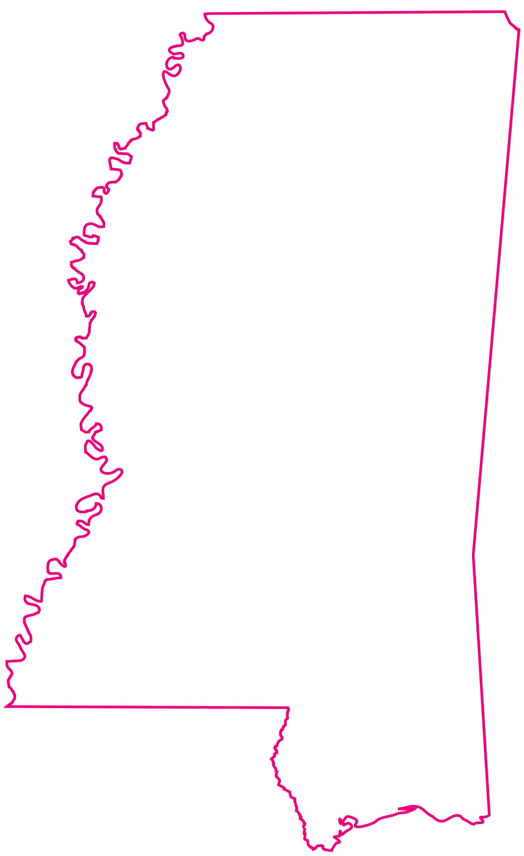
Water Resources Data Mississippi Water Year 2002

Water-Data Report MS-02-1



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 2002

2001

OCTOBER

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

NOVEMBER

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

DECEMBER

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31					

2002

JANUARY

S	M	T	W	T	F	S
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

FEBRUARY

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28		

MARCH

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31						

APRIL

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

MAY

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

JUNE

S	M	T	W	T	F	S
						1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

JULY

S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

AUGUST

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

SEPTEMBER

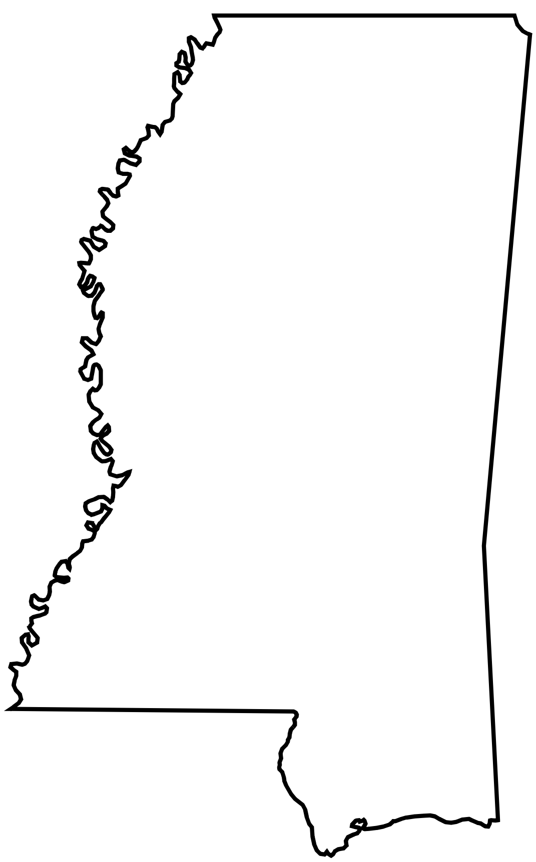
S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

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

Water Resources Data Mississippi Water Year 2002

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

Water-Data Report MS-02-1



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

GALE A. NORTON, Secretary

U.S. GEOLOGICAL SURVEY

Charles G. Groat, Director

For information on
the water program in Mississippi
write to:

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

2003

PREFACE

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

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

J.H. Alvis	D.K. Massingill	G.T. Snellings
W.T. Baldwin	K.J. Oberhofer	S.J. Stocks
K.E. Burks	A.L. Pegues	K.B. Usry
D.E. Burt	W.P. Purvis	W.P. Wardlaw
J.C. Culpepper	R.A. Rebich	D.T. Wilson
J.M. Elliot	B.R. Richards	K.V. Wilson
J.R. Howell	B.A. Roberts	J.M. Windham
M.A. Manning	M.S. Runner	K.E. Winters
	R.V. Simmons	

Joyce Kellum is responsible for typing and editing this report.

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

REPORT DOCUMENTATION PAGE

Form Approved OMB No. 0704-0188

1. AGENCY USE ONLY *(Leave blank)*

2. REPORT DATE
April 2003

3. REPORT TYPE AND DATES COVERED
Annual--Oct. 1, 2001 to Sept. 30, 2002

4. TITLE AND SUBTITLE
Water Resources Data, Mississippi, Water Year 2002

5. FUNDING NUMBERS

6. AUTHOR(S)
F. Morris III, D.P. Turnipseed, and J.B. Storm

7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES)
U.S. Geological Survey, Water Resources Discipline
308 South Airport Road
Pearl, Mississippi 39208-6649

8. PERFORMING ORGANIZATION REPORT NUMBER
USGS-WDR-MS-02-1

9. SPONSORING / MONITORING AGENCY NAME(S) AND ADDRESS(ES)
U.S. Geological Survey, Water Resources Discipline
308 South Airport Road
Pearl, Mississippi 39208-6649

10. SPONSORING / MONITORING AGENCY REPORT NUMBER
USGS-WDR-MS-02-1

11. SUPPLEMENTARY NOTES
Prepared in cooperation with the State of Mississippi and with other agencies.

12a. DISTRIBUTION / AVAILABILITY STATEMENT
No restrictions on distribution. This report may be purchased from:
National Technical Information Service, Springfield, VA 22161

12b. DISTRIBUTION CODE

13. ABSTRACT *(Maximum 200 words)*

Water resources data for the 2002 water year for Mississippi consist of records of surface water and ground water in the State. Specifically, it contains: (1) Discharge records for 91 streamflow-gaging stations, stage records for 22 of these gaging stations, discharge records for 91 partial-record stations or miscellaneous streamflow sites, including 13 flood hydrograph partial-record stations, 78 crest-stage partial-record stations, and 0 special study and miscellaneous sites; (2) stage only at 9 gaging stations; (3) water-quality records for 13 streamflow-gaging stations, 7 stage-only stations, and 3 water-quality monitor stations, 0 partial-record stations or miscellaneous sites, 97 short-term study sites, and 39 wells; and (4) water-level records for 18 observation wells. Records obtained from water-resources investigations are also included in special sections of the report. These data represent that part of the National Water Data System operated by the U.S. Geological Survey, and cooperating local, State, and Federal agencies in Mississippi.

14. SUBJECT TERMS
*Mississippi, *Hydrologic data, *Surface water, *Ground water, Water quality, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water analyses, Water levels.

15. NUMBER OF PAGES
432

16. PRICE CODE

17. SECURITY CLASSIFICATION OF REPORT	18. SECURITY CLASSIFICATION OF THIS PAGE	19. SECURITY CLASSIFICATION OF ABSTRACT	20. LIMITATION OF ABSTRACT
Unclassified			

CONTENTS

ILLUSTRATIONS

SURFACE-WATER STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

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

SURFACE-WATER STATIONS IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME--Continued

SURFACE-WATER STATIONS IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME--Continued

GROUND-WATER RECORDS, BY COUNTY, FOR WHICH RECORDS ARE PUBLISHED IN THIS VOLUME

GROUND-WATER LEVELS

QUALITY OF GROUND-WATER

DISCONTINUED SURFACE-WATER DISCHARGE OR STAGE-ONLY STATIONS

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

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

Discontinued surface-water discharge or stage-only stations

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

Discontinued surface-water discharge or stage-only stations

Station name	Station number	Drainage area (mi^2)	Period of record
TENNESSEE RIVER BASIN			
Yellow Cr near Doskie, MS (d)	03592800	143.0	1938-59 1973-78
Tennessee-Tombigbee Waterway at Cross Roads (e)	03592824	indeterminate	1981-95
HATCHIE RIVER BASIN			
Hatchie R near Walnut, MS (d)	07029270	274.0	1948-73
TUCSCUMBIA RIVER BASIN			
Tuscumbia R Canal near Corinth, MS (d)	07029300	277.0	1950-59
YAZOO RIVER BASIN			
Cane Cr near New Albany, MS (d)	07266000	22.2	1939-41
Cypress Cr near Etta, MS (d)	07268500*	28.5	1939-42
North Tippah Cr near Ripley, MS (d)	07269000*	20.0	1939-42
Clear Cr near Oxford, MS (d)	07271000	10.3	1939-41 1950-74
Little Tallahatchie R at Sardis, MS (d)	07272500	1545.0	1940-80
Tallahatchie R near Sardis, MS (d)	07273000	1595.0	1932-42
Hotopha Cr near Batesville, MS (d)	07273100*	35.1	1986-01
Little Tallahatchie R at Batesville, MS (d)	07273500	1750.0	1907-13
Town Cr at Water Valley, MS (d)	07274251*	3.97	1985-01
Otoucalofa Cr Canal near Water Valley, MS (d)	07274252*	97.1	1985-01
Yocona R at Enid Dam, MS (d)	07275000	560.0	1928-80
Peters (Long) Cr near Pope, MS (d)	07275530*	79.2	1987-01
Coldwater R near Lewisburg, MS (d)	07276000	218.0	1940-53
Pigeonroost Cr near Lewisburg, (d)	07277000	228.0	1940-53
Coldwater R near Coldwater, MS (d)	07277550	617.0	1928-42
Senatobia Cr near Senatobia, MS (d)	07277730*	62.8	1986-01
Coldwater R at Arkabutla Dam, MS (d)	07278500	1000.0	1937-80
Coldwater R at Savage, MS (d)	07279500	1225.0	1909-12 1936-42
Tallahatchie R near Lambert, MS (d)	07280000	1980.0	1936-80
Tillatoba Cr Bl Oakland, MS (d)	07280270	37.1	1974-84
South Fork Tillatoba Cr near Charleston, MS (d)	07280340	53.9	1975-87
North Fork Tillatoba Cr near Teasdale, MS (d)	07280460	30.8	1984-89
Tallahtchie R at Swan Lake, MS (d)	07281000	5130.0	1939-80
Yalobusha R at Graysport, MS (d)	07282500	607.0	1940-49
Skuna R near Coffeeville, MS (d)	07283500	435.0	1940-49
Yalobusha R at Grenada Dam near Grenada, MS (d)	07285000	1320.0	1961-80
Batupan Bogue at Grenada, MS (d)	07285400	240.0	1985-97
Askalmore Cr at Retention Dam near Cascilla, MS (d)	07285900	10.5	1967-74
Thompson Cr at McCarley, MS (d)	07286500	14.4	1957-64
Yazoo R at Greenwood, MS (d)	07287000	7450.0	1908-13 1928-80
Fannegusha Cr near Howard, MS (d)	07287355	107.0	1987-96 1999-00
Harland Cr near Howard, MS (d)	07287404*	62.1	1987-97 1999-00
Black Cr at Howard, MS (d)	07287405*	178.0	1999-01
Big Sunflower R at Clarksdale, MS (d)	07288000	108.0	1937-42
Big Sunflower R at Sunflower, MS (d)	07288500	767.0	1936-80
MISSISSIPPI RIVER BASIN			
Big Black R at Pickens, MS (d)	07289500	1493.0	1936-71
Bayou Pierre near Carpenter, MS (d)	07290500	371.0	1945-51
Mississippi R at Natchez, MS (d)	07290880	1145400.0	1949-78
Homochitto R near Bude, MS (d)	07291500	399.0	1942-50
Homochitto R near Kingston, MS (d)	07293500	1000.0	1945-49
Homochitto R near Doloroso, MS (d)	07294500	1120.0	1940-51

DISCONTINUED SURFACE-WATER-QUALITY STATIONS

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

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

Discontinued continuous-record surface-water-quality stations

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

THIS PAGE IS INTENTIONALLY BLANK

INTRODUCTION

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

This report includes records of surface water and ground water in the State. Specifically, it contains: (1) Discharge records for 91 streamflow-gaging stations, stage records for 22 of these gaging stations, discharge records for 91 partial-record stations or miscellaneous streamflow sites, including 13 flood hydrograph partial-record stations, 78 crest-stage partial-record stations and 0 special study and miscellaneous sites, (2) stage only at 9 gaging stations, (3) water-quality records for 13 streamflow-gaging stations, 7 stage-only stations, 3 water-quality monitor stations, 0 partial-record stations or miscellaneous sites, 97 short-term study sites, and 39 wells, and (4) water-level records for 18 observation wells. Records obtained from water-resources investigations are also included in special sections of the report. Records included for stream stages are only a small fraction of those obtained during the water year.

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

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

Publications similar to this report are published annually by the U.S. Geological Survey for all States. These official Survey reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number; for example, "U.S. Geological Survey Water-Data Report MS-75-1." For archiving and general distribution, the reports for 1971-74 water years also are identified as water-data reports. These water-data reports are for sale in paper copy or in microfiche by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22161.

COOPERATION

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

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

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

Organizations that provided data are acknowledged in station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow

Annual mean streamflow was normal in most streams in Mississippi during the 2002 water year. Comparisons of monthly mean and annual mean discharges in the 2002 water year with median values for the period 1971-2000 were made for three representative gaging stations: Tombigbee River at Stennis Lock and Dam near Columbus, in northeastern Mississippi, Big Black River near Bovina, in central Mississippi, and Pascagoula River at Merrill, in southeastern Mississippi. The monthly mean discharges at the Pascagoula River at Merrill were below the normal range (±25 percent of the median for the reference period 1971-2000) during the months of May, June, and August. The monthly mean discharges at the Tombigbee River at Sennis Lock and Dam near Columbus were above normal (±25 percent of the median for the reference period 1971-2000) during the months of October, December, May, and September. The monthly mean discharges at the Pascagoula River at Merrill were also above normal in October, December, and September. The monthly mean discharges at the Big Black River at Bovina were within normal conditions all year. The following three paragraphs discuss flow for the water year for these three representative gaging stations in Mississippi.

