVED (UG/L) (01046)	IRON FERROUS WATER UNPLTRD (UG/L) (99032)		
JUN 02...		.12	30	508	.015	.062	.831	1.0	.408	4800	600	
DATE	ALUM-INUM, DIS-SOLVED (UG/L) (01106)	ANTI-MONY, DIS-SOLVED (UG/L) (01095)	ARSENIC DIS-SOLVED (UG/L) (01000)	BARIUM, DIS-SOLVED (UG/L) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L) (01010)	CADMIUM DIS-SOLVED (UG/L) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L) (01030)	COBALT, DIS-SOLVED (UG/L) (01035)	COPPER, DIS-SOLVED (UG/L) (01040)			
JUN 02...		3.5	<1.0	<1	552	<1.0	<1.0	6.3	<1.0	<1.0		
DATE	LEAD, DIS-SOLVED (UG/L) (01049)	MANGA-NESE, DIS-SOLVED (UG/L) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L) (01060)	NICKEL, DIS-SOLVED (UG/L) (01065)	SELE-NIUM, DIS-SOLVED (UG/L) (01145)	SILVER, DIS-SOLVED (UG/L) (01075)	ZINC, DIS-SOLVED (UG/L) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L) (22703)				
JUN 02...		<1.0	182	1.1	1.3	<1	<1.0	<1.0	<1.0			
DATE	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	RADON 222 TOTAL (PCI/L) (82303)	RN-222 2 SIGMA WATER, WHOLE, TOTAL (PCI/L) (76002)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL (PCI/L) (07000)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL (PCI/L) (75985)	CARBON, ORGANIC DIS-SOLVED (MG/L) (00681)	ACETO-CHLOR, WATER, FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, FLTRD REC (UG/L) (46342)	METO-LACHLOR, WATER, DISSOLV (UG/L) (39415)	NAPROP-AMIDE WATER FLTRD GF, REC (UG/L) (82684)	PRON-AMIDE WATER FLTRD GF, REC (UG/L) (82676)
JUN 02...	-25.4	-4.55	260	20	7.4	1.0	2.1	<.0020	<.002	<.002	<.0030	<.0030
DATE	PROP-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD GF, REC (UG/L) (82679)	ALDI-CARB, WATER, FLTRD GF 0.7U REC (UG/L) (49312)	ALDI-CARB, SULFONE, WAT, FLT GF 0.7U REC (UG/L) (49313)	ALDI-CARB, SULFONE, WAT, FLT GF 0.7U REC (UG/L) (49314)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL, WATER, FLTRD, REC (UG/L) (49310)	CAR-BARYL, WATER, FLTRD, REC (UG/L) (82680)	CARBO-FURAN, WATER, FLTRD, REC (UG/L) (49309)	CARBO-FURAN, WATER, FLTRD, REC (UG/L) (82674)	3HYDRXY CARBO-FURAN, WAT, FLT GF 0.7U REC (UG/L) (49308)	EPTC WATER FLTRD GF, REC (UG/L) (82668)
JUN 02...	<.0070	<.0040	<.550	<.100	<.0210	<.0020	<.0080	<.0030	<.120	<.0030	<.0140	<.0020
DATE	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	MOL-INATE WATER, FLTRD GF 0.7U REC (UG/L) (82671)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PEB-ULATE WATER, FLTRD, GF 0.7U REC (UG/L) (82669)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	THIO-BENCARB, WATER, FLTRD, GF 0.7U REC (UG/L) (82681)	TRIAL-LATE WATER, FLTRD, GF 0.7U REC (UG/L) (82678)	2,4-D, DIS-SOLVED (UG/L) (39732)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)
JUN 02...	<.0260	<.0170	<.0040	<.0180	<.0040	<.0350	<.0350	<.0020	<.0010	<.150	<.0320	<.236
DATE	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	SILVEX, DIS-SOLVED (UG/L) (39762)	2,4,5-T DIS-SOLVED (UG/L) (39742)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	BEN-FLUR-ALIN WAT FLT GF 0.7U REC (UG/L) (82673)	ETHAL-FLUR-ALIN WAT FLT GF 0.7U REC (UG/L) (82663)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	PENDI-METH-ALIN WAT FLT GF 0.7U REC (UG/L) (82683)	TRI-FLUR-ALIN WAT FLT GF 0.7U REC (UG/L) (82661)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	CHLORO-THALO-NIL, WAT, FLT GF 0.7U REC (UG/L) (49306)
JUN 02...	<.170	<.140	<.0210	<.0350	<.250	<.0020	<.0040	<.310	<.0040	<.0020	<.0020	<.480

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

HUMPHREYS COUNTY--Continued

331037090404501 E189 HELEN GRANT--Continued

DATE	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DACTHAL MONO- ACID, WAT, FLT GF 0.7U REC (UG/L) (49304)	P, P' DDE DISSOLV (UG/L) (34653)	DICHLOR- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	LINDANE DIS- SOLVED (UG/L) (39341)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)
JUN 02...	<.0020	<.0170	<.0060	<.120	<.001	<.004	<.0010	<.0040	<.002	<.0170	<.0030	<.0030
DATE	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PHORATE WATER FLTRD, 0.7 U GF, REC (UG/L) (82664)	TER- BUFOS WATER FLTRD, 0.7 U GF, REC (UG/L) (82675)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	METRI- BUZIN WATER, DISSOLV (UG/L) (82630)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)
JUN 02...	<.005	<.0060	<.004	<.0020	<.0130	<.0050	<.001	<.0020	<.0040	<.004	<.0180	<.0050
DATE	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	TER- BACIL WATER, FLTRD, 0.7 U GF, REC (UG/L) (82665)	FEN- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	LIN- URON WATER, FLTRD, 0.7 U GF, REC (UG/L) (82666)	NEB- URON, WATER, FLTRD, 0.7 U GF, REC (UG/L) (49294)	TEBU- THURON WATER, FLTRD, 0.7 U GF, REC (UG/L) (82670)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)
JUN 02...	<.0350	<.0070	<.0130	<.0200	<.0350	<.0180	<.0020	<.0150	<.0100	<.0350	<.0140	<.0350
DATE	CHLOR- AMBN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DNOC WAT, FLT GF 0.7U REC (UG/L) (49299)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO- PARGITE WATER, FLTRD, 0.7 U GF, REC (UG/L) (82685)	1,2- DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)	CHLORO- ETHANE TOTAL (UG/L) (34311)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)
JUN 02...	<.420	<.230	<.0350	<.0030	<.630	<.420	<.0240	<.0500	<.0130	<.144	<.480	<.264
DATE	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	ETHANE, 1,1,2,2- TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHANE BROMO- CHLORO- WAT UNFLTRD REC (UG/L) (77297)	BROMO- DI- CHLORO- ETHANE TOTAL (UG/L) (32101)	DI- BROMO- METHANE WATER WHOLE RECOVER (UG/L) (30217)	BROMO- FORM TOTAL (UG/L) (32104)
JUN 02...	<.536	<.128	<.256	<.128	<.176	<.528	<1.45	<.592	<.176	<.192	<.200	<.416
DATE	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	METHYL ENE CHLO- RIDE TOTAL (UG/L) (34423)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	CHLORO- FORM TOTAL (UG/L) (32106)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT. REC (UG/L) (82625)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)	1,3-DI- CHLORO- PROPANE WAT. WH TOTAL (UG/L) (77173)	2,2-DI- CHLORO- PRO- PANE WAT. WH TOTAL (UG/L) (77170)
JUN 02...	<1.02	<.728	<1.53	<.384	<.208	<.368	<.352	<.304	<.856	<.272	<.464	<.312
DATE	123-TRI CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	2BUTENE TRANS-1 4-DI- CHLORO UNFLTRD RECOVER (UG/L) (73547)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)	PROPENE 3- CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	1,1-DI CHLORO- PRO- PENE, WAT. WH TOTAL (UG/L) (77168)
JUN 02...	<.280	<.568	<2.77	<.400	<.448	<.176	<.152	<.128	<.152	<.152	<.784	<.104
DATE	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	ETHYL- BENZENE TOTAL (UG/L) (34371)	TOLUENE TOTAL (UG/L) (34010)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	BENZENE 123-TRI METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)	BENZENE 124-TRI METHYL UNFLTRD RECOVER (UG/L) (77222)	BENZENE 135-TRI METHYL UNFLTRD REC (UG/L) (77226)
JUN 02...	<.368	<.536	<.744	<.192	<.384	<.120	E.055	<.256	<.256	<.496	<.224	<.176

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

HUMPHREYS COUNTY--Continued

331037090404501 E189 HELEN GRANT--Continued

	PREH-NITENE WATER UNFLTRD RECOVER (UG/L) (49999)	ISO-DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	ISO-PROPYL-BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-PROPYL WATER UNFLTRD REC (UG/L) (77224)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	P-ISO-PROPYL-TOLUENE WATER WHOLE REC (UG/L) (77356)	BENZENE TOTAL (UG/L) (34030)	NAPHTH-ALENE TOTAL (UG/L) (34696)	STYRENE TOTAL (UG/L) (77128)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT-BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)
JUN 02...	<.920	<.960	<.128	<.168	<.400	<.440	<.128	<1.00	<.168	<19.6	<.680	<.216
DATE	METHYL-TERT-BUTYL ETHER WAT UNF REC (UG/L) (78032)	ETHER-TERT-PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	DI-ISO-PROPYL-ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	FURAN, TETRA-HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	2-HEXA-NONE WATER WHOLE TOTAL (UG/L) (77103)	METHYL-ISO-BUTYL KETONE WAT. WH. TOTAL (UG/L) (78133)	METHYL-ETHYL-KETONE WATER WHOLE TOTAL (UG/L) (81595)	BROMO-BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	CHLORO-BENZENE BENZENE TOTAL (UG/L) (34301)	BENZENE O-DI-CHLORO- WATER UNFLTRD REC (UG/L) (34536)	BENZENE 1,3-DI-CHLORO- WATER UNFLTRD REC (UG/L) (34566)	
JUN 02...	<.448	<.448	<.392	<4.59	<2.98	<1.50	<6.60	<.144	<.112	<.192	<.216	
DATE	BENZENE 1,4-DI-CHLORO- WATER UNFLTRD REC (UG/L) (34571)	1,2,3-TRI-CHLORO-BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 1,2,4-TRI-CHLORO- WAT UNF REC (UG/L) (34551)	O-CHLORO-TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	CARBON DI-SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	METHAC-RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	METHYL-ACRY-LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METH-ACRYLO-NITRITE WATER UNFLTRD RECOVER (UG/L) (81593)	METHAC-RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	ACRYLO-NITRILE TOTAL (UG/L) (34215)	
JUN 02...	<.200	<1.06	<.752	<.168	<.224	<.320	<1.11	<2.45	<2.28	<1.40	<4.90	

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

ISSAQUENA COUNTY

325723091001901 A093 STAN DELANEY

		PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)									SPE- CIFIC CON- DUCT-ANCE (US/CM)	
DATE	TIME	GEO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	TO SAM- PLING (MIN) (72004)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)	SAM- PLING METHOD, CODES (82398)	(00095)		
MAY 21...	0900	112MRVA	37.00	30.0	20	47	4040	.10	4040	919		
JUN 02...	1500	112MRVA	37.00	--	15	47	4040	.10	4040	909		
DATE	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	BARO- METRIC PRES- SURE (MM HG) (00025)	OXYGEN, DIS- SOLVED (MG/L) (00300)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	BICAR- BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)		
MAY 21...	8.8	24.0	.22	764	1.2	.49	.15	220	.97	461		
JUN 02...	8.6	30.0	--	762	1.9	--	--	--	--	--		
DATE	CAR- BONATE WATER DIS IT FIELD (MG/L AS CO3) (00452)	ALKA- LINITY WAT DIS TOT IT FIELD (MG/L AS CAC03) (39086)	SULFIDE TOTAL (MG/L AS S) (00745)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	BROMIDE DIS- SOLVED (MG/L AS BR) (71870)	SILICA, DIS- SOLVED (MG/L AS SI02) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)			
MAY 21...	29	426	.0	.48	38	.78	.14	11	560			
DATE	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 DIS- SOLVED (MG/L AS N) (00623)	PHOS- PHORUS ORTHO, DIS- SOLVED (MG/L AS P) (00671)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	IRON FERROUS WATER UNPLTRD (UG/L) (99032)					
MAY 21...		.014	<.050	.551	.67	.591	53	1				
DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ANTI- MONY, DIS- SOLVED (UG/L AS SB) (01095)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)			
MAY 21...	7.8	<1.0	<1	6.6	<1.0	<1.0	3.2	<1.0	<1.0			
DATE	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	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)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)				
MAY 21...		<1.0	2.3	<1.0	<1.0	<1	<1.0	8.5	<1.0			
DATE	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L) (09511)	RA-226 2 SIGMA WATER, DISS, (PCI/L) (76001)	RN-222 2 SIGMA WATER, WHOLE, TOTAL (PCI/L) (76002)	TRITIUM WHOLE, TOTAL (PCI/L) (07000)	TRITIUM 2 SIGMA ORGANIC WATER, SOLVED (MG/L) (75985)	CARBON, DIS- SOLVED (MG/L AS C) (00681)	ACETO- CHLOR, WATER, FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	
MAY 21...	-23.6	-4.83	.04	.015	66	16	<1.0	1.0	3.8	--	--	
JUN 02...	--	--	--	--	--	--	--	--	<.0020	<.002	<.002	
DATE	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROP- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER, FLTRD 0.7 U GF, REC (UG/L) (82679)	ALDI- CARB, WATER, FLTRD 0.7 U GF, REC (UG/L) (49312)	ALDI- CARB, SULFONE WAT, FLT 0.7 U GF, REC (UG/L) (49313)	ALDICA- RB SUL- FOXIDE, WAT, FLT 0.7 U GF, REC (UG/L) (49314)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAR- BARYL, WATER, FLTRD 0.7 U GF, REC (UG/L) (49310)	CAR- BARYL, WATER, FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO- FURAN, WATER, FLTRD 0.7 U GF, REC (UG/L) (49309)	CARBO- FURAN, WATER, FLTRD 0.7 U GF, REC (UG/L) (82674)
JUN 02...	<.0030	<.0030	<.0070	<.0040	<.550	<.100	<.0210	<.0020	<.0080	<.0030	<.120	<.0030

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

ISSAQUENA COUNTY--Continued

325723091001901 A093 STAN DELANEY--Continued

DATE	3HYDRXY CARBO- FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	METHIO- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH- OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	MOL- INATE WATER FLTRD, 0.7 U GF, REC (UG/L) (82671)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PEB- ULATE WATER FLTRD, 0.7 U GF, REC (UG/L) (82669)	PRO- PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PRO- POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	THIO- BENCARB WATER, FLTRD, 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	2,4-D, DIS- SOLVED (UG/L) (39732)
JUN 02...	<.0140	<.0020	<.0260	<.0170	<.0040	<.0180	<.0040	<.0350	<.0350	<.0020	<.0010	<.150
DATE	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	SILVEX, DIS- SOLVED (UG/L) (39762)	2,4,5-T DIS- SOLVED (UG/L) (39742)	TRI- CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ORY- ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
JUN 02...	<.0320	<.240	<.170	<.140	<.0210	<.0350	<.250	<.0020	<.0040	<.310	<.0040	<.0020
DATE	ALPHA BHC DIS- SOLVED (UG/L) (34253)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	DCPA WATER FLTRD, 0.7 U GF, REC (UG/L) (82682)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	P,P' DDE DISSOLV (UG/L) (34653)	DICHLOR- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	LINDANE DIS- SOLVED (UG/L) (39341)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)
JUN 02...	<.0020	<.480	<.0020	<.0170	<.0060	<1.20	<.001	<.004	<.0010	<.0040	<.002	<.0170
DATE	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FOFONOS WATER DISS REC (UG/L) (04095)	MALA- THION, DISS SOLVED (UG/L) (39532)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PARA- THION, DISS SOLVED (UG/L) (39542)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ATRA- ZINE, WATER, DISS REC (UG/L) (39632)	DEETHYL ATRA- ZINE, WATER, DISS REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS REC (UG/L) (04041)	METRI- BUZIN WATER FLTRD 0.7 U GF, REC (UG/L) (82630)
JUN 02...	<.0030	<.0030	<.005	<.0060	<.004	<.0020	<.0130	<.0050	<.001	<.0020	<.0040	<.004
DATE	PRO- METON, WATER, DISS REC (UG/L) (04037)	SI- MAZINE, WATER, DISS REC (UG/L) (04035)	BRO- BACIL, WATER, DISS REC (UG/L) (04029)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	FEN- URON, WATER, FLTRD 0.7 U GF, REC (UG/L) (49297)	DIURON, WATER, FLTRD 0.7 U GF, REC (UG/L) (49300)	PLUO- METURON WATER, FLTRD 0.7 U GF, REC (UG/L) (38811)	LINURON WATER, FLTRD 0.7 U GF, REC (UG/L) (38478)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	NEB- URON, WATER, FLTRD 0.7 U GF, REC (UG/L) (49294)	TEBU- THURON WATER, FLTRD 0.7 U GF, REC (UG/L) (82670)	ACIPL- UORFEN WATER, FLTRD 0.7 U GF, REC (UG/L) (49315)
JUN 02...	<.0180	<.0050	<.0350	<.0070	<.0130	<.0200	<.0350	<.0180	<.0020	<.0150	<.0100	<.0350
DATE	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CHLOR- AMBN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	2,6-DI- ETHYL ANILIN WAT FLT 0.7 U GF, REC (UG/L) (82660)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DNOC WAT,FLT GF 0.7U REC (UG/L) (49299)	NORPLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	1,2- DIBROMO ETHANE WATER FLTRD 0.7 U GF, REC (UG/L) (77651)
MAY 21...	--	--	--	--	--	--	--	--	--	--	--	<.036
DATE	CHLORO- ETHANE TOTAL (UG/L) (34311)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	ETHANE, 1,1,2,2 TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHANE BROMO- CHLORO- WAT UNFLTRD REC (UG/L) (77297)	BROMO- DI- CHLORO- METHANE TOTAL (UG/L) (32101)
MAY 21...	<.120	<.066	<.134	<.032	<.064	<.032	<.044	<.132	<.362	<.148	<.044	<.048
DATE	DI- BROMO- METHANE WATER WHOLE RECOVER (30217)	BROMO- FORM TOTAL (UG/L) (32104)	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	METHYL ENE CHLO- RIDE TOTAL (UG/L) (34423)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	CHLORO- FORM TOTAL (UG/L) (32106)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	DIBROMO CHLORO- PROPANE WHOLE TOT. REC (UG/L) (82625)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)
MAY 21...	<.050	<.104	<.254	<.182	<.382	<.096	<.052	<.092	<.088	<.076	<.214	<.068

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

ISSAQUENA COUNTY--Continued

325723091001901 A093 STAN DELANEY--Continued

DATE	1,3-DI- CHLORO- PROPANE WAT. WH TOTAL (UG/L) (77173)	2,2-DI- CHLORO- PRO- PANE WAT. WH TOTAL (UG/L) (77170)	123-TRI- CHLORO- PROPANE WHOLE TOTAL (UG/L) (77443)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	2BUTENE TRANS-1 4-DI- CHLORO UNFLTRD RECOVER (UG/L) (73547)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)
MAY 21...	<.116	<.078	<.070	<.142	<.692	<.100	<.112	<.044	<.038	<.032	<.038	<.038
DATE	PROPENE 3- CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	1,1-DI- CHLORO- PRO- PENE, WAT. WH TOTAL (UG/L) (77168)	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	ETHYL- BENZENE TOTAL (UG/L) (34371)	TOLUENE TOTAL (UG/L) (34010)	O- XYLENE WATER TOTAL (UG/L) (77135)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	BENZENE 123-TRI METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)
MAY 21...	<.196	<.026	<.092	<.134	<.186	<.048	<.096	<.030	<.038	<.064	<.064	<.124
DATE	BENZENE 124-TRI METHYL UNFLTRD RECOVER (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)	PREH- NITENE WATER UNFLTRD RECOVER (UG/L) (49999)	ISO- DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	ISO- PROPYL- BENZENE WATER WHOLE UNFLTRD REC (UG/L) (77223)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	P-ISO- PROPYL- TOLUENE WATER WHOLE UNFLTRD REC (UG/L) (77356)	BENZENE TOTAL (UG/L) (34030)	NAPHTH- ALENE TOTAL (UG/L) (34696)	STYRENE TOTAL (UG/L) (77128)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)
MAY 21...	<.056	<.044	<.230	<.240	<.032	<.042	<.100	<.110	<.032	<.250	<.042	<.4.90
DATE	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT- BUTYL WATER UNFLTRD RECOVER (UG/L) (50004)	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	ETHER TERT- PENTYL METHYL WATER UNFLTRD RECOVER (UG/L) (50005)	DI-ISO- PROPYL- ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	2-HEXA- NONE WATER WHOLE UNFLTRD TOTAL (UG/L) (77103)	METHYL ISO- BUTYL KETONE WAT. WH. TOTAL (UG/L) (78133)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	CHLORO- BENZENE TOTAL (UG/L) (34301)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)
MAY 21...	<.170	<.054	<.112	<.112	<.098	<.1.15	<.746	<.374	<.1.65	<.036	<.028	<.048
DATE	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	1,2,3- TRI- CHLORO BENZENE WAT. WH REC (UG/L) (77613)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	O- CHLORO- TOLUENE WATER WHOLE UNFLTRD TOTAL (UG/L) (77275)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	CARBON DI- SULFIDE WATER WHOLE UNFLTRD TOTAL (UG/L) (77041)	METHAC- RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	METHYL ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METH- ACRYLO- NITRILE WATER UNFLTRD RECOVER (UG/L) (81593)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	ACRYLO- NITRILE TOTAL (UG/L) (34215)
MAY 21...	<.054	<.050	<.266	<.188	<.042	<.056	E.017	<.278	<.612	<.570	<.350	<.1.23

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

LEFLORE COUNTY

332304090201001 N081 RAY JOHNSON

DATE	TIME	GEO-LOGIC UNIT	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)	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)
JUN 01...	1400	112MRVA	100.00	50	47	4040	.10	4040	527	7.0	32.0	>10
DATE	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L) AS CA (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L) AS MG (00925)	SODIUM, DIS-SOLVED (MG/L) AS NA (00930)	POTAS-SIUM, DIS-SOLVED (MG/L) AS K (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFIDE TOTAL (MG/L) AS S (00745)	SULFATE DIS-SOLVED (MG/L) AS SO4 (00945)	CHLO-RIDE, DIS-SOLVED (MG/L) AS CL (00940)	FLUO-RIDE, DIS-SOLVED (MG/L) AS F (00950)
JUN 01...	762	3.3	67	20	9.9	2.2	278	228	.0	<.10	10	.33
DATE	BROMIDE DIS-SOLVED (MG/L) AS BR (71870)	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)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L) AS N (00623)	PHOS-PHORUS DIS-SOLVED (MG/L) AS P (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L) AS P (00671)	IRON, DIS-SOLVED (UG/L) AS FE (01046)	IRON FERROUS UNFLTRD (UG/L) (99032)	
JUN 01...	.099	33	315	.018	.194	.151	.12	.041	.041	970	480	
DATE	ALUM-INUM, DIS-SOLVED (UG/L) AS AL (01106)	ANTI-MONY, DIS-SOLVED (UG/L) AS SB (01095)	ARSENIC DIS-SOLVED (UG/L) AS AS (01000)	BARIUM, DIS-SOLVED (UG/L) AS BA (01005)	BERYL-LIUM, DIS-SOLVED (UG/L) AS BE (01010)	CADMIUM DIS-SOLVED (UG/L) AS CD (01025)	CHRO-MIUM, DIS-SOLVED (UG/L) AS CR (01030)	COBALT, DIS-SOLVED (UG/L) AS CO (01035)	COPPER, DIS-SOLVED (UG/L) AS CU (01040)			
JUN 01...		2.8	<1.0	<1	466	<1.0	<1.0	5.0	<1.0	1.1		
DATE	LEAD, DIS-SOLVED (UG/L) AS PB (01049)	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)	ZINC, DIS-SOLVED (UG/L) AS ZN (01090)	URANIUM NATURAL DIS-SOLVED (UG/L) AS U (22703)				
JUN 01...		<1.0	398	1.2	1.4	<1	<1.0	1110	<1.0			
DATE	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	RADIUM 226, DIS-SOLVED, RADON WATER, DISS, METHOD (PCI/L) (09511)	RA-226 2 SIGMA WATER, DISS, TOTAL (PCI/L) (76001)	RN-222 2 SIGMA WATER, WHOLE, TOTAL (PCI/L) (76002)	TRITIUM WHOLE, TOTAL (PCI/L) (07000)	TRITIUM CARBON, 2 SIGMA ORGANIC WATER, DIS-SOLVED, TOTAL (MG/L) (75985)	CARBON, 2 SIGMA ORGANIC WATER, DIS-SOLVED, TOTAL (MG/L) (00681)	ACETO-CHLOR, WATER, FLTRD REC (49260)	ALA-CHLOR, WATER, DISS, REC (46342)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	
JUN 01...	-25.6	-4.59	.53	.091	119	19	1.9	1.0	1.9	<.0020	<.002	<.002
DATE	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (82684)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (82676)	PROP-PANIL WATER, FLTRD, DISS, REC (04024)	PRO-PANIL WATER, FLTRD, GF 0.7 U (82679)	ALDI-CARB, WATER, FLTRD, GF 0.7 U (49312)	ALDI-CARB, SULFONE WAT, FLT GF 0.7 U (49313)	ALDICA-RB SUL-FATE, WAT, FLT GF 0.7 U (49314)	BUTYL-ATE, WATER, FLTRD, DISS, REC (04028)	CAR-BARYL, WATER, FLTRD, GF 0.7 U (49310)	CAR-BARYL, WATER, FLTRD, GF 0.7 U (82680)	CARBO-FURAN, WATER, FLTRD, GF 0.7 U (49309)	CARBO-FURAN, WATER, FLTRD, GF 0.7 U (82674)
JUN 01...	<.0030	<.0030	<.0070	<.0040	<.550	<.100	<.0210	<.0020	<.0080	<.0030	<.120	<.0030
DATE	3HYDRXY CARBO-FURAN WAT, FLT GF 0.7 U REC (49308)	EPTC WATER FLTRD 0.7 U GF, REC (82668)	METHIO-CARB, WATER, FLTRD, GF 0.7 U (38501)	METH-OMYL, WATER, FLTRD, GF 0.7 U (49296)	MOL-INATE WATER, FLTRD, GF 0.7 U (82671)	OXAMYL, WATER, FLTRD, GF 0.7 U (38866)	PEB-ULATE, WATER, FLTRD, GF 0.7 U (82669)	PRO-PHAM, WATER, FLTRD, GF 0.7 U (49236)	PRO-POXUR, WATER, FLTRD, GF 0.7 U (38538)	THIO-BENCARB, WATER, FLTRD, GF 0.7 U (82681)	TRIAL-LATE WATER, FLTRD, GF 0.7 U (82678)	2,4-D, DIS-SOLVED (UG/L) (39732)
JUN 01...	<.0140	<.0020	<.0260	<.0170	<.0040	<.0180	<.0040	<.0350	<.0350	<.0020	<.0010	.300
DATE	DICHLOR PROP, WATER, FLTRD, GF 0.7 U REC (49302)	2,4-DB WATER, FLTRD, GF 0.7 U REC (38746)	MCPA, WATER, FLTRD, GF 0.7 U (38482)	MCPB, WATER, FLTRD, GF 0.7 U (38487)	SILVEX, DIS-SOLVED (UG/L) (39762)	2,4,5-T DIS-SOLVED (UG/L) (39742)	TRI-CLOPYR, WATER, FLTRD, GF 0.7 U (49235)	BEN-FLUR-ALIN, WAT FLD GF, REC (82673)	ETHAL-FLUR-ALIN, WAT FLT GF, REC (82663)	ORY-ZALIN, WATER, FLTRD, GF 0.7 U (49292)	PENDI-METH-ALIN, WAT FLT GF, REC (82683)	TRI-FLUR-ALIN, WAT FLT GF, REC (82661)
JUN 01...	<.0320	<.240	<.170	<.140	<.0210	<.0350	<.250	<.0020	<.0040	<.310	<.0040	<.0020

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

LEFLORE COUNTY--Continued

332304090201001 N081 RAY JOHNSON--Continued

DATE	ALPHA BHC DIS- SOLVED (UG/L) (34253)	CHLORO- THALO- NIL, WAT, FLT GF 0.7U REC (UG/L) (49306)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DACTHAL MONO- ACID, WAT, FLT GF 0.7U REC (UG/L) (49304)	P, P' DDE DISSOLV (UG/L) (34653)	DICHLO- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	LINDANE DIS- SOLVED (UG/L) (39341)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)
JUN 01...	<.0020	<.480	<.0020	<.0170	<.0060	<1.20	<.001	<.004	<.0010	<.0040	<.002	<.0170
DATE	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PER- METHRIN WAT FLT 0.7 U GF, REC (UG/L) (82687)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	METRI- BUZIN WATER FLTRD 0.7 U GF, REC (UG/L) (82630)
JUN 01...	<.0030	<.0030	<.005	<.0060	<.004	<.0020	<.0130	<.0050	<.001	<.0020	<.0040	<.004
DATE	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	TER- BACIL WATER, FLTRD 0.7 U GF, REC (UG/L) (82665)	FEN- URON, WATER, FLTRD 0.7 U GF, REC (UG/L) (49297)	DIURON, WATER, FLTRD 0.7 U GF, REC (UG/L) (49300)	FLUO- METURON WATER, FLTRD 0.7 U GF, REC (UG/L) (38811)	LINURON WATER, FLTRD 0.7 U GF, REC (UG/L) (38478)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	NEB- URON, WATER, FLTRD 0.7 U GF, REC (UG/L) (49294)	TEBU- THURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	ACIFL- UORFEN WATER, FLTRD 0.7 U GF, REC (UG/L) (49315)
JUN 01...	<.0180	<.0050	<.0350	<.0070	<.0130	<.0200	<.0350	<.0180	<.0020	<.0150	<.0100	<.0350
DATE	BENTA- ZON, WATER, FLTRD GF 0.7U REC (UG/L) (38711)	BRO- MOXYNIL WATER, FLTRD GF 0.7U REC (UG/L) (49311)	CHLOR- AMBN, WATER, FLTRD GF 0.7U REC (UG/L) (49307)	CLOPYR- ALID, WATER, FLTRD GF 0.7U REC (UG/L) (49305)	DICAMBA ANILINE WAT FLT 0.7 U GF, REC (UG/L) (38442)	2,6-DI- ETHYL WATER, WAT FLT 0.7 U GF, REC (UG/L) (82660)	DINOSEB WATER, FLTRD 0.7 U GF, REC (UG/L) (49301)	DNOC WAT, FLT 0.7 U GF, REC (UG/L) (49299)	NORFLUR AZON, WATER, FLTRD GF 0.7U REC (UG/L) (49293)	PIC- LORAM, WATER, FLTRD GF 0.7U REC (UG/L) (49291)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	1,2- DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)
JUN 01...	<.0140	<.0350	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130	<.036
DATE	CHLORO- ETHANE TOTAL (UG/L) (34311)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	ETHANE, 1,1,2,2 TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHANE BROMO- CHLORO- WAT UNFLTRD REC (UG/L) (77297)	BROMO- DI- CHLORO- METHANE TOTAL (UG/L) (32101)
JUN 01...	<.120	<.066	<.134	<.032	<.064	<.032	<.044	<.132	<.362	<.148	<.044	<.048
DATE	DI- BROMO- METHANE WHOLE RECOVER (UG/L) (30217)	BROMO- FORM TOTAL (UG/L) (32104)	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	CHLORO- DI- BROMO- RIDE TOTAL (UG/L) (32105)	METHYL CHLO- RIDE TOTAL (UG/L) (34423)	DI- CHLORO- ENE FLUORO- METHANE TOTAL (UG/L) (34668)	CHLORO- FORM TOTAL (UG/L) (32106)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT. REC (UG/L) (82625)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)
JUN 01...	<.050	<.104	<.254	<.182	<.382	<.096	E.003	<.092	<.088	<.076	<.214	<.068
DATE	1,3-DI- CHLORO- PROPANE WAT, WH TOTAL (UG/L) (77173)	2,2-DI- CHLORO- PRO- PANE WAT, WH TOTAL (UG/L) (77170)	123-TRI- CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	2BUTENE TRANS-1 4-DI- CHLORO UNFLTRD RECOVER (UG/L) (73547)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)
JUN 01...	<.116	<.078	<.070	<.142	<.692	<.100	<.112	<.044	<.038	<.032	<.038	<.038
DATE	PROPENE 3- CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	1,1-DI- CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	ETHYL- BENZENE TOTAL (UG/L) (34371)	TOLUENE TOTAL (UG/L) (34010)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	BENZENE 123-TRI- METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)
JUN 01...	<.196	<.026	<.092	<.134	<.186	<.048	<.096	E.008	<.038	E.047	<.064	<.124

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

LEFLORE COUNTY--Continued

332304090201001 N081 RAY JOHNSON--Continued

DATE	BENZENE 124-TRI METHYL UNFLTRD RECOVER (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)	PREH- NITENE WATER UNFLTRD RECOVER (UG/L) (49999)	ISO- DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (UG/L) (77356)	BENZENE TOTAL (UG/L) (34030)	NAPHTH- ALENE TOTAL (UG/L) (34696)	STYRENE TOTAL (UG/L) (77128)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)
JUN 01...	E.013	<.044	<.230	<.240	<.032	<.042	<.100	<.110	<.032	<.250	<.042	<4.90
DATE	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (81576)	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (50004)	1,2,3- TRI- BUTYL ETHER WAT UNF REC (UG/L) (78032)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (50005)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (81577)	TOLUENE P-CHLOR SULFIDE WATER WHOLE TOTAL (UG/L) (81607)	CARBON DI- ETHYL- WATER WHOLE TOTAL (UG/L) (77103)	METHAC- RYLATE ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (78133)	METHYL ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (81595)	METH- ACRYLO- NITRILE WATER UNFLTRD RECOVER (UG/L) (81555)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (34301)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)
JUN 01...	<.170	<.054	<.112	<.112	<.098	E1.77	<.746	<.374	<1.65	<.036	<.028	<.048
DATE	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	1,2,3- TRI- BUTYL ETHER WAT UNF REC (UG/L) (77613)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	TOLUENE P-CHLOR SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	CARBON DI- ETHYL- WATER WHOLE TOTAL (UG/L) (73570)	METHAC- RYLATE ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METHYL ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (81593)	METH- ACRYLO- NITRILE WATER UNFLTRD RECOVER (UG/L) (81597)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (34215)	ACRYLO- NITRILE TOTAL (UG/L) (34215)
JUN 01...	<.054	<.050	<.266	<.188	<.042	<.056	<.080	<.278	<.612	<.570	<.350	<1.23

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

PANOLA COUNTY

341827090080501 P034 BILL BATTLE

DATE	TIME	GEO-LOGIC UNIT	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)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DBG C) (00010)	TUR-BID-ITY (NTU) (00076)
JUN 10...	1000	112MRVA	110.00	36	47	4040	.10	4040	580	7.1	18.5	.32
DATE	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L) AS CA (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L) AS MG (00925)	SODIUM, DIS-SOLVED (MG/L) AS NA (00930)	POTAS-SIUM, DIS-SOLVED (MG/L) AS K (00935)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	SULFIDE TOTAL (MG/L) AS S (00745)	SULFATE DIS-SOLVED (MG/L) AS SO4 (00945)	CHLO-RIDE, DIS-SOLVED (MG/L) AS CL (00940)	FLUO-RIDE, DIS-SOLVED (MG/L) AS F (00950)
JUN 10...	762	<.1	68	11	28	2.2	265	217	.0	22	30	<.10
DATE	BROMIDE DIS-SOLVED (MG/L) AS BR (71870)	SILICA, DIS-SOLVED (MG/L) AS STO2 (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)	NITRO-GEN, AM-MONIA + ORGANIC DIS. DIS. (MG/L) AS N (00623)	PHOS-PHORUS DIS-SOLVED (MG/L) AS P (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L) AS P (00671)	IRON, DIS-SOLVED (UG/L) AS FE (01046)	IRON FERROUS WATER UNPLTRD (UG/L) (99032)	
JUN 10...	.55	28	334	.015	<.050	.404	.38	.213	.202	9200	7200	
DATE	ALUM-INUM, DIS-SOLVED (UG/L) (01106)	ANTI-MONY, DIS-SOLVED (UG/L) AS SB (01095)	ARSENIC DIS-SOLVED (UG/L) AS AS (01000)	BARIUM, DIS-SOLVED (UG/L) AS BA (01005)	BERYL-LIUM, DIS-SOLVED (UG/L) AS BE (01010)	CADMIUM, DIS-SOLVED (UG/L) AS CD (01025)	CHRO-MIUM, DIS-SOLVED (UG/L) AS CR (01030)	COBALT, DIS-SOLVED (UG/L) AS CO (01035)	COPPER, DIS-SOLVED (UG/L) AS CU (01040)			
JUN 10...		3.5	<1.0	2	721	<1.0	<1.0	2.1	<1.0	<1.0		
DATE	LEAD, DIS-SOLVED (UG/L) AS PB (01049)	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)	ZINC, DIS-SOLVED (UG/L) AS ZN (01090)	URANIUM NATURAL DIS-SOLVED (AS U) (22703)				
JUN 10...		<1.0	1890	<1.0	1.1	<1	<1.0	1.6	<1.0			
DATE	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	RADON 222 TOTAL (PCI/L) (82303)	RN-222 2 SIGMA WHOLE, TOTAL (PCI/L) (76002)	TRITIUM WHOLE, TOTAL (PCI/L) (07000)	TRITIUM CARBON, ORGANIC DIS-SOLVED (MG/L) AS C (00681)	ACETO-CHLOR, WATER, FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC (UG/L) (46342)	METO-LACHLOR WATER, DISSOLV (UG/L) (39415)	NAPPROP-AMIDE WATER FLTRD 0.7 U (82684)	PRON-AMIDE WATER FLTRD 0.7 U (82676)	
JUN 10...	-15.3	-2.58	176	19	13	1.3	1.5	<.0020	<.002	<.002	<.0030	<.0030
DATE	PROP-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL, WATER, FLTRD 0.7 U GF, REC (82679)	ALDI-CARB, WATER, FLTRD 0.7 U GF, REC (49312)	ALDI-CARB, SULFONE WAT,FLT REC (49313)	ALDICA-RB SUL-FOXIDE, WAT,FLT REC (49314)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL, WATER, FLTRD 0.7 U GF, REC (49310)	CAR-BARYL, WATER, FLTRD 0.7 U GF, REC (82680)	CARBO-FURAN, WATER, FLTRD 0.7 U GF, REC (49309)	CARBO-FURAN, WATER, FLTRD 0.7 U GF, REC (82674)	3HYDRXY CARBO-FURAN WAT,FLT REC (49308)	EPTC WATER FLTRD 0.7 U GF, REC (82668)
JUN 10...	<.0070	<.0040	<.550	<.100	<.0210	<.0020	<.0080	<.0030	<.120	<.0030	<.0140	<.0020
DATE	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (49296)	MOL-INATE, WATER, FLTRD 0.7 U GF, REC (82671)	OXAMYL, WATER, FLTRD, GF 0.7U REC (38866)	PEB-ULATE, WATER, FLTRD 0.7 U GF, REC (82669)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (49236)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (38538)	THIO-BENCARB, WATER, FLTRD 0.7 U GF, REC (82681)	TRIAL-LATE, WATER, FLTRD 0.7 U GF, REC (82678)	DICHLOR PROP, WATER, FLTRD 2,4-D, DIS-SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (49302)	
JUN 10...	<.0260	<.0170	<.0040	<.0180	<.0040	<.0350	<.0350	<.0020	<.0010	<.150	<.0320	<.620
DATE	MCPA, WATER, FLTRD, GF 0.7U REC (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (38487)	SILVEX, DIS-SOLVED (UG/L) (39762)	2,4,5-T DIS-SOLVED (UG/L) (39742)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (49235)	BEN-FLUR-ALIN, WAT FLD 0.7 U GF, REC (82673)	ETHAL-FLUR-ALIN, WAT FLT 0.7 U GF, REC (82663)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (49292)	PENDI-METH-ALIN, WAT FLT 0.7 U GF, REC (82683)	TRI-FLUR-ALIN, WAT FLT 0.7 U GF, REC (82661)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	CHLORO-THALO-NIL, WAT,FLT 0.7U GF 0.7U REC (49306)
JUN 10...	<.170	<.140	<.0210	<.0350	<.250	<.0020	<.0040	<.310	<.0040	<.0020	<.0020	<.480