Runoff of the Tombigbee River at Stennis Lock and Dam near Columbus was 28.84 inches for the water year, or 133 percent of the median annual runoff of 21.75 inches for the reference period 1971-2000. Discharge was above normal in October, December, May, and September, when the monthly mean discharges were 443, 234, 265 and 468 of the percent of the median monthly discharges for the reference period, respectively. Monthly mean discharges for other months were within the normal range.

Runoff of the Pascagoula River at Merrill was 17.28 inches for the water year, or 82 percent of the median annual runoff for the reference period (21.21 inches). Discharge was above normal in October, December, and September, when the monthly mean discharges were 392, 179, and 252 percent of the monthly median discharge for the reference period, respectively. Discharge was below normal in May, June, and August, when the monthly mean discharges were 28, 44, and 58 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 Big Black River near Bovina was 20.92 inches for the water year, or 105 percent of the median annual runoff for the reference period (19.88 inches). Monthly mean discharges were within the normal range throughout the year.

Streamflow Quality

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

In water from most sstreams in Mississippi, dissolved-oxygen concentrations are generally greater than 5.0 mg/L and are lowest during the summer months when stream temperatures are high and streamflow velocities are low. Determinations of pH indicate that most streams are neutral to slightly acidic at most times. The minimum, median, and maximum values of dissolved-oxygen concentrations and values of pH during water year 2002 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 2002

	Minimum	Median	Maximum
Dissolved-oxygen concentration, in milligrams per liter	4.7	6.8	11.1
pH, in standard units	6.5	7.0	7.2

Ground-Water Levels

Ground-water levels in most artesian aquifers in Mississippi continued long-term declines in the latter part of the 2002 water year following seasonal water-level recoveries during the early part of the next year. Fluctuations of ground-water levels in a confined aquifer in a representative observation well is shown in the hydrograph in figure 1.

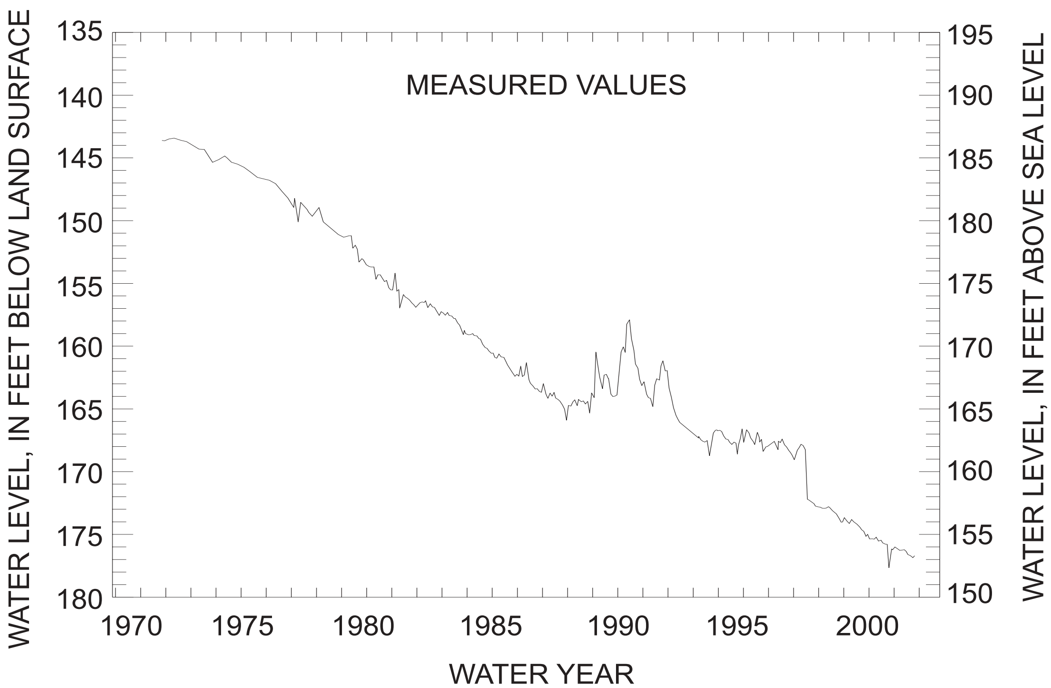


Figure 1.--Hydrograph of well in the Cockfield aquifer in the Jackson metropolitan area.

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

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

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Benchmark Network is a network of 50 sites in small drainage basins around the country whose purpose is to provide consistent data on the streamflow representative of undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by human activities. At 10 of these sites, water-quality information is being gathered on major ions and nutrients, primarily to assess the affects of acid deposition on stream chemistry. Additional information on the Hydrologic Benchmark Program can be found at http://water.usgs.gov/hbn/.

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

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

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

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

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

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 2002 water year that began October 1, 2000, and ended September 30, 2001. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage data for lakes and reservoirs, water-quality data for surface and ground water, and ground-water-level data. The locations of the stations and wells where the data were collected are shown in figures 4, 5, and 6. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

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

Downstream Order System

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

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

Latitude-Longitude System

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

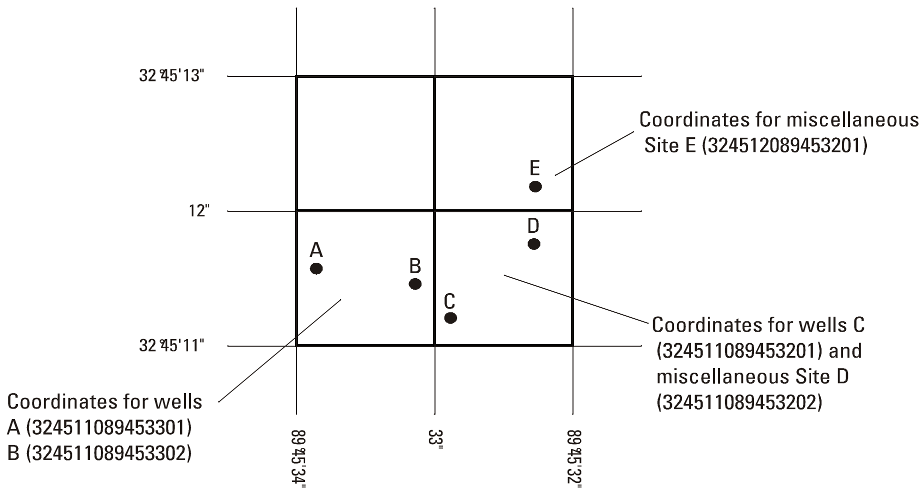


Figure 2.--System for numbering wells and miscellaneous sites (latitude and longitude).

Records of Stage and Water Discharge

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

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

Data Collection and Computation

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

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

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

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

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

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

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

Data Presentation

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

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

Station Manuscript

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Data table of daily mean values

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

Statistics of monthly mean data

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

Summary statistics

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

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

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

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

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

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

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

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

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

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

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

MAXIMUM PEAK STAGE.--The maximum instantaneous peak stage occurring for the water year or for the designated period. Occasionally the maximum stage for a year may occur at midnight at the beginning or end of the year, on a recession from or rise toward a higher peak in the adjoining year. In this case, the maximum peak stage is given in the table, and the maximum stage may be reported in the REMARKS paragraph in the manuscript or in a footnote. If the dates of occurrence of the maximum peak stage and maximum peak flow are different, the REMARKS paragraph in the manuscript or a footnote may be used to provide furthur 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 ft^3/s, to the nearest tenth between 1.0 and 10 ft^3/s, to whole numbers between 10 and 1,000 ft^3/s, and to 3 significant figures for more than 1,000 ft^3/s. The number of significant figures used is based solely on the magnitude of the discharge value. The same rounding rules apply to discharges listed for partial-record stations and miscellaneous sites.

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

Other Records Available

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

Records of Surface-Water Quality

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

Classification of Records

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

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

Arrangement of Records

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

On-site Measurements and Sample Collection

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

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

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

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

Water Temperature

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

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

Sediment

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

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

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

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

Laboratory Measurements

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

Data Presentation

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.

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

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

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

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

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

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

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

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

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

REVISIONS.--If errors in published water-quality records are discovered after publication, appropriate updates are made in the U.S. Geological Survey's distributed data system, NWIS, and subsequently to its web-based National data system, NWISWeb [http://water.usgs.gov/nwis/nwis]. Because the usual volume of updates makes it impractical to document individual changes in the State data-report series or elsewhere, potential users of U.S. Geological Survey water-quality data are encouraged to obtain all required data from NWIS or NWISWeb to insure the most recent updates. Updates to NWISWeb are currently made on an annual basis.

Fixed Value Parameter Codes

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

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

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

Sample Source (72005)

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

Sampling Condition (72006)

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

Sampling Method (82398)

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

Well Purging Condition (84143)

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

Sampler Type (84164)

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

Weather (00041)

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

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 (µg/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 µg/L level should be viewed with caution. Such data may actually represent elevated environmental concentrations from natural or human causes; however, these data could reflect contamination introduced during sampling, processing, or analysis. To confidently produce dissolved trace-element data with insignificant contamination, the U.S. Geological Survey began using new trace-element protocols at some stations in water year 1994.

Change in National Trends Network Procedures

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

Quality-control Data

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Records of Ground-Water Levels

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

Data Collection and Computation

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

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

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

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

Data Presentation

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

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

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

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

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

DATUM.--This entry describes both the measuring point and the land-surface elevation at the well. The measuring point is described physically (such as top of collar, notch in top of casing, plug in pump base and so on), and in relation to land surface (such as 1.3 ft above land-surface datum). The elevation of the land-surface datum is described in feet above (or below) NGVD of 1929. It is reported with a precision depending on the method of determination.

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

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

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

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

Records of Ground-Water Quality

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

Data Collection and Computation

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

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

Data Presentation

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

ACCESS TO USGS WATER DATA

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

http://water.usgs.gov

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

DEFINITION OF TERMS

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

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

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

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

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

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

> Acre-foot (AC-FT, acre-ft) is a unit of volume, commonly used to measure quantities of water used or stored, equivalent to the volume of water required to cover 1 acre to a depth of 1 foot and equivalent to 43,560 cubic feet, 325,851 gallons, or 1,233 cubic meters.
>
> Cubic foot per second per square mile [CFSM, $(ft^3/s)/mi^2$] is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming the runoff is distributed uniformly in time and area.
>
> Inch (IN, in.), as used in this report, refers to the depth to which the drainage area would be covered with water if all of the runoff for a given time period were uniformly distributed on it.
>
> Runoff is the quantity of water that is discharged ("runs off") from a drainage basin in a given time period. Runoff data may be presented as volumes in acre-feet, as mean discharges per unit of drainage area in cubic feet per second per square mile, or as depths of water on the drainage basin in inches.

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

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

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

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

> *Clostridium perfringens* (*C. perfringens*) is a spore-forming bacterium that is common in the feces of human and other warm-blooded animals. Clostridial spores are being used experimentally as an indicator of past fecal contamination and presence of microorganisms that are resistant to disinfection and environmental stresses.
>
> Enterococcus bacteria are commonly found in the feces of humans and other warmblooded animals. Although some strains are ubiquitous and not related to fecal pollution, the presence of enterococci in water is an indication of fecal pollution and the possible presence of enteric pathogens. Enterococcus bacteria are those bacteria that produce pink to red colonies with black or reddish-brown precipitate after incubation at 41 ^{o}C on mE agar (nutrient medium for bacterial growth) and subsequent transfer to EIA medium. Enterococci include *Streptococcus feacalis*, *Streptococcus feacium*, *Streptococcus avium*, and their variants.
>
> *Escherichia coli* (*E. coli*) are bacteria present in the intestine and feces of warmblooded animals. *E.coli* are a member species of the fecal coliform group of indicator bacteria. In the laboratory, they are defined as those bacteria that produce yellow or yellow-brown colonies on a filter pad saturated with urea substrate broth after primary culturing for 22 to 24 hours at 44.5 ^{o}C on mTEC medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

DEFINITION OF TERMS--Continued

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

Fecal streptococcal bacteria are present in the intestine of warmblooded animals and are ubiquitous in the environment. They are characterized as gram-positive, cocci bacteria that are capable of growth in brain-heart infusion broth. In the laboratory, they are defined as all the organisms that produce red or pink colonies within 48 hours at 35 ^{o}C $\pm$ 1.0 ^{o}C on KF-streptococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 milliters 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 intestines of warmblooded animals and those that inhabit soils. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria that ferment lactose with gas formation within 48 hours at 35 ^{o}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 ^{o}C $\pm$ 1.0 ^{o}C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 milliters of sample.

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

Base flow is sustained flow of a stream in the absence of direct runoff. It includes natural and human-induced streamflows. Natural base flow is sustained largely by ground-water discharge.

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

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

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

Recoverable from bed (bottom) material is the amount of a given constituent that is insolution 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.

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

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

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

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

Dry mass refers to the mass of residue present after drying in an oven at 105 ^{o}C, until the mass remains unchanged. This mass represents the total organic matter, ash, and sediment in the sample. Dry mass is expressed in the same units as ash mass.

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

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

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

Bottom material: See "Bed material."

DEFINITION OF TERMS--Continued

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

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

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

sphere $4/3\ \pi r^3$ cone $1/3\ \pi r^2 h$ cylinder $\pi r^2 h$.

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

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

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

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

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

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

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

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

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

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

Control designates a feature in the channel that physically affects the water-surface elevation and thereby determines the stage-discharge relation at the gage. This feature may be a constriction of the channel, a bedrock outcrop, a gravel bar, an artificial structure, or a uniform cross section over a long reach of the channel.