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

PANOLA COUNTY--Continued

341827090080501 P034 BILL BATTLE--Continued

DATE	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DACTHAL MONO- ACID, WAT, FLT GF 0.7U REC (UG/L) (49304)	P, P' DDE DISSOLV (UG/L) (34653)	DICHLOR- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	LINDANE DIS- SOLVED (UG/L) (39341)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FOFOPOS WATER DISS REC (UG/L) (04095)
JUN 10...	<.0020	<.0170	<.0060	<1.20	<.001	<.004	<.0010	<.0040	<.002	<.0170	<.0030	<.0030
DATE	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	METRI- BUZIN WATER, DISS, REC (UG/L) (82630)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)
JUN 10...	<.005	<.0060	<.004	<.0020	<.0130	<.0050	<.001	<.0020	<.0040	<.004	<.0180	<.0050
DATE	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	TER- BACIL WATER, FLTRD 0.7 U GF, REC (UG/L) (82665)	FEN- URON, WATER, FLTRD 0.7 U GF 0.7U REC (UG/L) (49297)	DIURON, WATER, FLTRD 0.7 U GF 0.7U REC (UG/L) (49300)	FLUO- METURON WATER, FLTRD 0.7 U GF 0.7U REC (UG/L) (38811)	LINURON WATER, FLTRD 0.7 U GF 0.7U REC (UG/L) (38478)	LIN- URON WATER, FLTRD 0.7 U GF, REC (UG/L) (82666)	NEB- URON, WATER, FLTRD 0.7 U GF 0.7U REC (UG/L) (49294)	TEBU- THIURON WATER, FLTRD 0.7 U GF, REC (UG/L) (82670)	ACIFL- UORFEN WATER, FLTRD 0.7 U GF 0.7U REC (UG/L) (49315)	BENTA- ZON, WATER, FLTRD 0.7 U GF 0.7U REC (UG/L) (38711)	BRO- MOXYNIL WATER, FLTRD 0.7 U GF 0.7U REC (UG/L) (49311)
JUN 10...	<.0350	<.0070	<.0130	<.0200	<.0350	<.0180	<.0020	<.0150	<.0100	<.0350	<.0140	<.0350
DATE	CHLOR- AMBEN, WATER, FLTRD GF 0.7U REC (UG/L) (49307)	CLOPYR- ALID, WATER, FLTRD GF 0.7U REC (UG/L) (49305)	DICAMBA WATER, FLTRD GF 0.7U REC (UG/L) (38442)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DINOSIB WATER, FLTRD 0.7 U GF 0.7U REC (UG/L) (49301)	DNOC WAT, FLT 0.7 U GF 0.7U REC (UG/L) (49299)	NORFLUR AZON, WATER, FLTRD GF 0.7U REC (UG/L) (49293)	PIC- LORAM, WATER, FLTRD GF 0.7U REC (UG/L) (49291)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	1,2- DIBROMO ETHANE WATER FLTRD 0.7 U TOTAL (UG/L) (77651)	CHLORO- ETHANE WHOLE TOTAL (UG/L) (34311)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)
JUN 10...	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130	<.144	<.480	<.264
DATE	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	ETHANE, 1,1,2,2 TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHANE BROMO- CHLORO- WAT UNFLTRD REC (UG/L) (77297)	BROMO- DI- CHLORO- METHANE TOTAL (UG/L) (32101)	DI- BROMO- METHANE WATER WHOLE RECOVER (UG/L) (30217)	BROMO- FORM TOTAL (UG/L) (32104)
JUN 10...	<.536	<.128	<.256	<.128	<.176	<.528	<1.45	<.592	<.176	<.192	<.200	<.416
DATE	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	METHYL CHLO- RIDE TOTAL (UG/L) (34423)	DI- CHLORO- DI- FLUORO- RIDE TOTAL (UG/L) (34668)	CHLORO- FORM TOTAL (UG/L) (32106)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT.REC (UG/L) (82625)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)	1,3-DI- CHLORO- PROPANE WAT. WH TOTAL (UG/L) (77173)	2,2-DI- CHLORO- PRO- PANE WAT, WH TOTAL (UG/L) (77170)
JUN 10...	<1.02	<.728	<1.53	<.384	<.208	<.368	<.352	<.304	<.856	<.272	<.464	<.312
DATE	123-TRI CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	2BUTENE TRANS-1 4-DI- CHLORO UNFLTRD RECOVER (UG/L) (73547)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	1,1-DI- CHLORO- ETHYLENE TOTAL (UG/L) (34501)	CIS-1,2 DI- CHLORO- ETHYLENE WATER TOTAL (UG/L) (77093)	TRANS- 1,2-DI- CHLORO- ETHYLENE TOTAL (UG/L) (34546)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)	PROPENE 3- CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	1,1-DI- CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)
JUN 10...	<.280	<.568	<2.77	<.400	<.448	<.176	<.152	<.128	<.152	<.152	<.784	<.104
DATE	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	ETHYL- BENZENE TOTAL (UG/L) (34371)	TOLUENE TOTAL (UG/L) (34010)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	BENZENE 123-TRI METHYL WATER UNFLTRD RECOVER (UG/L) (77221)	BENZENE 124-TRI METHYL WATER UNFLTRD RECOVER (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)
JUN 10...	<.368	<.536	<.744	<.192	<.384	<.120	<.152	<.256	<.256	<.496	<.224	<.176

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

PANOLA COUNTY--Continued

341827090080501 P034 BILL BATTLE--Continued

	PREH- NITENE WATER UNFLTRD RECOVER (UG/L) (49999)	ISO- DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (UG/L) (77356)	BENZENE TOTAL (UG/L) (34030)	NAPHTH- ALENE TOTAL (UG/L) (34696)	STYRENE TOTAL (UG/L) (77128)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT- BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)
JUN 10...	<.920	<.960	<.128	<.168	<.400	<.440	<.128	<1.00	<.168	<19.6	<.680	<.216
DATE	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	ETHER TERT- PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	DI-ISO- PROPYL- ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	2-HEXA- NONE WATER WHOLE TOTAL (UG/L) (77103)	METHYL ISO- BUTYL KETONE WAT. WH. TOTAL (UG/L) (78133)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	CHLORO- BENZENE TOTAL (UG/L) (34301)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	
JUN 10...	<.448	<.448	<.392	<4.59	<2.98	<1.50	<6.60	<.144	<.112	<.192	<.216	
DATE	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	1,2,3- TRI- CHLORO- BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	CARBON DI- SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	METHAC- RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	METHYL ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METH- ACRYLO- NITRILE WATER UNFLTRD RECOVER (UG/L) (81593)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	ACRYLO- NITRILE TOTAL (UG/L) (34215)	
JUN 10...	<.200	<1.06	<.752	<.168	<.224	<.320	<1.11	<2.45	<2.28	<1.40	<4.90	

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

SHARKEY COUNTY

324806090553601 G028 TOWN OF CARY

					OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)		SAMPLER TYPE (CODE)		SAMPLING CONDITION		SAMPLING METHOD, CODES		SPECIFIC CONDUCTANCE (US/CM)	
DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	FLOW RATE (G/M)			SAMPLE SOURCE							
			(72008)	(00059)	(72004)	(72005)	(84164)	(72006)	(82398)	(00095)				
MAY 20...	0900	124SPRT	800.00	567	15	47	4040	.10	4040	813				
	PH WATER WHOLE FIELD (STANDARD UNITS)	TEMPERATURE WATER (DEG C)	TURBIDITY (NTU)	BAROMETRIC PRESSURE (MM OF HG)	OXYGEN, DIS-SOLVED (MG/L)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNESIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE WATER DIS IT FIELD HCO3				
DATE	(00400)	(00010)	(00076)	(00025)	(00300)	(00915)	(00925)	(00930)	(00935)	(00453)				
MAY 20...	8.9	24.0	.41	767	<.1	.31	.086	191	1.0	401				
	CARBONATE WATER DIS IT FIELD (MG/L AS CO3)	ALKALINITY WAT DIS TOT IT FIELD (MG/L AS CAC03)	SULFIDE TOTAL (MG/L AS S)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	BROMIDE DIS-SOLVED (MG/L AS BR)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L)					
DATE	(00452)	(39086)	(00745)	(00945)	(00940)	(00950)	(71870)	(00955)	(70300)					
MAY 20...	26	373	.1	.35	27	.63	.074	11	497					
	NITROGEN, NITRATE DIS-SOLVED (MG/L AS N)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS-SOLVED (MG/L AS N)	PHOSPHORUS ORTHO, DIS-SOLVED (MG/L AS P)	IRON, DIS-SOLVED (UG/L AS FE)	IRON FERROUS WATER UNFLTRD (UG/L)							
DATE	(00613)	(00631)	(00608)	(00623)	(00671)	(01046)	(99032)							
MAY 20...		.010	<.050	.522	.81	.530	22	60						
	ALUMINUM, DIS-SOLVED (UG/L AS AL)	ANTIMONY, DIS-SOLVED (UG/L AS SB)	ARSENIC DIS-SOLVED (UG/L AS AS)	BARIUM, DIS-SOLVED (UG/L AS BA)	BERYLLIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM DIS-SOLVED (UG/L AS CD)	CHROMIUM, DIS-SOLVED (UG/L AS CR)	COBALT, DIS-SOLVED (UG/L AS CO)						
DATE	(01106)	(01095)	(01000)	(01005)	(01010)	(01025)	(01030)	(01035)						
MAY 20...	10	<1.0	<1	5.0	<1.0	<1.0	1.5	<1.0						
	COPPER, DIS-SOLVED (UG/L AS CU)	LEAD, DIS-SOLVED (UG/L AS PB)	MANGANESE, DIS-SOLVED (UG/L AS MN)	MOLYBDENUM, DIS-SOLVED (UG/L AS MO)	NICKEL, DIS-SOLVED (UG/L AS NI)	SELENIUM, DIS-SOLVED (UG/L AS SE)	ZINC, DIS-SOLVED (UG/L AS ZN)	URANIUM NATURAL DIS-SOLVED (AS U)						
DATE	(01040)	(01049)	(01056)	(01060)	(01065)	(01145)	(01090)	(22703)						
MAY 20...	<1.0	<1.0	<1.0	<1.0	<1.0	<1	1.1	<1.0						
	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL	RADON 222 TOTAL (PCI/L)	RN-222 2 SIGMA WHOLE, TOTAL (PCI/L)	TRITIUM TOTAL (PCI/L)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C)	ACETOCHLOR, WATER, FLTRD REC (UG/L)	ALACHLOR, WATER, DISS, REC (UG/L)	METOLACHLOR WATER, DISSOLV (UG/L)	NAPROPRAMIDE WATER FLTRD 0.7 U (UG/L)	PROPIONAMIDE WATER FLTRD 0.7 U (UG/L)			
DATE	(82082)	(82085)	(82303)	(76002)	(07000)	(75985)	(00681)	(49260)	(46342)	(39415)	(82684)	(82676)		
MAY 20...	-24.1	-4.78	117	17	<1.0	1.0	3.6	.0314	<.002	.005	<.0030	<.0030		
	PROPACHLOR, WATER, DISS, REC (UG/L)	PROPANIL WATER, FLTRD 0.7 U GF, REC (UG/L)	ALDICARB, WATER, FLTRD 0.7 U GF, REC (UG/L)	ALDICARB, SULFONE WAT, FLTRD 0.7 U GF, REC (UG/L)	ALDICARB SULFOXIDE, WAT, FLTRD 0.7 U GF, REC (UG/L)	BUTYLATE, WATER, DISS, REC (UG/L)	CARBARYL, WATER, FLTRD 0.7 U GF, REC (UG/L)	CARBARYL, WATER, FLTRD 0.7 U GF, REC (UG/L)	CARBOFURAN, WATER, FLTRD 0.7 U GF, REC (UG/L)	CARBOFURAN, WATER, FLTRD 0.7 U GF, REC (UG/L)	3HYDRXY CARBOFURAN, WAT, FLTRD 0.7 U GF, REC (UG/L)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L)		
DATE	(04024)	(82679)	(49312)	(49313)	(49314)	(04028)	(49310)	(82680)	(49309)	(82674)	(49308)	(82668)		
MAY 20...	<.0070	<.0040	<.550	<.100	<.0210	<.0020	<.0080	<.0030	<.120	<.0030	<.0140	<.0020		
	METHIOCARB, WATER, FLTRD 0.7 U GF, REC (UG/L)	METHOMYL, WATER, FLTRD 0.7 U GF, REC (UG/L)	MOLINATE WATER, FLTRD 0.7 U GF, REC (UG/L)	OXAMYL, WATER, FLTRD 0.7 U GF, REC (UG/L)	PEBULATE WATER, FLTRD 0.7 U GF, REC (UG/L)	PROPHAM, WATER, FLTRD 0.7 U GF, REC (UG/L)	PROPOKUR, WATER, FLTRD 0.7 U GF, REC (UG/L)	THIOBENCARB, WATER, FLTRD 0.7 U GF, REC (UG/L)	TRIALATE WATER, FLTRD 0.7 U GF, REC (UG/L)	2,4-D, DIS-SOLVED (UG/L)	DICHLOR PROP, WATER, FLTRD 0.7 U GF, REC (UG/L)	2,4-DB WATER, FLTRD 0.7 U GF, REC (UG/L)		
DATE	(38501)	(49296)	(82671)	(38866)	(82669)	(49236)	(38538)	(82681)	(82678)	(39732)	(49302)	(38746)		
MAY 20...	<.0260	<.0170	<.0040	<.0180	<.0040	<.0350	<.0350	<.0020	<.0010	<.150	<.0320	<.240		

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

SHARKEY COUNTY--Continued

324806090553601 G028 TOWN OF CARY--Continued

	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	SILVEX, DIS- SOLVED (UG/L) (39762)	2,4,5-T DIS- SOLVED (UG/L) (39742)	TRI- CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	BEN- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82673)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ORY- ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)
MAY 20...	<.170	<.140	<.0210	<.0350	<.250	<.0020	<.0040	<.310	<.0040	<.0020	<.0020	<.480
DATE	DCPA WATER, FLTRD, 0.7 U GF, REC (UG/L) (82682)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	P,P' DDE DISSOLV (UG/L) (34653)	DICHLOR- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	LINDANE DIS- SOLVED (UG/L) (39341)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DISUL- FOTON WATER, FLTRD, 0.7 U GF, REC (UG/L) (82677)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)
MAY 20...	<.0020	<.0170	<.0060	<1.20	<.001	<.004	<.0010	<.0040	<.002	<.0170	<.0030	<.0030
DATE	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BUFOS WATER, FLTRD 0.7 U GF, REC (UG/L) (82675)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	METRI- BUZIN SENSOR WATER DISSOLV (UG/L) (82630)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)
MAY 20...	<.005	<.0060	<.004	<.0020	<.0130	<.0050	.063	<.0020	.0250	<.004	<.0180	<.0050
DATE	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	TER- BACIL WATER, FLTRD, 0.7 U GF, REC (UG/L) (82665)	FEN- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	LIN- URON WATER, FLTRD, 0.7 U GF, REC (UG/L) (82666)	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	TEBU- THIURON WATER, FLTRD, 0.7 U GF, REC (UG/L) (82670)	ACIFL- UORPEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)
MAY 20...	<.0350	<.0070	<.0130	<.0200	<.0350	<.0180	<.0020	<.0150	<.0100	<.0350	<.0140	<.0350
DATE	CHLOR- AMEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DICAMBA FLTRD, GF 0.7U REC (UG/L) (38442)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DINOSEB FLTRD, GF 0.7U REC (UG/L) (49301)	DNOC WAT,FLT GF 0.7U REC (UG/L) (49299)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	1,2- DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)	CHLORO- ETHANE TOTAL (UG/L) (34311)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)
MAY 20...	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130	<.036	<.120	<.066
DATE	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	ETHANE, 1,1,2,2 TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHANE BROMO- CHLORO- WAT UNFLTRD REC (UG/L) (77297)	BROMO- DI- CHLORO- METHANE TOTAL (UG/L) (32101)	DI- BROMO- METHANE WHOLE RECOVER (UG/L) (30217)	BROMO- FORM TOTAL (UG/L) (32104)
MAY 20...	<.134	<.032	<.064	<.032	<.044	<.132	<.362	<.148	<.044	<.048	<.050	<.104
DATE	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	METHYL ENE CHLO- RIDE TOTAL (UG/L) (34423)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (32106)	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT.REC (UG/L) (82625)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)	1,3-DI- CHLORO- PROPANE WAT. WH TOTAL (UG/L) (77173)	2,2-DI- CHLORO- PRO- PANE WAT, WH TOTAL (UG/L) (77170)	
MAY 20...	<.254	<.182	<.382	<.096	<.052	<.092	<.088	<.076	<.214	<.068	<.116	<.078
DATE	123-TRI CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	HEXA- CHLORO- BUT- ADIENE RECOVER (UG/L) (39702)	2BUTENE TRANS-1 4-DI- CHLORO UNFLTRD RECOVER (UG/L) (73547)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	1,1-DI- CHLORO- ETHYLE- NE TOTAL (UG/L) (34501)	CIS-1,2 DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)	PROPENE 3- CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	1,1-DI- CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)
MAY 20...	<.070	<.142	<.692	<.100	<.112	<.044	<.038	<.032	<.038	<.038	<.196	<.026