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

Cubic foot per second (CFS, ft^3/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point in 1 second. It is equivalent to approximately 7.48 gallons per second or 449 gallons per minute, or 0.02832 cubic meters per second. The term "second-foot" sometimes is used synonymously with "cubic foot per second" but is now obsolete.

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

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

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

DEFINITION OF TERMS--Continued

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

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

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

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

http://www.ngs.noaa.gov/faq.shtml#WhatVD29VD88

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

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

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

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

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

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

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

Dissolved-solids concentration in water is the quantity of dissolved material in a sample of water. It is determined either analytically by the "residue-on-evaporation" method, or mathematically by totaling the concentrations of individual constituents reported in a comprehensive chemical analysis. During the analytical determination, the bicarbonate (generally a major dissolved component of water) is converted to carbonate. In the mathematical calculation, the bicarbonate value, in milligrams per liter, is multiplied by 0.4926 to convert it to carbonate. Alternatively, alkalinity concentration (as mg/L $CaCO_3$) can be converted to carbonate concentration by multiplying by 0.60.

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

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

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

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

DEFINITION OF TERMS--Continued

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

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

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

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

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

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

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

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

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

Gaging station is a site on a stream, canal, lake, or reservoir where systematic observations of stage, discharge, or other hydrologic data are obtained.

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

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

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

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

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

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

DEFINITION OF TERMS--Continued

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

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

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

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

Horizontal datum: See "Datum."

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

DEFINITION OF TERMS--Continued

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

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

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

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

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

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

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

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

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

Minimum reporting level (MRL) is the smallest measured concentration of a constituent that may be reliably reported by using a given analytical method.

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

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

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

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

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

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

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

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

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

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

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

DEFINITION OF TERMS--Continued

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

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

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

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

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

Classification	Size (mm)	Method of analysis
Clay..........	>0.00024 - 0.004	Sedimentation.
Silt..........	>0.004 - 0.062	Sedimentation.
Sand..........	>0.062 - 2.0	Sedimentation/sieve.
Gravel.........	>2.0 - 64.0	Sieve.
Cobble.........	>64 - 256	Manual measurement.
Boulder........	>256	Manual measurement.

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

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

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

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

Percent shading is a measure of the amount of sunlight potentially reaching the stream. A clinometer is used to measure left and right bank canopy angles. These values are added together, divided by 180, and multiplied by 100 to compute percentage of shade.

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

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

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

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

Picocurie (PC, pCi) is one trillionth (1×10^{-12}) of the amount of radioactive nuclide represented by a curie (Ci). A curie is the quantity of radioactive nuclide that yields 3.7×10^{10} radioactive disintegrations per second (dps). A picocurie yields 0.037 dps, or 2.22 dpm (disintegrations per minute).

Plankton is the community of suspended, floating, or weakly swimming organisms that live in the open water of lakes and rivers. Concentrations are expressed as a number of cells per milliliter (cells/mL) of sample.

DEFINITION OF TERMS--Continued

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 commonly are known as algae.

Blue-green algae (*Cyanophyta*) are a group of phytoplankton organisms having a blue pigment, in addition to the green pigment called chlorophyll. Blue-green algae often cause nuisance conditions in water. Concentrations are expressed as a number of cells per milliliter (cells/mL) of sample.

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

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

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

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

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

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

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

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

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

Primary productivity (carbon method) is expressed as milligrams of carbon per area per unit time [mg $C/(m^2/time)$] for periphyton and macrophytes or per volume [mg $C/(m^3/time)$] for phytoplankton. The carbon method defines the amount of carbon dioxide consumed as measured by radioactive carbon (carbon-14). The carbon-14 method is of greater sensitivity than the oxygen light and dark bottle method and is preferred for use with unenriched water samples. Unit time may be either the hour or day, depending on the incubation period.

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

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.

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

DEFINITION OF TERMS--Continued

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

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

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

Return period: See "Recurrence interval."

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

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

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

Sediment is solid material that originates mostly from disintegrated rocks; when transported by, suspended in, or deposited from water, it is referred to as "fluvial sediment." Sediment includes chemical and biochemical precipitates and decomposed organic material, such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are affected by environmental and land-use factors. Some major factors are topography, soil characteristics, land cover, and depth and intensity of precipitation.

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

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/L). The analytical technique uses the mass of all of the sediment and the net weight of the water-sediment mixture in a sample to compute the suspended-sediment concentration.

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

Suspended-sediment discharge (tons/day) is the rate of sediment transport, as measured by dry mass or volume, that passes a cross section in a given time. It is calculated in units of tons per day as follows: concentration (mg/L) x discharge (ft^3/s) x 0.0027.

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

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

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

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

DEFINITION OF TERMS--Continued

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

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions within soil and is an index of sodium or alkali hazard to the soil. Sodium hazard in water is an index that can be used to evaluate the suitability of water for irrigating crops.

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

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

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

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

Stage: See "Gage height."

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

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

Substrate is the physical surface upon which an organism lives.

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

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

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

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

Embeddedness is the degree to which gravel-sized and larger particles are surrounded or enclosed by finer-sized particles.

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

Surficial bed material is the upper surface (0.1 to 0.2 ft) of the bed material 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 defined operationally as the material retained on a 0.45-micrometer filter.

Suspended, recoverable is the amount of a given constituent that is in solution after the part of a representative suspended water-sediment sample that is retained on a 0.45-micrometer membrane filter has been digested by a method (usually using a dilute acid solution) that results in dissolution of only readily soluble substances. Complete dissolution of all the particulate matter is not achieved by the digestion treatment, and thus the determination represents something less than the "total" amount (that is, less than 95 percent) of the constituent present in the sample. To achieve comparability of analytical data, equivalent digestion procedures are required of all laboratories performing such analyses because different digestion procedures are likely to produce different analytical results. Determinations of "suspended, recoverable" constituents are made either by directly analyzing the suspended material collected on the filter or, more commonly, by difference, on the basis of 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 water-sediment sample that is retained on a 0.45-micrometer membrane filter. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. Knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to determine when the results should be reported as "suspended, total." Determinations of "suspended, total" constituents are made either by directly analyzing portions of the suspended material collected on the filter or, more commonly, by difference, based on determinations of (1) dissolved and (2) total concentrations of the constituent.

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

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

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

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

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

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

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

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water resulting from the mixing of flow proportionally to the duration of the concentration.

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

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

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

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

Total in bottom material is the amount of a given constituent in a representative sample of bottom material. This term is used only when the analytical procedure assures measurement of at least 95 percent of the constituent determined. A knowledge of the expected form of the constituent in the sample, as well as the analytical methodology used, is required to judge when the results should be reported as "total in bottom material."

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

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

DEFINITION OF TERMS--Continued

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

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

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

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

Vertical datum: See "Datum."

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

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

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

Unconfined aquifer is an aquifer whose upper surface is a water table free to fluctuate under atmoshperic pressure.

Water year in U.S. Geological Survey reports dealing with surface-water supply is the 12-month period October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1975, is called the "1975 water year."

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

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

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

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

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

The U.S. Geological Survey (USGS) publishes a series of manuals titled the "Techniques of Water-Rrsources Investigations" that describe procedures for planning and conducting specialized work in water-resources investigations. The material in these manuals 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. Each chapter then is limited to a narrow field of the section subject matter. This publication format permits flexibility when revision or printing is required.

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

Book 1. Collection of Water Data by Direct Measurement

Section D. Water Quality

1-D1. *Water temperature--Influential factors, field measurement, and data presentation*, by H.H. Stevens, Jr., J.F. Ficke, and G.F. Smoot: USGS--TWRI book 1, chap. D1. 1975. 65 p.

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

Book 2. Collection of Environmental Data

Section D. Surface Geophysical Methods

2-D1. *Application of surface geophysics to ground-water investigations,* by A.A.R. Zohdy, G.P. Eaton, and D.R. Mabey: USGS--TWRI book 2, chap. D1. 1974. 116 p.

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

Section E. Subsurface Geophysical Methods

2-E1. *Application of borehole geophysics to water-resources investigations,* by W.S. Keys and L.M. MacCary: USGS--TWRI book 2, chap. E1. 1971. 126 p.

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

Section F. Drilling and Sampling Methods

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

Book 3. Applications of Hydraulics

Section A. Surface-Water Techniques

3-A1. *General field and office procedures for indirect discharge measurements,* by M.A. Benson and Tate Dalrymple: USGS--TWRI book 3, chap. A1. 1967. 30 p.

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

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

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

3-A5. *Measurement of peak discharge at dams by indirect methods,* by Harry Hulsing: USGS--TWRI book 3. chap. A5. 1967. 29 p.

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

3-A7. *Stage measurement at gaging stations,* by T.J. Buchanan and W.P. Somers: USGS--TWRI book 3, chap. A7. 1968. 28 p.

3-A8. *Discharge measurements at gaging stations,* by T.J. Buchanan and W.P. Somers: USGS--TWRI book 3, chap. A8. 1969. 65 p.

3-A9. *Measurement of time of travel in streams by dye tracing,* by F.A. Kilpatrick and J.F. Wilson, Jr.: USGS--TWRI book 3, chap. A9. 1989. 27 p.

3-Al0. *Discharge ratings at gaging stations,* by E.J. Kennedy: USGS--TWRI book 3, chap. A10. 1984. 59 p.

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

3-A12. *Fluorometric procedures for dye tracing*, Revised, by J.F. Wilson, Jr., E.D. Cobb, and F.A. Kilpatrick: USGS--TWRI book 3, chap. A12. 1986. 34 p.

3-A13. *Computation of continuous records of streamflow*, by E.J. Kennedy: USGS--TWRI book 3, chap. A13. 1983. 53 p.

3-A14. *Use of flumes in measuring discharge,* by F.A. Kilpatrick and V.R. Schneider: USGS--TWRI book 3, chap. A14. 1983. 46 p.

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

Book 3. Applications of Hydraulics--Continued

Section A. Surface-Water Techniques--Continued

3-A15. *Computation of water-surface profiles in open channels,* by Jacob Davidian: USGS--TWRI book 3, chap. A15. 1984. 48 p.

3-A16. *Measurement of discharge using tracers*, by F.A. Kilpatrick and E.D. Cobb: USGS--TWRI book 3, chap. A16. 1985. 52 p.

3-A17. *Acoustic velocity meter systems,* by Antonius Laenen: USGS--TWRI book 3, chap. A17. 1985. 38 p.

3-A18. *Determination of stream reaeration coefficients by use of tracers,* by F.A. Kilpatrick, R.E. Rathbun, Nobuhiro Yotsukura, G.W. Parker, and L.L. DeLong: USGS--TWRI book 3, chap. A18. 1989. 52 p.

3-A19. *Levels at streamflow gaging stations*, by E.J. Kennedy: USGS--TWRI book 3, chap. A19. 1990. 31 p.

3-A20. *Simulation of soluable waste transport and buildup in surface waters using tracers*, by F.A. Kilpatrick: USGS--TWRI book 3, chap. A20. 1993. 38 p.

3-A21 *Stream-gaging cableways,* by C. Russell Wagner: USGS--TWRI book 3, chap. A21. 1995. 56 p.

Section B. Ground-Water Techniques

3-B1. *Aquifer-test design, observation, and data analysis,* by R.W. Stallman: USGS--TWRI book 3, chap. B1. 1971. 26 p.

3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G.D. Bennett: USGS--TWRI book 3, chap. B2. 1976. 172 p.

3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J.E. Reed: USGS--TWRI book 3, chap. B3. 1980. 106 p.

3-B4. *Regression modeling of ground-water flow,* by R.L. Cooley and R.L. Naff: USGS--TWRI book 3, chap. B4. 1990. 232 p.

3-B4. *Supplement 1. Regression modeling of ground-water flow - Modifications to the computer code for nonlinear regression solution of steady-state ground-water flow problems,* by R.L. Cooley: USGS--TWRI book 3, chap. B4. 1993. 8 p.

3-B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems--An introduction*, by O.L. Franke, T.E. Reilly, and G.D. Bennett: USGS--TWRI book 3, chap. B5. 1987. 15 p.

3-B6. *The principle of superposition and its application in ground-water hydraulics,* by T.E. Reilly, O.L. Franke, and G.D. Bennett: USGS--TWRI book 3, chap. B6. 1987. 28 p.

3-B7. *Analytical solutions for one-, two-, and three-dimensional solute transport in ground-water systems with uniform flow,* by E.J. Wexler: USGS--TWRI book 3, chap. B7. 1992. 190 p.

3-B8. *System and boundary conceptualization in ground-water flow simulation,* by T.E. Reilly: USGS--TWRI book 3, chap. B8. 2001. 29 p.

Section C. Sedimentation and Erosion Techniques

3-C1. *Fluvial sediment concepts,* by H.P. Guy: USGS--TWRI book 3, chap. C1. 1970. 55 p.

3-C2. *Field methods for measurement of fluvial sediment*, by T.K. Edwards and G.D. Glysson: USGS--TWRI book 3, chap. C2. 1999. 89 p.

3-C3. *Computation of fluvial-sediment discharge,* by George Porterfield: USGS--TWRI book 3, chap. C3. 1972. 66 p.

Book 4. Hydrologic Analysis and Interpretation

Section A. Statistical Analysis

4-A1. *Some statistical tools in hydrology*, by H.C. Riggs: USGS--TWRI book 4, chap. A1. 1968. 39 p.

4-A2. *Frequency curves,* by H.C. Riggs: USGS--TWRI book 4, chap. A2. 1968. 15 p.

4-A3. *Statistical methods in water resources,* by D.R. Helsel and R.M. Hirsch: USGS--TWRI book 4, chap. A3. 1991. Available only online at http://water.usgs.gov/pubs/twri/twri4a3/. (Accessed August 30, 2002.)

Section B. Surface Water

4-B1. *Low-flow investigations,* by H.C. Riggs: USGS--TWRI book 4, chap. B1. 1972. 18 p.