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

SHARKEY COUNTY--Continued

324806090553601 G028 TOWN OF CARY--Continued

DATE	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	ETHYL- BENZENE TOTAL (UG/L) (34371)	TOLUENE TOTAL (UG/L) (34010)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	BENZENE 123-TRI METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)	BENZENE 124-TRI METHYL UNFLTRD RECOVER (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)
MAY 20...	<.092	<.134	<.186	<.048	<.096	<.030	<.038	<.064	<.064	<.124	<.056	<.044
DATE	PREH- NITENE WATER UNFLTRD RECOVER (UG/L) (49999)	ISO- DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (UG/L) (77356)	BENZENE TOTAL (UG/L) (34030)	NAPHTH- ALENE TOTAL (UG/L) (34696)	STYRENE TOTAL (UG/L) (77128)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT- BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)
MAY 20...	<.230	<.240	<.032	<.042	<.100	<.110	<.032	<.250	<.042	<4.90	<.170	<.054
DATE	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	ETHER TERT- PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	DI-ISO- PROPYL- ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	2-HEXA- NONE WATER WHOLE TOTAL (UG/L) (77103)	METHYL ISO- BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	CHLORO- BENZENE TOTAL (UG/L) (34301)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	
MAY 20...	<.112	<.112	<.098	<1.15	<.746	<.374	<1.65	<.036	<.028	<.048	<.054	
DATE	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	P-CHLOR SULFIDE WATER WHOLE REC (UG/L) (77277)	CARBON DI- SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	METHAC- RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	METHYL ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METH- ACRYLO- NITRILE WATER UNFLTRD RECOVER (UG/L) (81593)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	ACRYLO- NITRILE TOTAL (UG/L) (34215)	
MAY 20...	<.050	<.266	<.188	<.042	<.056	<.080	<.278	<.612	<.570	<.350	<1.23	

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

SUNFLOWER COUNTY

335318090303001 D086 JIM REED

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)	SAM-PLING METHOD, CODES (82398)	SPE-CIFIC CON-DUCTANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD WATER TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM OF HG) (00025)		
JUN 23...	1400	112MRVA	112.00	47	4040	.10	4040	558	6.9	18.5	.47	766	
DATE		OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY TOT IT FIELD (MG/L AS CACO3) (39086)	SULFIDE TOTAL (MG/L AS S) (00745)	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)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)
JUN 23...	<.1	68	16	18	2.3	285	234	.0	41	6.4	.16	.30	
DATE		SILICA, DIS-SOLVED (MG/L AS STO2) (00955)	SOLIDS, RESIDUE AT 180 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)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON FERROUS WATER UNFLTRD (UG/L) (99032)		
JUN 23...		34	339	.011	<.050	.209	.18	.056	.032	9700	2880		
DATE		ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)			
JUN 23...		3.8	<1.0	<1	387	<1.0	<1.0	2.4	<1.0	<1.0			
DATE		LEAD, DIS-SOLVED (UG/L AS PB) (01049)	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)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)				
JUN 23...		<1.0	693	<1.0	<1.0	<1	<1.0	<1.0	<1.0				
DATE		H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L) (09511)	RA-226 2 SIGMA WATER, DISS, (PCI/L) (76001)	RADON 222 TOTAL (PCI/L) (82303)	RN-222 2 SIGMA WATER, WHOLE, TOTAL, (PCI/L) (76002)	TRITIUM, WHOLE, TOTAL, (PCI/L) (07000)	TRITIUM, CARBON, 2 SIGMA, ORGANIC DIS-SOLVED, (MG/L AS C) (75985)	ACETO-CHLOR, WATER, FLTRD, REC (49260)	ALA-CHLOR, WATER, DISS, REC (46342)	METO-LACHLOR, WATER, DISSOLV (39415)	
JUN 23...	-28.0	-5.00	.53	.092	241	19	1.0	1.0	1.1	<.0020	<.002	<.002	
DATE		NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (82684)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (82676)	PRO-PANIL WATER FLTRD 0.7 U REC (04024)	ALDI-CARB WATER FLTRD 0.7 U GF 0.7U REC (82679)	ALDI-CARB SULFONE WAT, FLT GF 0.7U REC (49312)	ALDI-CARB SULFONE WAT, FLT GF 0.7U REC (49313)	ALDI-CARB SULFONE WAT, FLT GF 0.7U REC (49314)	CAR-BUTYL-ATE, WATER, FLTRD, DISS, REC (04028)	CAR-BARYL WATER, FLTRD 0.7 U GF, REC (49310)	CARBO-FURAN, WATER, FLTRD 0.7 U GF, REC (82680)	CARBO-FURAN, WATER, FLTRD 0.7 U GF, REC (49309)	CARBO-FURAN, WATER, FLTRD 0.7 U GF, REC (82674)
JUN 23...	<.0030	<.0030	<.0070	<.0040	<.550	<.100	<.0210	<.0020	<.0080	<.0030	<.120	<.0030	
DATE		3HYDRXY CARBO-FURAN WAT, FLT GF 0.7U REC (49308)	EPTC WATER FLTRD 0.7 U GF, REC (82668)	METHIO-CARB WATER, FLTRD, 0.7 U GF, REC (38501)	METH-OMYL, WATER, FLTRD, 0.7 U GF, REC (49296)	MOL-INATE WATER FLTRD 0.7 U GF, REC (82671)	OXAMYL, WATER, FLTRD, 0.7 U GF, REC (38866)	PEB-ULATE WATER, FLTRD, 0.7 U GF, REC (82669)	PRO-PHAM, WATER, FLTRD, 0.7 U GF, REC (49236)	PRO-POXUR, WATER, FLTRD, 0.7 U GF, REC (38538)	THIO-BENCARB WATER, FLTRD 0.7 U GF, REC (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (82678)	2,4-D, DIS-SOLVED (UG/L) (39732)
JUN 23...	<.0140	<.0020	<.0260	<.0170	<.0040	<.0180	<.0040	<.0350	<.0350	<.0020	<.0010	<.150	
DATE		DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (49302)	2,4-DB WATER, FLTRD, GF 0.7U REC (38746)	MCPA, WATER, FLTRD, GF 0.7U REC (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (38487)	SILVEX, DIS-SOLVED (UG/L) (39762)	2,4,5-T DIS-SOLVED (UG/L) (39742)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (49235)	BEN-FLUR-ALIN WAT FLD GF, REC (82673)	ETHAL-FLUR-ALIN WAT FLT GF, REC (82663)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (49292)	PENDI-METH-ALIN WAT FLT GF, REC (82683)	TRI-FLUR-ALIN WAT FLT GF, REC (82661)
JUN 23...	<.0320	<.320	<.170	<.140	<.0210	<.0350	<.250	<.0020	<.0040	<.310	<.0040	<.0020	

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

SUNFLOWER COUNTY--Continued

335318090303001 D086 JIM REED--Continued

DATE	ALPHA BHC DIS- SOLVED (UG/L) (34253)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	DCPA WATER FLTRD GF 0.7 U REC (UG/L) (82682)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	P,P' DDE DISSOLV (UG/L) (34653)	DICHLO- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	LINDANE DIS- SOLVED (UG/L) (39341)	METHYL AZIN- PHOS WAT FLT GF, REC (UG/L) (82686)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)
JUN 23...	<.0020	<.480	<.0020	<.0170	<.0060	<1.20	<.001	<.004	<.0010	<.0040	<.002	<.0170
DATE	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	MALA- THION, WAT FLT 0.7 U SOLVED (UG/L) (39532)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	METRI- BUZIN WATER FLTRD 0.7 U GF, REC (UG/L) (82630)
JUN 23...	<.0030	<.0030	<.005	<.0060	<.004	<.0020	<.0130	<.0050	<.001	<.0020	<.0040	<.004
DATE	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	FEN- URON, WATER, FLTRD 0.7 U GF 0.7U REC (UG/L) (49297)	DIURON, WATER, FLTRD 0.7 U GF 0.7U REC (UG/L) (49300)	FLUO- METURON WATER, FLTRD 0.7 U GF 0.7U REC (UG/L) (38811)	LINURON WATER, FLTRD 0.7 U GF 0.7U REC (UG/L) (38478)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	NEB- URON, WATER, FLTRD 0.7 U GF 0.7U REC (UG/L) (49294)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	ACIFL- UORFEN WATER, FLTRD 0.7 U GF 0.7U REC (UG/L) (49315)
JUN 23...	<.0180	<.0050	<.0350	<.0070	<.0130	<.0200	<.0350	<.0180	<.0020	<.0150	<.0100	<.0350
DATE	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CHLOR- AMBN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DICAMBA ANILINE WAT FLT 0.7 U GF, REC (UG/L) (38442)	2,6-DI- ETHYL WATER WAT FLT 0.7 U GF, REC (UG/L) (82660)	DINOSOB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DNOC WAT,FLT 0.7 U GF 0.7U REC (UG/L) (49299)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO- FARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	1,2- DIBROMO ETHANE WATER FLTRD 0.7 U GF, REC (UG/L) (77651)
JUN 23...	<.0140	<.0350	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130	<.036
DATE	CHLORO- ETHANE TOTAL (UG/L) (34311)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	ETHANE, 1,1,2,2 TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHANE BROMO CHLORO- WAT UNFLTRD REC (UG/L) (77297)	BROMO- DI- CHLORO- METHANE TOTAL (UG/L) (32101)
JUN 23...	<.120	<.066	<.134	<.032	<.064	<.032	<.044	<.132	<.362	<.148	<.044	<.048
DATE	DI- BROMO METHANE WATER WHOLE RECOVER (UG/L) (30217)	BROMO- FORM TOTAL (UG/L) (32104)	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	CHLORO- DI- BROMO METHANE TOTAL (UG/L) (32105)	METHYL ENE CHLO- RIDE TOTAL (UG/L) (34423)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	CHLORO- FORM TOTAL (UG/L) (32106)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT. REC (UG/L) (82625)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)
JUN 23...	<.050	<.104	<.254	<.182	<.382	<.096	<.052	<.092	<.088	<.076	<.214	<.068
DATE	1,3-DI- CHLORO- PROPANE WAT. WH TOTAL (UG/L) (77173)	2,2-DI- CHLORO- PRO- PANE WAT. WH TOTAL (UG/L) (77170)	123-TRI- CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	2BUTENE TRANS-1 4-DI- CHLORO UNFLTRD RECOVER (UG/L) (73547)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)
JUN 23...	<.116	<.078	<.070	<.142	<.692	<.100	<.112	<.044	<.038	<.032	<.038	<.038
DATE	PROPENE 3- CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	1,1-DI- CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	ETHYL- BENZENE TOTAL (UG/L) (34371)	TOLUENE TOTAL (UG/L) (34010)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	BENZENE 123-TRI METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)
JUN 23...	<.196	<.026	<.092	<.134	<.186	<.048	<.096	<.030	<.038	<.064	<.064	<.124

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

SUNFLOWER COUNTY--Continued

335318090303001 D086 JIM REED--Continued

DATE	BENZENE 124-TRI METHYL UNFLTRD RECOVER (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)	PREH- NITENE WATER UNFLTRD RECOVER (UG/L) (49999)	ISO- DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	ISO- PROPYL- BENZENE WATER WHOLE UNFLTRD REC (UG/L) (77223)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	P-ISO- PROPYL- TOLUENE WATER WHOLE UNFLTRD REC (UG/L) (77356)	BENZENE TOTAL (UG/L) (34030)	NAPHTH- ALENE TOTAL (UG/L) (34696)	STYRENE TOTAL (UG/L) (77128)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)
JUN 23...	<.056	<.044	<.230	<.240	<.032	<.042	<.100	<.110	<.032	<.250	<.042	<.90
DATE	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT- BUTYL ETHYL WATER UNFLTRD RECOVER (UG/L) (50004)	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	ETHER TERT- PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	DI-ISO- PROPYL- ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	2-HEXA- NONE WATER WHOLE TOTAL (UG/L) (77103)	METHYL ISO- BUTYL KETONE WAT. WH. TOTAL (UG/L) (78133)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	BROMO- BENZENE WATER, WHOLE TOTAL (UG/L) (81555)	CHLORO- BENZENE UNFLTRD TOTAL (UG/L) (34301)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)
JUN 23...	<.170	<.054	<.112	<.112	<.098	<1.15	<.746	<.374	<1.65	<.036	<.028	<.048
DATE	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 1,2,4- TRI- CHLORO WAT UNF REC (UG/L) (34551)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	CARBON DI- SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	METHAC- RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	METHYL ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METH- ACRYLO- NITRITE WATER UNFLTRD RECOVER (UG/L) (81593)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	ACRYLO- NITRILE TOTAL (UG/L) (34215)
JUN 23...	<.054	<.050	<.266	<.188	<.042	<.056	<.080	<.278	<.612	<.570	<.350	<1.23

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

SUNFLOWER COUNTY--Continued

332730090280501 R189 DOUG ROBERTS

DATE	TIME	GEO-LOGIC UNIT	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)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)
JUL 29...	1000	112MRVA	100.00	30	47	4040	.10	4040	909	7.1	18.5	.25
DATE	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L) (00925)	SODIUM, DIS-SOLVED (MG/L) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS MG/L AS CACO3) (39086)	SULFIDE TOTAL (MG/L) (00745)	SULFATE DIS-SOLVED (MG/L) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L) (00950)
JUL 29...	760	.2	110	30	29	2.9	359	294	.0	120	37	.17
DATE	SILICA, DIS-SOLVED (MG/L) (00955)	ASIO2 (70300)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L) (00613)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L) (00631)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L) (00608)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L) (00623)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L) (00671)	PHOS-PHORUS DIS-SOLVED (MG/L) (01046)	IRON, DIS-SOLVED (UG/L) (01046)	IRON FERROUS UNFLTRD (UG/L) (99032)	
JUL 29...		33	568	<.010	.058	.452	.48	<.010	<.010	8600	7600	
DATE	ALUM-INUM, DIS-SOLVED (UG/L) (01106)	ANTI-MONY, DIS-SOLVED (UG/L) (01095)	ARSENIC, DIS-SOLVED (UG/L) (01000)	BARIUM, DIS-SOLVED (UG/L) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L) (01010)	CADMIUM, DIS-SOLVED (UG/L) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L) (01030)	COBALT, DIS-SOLVED (UG/L) (01035)	COPPER, DIS-SOLVED (UG/L) (01040)			
JUL 29...		3.5	<1.0	<1	695	<1.0	<1.0	2.8	<1.0	<1.0		
DATE	LEAD, DIS-SOLVED (UG/L) (01049)	MANGA-NESE, DIS-SOLVED (UG/L) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L) (01060)	NICKEL, DIS-SOLVED (UG/L) (01065)	SELE-NIUM, DIS-SOLVED (UG/L) (01145)	SILVER, DIS-SOLVED (UG/L) (01075)	ZINC, DIS-SOLVED (UG/L) (01090)	URANIUM, NATURAL DIS-SOLVED (UG/L) (22703)				
JUL 29...		<1.0	741	<1.0	<1.0	<1	<1.0	<1.0	<1.0			
DATE	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L) (09511)	RA-226 2 SIGMA DISS, TOTAL (PCI/L) (76001)	RADON 222, TOTAL (PCI/L) (82303)	RN-222 2 SIGMA WATER, WHOLE, TOTAL (PCI/L) (76002)	TRITIUM, TOTAL (PCI/L) (07000)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL (PCI/L) (75985)	CARBON, ORGANIC DIS-SOLVED (MG/L) (00681)	ACETO-CHLOR, WATER, FLTRD, REC (UG/L) (49260)	ALA-CHLOR, WATER, FLTRD, REC (UG/L) (46342)	METO-LACHLOR, WATER, DISSOLV (UG/L) (39415)
JUL 29...	-22.9	-4.00	.92	.162	172	18	2.2	1.0	1.4	<.0020	<.002	<.002
DATE	NAPROP-AMIDE WATER, FLTRD, 0.7 U GF, REC (UG/L) (82684)	FRON-AMIDE WATER, FLTRD, 0.7 U GF, REC (UG/L) (82676)	PROP-CHLOR, WATER, DISS, REC (UG/L) (04024)	PANIL WATER, FLTRD, 0.7 U GF, REC (UG/L) (82679)	ALDI-CARB, WATER, FLTRD, 0.7 U GF, REC (UG/L) (49312)	ALDI-CARB, SULFONE WAT, FLT, 0.7 U GF, REC (UG/L) (49313)	ALDICA-RB SUL-FOXIDE, WAT, FLT, 0.7 U GF, REC (UG/L) (49314)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL, WATER, FLTRD, 0.7 U GF, REC (UG/L) (49310)	CAR-BARYL, WATER, FLTRD, 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN, WATER, FLTRD, 0.7 U GF, REC (UG/L) (49309)	CARBO-FURAN, WATER, FLTRD, 0.7 U GF, REC (UG/L) (82674)
JUL 29...	<.0030	<.0030	<.0070	<.0040	<.550	<.100	<.0210	<.0020	<.0080	<.0030	<.120	<.0030
DATE	3HYDRXY CARBO-FURAN WAT, FLT, GF 0.7U REC (UG/L) (49308)	EPTC WATER, FLTRD, 0.7 U GF, REC (UG/L) (82668)	METHIO-CARB, WATER, FLTRD, 0.7 U GF, REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, 0.7 U GF, REC (UG/L) (49296)	MOL-INATE, WATER, FLTRD, 0.7 U GF, REC (UG/L) (82671)	OXAMYL, WATER, FLTRD, 0.7 U GF, REC (UG/L) (38866)	PEB-ULATE, WATER, FLTRD, 0.7 U GF, REC (UG/L) (82669)	PRO-PHAM, WATER, FLTRD, 0.7 U GF, REC (UG/L) (49236)	PRO-POXUR, WATER, FLTRD, 0.7 U GF, REC (UG/L) (38538)	THIO-BENCARB, WATER, FLTRD, 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE, WATER, FLTRD, 0.7 U GF, REC (UG/L) (82678)	2,4-D, DIS-SOLVED (UG/L) (39732)
JUL 29...	<.0140	<.0020	<.0260	<.0170	<.0040	<.0180	<.0040	<.0350	<.0350	<.0020	<.0010	<.150
DATE	DICHLOR PROP, WATER, FLTRD, 0.7U REC (UG/L) (49302)	2,4-DB WATER, FLTRD, 0.7U GF, REC (UG/L) (38746)	MCPA, WATER, FLTRD, 0.7U GF, REC (UG/L) (38482)	MCPB, WATER, FLTRD, 0.7U GF, REC (UG/L) (38487)	SILVEX, DIS-SOLVED (UG/L) (39762)	2,4,5-T DIS-SOLVED (UG/L) (39742)	TRI-CLOPYR, WATER, FLTRD, 0.7U GF, REC (UG/L) (49235)	BEN-FLUR-ALIN, WAT FLD, 0.7 U GF, REC (UG/L) (82673)	ETHAL-FLUR-ALIN, WAT FLT, 0.7 U GF, REC (UG/L) (82663)	ORY-ZALIN, WATER, FLTRD, 0.7 U GF, REC (UG/L) (49292)	PENDI-METH, WAT FLT, 0.7 U GF, REC (UG/L) (82683)	TRI-FLUR-ALIN, WAT FLT, 0.7 U GF, REC (UG/L) (82661)
JUL 29...	<.0320	<.790	<.170	<.140	<.0210	<.0350	<.250	<.0020	<.0040	<.310	<.0040	<.0020

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

SUNFLOWER COUNTY--Continued

332730090280501 R189 DOUG ROBERTS--Continued

DATE	ALPHA BHC DIS- SOLVED (UG/L) (34253)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	DCPA WATER FLTRD GF 0.7U GF, REC (UG/L) (82682)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	P, P' DDE DISSOLV (UG/L) (34653)	DICHLOR- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	LINDANE DIS- SOLVED (UG/L) (39341)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)
JUL 29...	<.0020	<.480	<.0020	<.0170	<.0060	<1.20	<.001	<.004	<.0010	<.0040	<.002	<.0170
DATE	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS SOLVED (UG/L) (04095)	MALA- THION, WAT FLT 0.7 U GF, REC (UG/L) (39532)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	METRI- BUZIN WATER FLTRD 0.7 U GF, REC (UG/L) (82630)
JUL 29...	<.0030	<.0030	<.005	<.0060	<.004	<.0020	<.0130	<.0050	<.001	<.0020	<.0040	<.004
DATE	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	TER- BACIL, WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	FEN- URON, WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49297)	DIURON, WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49300)	FLUO- METURON WATER, FLTRD, GF 0.7U GF, REC (UG/L) (38811)	LINURON WATER, FLTRD, GF 0.7U GF, REC (UG/L) (38478)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	NEB- URON, WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49294)	TEBU- THIURON WATER, FLTRD, GF 0.7U GF, REC (UG/L) (82670)	ACIFL- UORPEN WATER FLTRD 0.7 U GF, REC (UG/L) (49315)
JUL 29...	<.0180	<.0050	<.0350	<.0070	<.0130	<.0200	<.0350	<.0180	<.0020	<.0150	<.0100	<.0350
DATE	BENTA- ZON, WATER, FLTRD, GF 0.7U GF, REC (UG/L) (38711)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49311)	CHLOR- AMBN, WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49307)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49305)	DICAMBA WATER, FLTRD, GF 0.7U GF, REC (UG/L) (38442)	2, 6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DINOSIB WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49301)	DNOC WAT,FLT GF 0.7U GF, REC (UG/L) (49299)	NORFLUR AZON, WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49293)	PIC- LORAM, WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49291)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	1, 2- DIBROMO ETHANE WATER FLTRD 0.7 U GF, REC (UG/L) (77651)
JUL 29...	<.0140	<.0350	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130	<.144
DATE	CHLORO- ETHANE TOTAL (UG/L) (34311)	1, 1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)	1, 2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	1, 1, 1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1, 1, 2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	ETHANE, 1, 1, 2, 2 TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	ETHANE HEXA- CHLORO- WAT UNF RECOVER (UG/L) (34396)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHANE BROMO- CHLORO- WAT UNF RECOVER (UG/L) (77297)	BROMO- DI- CHLORO- METHANE TOTAL (UG/L) (32101)
JUL 29...	<.480	<.264	<.536	<.128	<.256	<.128	<.176	<.528	<1.45	<.592	<.176	<.192
DATE	DI- BROMO- METHANE WHOLE RECOVER (UG/L) (30217)	BROMO- FORM TOTAL (UG/L) (32104)	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	METHYL ENE CHLO- RIDE TOTAL (UG/L) (34423)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	CHLORO- FORM TOTAL (UG/L) (32106)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	DIBROMO CHLORO- PROPANE WHOLE TOT. REC (UG/L) (82625)	1, 2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)
JUL 29...	<.200	<.416	<1.02	<.728	<1.53	<.552	<.208	<.368	<.352	<.832	<.856	<.272
DATE	1, 3-DI- CHLORO- PROPANE WAT. WH TOTAL (UG/L) (77173)	2, 2-DI- CHLORO- PRO- PANE WAT, WH TOTAL (UG/L) (77170)	123-TRI- CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	2BUTENE TRANS-1 4-DI- CHLORO UNFLTRD RECOVER (UG/L) (73547)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	1, 1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	CIS-1, 2 -DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	TRANS- 1, 2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)
JUL 29...	<.464	<.312	<.648	<.568	<2.77	<.400	<.448	<.176	<.152	<.128	<.152	<.408
DATE	PROPENE 3- CHLORO- WATER UNFLTRD TOTAL (UG/L) (78109)	1, 1-DI- CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)	CIS 1, 3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	TRANS- 1, 3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	BENZENE N-BUTYL WATER UNFLTRD TOTAL (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	ETHYL- BENZENE TOTAL (UG/L) (34371)	TOLUENE TOTAL (UG/L) (34010)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	BENZENE 123-TRI METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)
JUL 29...	<.784	<.104	<.368	<.536	<.744	<.192	<.384	<.120	<.216	<.256	<.256	<.496

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

SUNFLOWER COUNTY--Continued

332730090280501 R189 DOUG ROBERTS--Continued

DATE	BENZENE 124-TRI METHYL UNFLTRD RECOVER (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)	PREH- NITENE WATER UNFLTRD RECOVER (UG/L) (49999)	ISO- DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (UG/L) (77356)	BENZENE TOTAL (UG/L) (34030)	NAPHTH- ALENE TOTAL (UG/L) (34696)	STYRENE TOTAL (UG/L) (77128)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)
JUL 29...	<.224	<.176	<.920	<.960	<.128	<.168	<.400	<.440	<.400	<1.00	<.168	<19.6
DATE	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT- BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	ETHER TERT- PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	DI-ISO- PROPYL- ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	FURAN, TETRA- HYDRO- NONE WATER UNFLTRD RECOVER (UG/L) (81607)	2-HEXA- NONE WATER WHOLE TOTAL (UG/L) (77103)	METHYL ISO- BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	CHLORO- BENZENE UNFLTRD TOTAL (UG/L) (34301)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)
JUL 29...	1.11	<.216	<.664	<.448	<.392	<35.2	<2.98	<1.50	<6.60	<.144	<.112	<.192
DATE	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	1,2,3- TRI- CHLORO- BENZENE WAT. WH REC (UG/L) (77613)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	CARBON DI- SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	METHAC- RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	METHYL ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METH- ACRYLO- NITRILE WATER UNFLTRD RECOVER (UG/L) (81593)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	ACRYLO- NITRILE TOTAL (UG/L) (34215)
JUL 29...	<.216	<.200	<1.06	<.752	<.168	<.224	<1.48	<1.11	<5.43	<2.28	<1.40	<4.90

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

TALLAHATCHIE COUNTY

335207090165501 0095 JACK FLAUTT JR

		PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)					SAMPLER TYPE (CODE)			SPE-CIFIC CON-DUCT-ANCE (US/CM)		PH WATER WHOLE FIELD (STAND-ARD UNITS)		TEMPER-ATURE WATER (DEG C)		TUR-BID-ITY (NTU)	
DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	TO SAM-PLING (MIN) (72004)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	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)	TUR-BID-ITY (NTU) (00076)					
JUN 23...	1300	112MRVA	100.00	20	47	4040	.10	4040	376	6.9	18.5	1.1					
DATE		BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L AS CA) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT TOT IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	SULFIDE TOTAL (MG/L AS S) (00745)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)				
JUN 23...	761	<.1	49	12	4.5	2.3	232	190	.0	8.8	3.8	.26					
DATE		BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	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)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON FERROUS UNFLTRD (UG/L) (99032)					
JUN 23...	.48	33	224	.016	<.050	.143	<.10	.304	.212	7400	3300						
DATE		ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)							
JUN 23...		3.3	<1.0	2	228	<1.0	<1.0	1.8	<1.0	<1.0							
DATE		LEAD, DIS-SOLVED (UG/L AS PB) (01049)	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)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)								
JUN 23...		<1.0	973	<1.0	<1.0	<1	<1.0	<1.0	<1.0								
DATE		H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	RN-222 RADON WATER, WHOLE, TOTAL (PCI/L) (82303)	TRITIUM WATER, WHOLE, TOTAL (PCI/L) (76002)	TRITIUM CARBON, 2 SIGMA ORGANIC DIS-SOLVED (MG/L AS C) (07000)	ALDI-CARB, WATER, FLTRD, GF 0.7U REC (49312)	ALDI-CARB, SULFONE, FLTRD, GF 0.7U REC (49313)	ALDICA-RB SUL-FONE, FLTRD, GF 0.7U REC (49314)	CAR-BARYL, WATER, FLTRD, GF 0.7U REC (49310)	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (49309)						
JUN 23...	-22.3	-3.91	231	19	17	1.3	1.4	<.550	<.100	<.0210	<.0080	<.120					
DATE		3HYDRXY CARBO-FURAN, WAT,FLT GF 0.7U REC (49308)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (49296)	OXAMYL, WATER, FLTRD, GF 0.7U REC (38866)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (49236)	PRO-POKUR, WATER, FLTRD, GF 0.7U REC (38538)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (49302)	2,4-DB WATER, FLTRD, GF 0.7U REC (38746)	MCPA, WATER, FLTRD, GF 0.7U REC (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (38487)	SILVEX, DIS-SOLVED (UG/L) (39762)					
JUN 23...	<.0140	<.0260	<.0170	<.0180	<.0350	<.0350	<.150	<.0320	<.940	<.170	<.360	<.0210					
DATE		2,4,5-T DIS-SOLVED (UG/L) (39742)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (49235)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (49292)	CHLORO-THALO-NIL, WAT,FLT GF 0.7U REC (49306)	DACTHAL MONO-ACID, WAT,FLT GF 0.7U REC (49304)	DICHLO-BENIL, WATER, FLTRD, GF 0.7U REC (49303)	BRO-MACIL, WATER, DISS, REC (04029)	FEN-URON, WATER, FLTRD, GF 0.7U REC (49297)	DIURON, WATER, FLTRD, GF 0.7U REC (49300)	FLUO-METURON, WATER, FLTRD, GF 0.7U REC (38811)	LINURON, WATER, FLTRD, GF 0.7U REC (38478)	NEB-URON, WATER, FLTRD, GF 0.7U REC (49294)				
JUN 23...	<.0350	<.250	<.310	<.480	<.0170	<1.20	<.0350	<.0130	<.0200	.280	<.0180	<.0900					
DATE		ACIFL-UORFEN, WATER, FLTRD, GF 0.7U REC (49315)	BENTA-ZON, WATER, FLTRD, GF 0.7U REC (38711)	BRO-MOXYNIL, WATER, FLTRD, GF 0.7U REC (49311)	CHLOR-AMBN, WATER, FLTRD, GF 0.7U REC (49307)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (49305)	DICAMBA, WATER, FLTRD, GF 0.7U REC (38442)	DINOSEB, WATER, FLTRD, GF 0.7U REC (49301)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (49299)	PTC-LORAM, WATER, FLTRD, GF 0.7U REC (49293)	1,2-DIBROMO ETHANE, WATER, FLTRD, GF 0.7U REC (49291)	CHLORO-ETHANE, TOTAL (UG/L) (77651)	NEB-URON, WATER, FLTRD, GF 0.7U REC (49294)				
JUN 23...	<.0350	E3.17	<.0350	<.420	<.230	<.0350	<.0350	<.420	<.0240	<.0500	<.036	<.120					

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

TALLAHATCHIE COUNTY--Continued

335207090165501 0095 JACK FLAUTT JR--Continued

DATE	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	ETHANE, 1,1,2,2 TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHANE BROMO- CHLORO- WAT UNFLTRD REC (UG/L) (77297)	BROMO- DI- CHLORO- METHANE TOTAL (UG/L) (32101)	DI- BROMO- WATER WHOLE RECOVER (UG/L) (30217)
JUN 23...	<.066	<.134	<.032	<.064	<.032	<.044	<.132	<.362	<.148	<.044	<.048	<.050
DATE	BROMO- FORM TOTAL (UG/L) (32104)	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	METHYL- CHLO- RIDE TOTAL (UG/L) (34423)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	CHLORO- FORM TOTAL (UG/L) (32106)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	METHYL- IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT.REC (UG/L) (82625)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)	1,3-DI- CHLORO- PROPANE WAT. WH TOTAL (UG/L) (77173)
JUN 23...	<.104	<.254	<.182	<.382	<.096	<.052	<.092	<.088	<.076	<.214	<.068	<.116
DATE	2,2-DI- CHLORO- PRO- PANE WAT, WH TOTAL (UG/L) (77170)	123-TRI- CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	2BUTENE TRANS-1 4-DI- CHLORO- WATER UNFLTRD RECOVER (UG/L) (73547)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)	PROPENE 3- CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)
JUN 23...	<.078	<.070	<.142	<.692	<.100	<.112	<.044	<.038	<.032	<.038	<.038	<.196
DATE	1,1-DI- CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	BENZENE N-BUTYL WATER UNFLTRD TOTAL (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLTRD TOTAL (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD TOTAL (UG/L) (77353)	ETHYL- BENZENE TOTAL (UG/L) (34371)	TOLUENE TOTAL (UG/L) (34010)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	BENZENE 123-TRI- METHYL- WATER UNFLTRD TOTAL (UG/L) (77221)	BENZENE 124-TRI- METHYL UNFLTRD RECOVER (UG/L) (77222)
JUN 23...	<.026	<.092	<.134	<.186	<.048	<.096	<.030	E.031	<.064	<.064	<.124	E.017
DATE	BENZENE 135-TRI- METHYL WATER UNFLTRD REC (UG/L) (77226)	PREH- NITENE WATER UNFLTRD RECOVER (UG/L) (49999)	ISO- DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	ISO- PROPYL- BENZENE WATER WHOLE TOTAL (UG/L) (77223)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	P-ISO- PROPYL- TOLUENE WATER WHOLE TOTAL (UG/L) (77356)	BENZENE TOTAL (UG/L) (34030)	NAPHTH- ALENE TOTAL (UG/L) (34696)	STYRENE TOTAL (UG/L) (77128)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)
JUN 23...	<.044	<.230	<.240	<.032	<.042	<.100	<.110	<.032	<.250	<.042	<.4.90	<.170
DATE	ETHER TERT- BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	ETHER TERT- PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	DI-ISO- PROPYL- ETHER, WATER UNFLTRD RECOVER (UG/L) (81577)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	2-HEXA- NONE WATER WHOLE TOTAL (UG/L) (77103)	METHYL ISO- BUTYL KETONE WAT. WH. TOTAL (UG/L) (78133)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	CHLORO- BENZENE TOTAL (UG/L) (34301)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)
JUN 23...	<.054	<.112	<.112	<.098	<.1.15	<.746	<.374	<.1.65	<.036	<.028	<.048	<.054
DATE	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	1,2,3- TRI- CHLORO- BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	CARBON DI- SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	METHAC- RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	METHYL ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METH- ACRYLO- NITRITE WATER UNFLTRD RECOVER (UG/L) (81593)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	ACRYLO- NITRILE TOTAL (UG/L) (34215)	
JUN 23...	<.050	<.266	<.188	<.042	<.056	<.080	<.278	<.612	<.570	<.350	<.1.23	

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

TUNICA COUNTY

343710090174501 H003 PAUL BATTLE

DATE	TIME	GEO-LOGIC UNIT	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)	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)
JUN 10...	1500	112MRVA	112.00	15	47	4040	.10	4040	644	7.2	18.5	.56
DATE	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L AS CA) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT TOT IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS FIELD (MG/L AS CACO3) (39086)	SULFIDE TOTAL (MG/L AS S) (00745)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)
JUN 10...	758	<.1	79	25	14	2.8	380	312	.0	18	9.3	.23
DATE	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L AS NA) (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)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON FERROUS UNFLTRD (UG/L) (99032)	
JUN 10...	.10	28	372	.012	<.050	.522	.47	.388	.257	6800	5100	
DATE	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)			
JUN 10...		3.9	<1.0	<1	530	<1.0	<1.0	3.0	<1.0	<1.0		
DATE		LEAD, DIS-SOLVED (UG/L AS PB) (01049)	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)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)			
JUN 10...		<1.0	173	1.6	<1.0	<1	<1.0	<1.0	<1.0	<1.0		
DATE	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	RADIUM 226, DIS-SOLVED, 2 SIGMA RADON DISS, METHOD (PCI/L) (09511)	RA-226 2 SIGMA WATER, FLTRD, (PCI/L) (76001)	RADON 222 TOTAL, (PCI/L) (82303)	RN-222 2 SIGMA WHOLE, TOTAL, (PCI/L) (76002)	TRITIUM WHOLE, TOTAL, (PCI/L) (07000)	TRITIUM 2 SIGMA WATER, FLTRD, WHOLE, TOTAL, (PCI/L) (75985)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	ACETO-CHLOR, WATER, FLTRD REC (49260)	ALA-CHLOR, WATER, DISS, REC, (46342)	METO-LACHLOR, WATER, DISSOLV (UG/L) (39415)
JUN 10...	-26.3	-4.79	.62	.114	207	19	1.0	1.0	2.0	<.0020	<.002	<.002
DATE	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (82684)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (82676)	PROP-CHLOR, WATER, FLTRD, DISS, REC (04024)	PRO-PANIL WATER, FLTRD, GF, REC (82679)	ALDI-CARB, WATER, FLTRD, GF 0.7U GF, REC (49312)	ALDI-CARB, SULFONE WAT, FLT GF 0.7U GF, REC (49313)	ALDICA-RB SUL-FOXIDE, WAT, FLT GF 0.7U GF, REC (49314)	BUTYL-ATE, WATER, FLTRD, DISS, REC (04028)	CAR-BARYL, WATER, FLTRD, GF 0.7U GF, REC (49310)	CAR-BARYL, WATER, FLTRD, GF 0.7U GF, REC (82680)	CARBO-FURAN, WATER, FLTRD, GF 0.7U GF, REC (49309)	CARBO-FURAN, WATER, FLTRD, GF 0.7U GF, REC (82674)
JUN 10...	<.0030	<.0030	<.0070	<.0040	<.550	<.100	<.0210	<.0020	<.0080	<.0030	<.120	<.0030
DATE	3HYDRXY CARBO-FURAN WAT, FLT GF 0.7U REC (49308)	EPTC WATER, FLTRD, 0.7 U GF, REC (82668)	METHIO-CARB, WATER, FLTRD, GF 0.7U GF, REC (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U GF, REC (49296)	MOL-INATE WATER, FLTRD, GF, REC (82671)	OXAMYL, WATER, FLTRD, GF 0.7U GF, REC (38866)	PEB-ULATE WATER, FLTRD, GF, REC (82669)	PRO-PHAM, WATER, FLTRD, GF 0.7U GF, REC (49236)	PRO-POKUR, WATER, FLTRD, GF 0.7U GF, REC (38538)	THIO-BENCARB, WATER, FLTRD, GF, REC (82681)	TRIAL-LATE WATER, FLTRD, GF, REC (82678)	2,4-D, DIS-SOLVED (UG/L) (39732)
JUN 10...	<.0140	<.0020	<.0260	<.0170	<.0040	<.0180	<.0040	<.0350	<.0350	<.0020	<.0010	<.150
DATE	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (49302)	2,4-DB WATER, FLTRD, GF 0.7U REC (38746)	MCPA, WATER, FLTRD, GF 0.7U REC (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (38487)	SILVEX, DIS-SOLVED (UG/L) (39762)	2,4,5-T DIS-SOLVED (UG/L) (39742)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U GF, REC (49235)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (82673)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (82663)	ORY-ZALIN, WATER, FLTRD, GF 0.7U GF, REC (49292)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (82683)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (82661)
JUN 10...	<.0320	<.240	<.170	<.140	<.0210	<.0350	<.250	<.0020	<.0040	<.310	<.0040	<.0020