4-B2. *Storage analyses for water supply*, by H.C. Riggs and C.H. Hardison: USGS--TWRI book 4, chap. B2. 1973. 20 p.

4-B3. *Regional analyses of streamflow characteristics,* by H.C. Riggs: USGS--TWRI book 4, chap. B3. 1973. 15 p.

Section D. Interrelated Phases of the Hydrologic Cycle

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

Book 5. Laboratory Analysis

Section A. Water Analysis

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

5-A2. *Determination of minor elements in water by emission spectroscopy,* by P.R. Barnett and E.C. Mallory, Jr.: USGS--TWRI book 5, chap. A2. 1971. 31 p.

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

Book 5. Laboratory Analysis--Continued

Section A. Water Analysis--Continued

5-A3. *Methods for the determination of organic substances in water and fluvial sediments*, edited by R.L. Wershaw, M.J. Fishman, R.R. Grabbe, and L.E. Lowe: USGS--TWRI book 5, chap. A3. 1987. 80 p.

5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples,* by L.J. Britton and P.E. Greeson, editors: USGS--TWRI book 5, chap. A4. 1989. 363 p.

5-A5. *Methods for determination of radioactive substances in water and fluvial sediments,* by L.L. Thatcher, V.J. Janzer, and K.W. Edwards: USGS--TWRI book 5, chap. A5. 1977. 95 p.

5-A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments,* by L.C. Friedman and D.E. Erdmann: USGS--TWRI book 5, chap. A6. 1982. 181 p.

Section C. Sediment Analysis

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

Book 6. Modeling Techniques

Section A. Ground Water

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

6-A2. *Documentation of a computer program to simulate aquifer-system compaction using the modular finite-difference ground-water flow model,* by S.A. Leake and D.E. Prudic: USGS--TWRI book 6, chap. A2. 1991. 68 p.

6-A3. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 1: Model Description and User's Manual,* by L.J. Torak: USGS--TWRI book 6, chap. A3. 1993. 136 p.

6-A4. *A modular finite-element model (MODFE) for areal and axisymmetric ground-water-flow problems, Part 2: Derivation of finite-element equations and comparisons with analytical solutions,* by R.L. Cooley: USGS--TWRI book 6, chap. A4. 1992. 108 p.

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, chap. A5. 1993. 243 p.

6-A6. *A coupled surface-water and ground-water flow model (MODBRANCH) for simulation of stream-aquifer interaction,* by Eric D. Swain and Eliezer J. Wexler: USGS--TWRI book 6, chap. A6. 1996. 125 p.

6-A7. *User's guide to SEAWAT: A computer program for simulation of three-dimensional variable-density ground-water flow,* by Weixing Guo and Christian D. Langevin: USGS--TWRI book 6, chap. A7. 2002. 77 p.

Book 7. Automated Data Processing and Computations

Section C. Computer Programs

7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments,* by P.C. Trescott, G.F. Pinder, and S.P. Larson: USGS--TWRI book 7, chap. C1. 1976. 116 p.

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, chap. C2. 1978. 90 p.

7-C3. *A model for simulation of flow in singular and interconnected channels,* by R.W. Schaffranek, R.A. Baltzer, and D.E. Goldberg: USGS--TWRI book 7, chap. C3. 1981. 110 p.

Book 8. Instrumentation

Section A. Instruments for Measurement of Water Level

8-A1. *Methods of measuring water levels in deep wells,* by M.S. Garber and F.C. Koopman: USGS--TWRI book 8, chap. A1. 1968. 23 p.

8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J.D. Craig: USGS--TWRI book 8, chap. A2. 1983. 57 p.

Section B. Instruments for Measurement of Discharge

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

Book 9. Handbooks for Water-Resources Investigations

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

9-A1. *National field manual for the collection of water-quality data: Preparations for water sampling,* by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS--TWRI book 9, chap. A1. 1998. 47 p.

9-A2. *National field manual for the collection of water-quality data: Selection of equipment for water sampling,* edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS--TWRI book 9, chap. A2. 1998. 94 p.

9-A3. *National field manual for the collection of water-quality data: Cleaning of equipment for water sampling,* edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS--TWRI book 9, chap. A3. 1998. 75 p.

9-A4. *National field manual for the collection of water-quality data: Collection of water samples,* edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS--TWRI book 9, chap. A4. 1999. 156 p.

9-A5. *National field manual for the collection of water-quality data: Processing of water samples,* edited by F.D. Wilde, D.B. Radtke, Jacob Gibs, and R.T. Iwatsubo: USGS--TWRI book 9, chap. A5. 1999. 149 p.

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

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

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

9-A6. *National field manual for the collection of water-quality data: Field measurements,* edited by F.D. Wilde and D.B. Radtke: USGS--TWRI book 9, chap. A6. 1998. Variously paginated.

9-A7. *National field manual for the collection of water-quality data: Biological indicators,* edited by D.N. Myers and F.D. Wilde: USGS--TWRI book 9, chap. A7. 1997 and 1999. Variously paginated.

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

9-A9. *National field manual for the collection of water-quality data: Safety in field activities,* by S.L. Lane and R.G. Fay: USGS--TWRI book 9, chap. A9. 1998. 60 p.

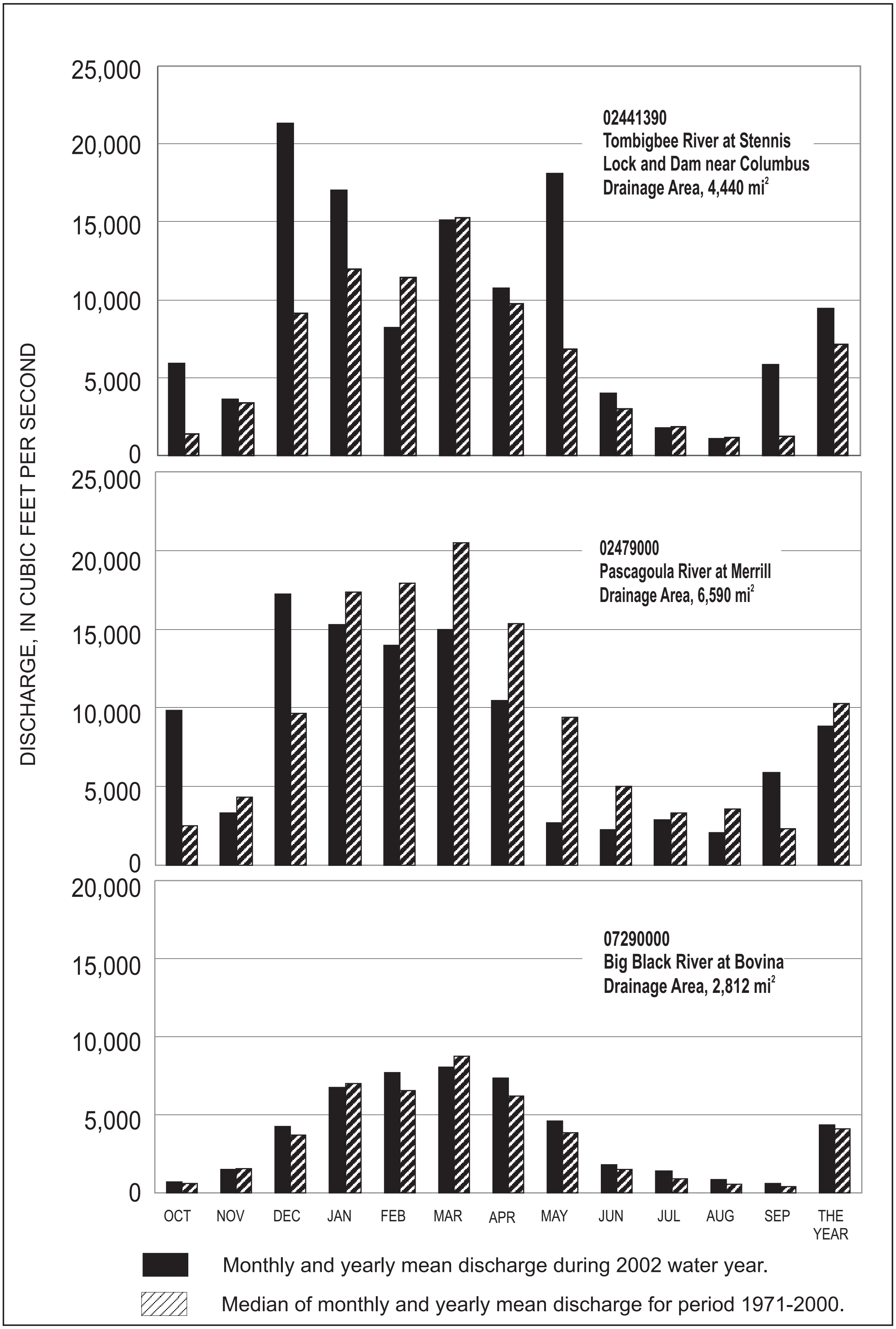


Figure 3.--Relation of discharge during 2002 water year with median discharge for period 1971-2000 for three representative gaging stations.

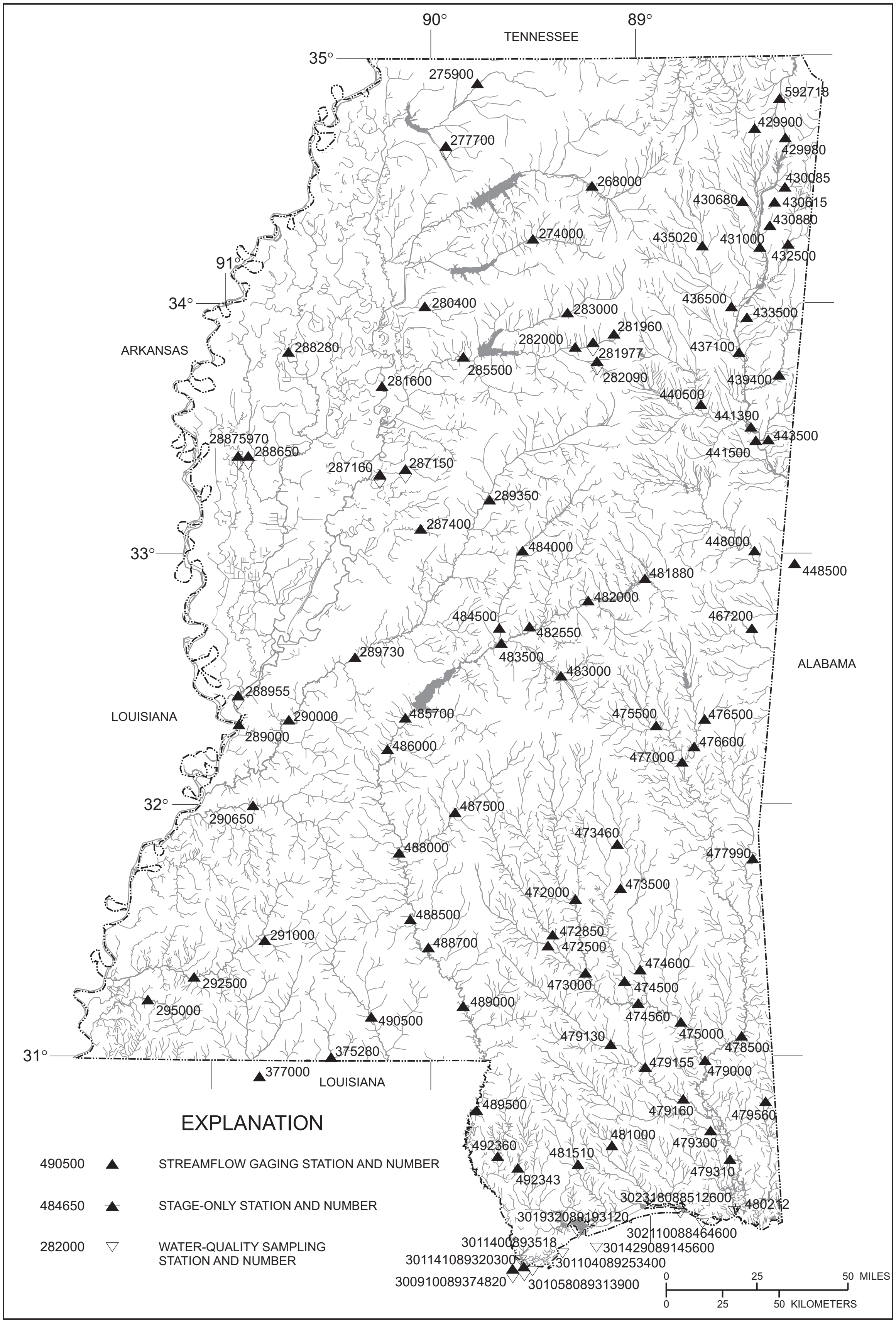


Figure 4.--Location of hydrologic-data stations.