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

TUNICA COUNTY--Continued

343710090174501 H003 PAUL BATTLE--Continued

DATE	ALPHA BHC DIS- SOLVED (UG/L) (34253)	CHLORO- THALO- NIL, WAT. FLT GF 0.7U REC (UG/L) (49306)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DACTHAL MONO- ACID, WAT. FLT GF 0.7U REC (UG/L) (49304)	P, P' DDE DISSOLV (UG/L) (34653)	DICHLOR- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	LINDANE DIS- SOLVED (UG/L) (39341)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)
JUN 10...	<.0020	<.480	<.0020	<.0170	E.0015	<1.20	<.001	<.004	<.0010	<.0040	<.002	<.0170
DATE	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BIFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	METRI- BUZIN WATER FLTRD 0.7 U GF, REC (UG/L) (82630)
JUN 10...	<.0030	<.0030	<.005	<.0060	<.004	<.0020	<.0130	<.0050	<.001	<.0020	<.0040	<.004
DATE	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	FEN- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	LIN- URON WATER FLTRD, GF 0.7 U GF, REC (UG/L) (82666)	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	TEBU- THIURON WATER FLTRD, GF 0.7 U GF, REC (UG/L) (82670)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)
JUN 10...	<.0180	<.0050	<.0350	<.0070	<.0130	<.0200	<.0350	<.0180	<.0020	<.0150	<.0100	<.0350
DATE	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CHLOR- AMBN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DICAMBA ANILINE WAT FLT GF 0.7U REC (UG/L) (38442)	2,6-DI- ETHYL WATER, WAT FLT GF 0.7U REC (UG/L) (82660)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DNOC WAT, FLT GF 0.7U REC (UG/L) (49299)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO- PARGITE WATER FLTRD, GF 0.7 U GF, REC (UG/L) (82685)	1,2- DIBROMO ETHANE WATER FLTRD, GF 0.7U TOTAL (UG/L) (77651)
JUN 10...	<.0140	<.0350	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130	<.072
DATE	CHLORO- ETHANE TOTAL (UG/L) (34311)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	ETHANE, 1,1,2,2- TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHANE BROMO- CHLORO- WAT UNFLTRD REC (UG/L) (77297)	BROMO- DI- CHLORO- ETHANE TOTAL (UG/L) (32101)
JUN 10...	<.240	<.132	<.268	<.064	<.128	<.064	<.088	<.264	<.724	<.296	<.088	<.096
DATE	DI- BROMO- METHANE WATER WHOLE RECOVER (UG/L) (30217)	BROMO- FORM TOTAL (UG/L) (32104)	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	METHYL ENE CHLO- RIDE TOTAL (UG/L) (34423)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	CHLORO- FORM TOTAL (UG/L) (32106)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	DIBROMO CHLORO- PROPANE WATER TOT. REC (UG/L) (82625)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)
JUN 10...	<.100	<.208	<.508	<.364	<.764	<.192	<.104	<.184	<.176	<.152	<.428	<.136
DATE	1,3-DI- CHLORO- PROPANE WAT. WH TOTAL (UG/L) (77173)	2,2-DI- CHLORO- PRO- PANE WAT. WH TOTAL (UG/L) (77170)	123-TRI- CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	2BUTENE TRANS-1 4-DI- CHLORO UNFLTRD RECOVER (UG/L) (73547)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)
JUN 10...	<.232	<.156	<.140	<.284	<1.38	<.200	<.224	<.088	<.076	<.064	<.076	<.076
DATE	PROPENE 3- CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	1,1-DI- CHLORO- PRO- PENE, WAT. WH TOTAL (UG/L) (77168)	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	BENZENE N-BUTYL WATER UNFLTRD TOTAL (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD TOTAL (UG/L) (77353)	ETHYL- BENZENE TOTAL (UG/L) (34371)	TOLUENE TOTAL (UG/L) (34010)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)	META/ PARA- XYLENE WATER UNFLTRD TOTAL (UG/L) (85795)	BENZENE 123-TRI METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)
JUN 10...	<.392	<.052	<.184	<.268	<.372	<.096	<.192	<.060	<.076	<.128	<.128	<.248

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

TUNICA COUNTY--Continued

343710090174501 H003 PAUL BATTLE--Continued

DATE	BENZENE 124-TRI METHYL UNFILT RECOVER (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)	PREH- NITENE WATER UNPLTRD RECOVER (UG/L) (49999)	ISO- DURENE WATER UNPLTRD RECOVER (UG/L) (50000)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-PROPYL WATER UNFLTRD REC (UG/L) (77224)	TOLUENE O-ETHYL WATER UNPLTRD RECOVER (UG/L) (77220)	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (UG/L) (77356)	BENZENE TOTAL (UG/L) (34030)	NAPHTH- ALENE TOTAL (UG/L) (34696)	STYRENE TOTAL (UG/L) (77128)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)
JUN 10...	<.112	<.088	<.460	<.480	<.064	<.084	<.200	<.220	<.064	<.500	<.084	<9.81
DATE	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT- BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	ETHER TERT- PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	DI-ISO- PROPYL- ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	2-HEXA- NONE WATER WHOLE TOTAL (UG/L) (77103)	METHYL ISO- BUTYL KETONE WAT WH. TOTAL (UG/L) (78133)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	CHLORO- BENZENE TOTAL (UG/L) (34301)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)
JUN 10...	<.340	<.108	<.224	<.224	<.196	<2.30	<1.49	<.748	<3.30	<.072	<.056	<.096
DATE	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	1,2,3- TRI- CHLORO- BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	CARBON DI- SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	METHAC- RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	METHYL ACRYL- LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METH- ACRYLO- NITRILE WATER UNFLTRD RECOVER (UG/L) (81593)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	ACRYLO- NITRILE TOTAL (UG/L) (34215)
JUN 10...	<.108	<.100	<.532	<.376	<.084	<.112	<.160	<.556	<1.22	<1.14	<.700	<2.45

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

WARREN COUNTY

322934090493901 B054 CLIFF BURROUGHS

DATE	TIME	GEO-LOGIC UNIT	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)	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)
MAY 20...	1300	112MRVA	200.00	16	47	4040	.10	4040	606	7.0	20.0	.81
DATE	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE, WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY, WAT DIS TOT IT FIELD (MG/L AS CAC03) (39086)	SULFATE, DIS-SOLVED (MG/L AS S04) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	BROMIDE, DIS-SOLVED (MG/L AS BR) (71870)
MAY 20...	760	<.1	70	23	11	2.8	342	280	18	3.4	.29	.046
DATE		SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C (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)	NITRO-GEN, AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS-PHORUS, ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	IRON, FERROUS UNFLTRD (UG/L) (99032)		
MAY 20...		39	359	<.010	.057	.578	.64	.240	8000	>3000		
DATE		ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC, DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM, DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)		
MAY 20...		3.0	<1.0	<1	332	<1.0	<1.0	3.8	<1.0	<1.0		
DATE		LEAD, DIS-SOLVED (UG/L AS PB) (01049)	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)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM, NATURAL DIS-SOLVED (UG/L AS U) (22703)			
MAY 20...		<1.0	625	<1.0	1.0	<1	<1.0	3.1	<1.0			
DATE	H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	RADON 222 TOTAL (PCI/L) (82303)	RN-222 2 SIGMA WHOLE, TOTAL (PCI/L) (76002)	TRITIUM TOTAL (PCI/L) (07000)	TRITIUM WHOLE, TOTAL (PCI/L) (75985)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC (UG/L) (46342)	METO-LACHLOR, WATER, DISSOLV (UG/L) (39415)	NAPROP-AMIDE, WATER FLTRD GF, REC (UG/L) (82684)	PRON-AMIDE, WATER FLTRD GF, REC (UG/L) (82676)
MAY 20...	-24.6	-4.23	180	18	<1.0	1.0	.90	<.0020	<.002	<.002	<.0030	<.0030
DATE	PROP-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL, WATER FLTRD, 0.7 U GF, REC (UG/L) (82679)	ALDI-CARB, WATER, FLTRD, 0.7 U GF, REC (UG/L) (49312)	ALDI-CARB, SULFONE, WAT, FLT REC (UG/L) (49313)	ALDICA-RB SUL-FOXIDE, WAT, FLT REC (UG/L) (49314)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL, WATER, FLTRD, 0.7 U GF, REC (UG/L) (49310)	CAR-BARYL, WATER, FLTRD, 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN, WATER, FLTRD, 0.7 U GF, REC (UG/L) (49309)	CARBO-FURAN, WATER, FLTRD, 0.7 U GF, REC (UG/L) (82674)	3HYDRXY, CARBO-FURAN, WAT, FLT GF, REC (UG/L) (49308)	EPTC, WATER FLTRD, 0.7 U GF, REC (UG/L) (82668)
MAY 20...	<.0070	<.0040	<.550	<.100	<.0210	<.0020	<.0080	<.0030	<.120	<.0030	<.0140	<.0020
DATE	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	MOL-INATE, WATER, FLTRD, 0.7 U GF, REC (UG/L) (82671)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	PEB-ULATE, WATER, FLTRD, GF 0.7U REC (UG/L) (82669)	PRO-PPHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	THIO-BENCARB, WATER, FLTRD, 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE, WATER, FLTRD, 0.7 U GF, REC (UG/L) (82678)	2,4-D, DIS-SOLVED (UG/L) (39732)	DICHLOR, PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	2,4-DB, WATER, FLTRD, GF 0.7U REC (UG/L) (38746)
MAY 20...	<.0260	<.0170	<.0040	<.0180	<.0040	<.0350	<.0350	<.0020	<.0010	<.150	<.0320	<.240
DATE	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	SILVEX, DIS-SOLVED (UG/L) (39762)	2,4,5-T, DIS-SOLVED (UG/L) (39742)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	BEN-FLUR-ALIN, WAT FLD GF, REC (UG/L) (82673)	ETHAL-FLUR-ALIN, WAT FLT GF, REC (UG/L) (82663)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	PENDI-METH-ALIN, WAT FLT GF, REC (UG/L) (82683)	TRI-FLUR-ALIN, WAT FLT GF, REC (UG/L) (82661)	ALPHA, BHC, DIS-SOLVED (UG/L) (34253)	CHLORO-THALO-NIL, WAT, FLT GF 0.7U REC (UG/L) (49306)
MAY 20...	<.170	<.140	<.0210	<.0350	<.250	<.0020	<.0040	<.310	<.0040	<.0020	<.0020	<.480

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

WARREN COUNTY--Continued

322934090493901 B054 CLIFF BURROUGHS--Continued

DATE	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DACTHAL MONO- ACID, WAT, FLT GF 0.7U REC (UG/L) (49304)	P, P' DDE DISSOLV (UG/L) (34653)	DICHLOR- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	LINDANE DIS- SOLVED (UG/L) (39341)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER FLTRD 0.7 U REC (UG/L) (04095)
MAY 20...	<.0020	<.0170	<.0060	<1.20	<.001	<.004	<.0010	<.0040	<.002	<.0170	<.0030	<.0030
DATE	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL PARA- THION WAT FLT GF, REC (UG/L) (82667)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	METRI- BUZIN WATER FLTRD 0.7 U GF, REC (UG/L) (82630)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)
MAY 20...	<.005	<.0060	<.004	<.0020	<.0130	<.0050	<.001	<.0020	<.0040	<.004	<.0180	<.0050
DATE	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	TER- BACIL WATER, FLTRD 0.7 U GF, REC (UG/L) (82665)	FEN- URON, WATER, FLTRD GF 0.7U REC (UG/L) (49297)	DIURON, WATER, FLTRD GF 0.7U REC (UG/L) (49300)	FLUO- METURON WATER, FLTRD GF 0.7U REC (UG/L) (38811)	LINURON WATER, FLTRD GF 0.7U REC (UG/L) (38478)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	NEB- URON, WATER, FLTRD GF 0.7U REC (UG/L) (49294)	TEBU- THIURON WATER, FLTRD 0.7 U GF, REC (UG/L) (82670)	ACIFL- UORFEN WATER, FLTRD GF 0.7U REC (UG/L) (49315)	BENTA- ZON, WATER, FLTRD GF 0.7U REC (UG/L) (38711)	BRO- MOXYNIL WATER, FLTRD GF 0.7U REC (UG/L) (49311)
MAY 20...	<.0350	<.0070	<.0130	<.0200	<.0350	<.0180	<.0020	<.0150	<.0100	<.0350	<.0140	<.0350
DATE	CHLOR- AMEN, WATER, FLTRD GF 0.7U REC (UG/L) (49307)	CLOPYR- ALID, WATER, FLTRD GF 0.7U REC (UG/L) (49305)	DICAMBA ANILINE WAT FLT GF 0.7U REC (UG/L) (38442)	2,6-DI- ETHYL ANILINE WAT FLT GF 0.7U REC (UG/L) (82660)	DINOSEB WATER, FLTRD GF 0.7U REC (UG/L) (49301)	DNOC WAT, FLT GF 0.7U REC (UG/L) (49299)	NORFLUR AZON, WATER, FLTRD GF 0.7U REC (UG/L) (49293)	PIC- LORAM, WATER, FLTRD GF 0.7U REC (UG/L) (49291)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	1,2- DIBROMO ETHANE WHOLE TOTAL (UG/L) (77651)	CHLORO- ETHANE TOTAL (UG/L) (34311)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)
MAY 20...	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130	<.036	<.120	<.066
DATE	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	ETHANE, 1,1,2,2 TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHANE BROMO- CHLORO- WAT UNFLTRD REC (UG/L) (77297)	BROMO- DI- CHLORO- ETHANE TOTAL (UG/L) (32101)	DI- BROMO- METHANE WHOLE RECOVER (UG/L) (30217)	BROMO- FORM TOTAL (UG/L) (32104)
MAY 20...	<.134	<.032	<.064	<.032	<.044	<.132	<.362	<.148	<.044	<.048	<.050	<.104
DATE	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	METHYL ENE CHLO- RIDE TOTAL (UG/L) (34423)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	CHLORO- FORM TOTAL (UG/L) (32106)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT, REC (UG/L) (82625)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)	1,3-DI- CHLORO- PROPANE WAT, WH TOTAL (UG/L) (77173)	2,2-DI- CHLORO- PRO- PANE WAT, WH TOTAL (UG/L) (77170)
MAY 20...	<.254	<.182	<.382	<.096	<.052	<.092	<.088	<.076	<.214	<.068	<.116	<.078
DATE	123-TRI CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	2BUTENE TRANS-1 4-DI- CHLORO UNFLTRD RECOVER (UG/L) (73547)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)	PROPENE 3- CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	1,1-DI CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)
MAY 20...	<.070	<.142	<.692	<.100	<.112	<.044	<.038	<.032	<.038	<.038	<.196	<.026
DATE	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	ETHYL- BENZENE TOTAL (UG/L) (34371)	TOLUENE TOTAL (UG/L) (34010)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	BENZENE 123-TRI METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)	BENZENE 124-TRI METHYL WATER UNFLTRD RECOVER (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)
MAY 20...	<.092	<.134	<.186	<.048	<.096	<.030	E.021	<.064	<.064	<.124	<.056	<.044

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

WARREN COUNTY--Continued

322934090493901 B054 CLIFF BURROUGHS--Continued

	PREH- NITENE WATER UNFLTRD RECOVER (UG/L) (49999)	ISO- DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (UG/L) (77356)	BENZENE TOTAL (UG/L) (34030)	NAPHTH- ALENE TOTAL (UG/L) (34696)	STYRENE TOTAL (UG/L) (77128)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT- BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)
MAY 20...	<.230	<.240	<.032	<.042	<.100	<.110	<.032	<.250	<.042	<4.90	<.170	<.054
DATE	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	ETHER TERT- PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	DI-ISO- PROPYL- ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	2-HEXA- NONE WATER WHOLE TOTAL (UG/L) (77103)	METHYL ISO- BUTYL KETONE WAT. WH. TOTAL (UG/L) (78133)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	CHLORO- BENZENE TOTAL (UG/L) (34301)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	
MAY 20...	<.112	<.112	<.098	<1.15	<.746	<.374	<1.65	<.036	<.028	<.048	<.054	
DATE	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	1,2,3- TRI- CHLORO- BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	CARBON DI- SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	METHAC- RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	METHYL ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METH- ACRYLO- NITRITE WATER UNFLTRD RECOVER (UG/L) (81593)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	ACRYLO- NITRILE TOTAL (UG/L) (34215)	
MAY 20...	<.050	<.266	<.188	<.042	<.056	E.032	<.278	<.612	<.570	<.350	<1.23	

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

WASHINGTON COUNTY

332233090562301 E152 ROBERT GORDON

				PUMP						PH	
DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	PERIOD PRIOR TO SAM-PLING (MIN) (72004)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)	SAM-PLING METHOD, CODES (82398)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	WHOLE FIELD (STAND-ARD UNITS) (00400)	
JUN 02...	0900	112MRVA	90.00	20	47	4040	.10	4040	527	8.9	
						</					

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

WASHINGTON COUNTY--Continued

332233090562301 E152 ROBERT GORDON--Continued

DATE	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	SILVEX, DIS- SOLVED (UG/L) (39762)	2,4,5-T DIS- SOLVED (UG/L) (39742)	TRI- CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	BEN- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82673)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ORY- ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
JUN 02...	<.0320	<.240	<.170	<.140	<.0210	<.0350	<.250	<.0020	<.0040	<.310	<.0040	<.0020
DATE	ALPHA BHC DIS- SOLVED (UG/L) (34253)	CHLORO- THALO- NIL, WAT, FLT GF 0.7U REC (UG/L) (49306)	DCPA WATER FLTRD, GF 0.7 U GF, REC (UG/L) (82682)	DACTHAL MONO- ACID, WAT, FLT GF 0.7U REC (UG/L) (49304)	P,P' DDE DISSOLV (UG/L) (34653)	DICHLOR- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	LINDANE DIS- SOLVED (UG/L) (39341)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DISUL- FOTON WATER FLTRD, GF 0.7 U GF, REC (UG/L) (82677)
JUN 02...	<.0020	<.480	<.0020	<.0170	<.0060	<.120	<.001	<.004	<.0010	<.0040	<.002	<.0170
DATE	ETHO- PROP WATER FLTRD, GF 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	MALA- THION, WAT FLT 0.7 U SOLVED (UG/L) (39532)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PHORATE WATER FLTRD, GF 0.7 U GF, REC (UG/L) (82664)	TER- BUFOS WATER FLTRD, GF 0.7 U GF, REC (UG/L) (82675)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	METRI- BUZIN SENSOR WATER DISSOLV (UG/L) (82630)
JUN 02...	<.0030	<.0030	<.005	<.0060	<.004	<.0020	<.0130	<.0050	<.001	<.0020	<.0040	<.004
DATE	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	TER- BACIL WATER, FLTRD, GF 0.7 U GF, REC (UG/L) (82665)	FEN- URON, WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49297)	DIURON, WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49300)	FLUO- METURON WATER, FLTRD, GF 0.7U GF, REC (UG/L) (38811)	LINURON WATER, FLTRD, GF 0.7U GF, REC (UG/L) (38478)	LIN- URON WATER FLTRD GF, REC (UG/L) (82666)	NEB- URON, WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49294)	TEBU- THURON WATER FLTRD GF, REC (UG/L) (82670)	ACIFL- UORPEN WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49315)
JUN 02...	<.0180	<.0050	<.0350	<.0070	<.0130	<.0200	<.0350	<.0180	<.0020	<.0150	<.0100	<.0350
DATE	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CHLOR- AMBEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DINOSEB WATER, FLTRD, GF 0.7U GF, REC (UG/L) (49301)	DNOC WAT,FLT GF 0.7U GF, REC (UG/L) (49299)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO- PARGITE WATER FLTRD GF, REC (UG/L) (82685)	1,2- DIBROMO WATER WHOLE TOTAL (UG/L) (77651)
JUN 02...	<.0140	<.0350	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130	<.144
DATE	CHLORO- ETHANE TOTAL (UG/L) (34311)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	ETHANE, 1,1,2,2 TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHANE BROMO- CHLORO- WAT UNFLTRD REC (UG/L) (77297)	BROMO- DI- CHLORO- METHANE TOTAL (UG/L) (32101)
JUN 02...	<.480	<.264	<.536	<.128	<.256	<.128	<.176	<.528	<.145	<.592	<.176	<.192
DATE	DI- BROMO- METHANE WATER WHOLE RECOVER (UG/L) (30217)	BROMO- FORM TOTAL (UG/L) (32104)	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	METHYL CHLO- RIDE TOTAL (UG/L) (34423)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	CHLORO- FORM METHANE TOTAL (UG/L) (32106)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT.REC (UG/L) (82625)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)
JUN 02...	<.200	<.416	<.102	<.728	<.153	<.384	<.208	<.368	<.352	<.304	<.856	<.272
DATE	1,3-DI- CHLORO- PROPANE WAT. WH TOTAL (UG/L) (77173)	2,2-DI- CHLORO- PRO- PANE WAT, WH TOTAL (UG/L) (77170)	123-TRI- CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	2BUTENE TRANS-1 4-DI- CHLORO UNFLTRD RECOVER (UG/L) (73547)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)
JUN 02...	<.464	<.312	<.280	<.568	<.277	<.400	<.448	<.176	<.152	<.128	<.152	<.152