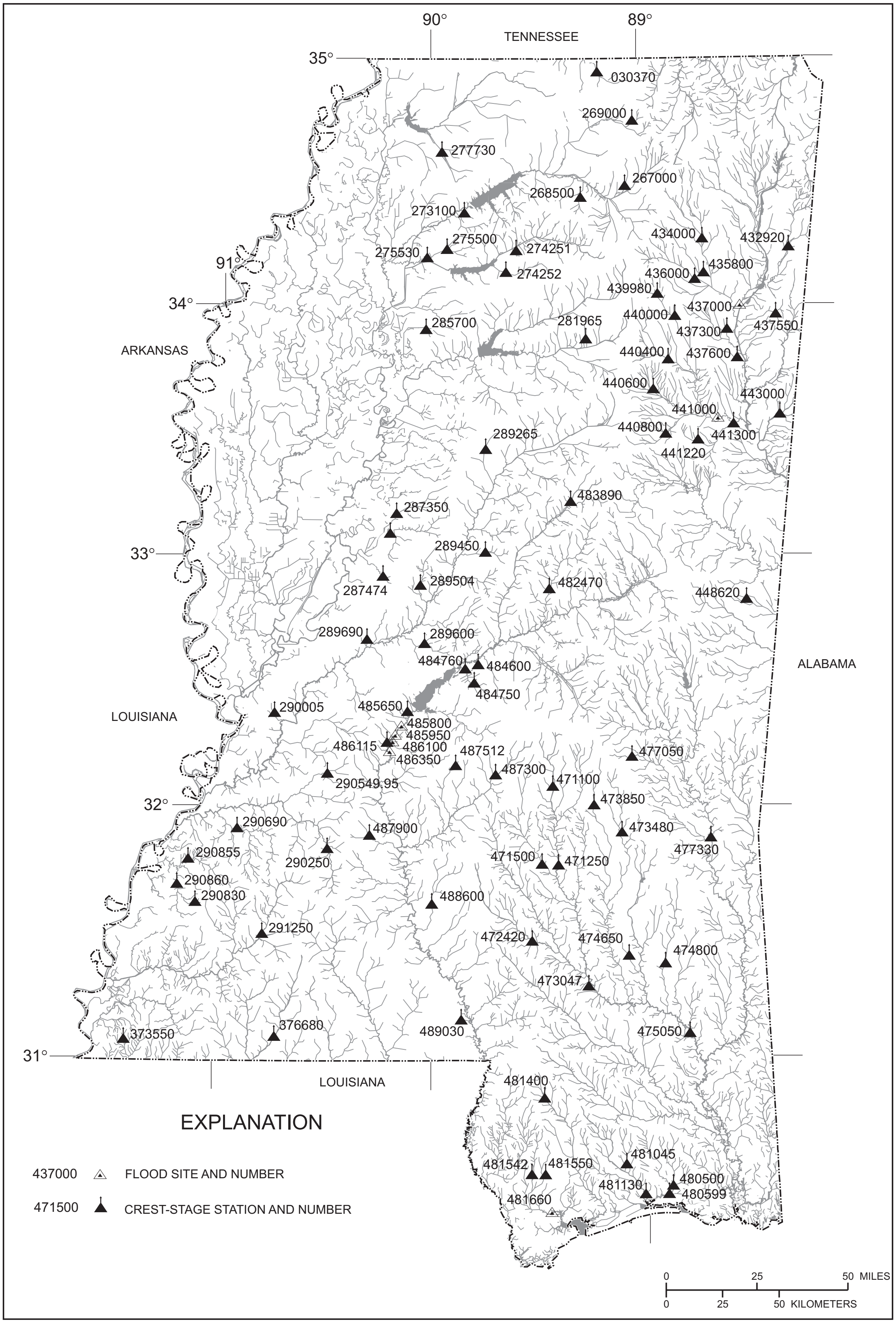


Figure 5.--Location of partial-record stations.

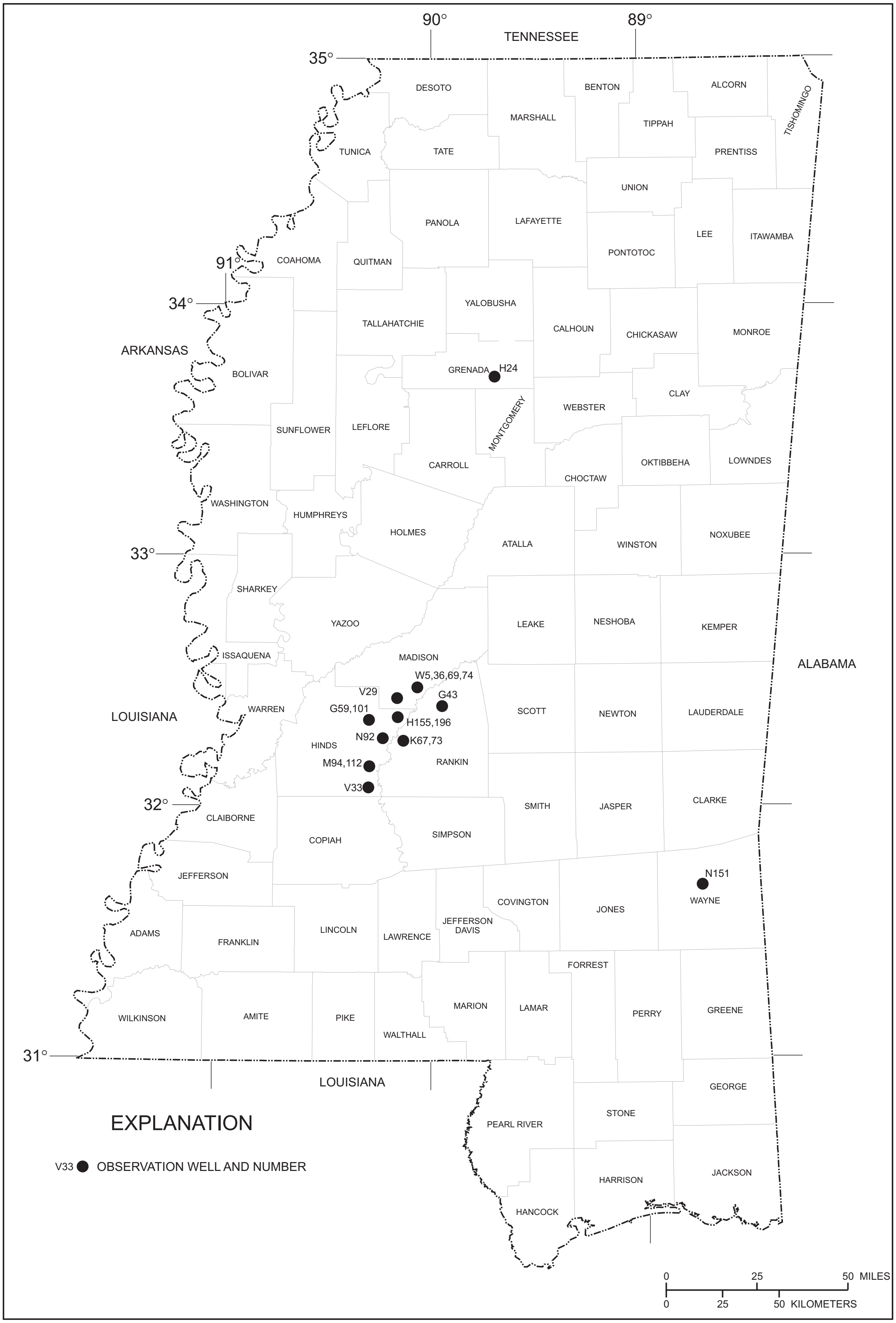


Figure 6.--Location of observation wells.

THIS PAGE IS INTENTIONALLY BLANK

MOBILE RIVER BASIN

02429900 BIG BROWN CREEK NEAR BOONEVILLE, MS

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

DRAINAGE AREA.--26.7 mi^2.

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

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

GAGE.--Water-stage recorder. Datum of gage is 328.66 ft above NGVD of 1929. Prior to June 1973, crest-stage gage at site was at datum 78.46 ft lower and from June 1973 until November 1998 gage was at county road 0.4 mi downstream at datum, 2.10 ft lower.

REMARKS.--Estimated daily discharges: May 30 - Jun. 9, and Aug. 1 - Sept. 25. Records fair except for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,600 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 13	2215	1,640	17.51	Jan. 24	2015	2,250	19.61
Nov. 29	2030	2,990	21.73	Mar. 31	1230	2,450	20.22
Jan. 23	1200	*3,100	*22.02	Sep. 27	0115	2,090	19.11

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	7.1	129	36	67	41	248	35	e21	3.2	e1.3	e0.45
2	1.2	6.8	88	35	59	41	146	44	e17	4.2	e1.5	e0.44
3	1.1	6.6	72	34	59	36	101	401	e12	3.3	e1.4	e0.42
4	1.1	6.5	63	31	55	32	84	468	e8.3	3.2	e1.3	e0.40
5	1.1	6.2	56	31	50	32	75	124	e6.7	4.4	e1.2	e0.39
6	2.0	6.0	50	67	115	31	67	87	e6.4	3.5	e1.1	e0.37
7	1.5	5.9	133	45	104	31	65	67	e6.2	2.8	e1.0	e0.35
8	1.3	5.9	252	35	78	30	90	54	e5.9	2.4	e0.94	e0.34
9	1.3	6.0	124	34	69	43	144	54	e5.0	2.4	e1.0	e0.33
10	1.3	6.0	84	32	68	32	68	150	4.5	2.9	e1.1	e0.32
11	17	6.0	69	31	60	31	59	85	4.7	5.3	e1.2	e0.30
12	40	5.8	88	29	51	266	68	58	6.6	3.7	e1.1	e0.33
13	343	5.6	467	28	42	94	55	54	5.2	4.0	e1.0	e0.35
14	292	5.7	541	26	39	67	50	46	50	3.0	e1.1	e0.33
15	44	5.6	136	23	38	58	45	37	20	6.3	e1.4	e0.32
16	24	5.5	102	22	36	87	40	30	12	4.1	e1.6	e0.30
17	21	5.4	285	23	33	105	36	38	11	3.6	e1.4	e0.37
18	18	5.5	139	45	31	478	33	48	7.6	4.4	e1.2	e0.45
19	15	5.7	93	401	31	148	30	32	5.3	8.1	e1.1	e0.56
20	12	5.9	73	119	313	154	28	25	4.4	11	e1.0	e0.72
21	10	5.6	65	79	100	157	24	21	4.1	3.3	e0.92	e0.93
22	9.5	5.7	60	67	69	97	29	17	4.0	2.5	e0.80	e0.79
23	9.0	6.5	218	2090	62	82	21	16	3.6	2.8	e0.74	e0.80
24	9.1	55	92	1460	54	71	19	14	4.1	2.6	e0.68	e0.86
25	22	30	72	516	50	64	15	12	4.1	2.8	e0.62	e0.99
26	10	16	63	173	65	145	15	28	3.6	2.4	e0.56	532
27	8.3	379	58	123	47	80	18	38	3.6	2.3	e0.52	651
28	7.6	191	53	101	42	68	16	23	4.5	2.1	e0.48	51
29	7.4	1550	46	89	---	61	14	105	4.0	1.8	e0.44	27
30	7.3	738	40	80	---	368	35	e44	4.7	1.4	e0.43	20
31	7.2	---	39	73	---	1240	---	e28	---	1.2	e0.48	---
TOTAL	946.5	3096.5	3850	5978	1887	4270	1738	2283	260.1	111.0	30.61	1293.21
MEAN	30.53	103.2	124.2	192.8	67.39	137.7	57.93	73.65	8.670	3.581	0.987	43.11
MAX	343	1550	541	2090	313	1240	248	468	50	11	1.6	651
MIN	1.1	5.4	39	22	31	30	14	12	3.6	1.2	0.43	0.30
MED	9.0	6.0	84	45	57	68	42	44	5.2	3.2	1.0	0.43
CFSM	1.13	3.81	4.58	7.12	2.49	5.08	2.14	2.72	0.32	0.13	0.04	1.59
IN.	1.30	4.25	5.28	8.21	2.59	5.86	2.39	3.13	0.36	0.15	0.04	1.78

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	9.140	36.10	67.37	87.11	79.44	91.20	78.05	63.91	31.31	10.87	6.108	8.032
MAX	56.0	139	218	298	220	264	267	451	187	73.8	40.2	43.1
(WY)	1976	1978	1992	1974	1990	1980	1983	1991	1989	1989	1992	2002
MIN	0.15	1.00	4.57	5.94	16.1	32.9	12.6	5.78	0.54	0.94	0.18	0.38
(WY)	2001	1982	1982	2000	2000	1988	1986	2000	1988	2000	1988	1988

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1973 - 2002	
ANNUAL TOTAL	17194.25		25743.92			
ANNUAL MEAN	47.11		70.53		47.31	
HIGHEST ANNUAL MEAN					94.6	1991
LOWEST ANNUAL MEAN					14.6	2000
HIGHEST DAILY MEAN	1550	Nov 29	2090	Jan 23	2580	May 26 1991
LOWEST DAILY MEAN	0.53	Aug 28	0.30	Sep 11	0.08	Sep 11 1999
ANNUAL SEVEN-DAY MINIMUM	0.69	Aug 24	0.32	Sep 10	0.09	Sep 7 1999
MAXIMUM PEAK FLOW			3100	Jan 23	3900	Apr 17 1970
MAXIMUM PEAK STAGE			22.02	Jan 23	22.92	Jan 23 1999
ANNUAL RUNOFF (CFSM)	1.74		2.60		1.75	
ANNUAL RUNOFF (INCHES)	23.60		35.34		23.72	
10 PERCENT EXCEEDS	95		131		94	
50 PERCENT EXCEEDS	14		23		18	
90 PERCENT EXCEEDS	1.3		0.97		0.92	

e Estimated

02429980 POLLARD MILL BRANCH AT PADEN, MS

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

DRAINAGE AREA.--2.01 mi^2.

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

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

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

REMARKS.--Estimated daily discharges: Nov. 26-28, Aug. 11-20. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Jan. 23	1330	*427	*5.51	No other peaks greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.3	3.3	4.7	3.3	6.7	4.9	9.8	4.7	3.4	3.4	4.0	2.3
2	3.3	3.3	3.9	3.4	6.1	5.2	8.1	5.3	3.3	3.5	3.6	2.3
3	3.3	3.4	3.3	3.7	6.2	5.1	7.1	15	3.2	3.5	3.4	2.2
4	3.3	3.4	3.0	3.5	5.9	5.3	6.7	13	3.1	3.3	3.3	2.0
5	4.7	3.4	2.9	3.6	5.7	5.3	6.3	7.1	3.0	3.2	3.2	2.0
6	5.5	3.5	3.0	5.6	8.7	5.3	6.1	6.2	3.1	3.2	4.6	2.0
7	4.0	3.4	5.6	4.5	7.2	5.4	6.1	5.4	3.0	3.2	3.4	2.0
8	3.7	3.4	8.5	4.1	6.5	5.7	7.7	5.0	3.0	4.7	2.9	2.0
9	3.7	3.6	4.8	3.9	6.1	7.1	7.3	5.2	3.0	9.9	2.9	2.1
10	3.8	3.5	4.2	3.7	6.2	5.5	6.4	10	2.9	6.2	3.0	2.0
11	8.5	3.6	3.7	3.6	5.7	5.7	6.1	6.3	3.2	6.0	e3.0	1.9
12	12	3.8	4.6	3.6	5.6	10	6.2	5.0	3.2	4.9	e2.9	1.9
13	25	3.4	16	3.7	5.3	6.5	6.1	4.7	3.9	4.8	e2.8	1.9
14	12	3.4	12	3.5	5.3	6.1	6.0	4.3	7.9	5.1	e2.8	2.0
15	6.5	3.4	6.0	3.4	5.3	5.9	5.8	3.9	3.9	5.0	e2.7	2.0
16	3.9	3.4	5.1	3.4	5.3	9.0	5.3	3.7	3.7	4.6	e2.6	2.5
17	3.2	3.4	10	3.5	5.2	7.6	5.2	4.1	3.5	4.4	e2.6	2.5
18	2.9	3.4	5.6	4.4	5.3	14	5.0	4.0	3.3	5.3	e2.7	2.4
19	2.8	3.6	4.7	16	5.5	8.3	4.9	3.6	3.2	5.8	e2.6	2.3
20	2.7	3.4	4.4	6.6	12	10	4.8	3.6	3.1	5.2	e2.5	3.5
21	2.6	3.5	4.1	5.5	6.0	8.5	4.8	3.5	3.0	5.1	2.6	2.5
22	2.6	3.5	4.1	5.8	5.5	7.1	4.8	3.3	2.9	4.8	2.4	2.3
23	2.6	3.9	10	137	5.3	6.9	4.6	3.2	3.0	4.7	2.3	2.2
24	4.0	6.6	5.4	57	5.3	6.8	4.6	3.2	3.0	5.0	2.3	2.2
25	5.7	4.7	4.9	16	5.3	6.6	4.4	3.1	3.0	5.3	2.4	4.2
26	3.3	e3.9	4.5	10	5.8	8.5	4.6	3.3	3.4	5.1	2.3	24
27	3.0	e14	4.3	8.6	5.0	6.3	4.8	3.2	3.7	4.9	2.3	9.9
28	3.4	e4.9	4.1	7.6	4.9	6.1	4.7	3.3	3.6	4.7	2.3	4.1
29	3.4	24	4.0	7.2	---	6.3	4.3	3.7	3.4	4.9	2.3	3.2
30	3.4	8.0	3.4	6.8	---	16	5.5	3.7	3.5	9.2	2.3	2.9
31	3.4	---	3.5	6.6	---	17	---	3.6	---	5.6	2.4	---
TOTAL	155.5	146.0	168.3	359.1	168.9	234.0	174.1	157.2	102.4	154.5	87.4	101.3
MEAN	5.016	4.867	5.429	11.58	6.032	7.548	5.803	5.071	3.413	4.984	2.819	3.377
MAX	25	24	16	137	12	17	9.8	15	7.9	9.9	4.6	24
MIN	2.6	3.3	2.9	3.3	4.9	4.9	4.3	3.1	2.9	3.2	2.3	1.9
MED	3.4	3.5	4.5	4.4	5.7	6.5	5.7	4.0	3.2	4.9	2.7	2.2
CFSM	2.50	2.42	2.70	5.76	3.00	3.76	2.89	2.52	1.70	2.48	1.40	1.68
IN.	2.88	2.70	3.11	6.65	3.13	4.33	3.22	2.91	1.90	2.86	1.62	1.87

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4.432	5.765	6.999	7.205	7.076	8.579	7.542	6.993	4.774	4.187	3.926	4.274
MAX	7.30	14.0	17.7	25.2	16.0	26.4	15.8	27.7	8.49	6.73	6.31	15.4
(WY)	1978	1978	1983	1974	1991	1973	1983	1991	1997	1994	1979	1979
MIN	3.03	2.98	2.95	2.96	3.72	4.26	3.74	2.65	2.30	2.26	2.11	1.93
(WY)	2001	2001	2001	2000	2000	2001	1986	1988	1988	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1973 - 2002	
ANNUAL TOTAL	1562.49		2008.7			
ANNUAL MEAN	4.281		5.503		5.975	
HIGHEST ANNUAL MEAN					9.88	1973
LOWEST ANNUAL MEAN					3.75	2001
HIGHEST DAILY MEAN	33	Feb 16	137	Jan 23	328	May 26 1991
LOWEST DAILY MEAN	0.94	Jul 27	1.9	Sep 11	0.94	Jul 27 2001
ANNUAL SEVEN-DAY MINIMUM	1.2	Jul 27	2.0	Sep 7	1.2	Jul 27 2001
MAXIMUM PEAK FLOW			427	Jan 23	1200	May 26 1991
MAXIMUM PEAK STAGE			5.51	Jan 23	9.02	May 26 1991
ANNUAL RUNOFF (CFSM)	2.13		2.74		2.97	
ANNUAL RUNOFF (INCHES)	28.92		37.18		40.39	
10 PERCENT EXCEEDS	6.4		8.2		8.8	
50 PERCENT EXCEEDS	3.5		4.1		4.4	
90 PERCENT EXCEEDS	1.8		2.6		2.9	

e Estimated

02430085 RED BUD CREEK NEAR MOORES MILL, MS

LOCATION.--34°28'00", long 88°16'59", in SW1/4 SE1/4 sec.18, T.7 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, near left bank on upstream side of bridge on county road, 0.18 mi south of intersection of county road and blacktop road, 2.7 mi east-southeast of Moores Mill, and 5.6 mi southwest of Belmont.

DRAINAGE AREA.--15.7 mi^2.

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

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

GAGE.--Water-stage recorder. Datum of gage is 360.36 ft above NGVD of 1929.

REMARKS.--Estimated daily discharges: Dec. 13-14, 17-20, Jan 23-29 and Apr. 29 - May 2. 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 550 ft^3/s and maximum (*).

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 13	2030	579	10.60	May 3	1530	796	11.10
Jan. 23	----	unknown	unknown	May 4	0445	*907	*11.32
Jan. 24	----	unknown	unknown				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.9	7.1	39	18	50	16	82	e28	10	7.7	6.4	3.7
2	6.7	6.6	23	18	33	18	55	e16	8.9	5.6	5.3	3.7
3	6.4	6.6	18	17	30	17	43	399	8.1	5.1	4.8	3.6
4	6.4	6.5	14	16	28	14	37	417	7.6	4.8	4.5	3.6
5	6.6	6.3	12	16	25	14	32	112	7.3	4.5	4.4	3.6
6	7.8	6.2	10	39	82	14	28	68	6.7	4.8	4.4	3.5
7	7.1	5.9	13	27	60	14	27	51	6.8	6.4	4.3	3.9
8	6.8	5.8	21	20	43	14	46	38	6.4	4.8	4.1	3.5
9	6.4	5.7	17	19	37	31	52	28	6.1	4.4	4.1	3.4
10	6.5	5.7	12	18	35	20	32	105	6.0	4.6	4.1	3.5
11	31	5.7	12	18	29	17	28	67	5.9	5.9	4.1	3.5
12	67	5.2	14	16	26	58	28	41	5.8	4.8	4.0	3.5
13	201	5.2	e300	15	25	31	26	30	5.5	5.3	3.9	3.6
14	132	5.2	e260	15	22	24	24	26	28	4.8	4.0	3.8
15	41	5.2	68	13	22	21	22	21	9.6	5.1	3.9	4.4
16	23	5.3	43	13	21	197	20	19	6.6	4.8	4.3	5.1
17	17	5.7	e80	13	19	120	18	52	6.8	4.6	4.2	6.1
18	14	5.5	e40	22	18	248	17	46	6.0	4.3	4.2	5.1
19	13	5.5	e30	198	18	87	15	24	5.3	4.5	3.9	5.0
20	11	5.6	e28	73	58	111	15	20	4.9	4.6	3.9	8.4
21	10	5.6	25	45	27	107	14	17	4.8	4.3	3.9	9.3
22	9.8	5.5	23	37	22	55	13	16	4.5	5.8	3.8	5.8
23	9.7	5.9	165	e330	20	41	12	15	4.3	6.0	3.8	5.0
24	9.9	12	64	e410	19	33	12	14	4.5	5.3	3.9	4.6
25	17	8.6	44	e220	17	29	11	13	5.1	5.4	4.0	9.9
26	9.6	7.4	35	e115	27	49	11	12	4.6	5.4	3.9	226
27	8.4	57	29	e62	18	29	13	11	5.3	5.0	3.6	147
28	8.0	29	26	e52	16	25	12	11	5.3	4.7	6.6	27
29	7.8	228	23	e46	---	22	e12	10	5.8	4.9	8.3	14
30	7.8	109	20	40	---	145	e75	12	15	9.4	4.2	11
31	7.6	---	19	36	---	191	---	12	---	9.1	3.9	---
TOTAL	723.2	584.5	1527	1997	847	1812	832	1751	217.5	166.7	136.7	544.1
MEAN	23.33	19.48	49.26	64.42	30.25	58.45	27.73	56.48	7.250	5.377	4.410	18.14
MAX	201	228	300	410	82	248	82	417	28	9.4	8.3	226
MIN	6.4	5.2	10	13	16	14	11	10	4.3	4.3	3.6	3.4
MED	9.6	5.8	25	22	26	29	23	24	6.0	4.9	4.1	4.5
CFSM	1.49	1.24	3.14	4.10	1.93	3.72	1.77	3.60	0.46	0.34	0.28	1.16
IN.	1.71	1.38	3.62	4.73	2.01	4.29	1.97	4.15	0.52	0.39	0.32	1.29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	11.66	23.95	41.55	41.22	44.58	49.25	39.48	35.05	19.36	11.31	9.068	8.655
MAX	24.5	64.5	128	96.6	108	119	116	207	86.3	50.2	21.7	34.5
(WY)	1976	1987	1991	1999	1990	1980	1991	1991	1997	1989	1997	1979
MIN	2.77	5.00	9.22	10.2	14.1	20.2	8.58	3.85	3.25	3.15	2.54	2.08
(WY)	2001	1982	2000	1986	2000	1982	1986	1992	1988	1977	1981	1987

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1975 - 2002	
ANNUAL TOTAL	11949.7		11138.7			
ANNUAL MEAN	32.74		30.52		27.81	
HIGHEST ANNUAL MEAN					58.0	1991
LOWEST ANNUAL MEAN					12.6	1981
HIGHEST DAILY MEAN	495	Jan 19	417	May 4	1200	May 26 1991
LOWEST DAILY MEAN	2.7	Aug 3	3.4	Sep 9	1.4	Oct 5 1986
ANNUAL SEVEN-DAY MINIMUM	3.2	Jul 30	3.5	Sep 6	1.6	Sep 30 1986
MAXIMUM PEAK FLOW			907	May 4	2330	May 26 1991
MAXIMUM PEAK STAGE			11.32	May 4	13.13	May 26 1991
ANNUAL RUNOFF (CFSM)	2.09		1.94		1.77	
ANNUAL RUNOFF (INCHES)	28.31		26.39		24.07	
10 PERCENT EXCEEDS	65		63		54	
50 PERCENT EXCEEDS	16		13		14	
90 PERCENT EXCEEDS	5.8		4.3		3.6	

e Estimated

02430615 MUD CREEK NEAR FAIRVIEW, MS

LOCATION.--Lat 34°23'33", long 88°21'18", in NW1/4 NE1/4 sec.16, T.8 S., R.9 E., Chickasaw Meridian, Itawamba County,Hydrologic Unit 03160101, at left bank on downstream side of bridge on county road 3.0 mi northwest of Fairview and 8.8 mi north-northeast of Fulton.

DRAINAGE AREA.--11.1 mi^2.