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

WASHINGTON COUNTY--Continued

332233090562301 E152 ROBERT GORDON--Continued

DATE	PROPENE 3- CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	1,1-DI CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	ETHYL- BENZENE TOTAL (UG/L) (34371)	TOLUENE TOTAL (UG/L) (34010)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	BENZENE 123-TRI METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)
JUN 02...	<.784	<.104	<.368	<.536	<.744	<.192	<.384	<.120	E.150	<.256	<.256	<.496
DATE	BENZENE 124-TRI METHYL WATER UNFLTRD REC (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)	PREH- NITENE WATER UNFLTRD RECOVER (UG/L) (49999)	ISO- DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (UG/L) (77356)	BENZENE TOTAL (UG/L) (34030)	NAPHTH- ALENE TOTAL (UG/L) (34696)	STYRENE TOTAL (UG/L) (77128)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)
JUN 02...	<.224	<.176	<.920	<.960	<.128	<.168	<.400	<.440	<.128	<1.00	<.168	<19.6
DATE	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT- BUTYL ETHYL WAT UNF RECOVER (UG/L) (50004)	METHYL TERT- BUTYL ETHER REC (UG/L) (78032)	ETHER TERT- PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	DI-ISO- PROPYL- ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	2-HEXA- NONE WATER WHOLE TOTAL (UG/L) (77103)	METHYL ISO- BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	CHLORO- BENZENE TOTAL (UG/L) (34301)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)
JUN 02...	<.680	<.216	<.448	<.448	<.392	<4.59	<2.98	<1.50	<6.60	<.144	<.112	<.192
DATE	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	CARBON DI- SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	METHAC- RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	METHYL ACRYL- LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METH- ACRYLO- NITRITE WATER UNFLTRD RECOVER (UG/L) (81593)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	ACRYLO- NITRILE TOTAL (UG/L) (34215)
JUN 02...	<.216	<.200	<1.06	<.752	<.168	<.224	<.320	<1.11	<2.45	<2.28	<1.40	<4.90

QUALITY OF GROUND WATER

275

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

WASHINGTON COUNTY--Continued

331302090485901 M153 BON GENIE PLANTATION

DATE	TIME	GEO-LOGIC UNIT	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)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)
JUN 24...	0900	112MRVA	131.00	35	47	4040	.10	4040	791	7.0	19.0	.08
DATE	BARO-METRIC PRES-SURE (MM HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L) (00925)	SODIUM, DIS-SOLVED (MG/L) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L) (00935)	BICAR-BONATE WATER DIS IT (MG/L AS) (00453)	ALKA-LINITY WAT DIS TOT IT (MG/L AS) (39086)	SULFIDE TOTAL (MG/L) (00745)	SULFATE DIS-SOLVED (MG/L) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L) (00950)
JUN 24...	764	<.1	98	27	21	1.2	468	384	<.0	44	18	.18
DATE	BROMIDE DIS-SOLVED (MG/L) (71870)	SILICA, DIS-SOLVED (MG/L) (00955)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L) (70300)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L) (00613)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L) (00608)	NITRO-GEN, AM-MONIA + ORGANIC DIS-SOLVED (MG/L) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L) (00671)	IRON, DIS-SOLVED (UG/L) (01046)	IRON FERROUS UNFLTRD (UG/L) (99032)	
JUN 24...	.054	32	476	<.010	<.050	.128	.16	.089	.046	5900	3520	
DATE	ALUM-INUM, DIS-SOLVED (UG/L) (01106)	ANTI-MONY, DIS-SOLVED (UG/L) (01095)	ARSENIC DIS-SOLVED (UG/L) (01000)	BARIUM, DIS-SOLVED (UG/L) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L) (01010)	CADMIUM DIS-SOLVED (UG/L) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L) (01030)	COBALT, DIS-SOLVED (UG/L) (01035)	COPPER, DIS-SOLVED (UG/L) (01040)			
JUN 24...	3.0	<1.0	56	388	<1.0	<1.0	2.9	<1.0	<1.0			
DATE	LEAD, DIS-SOLVED (UG/L) (01049)	MANGA-NESE, DIS-SOLVED (UG/L) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L) (01060)	NICKEL, DIS-SOLVED (UG/L) (01065)	SELE-NIUM, DIS-SOLVED (UG/L) (01145)	SILVER, DIS-SOLVED (UG/L) (01075)	ZINC, DIS-SOLVED (UG/L) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L) (22703)				
JUN 24...	<1.0	471	3.4	<1.0	<1	<1.0	<1.0	<1.0	<1.0			
DATE	H-2 / H-1 STABLE ISOTOPE PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE PER MIL (82085)	RADON 222 WHOLE, TOTAL (PCI/L) (82303)	RN-222 2 SIGMA WATER, WHOLE, TOTAL (PCI/L) (76002)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL (PCI/L) (07000)	CARBON, ORGANIC DIS-SOLVED (MG/L) (00681)	ACETO-CHLOR, WATER, FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, FLTRD REC (UG/L) (46342)	METO-LACHLOR, WATER, DISSOLV REC (UG/L) (39415)	NAPROP-AMIDE WATER, FLTRD 0.7 U GF, REC (UG/L) (82684)	FRON-AMIDE WATER, FLTRD 0.7 U GF, REC (UG/L) (82676)	
JUN 24...	-18.8	-3.59	172	19	9.0	1.3	1.0	<.0020	<.002	<.002	<.0030	<.0030
DATE	PROP-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER, FLTRD 0.7 U GF, REC (UG/L) (82679)	ALDI-CARB, WATER, FLTRD 0.7 U GF, REC (UG/L) (49312)	ALDI-CARB, SULFONE WAT, FLT REC (UG/L) (49313)	ALDICA-RB SUL-FOXIDE, WAT, FLT REC (UG/L) (49314)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL, WATER, FLTRD 0.7 U GF, REC (UG/L) (49310)	CAR-BARYL, WATER, FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN, WATER, FLTRD 0.7 U GF, REC (UG/L) (49309)	CARBO-FURAN, WATER, FLTRD 0.7 U GF, REC (UG/L) (82674)	3HYDRXY CARBO-FURAN, WAT, FLT REC (UG/L) (49308)	EPTC WATER, FLTRD 0.7 U GF, REC (UG/L) (82668)
JUN 24...	<.0070	<.0040	<.550	<.100	<.0210	<.0020	<.0080	<.0030	<.120	<.0030	<.0140	<.0020
DATE	METHIO-CARB, WATER, FLTRD 0.7 U GF, REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD 0.7 U GF, REC (UG/L) (49296)	MOL-INATE, WATER, FLTRD 0.7 U GF, REC (UG/L) (82671)	OXAMYL, WATER, FLTRD 0.7 U GF, REC (UG/L) (38866)	PEB-ULATE, WATER, FLTRD 0.7 U GF, REC (UG/L) (82669)	PRO-PHAM, WATER, FLTRD 0.7 U GF, REC (UG/L) (49236)	PRO-POKUR, WATER, FLTRD 0.7 U GF, REC (UG/L) (38538)	THIO-BENCARB, WATER, FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE, WATER, FLTRD 0.7 U GF, REC (UG/L) (82678)	DICHLOR PROP, WATER, FLTRD 0.7 U GF, REC (UG/L) (39732)	2,4-DB WATER, FLTRD 0.7 U GF, REC (UG/L) (49302)	2,4-DB WATER, FLTRD 0.7 U GF, REC (UG/L) (38746)
JUN 24...	<.0260	<3.56	<.0040	<.0180	<.0040	<.0350	<.0350	<.0020	<.0010	E.020	<.0320	<1.03
DATE	MCPA, WATER, FLTRD 0.7 U GF, REC (UG/L) (38482)	MCPB, WATER, FLTRD 0.7 U GF, REC (UG/L) (38487)	SILVEX, DIS-SOLVED (UG/L) (39762)	2,4,5-T DIS-SOLVED (UG/L) (39742)	TRI-CLOPYR, WATER, FLTRD 0.7 U GF, REC (UG/L) (49235)	BEN-FLUR-ALIN, WAT FLT 0.7 U GF, REC (UG/L) (82673)	ETHAL-FLUR-ALIN, WAT FLT 0.7 U GF, REC (UG/L) (82663)	ORY-ZALIN, WATER, FLTRD 0.7 U GF, REC (UG/L) (49292)	PENDI-METH-ALIN, WAT FLT 0.7 U GF, REC (UG/L) (82683)	TRI-FLUR-ALIN, WAT FLT 0.7 U GF, REC (UG/L) (82661)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	CHLORO-THALO-NIL, WAT, FLT REC (UG/L) (49306)
JUN 24...	<.170	<.140	<.0210	<.0350	<.250	<.0020	<.0040	<.310	<.0040	<.0020	<.0020	<.480

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

WASHINGTON COUNTY--Continued

331302090485901 M153 BON GENIE PLANTATION--Continued

DATE	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DACTHAL MONO- ACID, WAT, FLT GF 0.7U REC (UG/L) (49304)	P, P' DDE DISSOLV (UG/L) (34653)	DICHO- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	LINDANE DIS- SOLVED (UG/L) (39341)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)
JUN 24...	<.0020	<.0170	<.0060	<1.20	<.001	<.004	<.0010	<.0040	<.002	<.0170	<.0030	<.0030
DATE	MALA- THION, DIS- SOLVED (UG/L) (39532)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BUPOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	METRI- BUZIN, WATER, DISSOLV (UG/L) (82630)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)
JUN 24...	<.005	<.0060	<.004	<.0020	<.0130	<.0050	<.001	<.0020	<.0040	<.004	<.0180	<.0050
DATE	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	PEN- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	TEBU- THIURON WATER, FLTRD 0.7 U GF, REC (UG/L) (82670)	ACIFL- UORPEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)
JUN 24...	<.0350	<.0070	<.0130	<.0200	<.0350	<.0180	<.0020	<.0150	<.0100	<.0350	<.0140	<.0350
DATE	CHLOR- AMEN, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DINOSIB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DNOC WAT, FLT 0.7 U GF, REC (UG/L) (49299)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	1,2- DIBROMO ETHANE WATER FLTRD 0.7 U GF, REC (UG/L) (77651)	CHLORO- ETHANE TOTAL (UG/L) (34311)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)
JUN 24...	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130	<.036	<.120	<.066
DATE	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	ETHANE, 1,1,2,2 TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHANE BROMO- CHLORO- WAT UNFLTRD REC (UG/L) (77297)	BROMO- DI- CHLORO- METHANE TOTAL (UG/L) (32101)	DI- BROMO- METHANE WHOLE RECOVER (UG/L) (30217)	BROMO- FORM TOTAL (UG/L) (32104)
JUN 24...	<.134	<.032	<.064	<.032	<.044	<.132	<.362	<.148	<.044	<.048	<.050	<.104
DATE	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	METHYL- ENE CHLO- RIDE TOTAL (UG/L) (34423)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	CHLORO- FORM TOTAL (UG/L) (32106)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT REC (UG/L) (82625)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)	1,3-DI- CHLORO- PROPANE WAT, WH TOTAL (UG/L) (77173)	2,2-DI- CHLORO- PRO- PANE WAT, WH TOTAL (UG/L) (77170)
JUN 24...	<.254	<.182	<.382	<.138	<.052	<.092	<.088	<.208	<.214	<.068	<.116	<.078
DATE	123-TRI CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	2BUTENE TRANS-1 4-DI- CHLORO UNFLTRD RECOVER (UG/L) (73547)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)	PROPENE 3- CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	1,1-DI- CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)
JUN 24...	<.162	<.142	<.692	<.100	<.112	<.044	<.038	<.032	<.038	<.102	<.196	<.026
DATE	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	ETHYL- BENZENE TOTAL (UG/L) (34371)	TOLUENE TOTAL (UG/L) (34010)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	BENZENE 123-TRI METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)	BENZENE 124-TRI METHYL WATER UNFLTRD RECOVER (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)
JUN 24...	<.092	<.134	<.186	<.048	<.096	<.030	<.054	<.064	<.064	<.124	E.032	<.044

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

WASHINGTON COUNTY--Continued

331302090485901 M153 BON GENIE PLANTATION--Continued

	PREH- NITENE WATER UNFLTRD RECOVER (UG/L) (49999)	ISO- DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-WPROF WATER UNFLTRD REC (UG/L) (77224)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (UG/L) (77356)					ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT- BUTYL WATER UNFLTRD RECOVER (UG/L) (50004)
DATE							BENZENE TOTAL (UG/L) (34030)	NAPHTH- ALENE TOTAL (UG/L) (34696)	STYRENE TOTAL (UG/L) (77128)	ACETONE WATER TOTAL (UG/L) (81552)		
JUN 24...	<.230	<.240	<.032	<.042	<.100	<.110	<.100	<.250	<.042	<4.90	<.170	<.054
DATE	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	ETHER TERT- PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	DI-ISO- PROPYL- ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	2-HEXA- NONE WATER WHOLE TOTAL (UG/L) (77103)	METHYL ISO- BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	CHLORO- BENZENE TOTAL (UG/L) (34301)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	
JUN 24...	<.166	<.112	<.098	<8.79	<.746	<.374	<1.65	<.036	<.028	<.048	<.054	
DATE	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	CARBON DI- SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	METHAC- RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	METHYL ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METH- ACRYLO- NITRILE WATER UNFLTRD RECOVER (UG/L) (81593)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	ACRYLO- NITRILE TOTAL (UG/L) (34215)	
JUN 24...	<.050	<.266	<.188	<.042	<.056	<.370	<.278	<1.36	<.570	<.350	<1.23	

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

WASHINGTON COUNTY__Continued

330142091000801 S133 J A DARNELL JR

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)	SAM-PLING METHOD, CODES (82398)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH WATER WHOLE FIELD (STAND-ARD WATER (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	
JUN 24...	1500	112MRVA	110.00	47	4040	.10	4040	660	7.1	21.0	.36	762	
DATE		OXYGEN, DIS-SOLVED (MG/L) (00300)	CALCIUM DIS-SOLVED (MG/L) AS CA (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L) AS MG (00925)	SODIUM, DIS-SOLVED (MG/L) AS NA (00930)	POTAS-SIUM, DIS-SOLVED (MG/L) AS K (00935)	BICAR-BONATE WATER DIS IT FIELD HCO3 (00453)	ALKA-LINITY WAT DIS TOT IT FIELD CACO3 (39086)	SULFIDE TOTAL (MG/L) AS S (00745)	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)	BROMIDE DIS-SOLVED (MG/L) AS BR (71870)
JUN 24...	<.1	81	24	7.7	2.6	365	299	.0	<.10	4.8	.24	.046	
DATE		SILICA, DIS-SOLVED (MG/L) AS STO2 (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)	NITRO-GEN, AMMONIA + ORGANIC DIS. (MG/L) AS N (00623)	PHOS-PHORUS DIS-SOLVED (MG/L) AS P (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L) AS P (00671)	IRON, DIS-SOLVED (UG/L) AS FE (01046)	IRON FERROUS UNFLTDR (UG/L) (99032)		
JUN 24...		32	360	<.010	<.050	1.42	1.5	1.22	.885	13000	7550		
DATE		ALUM-INUM, DIS-SOLVED (UG/L) AS AL (01106)	ANTI-MONY, DIS-SOLVED (UG/L) AS SB (01095)	ARSENIC DIS-SOLVED (UG/L) AS AS (01000)	BARIUM, DIS-SOLVED (UG/L) AS BA (01005)	BERYL-LIUM, DIS-SOLVED (UG/L) AS BE (01010)	CADMIUM DIS-SOLVED (UG/L) AS CD (01025)	CHRO-MIUM, DIS-SOLVED (UG/L) AS CR (01030)	COBALT, DIS-SOLVED (UG/L) AS CO (01035)	COPPER, DIS-SOLVED (UG/L) AS CU (01040)			
JUN 24...		3.2	<1.0	6	289	<1.0	<1.0	3.0	<1.0	<1.0			
DATE			LEAD, DIS-SOLVED (UG/L) AS PB (01049)	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)	ZINC, DIS-SOLVED (UG/L) AS ZN (01090)	URANIUM NATURAL DIS-SOLVED (UG/L) AS U (22703)			
JUN 24...			<1.0	611	<1.0	1.4	<1	<1.0	<1.0	<1.0			
DATE		H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	RADIUM 226, DIS-SOLVED, RADON WATER, METHOD (PCI/L) (09511)	RA-226 2 SIGMA, DISS, (PCI/L) (76001)	RADON 222, TOTAL, (PCI/L) (82303)	RN-222 2 SIGMA, WATER, WHOLE, (PCI/L) (76002)	TRITIUM TOTAL, (PCI/L) (07000)	TRITIUM 2 SIGMA, WATER, DIS-SOLVED, (MG/L) (75985)	CARBON, ORGANIC, DIS-SOLVED, (MG/L) AS C (00681)	ACETO-CHLOR, WATER, FLTRD, REC (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	METO-LACHLOR, WATER, DISSOLV, (UG/L) (39415)
JUN 24...	-22.3	-3.99	.36	.062	211	20	12	1.3	2.1	<.0020	<.002	<.002	
DATE		NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (82684)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (82676)	PROP-PANIL WATER, FLTRD, DISS, REC (04024)	PRO-PANIL WATER, FLTRD, 0.7 U GF, REC (82679)	ALDI-CARB, WATER, FLTRD, GF 0.7 U (49312)	ALDI-CARB, SULFONE, WAT, FLT GF 0.7 U (49313)	ALDICA-RB SUL-FATE, FOXIDE, WAT, FLT GF 0.7 U (49314)	BUTYL-ATE, WATER, FLTRD, DISS, REC (04028)	CAR-BARYL, WATER, FLTRD, GF 0.7 U (49310)	CAR-BARYL, WATER, FLTRD, 0.7 U (82680)	CARBO-FURAN, WATER, FLTRD, GF 0.7 U (49309)	CARBO-FURAN, WATER, FLTRD, 0.7 U GF, REC (82674)
JUN 24...	<.0030	<.0030	<.0070	<.0040	<.550	<.100	<.0210	<.0020	<.0080	<.0030	<.120	<.0030	
DATE		3HYDRXY CARBO-FURAN WAT, FLT GF 0.7 U REC (49308)	EPTC WATER FLTRD 0.7 U GF, REC (82668)	METHIO-CARB, WATER, FLTRD, GF 0.7 U (38501)	METH-OMYL, WATER, FLTRD, GF 0.7 U (49296)	MOL-INATE WATER, FLTRD, 0.7 U GF, REC (82671)	OXAMYL, WATER, FLTRD, GF 0.7 U (38866)	PEB-ULATE WATER, FLTRD, 0.7 U GF, REC (82669)	PRO-PHAM, WATER, FLTRD, 0.7 U GF 0.7 U (49236)	PRO-POXUR, WATER, FLTRD, 0.7 U GF 0.7 U (38538)	THIO-BENCARB, WATER, FLTRD, 0.7 U GF, REC (82681)	TRIAL-LATE WATER, FLTRD, 0.7 U GF, REC (82678)	2,4-D, DIS-SOLVED (UG/L) (39732)
JUN 24...	<.0140	<.0020	<.0260	<.0170	<.0040	<.0180	<.0040	<.0350	<.0350	<.0020	<.0010	<.150	
DATE		DICHLOR PROP, WATER, FLTRD, GF 0.7 U REC (49302)	2,4-DB WATER, FLTRD, GF 0.7 U REC (38746)	MCPA, WATER, FLTRD, GF 0.7 U REC (38482)	MCPB, WATER, FLTRD, GF 0.7 U REC (38487)	SILVEX, DIS-SOLVED (UG/L) (39762)	2,4,5-T DIS-SOLVED (UG/L) (39742)	TRI-CLOPYR, WATER, FLTRD, GF 0.7 U REC (49235)	BEN-FLUR-ALIN, WAT FLD GF 0.7 U GF, REC (82673)	ETHAL-FLUR-ALIN, WAT FLT GF 0.7 U GF, REC (82663)	ORY-ZALIN, WATER, FLTRD, GF 0.7 U REC (49292)	PENDI-METH-ALIN, WAT FLT 0.7 U GF, REC (82683)	TRI-FLUR-ALIN, WAT FLT 0.7 U GF, REC (82661)
JUN 24...	<.0320	<1.11	<.170	<.140	<.0210	<.0350	<.250	<.0020	<.0040	<.310	<.0040	<.0020	

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

WASHINGTON COUNTY--Continued

330142091000801 S133 J A DARNELL JR--Continued

DATE	ALPHA BHC DIS- SOLVED (UG/L) (34253)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	DCPA WATER FLTRD GF 0.7 U GF, REC (UG/L) (82682)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	P, P' DDE DISSOLV (UG/L) (34653)	DICHLOR- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	LINDANE DIS- SOLVED (UG/L) (39341)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)
JUN 24...	<.0020	<.480	<.0020	<.0170	<.0060	<1.20	<.001	<.004	<.0010	<.0040	<.002	<.0170
DATE	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	MALA- THION, WAT,FLT GF 0.7 U GF, REC (UG/L) (39532)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	METRI- BUZIN WATER FLTRD 0.7 U GF, REC (UG/L) (82630)
JUN 24...	<.0030	<.0030	<.005	<.0060	<.004	<.0020	<.0130	<.0050	<.001	<.0020	<.0040	<.004
DATE	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	TER- BACIL WATER, FLTRD 0.7 U GF, REC (UG/L) (82665)	FEN- URON, WATER, FLTRD 0.7 U GF, REC (UG/L) (49297)	DIURON, WATER, FLTRD 0.7 U GF, REC (UG/L) (49300)	FLUO- METURON WATER, FLTRD 0.7 U GF, REC (UG/L) (38811)	LINURON WATER, FLTRD 0.7 U GF, REC (UG/L) (38478)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	NEB- URON, WATER, FLTRD 0.7 U GF, REC (UG/L) (49294)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	ACIPL- UORFEN WATER, FLTRD 0.7 U GF, REC (UG/L) (49315)
JUN 24...	<.0180	<.0050	<.0350	<.0070	<.0130	<.0200	<.0350	<.0180	<.0020	<.0150	<.0100	<.0350
DATE	BENTA- ZON, WATER, FLTRD GF 0.7U REC (UG/L) (38711)	BRO- MOXYNIL WATER, FLTRD GF 0.7U REC (UG/L) (49311)	CHLOR- AMBEN, WATER, FLTRD GF 0.7U REC (UG/L) (49307)	CLOPYR- ALID, WATER, FLTRD GF 0.7U REC (UG/L) (49305)	DICAMBA WATER, FLTRD GF 0.7U REC (UG/L) (38442)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DINOSB WATER, FLTRD GF 0.7U REC (UG/L) (49301)	DNOC WAT,FLT GF 0.7U REC (UG/L) (49299)	NORFLUR AZON, WATER, FLTRD GF 0.7U REC (UG/L) (49293)	PIC- LORAM, WATER, FLTRD GF 0.7U REC (UG/L) (49291)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	1,2- DIBROMO ETHANE WATER FLTRD 0.7 U TOTAL (UG/L) (77651)
JUN 24...	.280	<.0350	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130	<.036
DATE	CHLORO- ETHANE TOTAL (UG/L) (34311)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77652)	ETHANE, 1,1,2,2 TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHANE BROMO- CHLORO- WAT UNFLTRD REC (UG/L) (77297)	BROMO- DI- CHLORO- METHANE TOTAL (UG/L) (32101)
JUN 24...	<.120	<.066	<.134	<.032	<.064	<.032	<.044	<.132	<.362	<.148	<.044	<.048
DATE	DI- BROMO- METHANE WATER WHOLE RECOVER (UG/L) (30217)	BROMO- FORM TOTAL (UG/L) (32104)	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	METHYL CHLO- RIDE TOTAL (UG/L) (34423)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	CHLORO- FORM TOTAL (UG/L) (32106)	TRI- CHLORO- FLUORO- RIDE TOTAL (UG/L) (34488)	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT.REC (UG/L) (82625)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)
JUN 24...	<.050	<.104	<.254	<.182	<.382	<.138	<.052	<.092	<.088	<.208	<.214	<.068
DATE	1,3-DI- CHLORO- PROPANE WAT, WH TOTAL (UG/L) (77173)	2,2-DI- CHLORO- PROPANE WAT, WH TOTAL (UG/L) (77170)	123-TRI- CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	HEXA- DI- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	2BUTENE TRANS-1 4-DI- CHLORO UNFLTRD RECOVER (UG/L) (73547)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	CIS-1,2 -DI- CHLORO- ETHENE WATER TOTAL (UG/L) (77093)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)
JUN 24...	<.116	<.078	<.162	<.142	<.692	<.100	<.112	<.044	<.038	<.032	<.038	<.102
DATE	PROPENE 3- CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	1,1-DI- CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	ETHYL- BENZENE TOTAL (UG/L) (34371)	TOLUENE TOTAL (UG/L) (34010)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	BENZENE 123-TRI METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)
JUN 24...	<.196	<.026	<.092	<.134	<.186	<.048	<.096	<.030	.163	<.064	<.064	<.124

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

WASHINGTON COUNTY--Continued

330142091000801 S133 J A DARNELL JR--Continued

DATE	BENZENE 124-TRI METHYL UNFLTRD RECOVER (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)	PREH- NITENE WATER UNFLTRD RECOVER (UG/L) (49999)	ISO- DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (UG/L) (77356)	BENZENE TOTAL (UG/L) (34030)	NAPHTH- ALENE TOTAL (UG/L) (34696)	STYRENE TOTAL (UG/L) (77128)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)
JUN 24...	E.062	<.044	<.230	<.240	<.032	<.042	<.100	<.110	<.100	<.250	<.042	<4.90
DATE	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT- BUTYL ETHYL WATER UNFLTRD RECOVER (UG/L) (50004)	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	ETHER TERT- PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	DI-ISO- PROPYL- ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	2-HEXA- NONE WATER WHOLE TOTAL (UG/L) (77103)	METHYL ISO- BUTYL KETONE WAT. WH. TOTAL (UG/L) (78133)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	CHLORO- BENZENE TOTAL (UG/L) (34301)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)
JUN 24...	<.170	<.054	<.166	<.112	<.098	<8.79	<.746	<.374	<1.65	<.036	<.028	<.048
DATE	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	CARBON DI- SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	METHAC- RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	METHYL ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METH- ACRYLO- NITRITE WATER UNFLTRD RECOVER (UG/L) (81593)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	ACRYLO- NITRILE TOTAL (UG/L) (34215)
JUN 24...	<.054	<.050	<.266	<.188	<.042	<.056	<.370	<.278	<1.36	<.570	<.350	<1.23

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

YAZOO COUNTY

324355090391801 P062 C A TRAMMELL

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)	SAM-PLING METHOD, CODES (82398)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)			
JUN 11...	1000	112MRVA	100.00	2320	27	47	4040	.10	4040	534			
DATE		PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	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)			
JUN 11...	6.9	19.5	.96	762	<.1	56	23	13	2.6				
DATE		BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	SULFIDE TOTAL (MG/L AS S) (00745)	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)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)			
JUN 11...	332	272	.0	5.6	4.4	.30	.086	39	334				
DATE		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 DIS-SOLVED (MG/L AS N) (00623)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	IRON, DIS-SOLVED (MG/L AS FE) (01046)	IRON FERROUS WATER UNFLTRD (UG/L) (99032)				
JUN 11...	.012	<.050	.320	.31	.484	.085	10700	7000					
DATE		ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ANTI-MONY, DIS-SOLVED (UG/L AS SB) (01095)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM, DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)			
JUN 11...	2.8	<1.0	<1	442	<1.0	<1.0	3.3	<1.0	<1.0				
DATE		LEAD, DIS-SOLVED (UG/L AS PB) (01049)	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)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	URANIUM NATURAL DIS-SOLVED (UG/L AS U) (22703)				
JUN 11...	<1.0	412	<1.0	<1.0	<1	<1.0	<1.0	<1.0	<1.0				
DATE		H-2 / H-1 STABLE ISOTOPE RATIO PER MIL (82082)	O-18 / O-16 STABLE ISOTOPE RATIO PER MIL (82085)	RADIUM 226, DIS-SOLVED, RADON METHOD (PCI/L) (09511)	RA-226 2 SIGMA WATER, DISS, (PCI/L) (76001)	RADON 222 TOTAL (PCI/L) (82303)	RN-222 2 SIGMA WATER, WHOLE, TOTAL, (PCI/L) (76002)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL, (PCI/L) (07000)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	ACETO-CHLOR, WATER, FLTRD, REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, DISSOLV (UG/L) (46342)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	
JUN 11...	-22.1	-4.22	.46	.077	246	20	2.6	1.0	2.1	<.0020	<.002	<.002	
DATE		NAPROP-AMIDE WATER FLTRD GF 0.7 U (UG/L) (82684)	PRON-AMIDE WATER FLTRD GF 0.7 U (UG/L) (82676)	PROP-ANIL CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL CARB, WATER, FLTRD GF 0.7 U (UG/L) (82679)	ALDI-CARB, WATER, FLTRD GF 0.7 U (UG/L) (49312)	ALDI-CARB, SULFONE, WAT, FLT GF 0.7 U (UG/L) (49313)	ALDICA-RB SUL-FOXIDE, WAT, FLT GF 0.7 U (UG/L) (49314)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL, WATER, FLTRD GF 0.7 U (UG/L) (49310)	CAR-BARYL, WATER, FLTRD GF 0.7 U (UG/L) (82680)	CARBO-FURAN, WATER, FLTRD GF 0.7 U (UG/L) (49309)	CARBO-FURAN, WATER, FLTRD GF 0.7 U (UG/L) (82674)
JUN 11...	<.0030	<.0030	<.0070	<.0040	<.550	<.100	<.0210	<.0020	<.0080	<.0030	<.120	<.0030	
DATE		3HYDRXY CARBO-FURAN WAT, FLT GF 0.7 U (UG/L) (49308)	EPTC WATER FLTRD GF 0.7 U (UG/L) (82668)	METHIO-CARB, WATER, FLTRD GF 0.7 U (UG/L) (38501)	METH-OMYL, WATER, FLTRD GF 0.7 U (UG/L) (49296)	MOL-INATE WATER, FLTRD GF 0.7 U (UG/L) (82671)	OXAMYL, WATER, FLTRD GF 0.7 U (UG/L) (38866)	FEB-ULATE WATER, FLTRD GF 0.7 U (UG/L) (82669)	PRO-PHAM, WATER, FLTRD GF 0.7 U (UG/L) (49236)	PRO-POXUR, WATER, FLTRD GF 0.7 U (UG/L) (38538)	THIO-BENCARB, WATER, FLTRD GF 0.7 U (UG/L) (82681)	TRIAL-LATE WATER, FLTRD GF 0.7 U (UG/L) (82678)	2,4-D, DIS-SOLVED (UG/L) (39732)
JUN 11...	<.0140	<.0020	<.0260	<.0170	<.0040	<.0180	<.0040	<.0350	<.0350	<.0020	<.0010	<.150	

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

YAZOO COUNTY--Continued

324355090391801 P062 C A TRAMMELL--Continued

DATE	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	SILVEX, DIS- SOLVED (UG/L) (39762)	2,4,5-T DIS- SOLVED (UG/L) (39742)	TRI- CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	BEN- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82673)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ORY- ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
JUN 11...	<.0320	<.240	<.170	<.140	<.0210	<.0350	<.250	<.0020	<.0040	<.310	<.0040	<.0020
DATE	ALPHA BHC DIS- SOLVED (UG/L) (34253)	CHLORO- THALO- NIL, WAT, FLT GF 0.7U REC (UG/L) (49306)	DCPA WATER, FLTRD, GF 0.7U GF, REC (UG/L) (82682)	DACTHAL MONO- ACID, WAT, FLT GF 0.7U REC (UG/L) (49304)	P, P' DDE DISSOLV (UG/L) (34653)	DICHLOR- BENIL, WATER, FLTRD, GF 0.7U REC (UG/L) (49303)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	LINDANE DIS- SOLVED (UG/L) (39341)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DISUL- POTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)
JUN 11...	<.0020	<.480	<.0020	<.0170	<.0060	<.120	<.001	<.004	<.0010	<.0040	<.002	<.0170
DATE	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FOFONOS WATER DIS- REC (UG/L) (04095)	MALA- THION, WAT FLT 0.7 U SOLVED (UG/L) (39532)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	PARA- THION, WAT FLT 0.7 U SOLVED (UG/L) (39542)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	PER- METHIRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
JUN 11...	<.0030	<.0030	<.005	<.0060	<.004	<.0020	<.0130	<.0050	<.001	<.0020	<.0040	<.004
DATE	PRO- METON, WATER, DISS, REC (UG/L) (04037)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	TER- BACIL WATER, FLTRD 0.7 U GF, REC (UG/L) (82665)	FEN- URON, WATER, FLTRD 0.7 U GF, REC (UG/L) (49297)	DIURON, WATER, FLTRD 0.7 U GF, REC (UG/L) (49300)	FLUO- METURON WATER, FLTRD 0.7 U GF, REC (UG/L) (38811)	LINURON WATER, FLTRD 0.7 U GF, REC (UG/L) (38478)	LIN- URON WATER, FLTRD 0.7 U GF, REC (UG/L) (82666)	NEB- URON, WATER, FLTRD 0.7 U GF, REC (UG/L) (49294)	TEBU- THIURON WATER, FLTRD 0.7 U GF, REC (UG/L) (82670)	ACIFL- UORFEN WATER, FLTRD 0.7 U GF, REC (UG/L) (49315)
JUN 11...	<.0180	<.0050	<.0350	<.0070	<.0130	<.0200	<.0350	<.0180	<.0020	<.0150	<.0100	<.0350
DATE	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	CHLOR- AMBER, WATER, FLTRD, GF 0.7U REC (UG/L) (49307)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DNOC WAT, FLT GF 0.7U REC (UG/L) (49299)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO- PARGITE WATER, FLTRD 0.7 U GF, REC (UG/L) (82685)	1,2- DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)
JUN 11...	<.0140	<.0350	<.420	<.230	<.0350	<.0030	<.0350	<.420	<.0240	<.0500	<.0130	<.144
DATE	CHLORO- ETHANE TOTAL (UG/L) (34311)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	ETHANE, 1112- TETRA- CHLORO- WAT UNF REC (UG/L) (77562)	ETHANE, 1,1,2,2 TETRA- CHLORO- WAT UNF REC (UG/L) (34516)	ETHANE HEXA- CHLORO- WATER UNFLTRD RECOVER (UG/L) (34396)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHANE BROMO- CHLORO- WAT UNFLTRD REC (UG/L) (77297)	BROMO- DI- CHLORO- METHANE TOTAL (UG/L) (32101)
JUN 11...	<.480	<.264	<.536	<.128	<.256	<.128	<.176	<.528	<.145	<.592	<.176	<.192
DATE	DI- BROMO- METHANE WATER WHOLE RECOVER (UG/L) (30217)	BROMO- FORM TOTAL (UG/L) (32104)	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	METHYL ENE CHLO- RIDE TOTAL (UG/L) (34423)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)	CHLORO- FORM TOTAL (UG/L) (32106)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT. REC (UG/L) (82625)	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)
JUN 11...	<.200	<.416	<.102	<.728	<.153	<.384	<.208	<.368	<.352	<.304	<.856	<.272
DATE	1,3-DI- CHLORO- PROPANE WAT. WH TOTAL (UG/L) (77173)	2,2-DI- CHLORO- PROPANE WAT. WH TOTAL (UG/L) (77170)	123-TRI- CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	2BUTENE TRANS-1 4-DI- CHLORO WATER UNFLTRD RECOVER (UG/L) (73547)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	CIS-1,2 DI- CHLORO- ETHENE TOTAL (UG/L) (77093)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)
JUN 11...	<.464	<.312	<.280	<.568	<.277	<.400	<.448	<.176	<.152	<.128	<.152	<.152

QUALITY OF GROUND WATER

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WATER QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

YAZOO COUNTY--Continued

324355090391801 P062 C A TRAMMELL--Continued

DATE	PROPENE 3- CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	1,1-DI CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	ETHYL- BENZENE TOTAL (UG/L) (34371)	TOLUENE TOTAL (UG/L) (34010)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	BENZENE 123-TRI METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)
JUN 11...	<.784	<.104	<.368	<.536	<.744	<.192	<.384	<.120	<.152	<.256	<.256	<.496
DATE	BENZENE 124-TRI METHYL WATER UNFLTRD REC (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)	PREH- NITENE WATER UNFLTRD RECOVER (UG/L) (49999)	ISO- DURENE WATER UNFLTRD RECOVER (UG/L) (50000)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (UG/L) (77356)	BENZENE TOTAL (UG/L) (34030)	NAPHTH- ALENE TOTAL (UG/L) (34696)	STYRENE TOTAL (UG/L) (77128)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)
JUN 11...	<.224	<.176	<.920	<.960	<.128	<.168	<.400	<.440	<.128	<1.00	<.168	<19.6
DATE	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT- BUTYL ETHYL WATER UNFLTRD RECOVER (UG/L) (50004)	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	ETHER TERT- PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	DI-ISO- PROPYL- ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	2-HEXA- NONE WATER WHOLE TOTAL (UG/L) (77103)	METHYL ISO- BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	CHLORO- BENZENE TOTAL (UG/L) (34301)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)
JUN 11...	<.680	<.216	<.448	<.448	<.392	<4.59	<2.98	<1.50	<6.60	<.144	<.112	<.192
DATE	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)	CARBON DI- SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	METHAC- RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	METHYL ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METH- ACRYLO- NITRITE WATER UNFLTRD RECOVER (UG/L) (81593)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	ACRYLO- NITRILE TOTAL (UG/L) (34215)
JUN 11...	<.216	<.200	<1.06	<.752	<.168	<.224	<.320	<1.11	<2.45	<2.28	<1.40	<4.90

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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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