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

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

GAGE.--Water-stage recorder. Elevation of gage is 313 ft above NGVD of 1929, from topographic map.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 350 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Jan. 24	1930	718	9.47	May 4	0430	*815	*9.61
May 3	1500	772	9.55				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.1	7.4	20	12	30	14	38	26	12	8.6	8.3	4.5
2	4.1	7.4	15	12	21	14	29	15	11	7.3	6.5	4.2
3	4.1	7.4	12	12	19	13	24	341	9.7	7.0	5.7	4.0
4	4.1	7.3	11	11	18	12	21	312	9.0	6.6	5.2	3.8
5	4.5	7.2	11	11	16	12	20	45	8.3	6.3	4.8	3.6
6	6.3	7.1	10	28	45	12	19	32	8.0	7.9	4.5	3.4
7	5.3	7.0	15	19	30	12	18	27	7.9	8.5	4.5	3.8
8	5.2	7.1	19	14	23	12	32	22	7.3	6.6	4.3	3.6
9	5.5	7.2	14	13	20	25	33	20	6.6	6.3	4.3	3.5
10	6.1	7.3	13	12	20	17	22	49	6.5	6.5	4.3	3.4
11	17	7.4	12	16	18	14	20	26	6.6	14	4.4	3.2
12	43	7.2	17	12	17	36	20	19	6.8	9.4	4.3	3.1
13	89	7.2	125	11	16	21	18	18	6.9	11	4.1	3.1
14	53	7.3	108	11	15	16	17	16	26	12	4.1	3.2
15	15	7.4	32	11	15	15	16	13	15	10	4.2	3.7
16	11	7.3	25	10	15	98	15	12	10	7.9	5.1	10
17	8.5	7.3	40	10	14	51	14	29	9.8	6.9	5.3	8.8
18	7.9	7.3	26	16	13	95	13	28	8.7	6.4	5.7	6.0
19	7.6	7.3	20	96	13	35	12	17	7.4	8.2	4.7	5.2
20	7.3	7.4	18	29	37	57	11	14	6.9	8.5	4.5	12
21	6.9	7.4	17	20	19	45	10	13	10	7.1	4.4	18
22	7.2	7.3	16	22	16	27	10	12	7.0	12	4.1	7.8
23	7.4	7.7	86	126	15	24	8.9	11	6.5	11	4.0	6.2
24	7.7	18	28	333	14	22	8.5	11	10	8.7	3.8	5.4
25	9.7	12	22	133	14	21	7.7	11	12	7.8	3.9	15
26	7.9	8.8	19	41	22	38	9.5	11	8.1	8.0	4.0	175
27	7.5	28	18	32	15	23	11	11	8.0	7.2	3.7	88
28	7.3	21	16	28	14	20	9.2	10	8.2	6.5	4.2	21
29	7.3	127	15	26	---	19	8.2	11	7.8	6.7	5.6	12
30	7.3	46	14	24	---	88	48	21	14	6.8	4.5	11
31	7.4	---	13	22	---	91	---	17	---	8.8	4.4	---
TOTAL	392.2	428.7	827	1173	544	999	543.0	1220	282.0	256.5	145.4	455.5
MEAN	12.65	14.29	26.68	37.84	19.43	32.23	18.10	39.35	9.400	8.274	4.690	15.18
MAX	89	127	125	333	45	98	48	341	26	14	8.3	175
MIN	4.1	7.0	10	10	13	12	7.7	10	6.5	6.3	3.7	3.1
MED	7.3	7.3	17	16	16	21	16	17	8.2	7.9	4.4	4.8
CFSM	1.14	1.29	2.40	3.41	1.75	2.90	1.63	3.55	0.85	0.75	0.42	1.37
IN.	1.31	1.44	2.77	3.93	1.82	3.35	1.82	4.09	0.95	0.86	0.49	1.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	9.593	18.17	27.96	25.36	28.30	31.81	26.89	25.17	15.29	9.245	7.847	8.065
MAX	21.3	46.3	95.7	49.2	78.0	71.3	82.8	134	61.0	19.8	20.9	18.3
(WY)	1976	1987	1991	1999	1991	1980	1991	1991	1997	1994	1975	1975
MIN	2.59	4.51	8.41	8.41	12.9	10.3	5.62	6.04	2.85	3.29	1.56	2.32
(WY)	2001	1982	1982	1986	1986	1982	1986	1981	1988	1988	2000	1999

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1975 - 2002	
ANNUAL TOTAL	6571.4		7266.3			
ANNUAL MEAN	18.00		19.91		19.33	
HIGHEST ANNUAL MEAN					45.2	1991
LOWEST ANNUAL MEAN					9.80	1986
HIGHEST DAILY MEAN	472	Apr 3	341	May 3	984	May 3 1993
LOWEST DAILY MEAN	3.4	Jul 18	3.1	Sep 12	0.82	Aug 18 2000
ANNUAL SEVEN-DAY MINIMUM	3.5	Jul 15	3.3	Sep 8	0.84	Aug 18 2000
MAXIMUM PEAK FLOW			815	May 4	1510	May 3 1993
MAXIMUM PEAK STAGE			9.61	May 4	10.49	May 3 1993
ANNUAL RUNOFF (CFSM)	1.62		1.79		1.74	
ANNUAL RUNOFF (INCHES)	22.02		24.35		23.66	
10 PERCENT EXCEEDS	29		32		33	
50 PERCENT EXCEEDS	10		11		12	
90 PERCENT EXCEEDS	4.4		4.5		4.1	

02430680 TWENTYMILE CREEK NEAR GUNTOWN, MS

LOCATION.--Lat 34°27'09", long 88°34'38", in SW1/4 SW1/4 sec.21, T.7 S., R.7 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160101, on downstream side of bridge on county road, and 6.0 mi southeast of Baldwyn, and 6.0 mi east of Guntown.

DRAINAGE AREA.--131 mi^2.

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

GAGE.--Water-stage recorder and sharp-crested weir since November, 1982. Datum of gage is 280.00 ft above NGVD of 1929.

REMARKS.--Estimated discharges: Oct. 13-15, Oct. 30 - Nov. 23, Nov. 30, Dec. 10 - Jan. 5, 7-8, May 3-4, and Sept. 14-30. 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 dischargae of 10,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 14	----	23,100	[a]28.11	Jan. 24	1930	10,900	23.84
Nov. 29	----	23,800	[a]28.23	Mar. 31	0945	11,700	24.62
Jan. 23	1345	*25,000	*28.45	May 3	----	unknown	unknown

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	e9.3	470	e105	168	86	776	330	28	6.1	3.1	0.40
2	1.5	e9.0	258	e98	127	86	365	91	22	25	2.9	0.39
3	1.3	e8.8	189	e95	121	80	214	e3000	17	227	2.4	0.35
4	1.3	e8.3	159	e90	118	66	160	e3800	15	22	2.1	0.35
5	1.4	e8.0	143	e92	100	66	130	587	12	19	1.9	0.30
6	3.1	e7.9	134	223	872	68	114	275	12	15	1.7	0.24
7	5.1	e7.7	690	e150	766	68	105	184	12	7.1	1.9	0.21
8	3.4	e7.3	1690	e110	323	69	353	134	10	5.0	1.5	0.18
9	2.4	e7.0	589	95	195	112	851	117	8.8	20	1.3	0.18
10	2.0	e7.0	e280	96	171	105	212	970	8.1	28	1.5	0.18
11	400	e6.8	e229	95	142	80	147	442	10	159	1.8	0.17
12	480	e6.7	e461	87	114	1650	127	158	26	111	1.7	0.14
13	e9500	e6.5	e3840	78	101	404	112	108	19	60	1.6	0.14
14	e6000	e6.3	e3370	78	91	185	100	92	136	17	2.4	e0.17
15	e153	e6.1	e682	72	89	134	94	74	40	86	2.7	e0.18
16	82	e6.1	e431	68	88	1250	86	65	15	18	3.3	e0.20
17	50	e6.0	e1860	71	81	1500	79	67	12	11	2.7	e0.25
18	36	e5.9	e656	157	74	2640	74	116	11	11	2.1	e0.35
19	28	e5.7	e380	3520	74	629	66	61	11	15	1.8	e0.85
20	23	e5.7	e245	770	2780	1060	62	45	9.2	30	1.7	e0.97
21	17	e5.6	e180	329	403	988	57	42	8.0	14	1.5	e1.1
22	13	e5.6	e170	245	189	280	55	40	6.8	7.7	1.0	e0.87
23	12	e5.5	e2100	13900	139	191	50	37	6.0	7.3	0.86	e0.82
24	11	102	e560	6750	117	159	47	34	6.5	25	0.76	e0.90
25	24	49	e250	1950	105	135	43	32	6.3	13	0.68	e1.1
26	13	13	e165	558	145	709	40	30	6.8	8.4	0.61	e1100
27	7.8	3040	e145	336	100	253	47	36	7.2	6.5	0.53	e1000
28	6.6	1460	e135	243	88	161	50	36	8.3	5.3	0.48	e67
29	6.1	12000	e130	211	---	133	46	41	7.9	4.5	0.42	e36
30	e9.6	e8500	e120	190	---	1700	574	52	7.0	3.8	0.41	e23
31	e9.5	---	e110	173	---	5090	---	58	---	3.3	0.41	---
TOTAL	16904.6	25322.8	20821	31035	7881	20137	5236	11154	504.9	991.0	49.76	2236.99
MEAN	545.3	844.1	671.6	1001	281.5	649.6	174.5	359.8	16.83	31.97	1.605	74.57
MAX	9500	12000	3840	13900	2780	5090	851	3800	136	227	3.3	1100
MIN	1.3	5.5	110	68	74	66	40	30	6.0	3.3	0.41	0.14
MED	11	7.2	258	150	120	161	97	74	10	15	1.7	0.35
CFSM	4.16	6.44	5.13	7.64	2.15	4.96	1.33	2.75	0.13	0.24	0.01	0.57
IN.	4.80	7.19	5.91	8.81	2.24	5.72	1.49	3.17	0.14	0.28	0.01	0.64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	55.60	222.5	399.7	386.7	437.9	366.8	317.2	288.1	151.9	38.59	38.37	23.73
MAX	545	844	1157	1001	1195	652	912	1946	773	282	329	105
(WY)	2002	2002	1992	2002	1990	1994	1991	1991	1997	1989	1992	2001
MIN	0.93	5.18	30.3	19.6	90.5	114	16.8	11.0	1.09	1.98	0.81	0.62
(WY)	2001	2000	2000	1986	2000	1988	1986	1988	1988	1990	2000	1999

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1982 - 2002	
ANNUAL TOTAL	123931.2		142274.05			
ANNUAL MEAN	339.5		389.8		227.3	
HIGHEST ANNUAL MEAN					435	1991
LOWEST ANNUAL MEAN					66.6	1988
HIGHEST DAILY MEAN	12000	Nov 29	13900	Jan 23	15500	May 26 1991
LOWEST DAILY MEAN	1.3	Oct 3	0.14	Sep 12	0.00	Aug 19 1988
ANNUAL SEVEN-DAY MINIMUM	1.8	Sep 29	0.17	Sep 8	0.05	Aug 14 1988
MAXIMUM PEAK FLOW			25000	Jan 23	41500	May 27 1991
MAXIMUM PEAK STAGE			28.45	Jan 23	30.88	May 27 1991
INSTANTANEOUS LOW FLOW			0.14	Sep 12,13b	0.00	Aug 19 1988
ANNUAL RUNOFF (CFSM)	2.59		2.98		1.73	
ANNUAL RUNOFF (INCHES)	35.19		40.40		23.57	
10 PERCENT EXCEEDS	669		685		409	
50 PERCENT EXCEEDS	43		57		40	
90 PERCENT EXCEEDS	4.2		1.3		1.9	

e Estimated
a From flood mark.
b May have been lower during periods of estimation.

02430880 CUMMINGS CREEK NEAR FULTON, MS

LOCATION.--Lat 34°18'16", long 88°22'16", in SE1/4 NE1/4 sec.17, T.9 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, in left bank, 20 ft downstream from bridge, on county road, 3.2 mi northeast of Fulton, and 4.2 mi upstream from mouth.

DRAINAGE AREA.--19.1 mi^2.

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

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

GAGE.--Water-stage recorder. Elevation of gage is 295 ft. above NGVD of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 13, Oct. 20-23, Oct. 28 - Nov. 18, and Nov. 26, 29. Records fair except for estimated daily discharges, which are poor. Satellite telemeter U.S. Army Corps of Engineers radio telemeter at station.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 13	1845	557	10.03	May 4	0345	615	10.38
Jan. 24	1830	576	10.17	Sep. 26	1100	470	9.29
May 3	1500	*796	*10.99				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	e9.4	33	19	53	23	71	46	19	18	12	7.7
2	6.9	e9.6	27	19	36	24	57	31	17	13	10	7.3
3	6.9	e9.8	23	18	34	24	48	485	16	12	9.5	6.9
4	6.9	e10	21	18	33	23	42	318	15	10	9.2	6.7
5	7.1	e9.8	20	18	33	23	38	75	14	9.6	8.6	6.5
6	11	e9.6	19	36	72	23	35	52	15	9.0	8.1	5.9
7	8.4	e9.4	23	26	52	22	34	38	15	8.8	8.1	5.7
8	7.8	e9.2	31	22	41	22	50	30	14	8.3	7.9	5.8
9	7.4	e9.0	25	22	37	33	57	27	13	8.2	7.9	5.9
10	7.6	e9.2	23	22	35	27	41	55	13	8.6	8.0	5.8
11	16	e9.4	21	22	32	24	37	35	14	20	8.3	5.4
12	40	e9.5	27	20	32	49	39	27	13	14	7.9	5.3
13	e140	e9.6	210	20	29	30	34	28	15	14	7.9	5.3
14	61	e9.7	147	20	27	26	33	27	24	15	8.2	5.3
15	21	e9.8	50	19	27	24	32	25	16	15	8.2	7.1
16	15	e9.9	38	18	26	62	30	24	14	12	10	13
17	13	e10	69	18	26	58	29	35	13	11	9.7	11
18	12	e10	39	24	26	99	28	40	12	10	11	9.4
19	11	11	29	89	26	48	28	27	11	13	11	8.5
20	e10	12	24	39	52	70	27	24	11	12	16	22
21	e9.8	13	23	28	29	66	26	24	11	11	16	20
22	e9.6	14	22	27	26	41	29	22	10	12	11	12
23	e9.4	19	101	138	25	35	26	22	10	16	9.9	9.0
24	11	30	40	334	24	32	26	21	12	17	9.4	7.7
25	18	26	31	151	24	29	25	20	14	13	12	21
26	12	e18	28	70	29	63	28	20	12	12	10	242
27	11	48	25	56	25	38	31	20	13	11	8.3	106
28	e10	36	24	47	24	33	28	19	14	11	8.5	28
29	e9.8	e183	22	43	---	31	26	21	17	10	11	18
30	e9.6	66	20	40	---	120	56	25	33	11	8.7	14
31	e9.5	---	19	35	---	134	---	22	---	13	8.0	---
TOTAL	535.7	648.9	1254	1478	935	1356	1091	1685	440	378.5	300.3	634.2
MEAN	17.28	21.63	40.45	47.68	33.39	43.74	36.37	54.35	14.67	12.21	9.687	21.14
MAX	140	183	210	334	72	134	71	485	33	20	16	242
MIN	6.9	9.0	19	18	24	22	25	19	10	8.2	7.9	5.3
MED	10	9.9	25	24	29	32	32	27	14	12	9.2	7.7
CFSM	0.90	1.13	2.12	2.50	1.75	2.29	1.90	2.85	0.77	0.64	0.51	1.11
IN.	1.04	1.26	2.44	2.88	1.82	2.64	2.12	3.28	0.86	0.74	0.58	1.24

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1975 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	17.28	29.71	41.94	40.62	46.03	50.10	45.21	40.32	24.54	16.33	14.14	15.47
MAX	42.6	71.4	135	80.6	106	116	108	173	75.0	38.1	38.1	37.0
(WY)	1976	1987	1991	1979	1991	1980	1983	1991	1997	1989	1975	1975
MIN	4.92	13.4	15.2	16.5	22.1	23.5	13.3	10.3	5.34	5.55	4.03	4.05
(WY)	2001	1982	2000	1986	2000	1982	1986	1988	1988	1988	1988	1986

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1975 - 2002	
ANNUAL TOTAL	9466.8		10736.6			
ANNUAL MEAN	25.94		29.42		31.59	
HIGHEST ANNUAL MEAN					65.0	1991
LOWEST ANNUAL MEAN					17.2	1986
HIGHEST DAILY MEAN	660	Apr 3	485	May 3	1200	Dec 3 1983
LOWEST DAILY MEAN	4.8	Jul 26	5.3	Sep 12	2.1	Aug 28 1988
ANNUAL SEVEN-DAY MINIMUM	5.1	Jul 22	5.5	Sep 8	2.7	Aug 17 2000
MAXIMUM PEAK FLOW			796	May 3	2350	May 27 1991
MAXIMUM PEAK STAGE			10.99	May 3	12.71	May 27 1991
ANNUAL RUNOFF (CFSM)	1.36		1.54		1.65	
ANNUAL RUNOFF (INCHES)	18.44		20.91		22.47	
10 PERCENT EXCEEDS	46		52		57	
50 PERCENT EXCEEDS	16		20		21	
90 PERCENT EXCEEDS	7.0		8.3		8.5	

e Estimated

02431000 TOMBIGBEE RIVER NEAR FULTON, MS

LOCATION.--Lat 34°15'54", long 88°26'43", in SW1/4 SE1/4 sec.27, T.9 S., R.8 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on left bank at downstream side of bridge on old U.S. Highway 78, 1,000 ft downstream from Twentymile-Fulton Canal, 2.2 mi west of Fulton, 6.2 mi upstream from Mantachie Creek Canal, 13.5 mi downstream from Twentymile Creek Canal, and at mile 421.8.

DRAINAGE AREA.--612 mi^2, prior to construction of Tennessee-Tombigbee Waterway.

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

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

GAGE.--Water-stage recorder. Datum of gage is 242.93 ft above NGVD of 1929. Prior to Oct. 27, 1934, nonrecording gage at bridge 200 ft upstream, and Oct. 27, 1934 to Aug. 22, 1939, nonrecording gage at present site, all at present datum.

REMARKS.--Estimated daily discharges: Jul. 3-7. Records good except for estimated discharges, which are poor. Some regulation by Tennessee-Tombigbee Waterway since 1985. Statistics shown below are for water years 1985 to the current year, except for instantaneous extremes,which are shown for the entire period of record. Telemeter, satellite telemeter, and U.S. Army Corps of Engineers radio telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 15	0000	8,660	18.15	Mar. 31	2200	11,300	18.44
Nov. 30	1700	17,600	19.61	May 4	1700	11,800	18.75
Dec. 14	1800	9,660	18.36	Sep. 27	2300	8,440	18.10
Jan. 25	0400	*31,400	*21.64				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87	201	11500	493	877	502	9360	941	296	158	143	150
2	83	191	6180	466	751	479	6350	675	267	139	140	146
3	84	190	3020	448	656	471	3400	2740	248	e185	131	145
4	81	191	1800	427	615	444	2030	10000	220	e170	126	149
5	82	177	1150	407	563	412	1340	8320	185	e145	113	146
6	90	177	810	495	724	407	940	4530	162	e160	110	142
7	96	188	754	745	1480	398	733	2420	145	e155	117	140
8	101	188	1310	567	1440	388	644	1520	144	133	141	144
9	114	183	2060	510	1180	401	1160	930	141	130	144	145
10	140	180	1840	498	931	512	1230	856	144	148	147	140
11	124	171	1480	485	777	469	963	1550	136	237	149	142
12	894	179	1080	462	658	941	794	1370	148	290	150	142
13	862	180	2030	439	582	1810	680	1030	168	253	145	138
14	4890	173	7940	413	533	1410	612	722	159	187	127	138
15	7260	167	8170	396	501	1070	566	550	310	172	137	147
16	4500	166	4770	368	480	1440	539	444	229	178	157	145
17	2450	169	2940	351	458	3060	500	389	175	136	131	151
18	1320	166	3830	375	436	5110	467	413	157	129	143	157
19	725	164	2870	1460	410	5940	443	393	147	149	156	165
20	491	159	2040	4710	1500	3860	419	331	137	206	154	178
21	396	154	1410	3680	2850	4180	391	288	129	189	156	213
22	340	157	980	2310	2100	3160	365	255	124	146	162	208
23	281	163	1670	3440	1460	2170	342	233	122	131	149	121
24	241	191	2690	24000	998	1550	319	218	118	126	130	117
25	234	429	2250	27500	754	1100	302	204	128	168	135	167
26	279	339	1700	11000	658	1050	285	196	153	167	143	655
27	238	840	1180	5000	621	1260	281	196	134	154	154	5070
28	207	2660	858	2530	543	994	289	229	154	145	150	7450
29	195	3840	707	1780	---	869	278	235	146	145	151	4800
30	192	14600	596	1290	---	1130	299	261	131	140	151	2420
31	203	---	532	1020	---	6320	---	288	---	140	146	---
TOTAL	27280	26933	82147	98065	25536	53307	36321	42727	5057	5111	4388	24171
MEAN	880.0	897.8	2650	3163	912.0	1720	1211	1378	168.6	164.9	141.5	805.7
MAX	7260	14600	11500	27500	2850	6320	9360	10000	310	290	162	7450
MIN	81	154	532	351	410	388	278	196	118	126	110	117
CFSM	1.44	1.47	4.33	5.17	1.49	2.81	1.98	2.25	0.28	0.27	0.23	1.32
IN.	1.66	1.64	4.99	5.96	1.55	3.24	2.21	2.60	0.31	0.31	0.27	1.47

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	244.8	546.1	1369	1445	1666	1560	1073	1022	708.6	277.8	240.6	208.8
MAX	880	2056	4885	3280	4652	2771	3244	7724	3164	1232	931	806
(WY)	2002	1987	1992	1999	1990	1995	1991	1991	1997	1989	1992	2002
MIN	105	143	190	152	343	540	165	148	92.6	113	82.8	82.0
(WY)	1988	2000	2000	1986	2000	1985	1986	1988	1988	1986	1987	1986

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1985 - 2002	
ANNUAL TOTAL	348997		431043			
ANNUAL MEAN	956.2		1181		859.8	
HIGHEST ANNUAL MEAN					1837	1991
LOWEST ANNUAL MEAN					353	1988
HIGHEST DAILY MEAN	14600	Nov 30	27500	Jan 25	55100	May 27 1991
LOWEST DAILY MEAN	81	Oct 4	81	Oct 4	33	Oct 5 1984
ANNUAL SEVEN-DAY MINIMUM	85	Sep 30	86	Oct 1	36	Oct 1 1984
MAXIMUM PEAK FLOW			31400	Jan 25	82200	Mar 22 1955
MAXIMUM PEAK STAGE			21.64	Jan 25	27.72	May 27 1991
ANNUAL RUNOFF (CFSM)	1.56		1.93		1.40	
ANNUAL RUNOFF (INCHES)	21.21		26.20		19.09	
10 PERCENT EXCEEDS	2430		2900		1840	
50 PERCENT EXCEEDS	307		342		315	
90 PERCENT EXCEEDS	123		137		116	

e Estimated

02431000 TOMBIGBEE RIVER NEAR FULTON, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.90	7.87	18.68	10.09	12.45	10.15	18.07	12.67	8.88	7.54	7.26	7.33
2	6.87	7.79	17.58	9.89	11.77	9.99	17.40	11.29	8.64	7.38	7.24	7.29
3	6.88	7.79	16.50	9.77	11.20	9.93	16.48	14.89	8.48	---	7.16	7.28
4	6.85	7.80	15.30	9.61	10.93	9.73	15.45	18.41	8.24	---	7.12	7.31
5	6.86	7.68	13.59	9.46	10.59	9.50	14.04	18.07	7.96	---	7.01	7.29
6	6.93	7.68	12.10	10.09	11.51	9.46	12.61	17.12	7.75	---	6.97	7.26
7	6.99	7.77	11.74	11.73	14.63	9.39	11.60	16.10	7.61	---	7.04	7.24
8	7.03	7.77	14.08	10.61	14.53	9.32	11.11	14.67	7.59	7.31	7.25	7.27
9	7.14	7.73	15.75	10.21	13.70	9.42	13.51	12.67	7.56	7.26	7.28	7.28
10	7.36	7.71	15.41	10.13	12.70	10.23	13.89	12.26	7.56	7.41	7.30	7.24
11	7.23	7.63	14.62	10.03	11.92	9.92	12.85	14.82	7.49	8.13	7.31	7.25
12	12.20	7.69	13.34	9.87	11.20	12.11	12.01	14.33	7.58	8.54	7.32	7.26
13	12.21	7.70	15.23	9.70	10.72	15.35	11.34	13.12	7.74	8.26	7.28	7.22
14	16.93	7.65	17.97	9.51	10.38	14.45	10.92	11.59	7.66	7.72	7.12	7.22
15	17.84	7.60	18.04	9.38	10.15	13.28	10.61	10.57	8.84	7.59	7.21	7.29
16	17.13	7.58	17.20	9.17	9.99	14.25	10.42	9.92	8.21	7.63	7.38	7.28
17	16.08	7.61	16.53	9.05	9.83	16.52	10.14	9.57	7.76	7.28	7.16	7.33
18	14.12	7.58	16.91	9.23	9.68	17.30	9.90	9.72	7.60	7.21	7.26	7.38
19	11.59	7.57	16.47	13.36	9.48	17.54	9.73	9.60	7.51	7.38	7.37	7.45
20	10.07	7.53	15.71	17.21	13.33	16.92	9.55	9.20	7.42	7.84	7.36	7.55
21	9.38	7.49	14.42	16.84	16.45	17.03	9.35	8.90	7.34	7.70	7.37	7.84
22	8.96	7.51	12.91	16.01	15.79	16.62	9.15	8.65	7.30	7.34	7.43	7.80
23	8.51	7.56	14.71	16.47	14.55	15.87	8.98	8.46	7.27	7.21	7.32	7.07
24	8.20	7.79	16.38	20.50	12.98	14.78	8.80	8.34	7.24	7.16	7.15	7.05
25	8.14	9.61	15.97	21.02	11.78	13.42	8.67	8.21	7.31	7.51	7.19	7.50
26	8.49	8.95	15.13	18.56	11.20	13.20	8.54	8.13	7.53	7.50	7.26	10.57
27	8.17	11.22	13.68	17.26	10.97	13.97	8.51	8.13	7.36	7.39	7.35	17.01
28	7.92	16.35	12.35	16.21	10.45	12.98	8.57	8.38	7.53	7.30	7.32	17.89
29	7.82	16.81	11.51	15.29	---	12.41	8.48	8.43	7.45	7.30	7.33	17.21
30	7.80	19.17	10.82	14.07	---	13.23	8.64	8.62	7.32	7.25	7.33	16.07
31	7.89	---	10.37	13.10	---	17.32	---	8.82	---	7.24	7.29	---
MEAN	9.56	8.87	14.87	12.69	11.96	13.08	11.31	11.41	7.72	---	7.25	8.73
MAX	17.84	19.17	18.68	21.02	16.45	17.54	18.07	18.41	8.88	---	7.43	17.89
MIN	6.85	7.49	10.37	9.05	9.48	9.32	8.48	8.13	7.24	---	6.97	7.05

02432500 BULL MOUNTAIN CREEK AT TREMONT, MS

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

DRAINAGE AREA.--136 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage is 317.39 ft above NGVD of 1929 (levels by U. S. Army Corps of Engineers). Prior to July 22, 1949, staff gage at same site and datum.

REMARKS.--Estimated daily discharges: Oct. 16-24 and Sept. 3-4. Records good except for estimated daily discharges, which are poor. Discharges over 200 ft^3/s not determined. Satellite telemeter at station.

AVERAGE DISCHARGE.--21 years (water years 1944-64), 212 ft^3/s, 21.17 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 14.06 ft, Apr. 6, 1983 (discharge not determined), minimum discharge, 3.6 ft^3/s, Aug. 19, 1988, gage height, 1.84 ft.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge not determined, maximum gage height 9.00 ft, May 4, minimum discharge, 9.9 ft^3/s, Aug. 14, 15, and Sept. 14, 15.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	34	---	128	---	101	---	---	68	142	53	15
2	19	33	---	121	---	100	---	148	59	71	47	14
3	19	33	145	116	---	101	---	---	54	55	27	e14
4	19	31	111	108	---	91	---	---	51	48	20	e15
5	19	30	93	102	---	86	---	---	50	41	16	14
6	19	29	81	132	---	85	---	---	55	34	14	14
7	20	29	76	182	---	84	---	---	50	30	13	12
8	22	28	77	149	---	84	---	---	44	26	13	15
9	22	27	95	129	---	89	---	---	40	22	12	13
10	22	27	78	122	---	117	---	---	38	20	12	12
11	23	26	93	117	---	92	186	---	37	23	12	12
12	29	26	85	112	195	157	175	---	36	21	12	12
13	89	25	---	106	180	---	172	---	35	27	12	11
14	---	25	---	101	161	165	158	---	63	46	10	10
15	---	25	---	98	150	140	147	182	117	40	10	10
16	e150	25	---	92	143	---	136	152	56	41	13	12
17	e105	24	---	89	135	---	129	136	45	27	25	16
18	e80	23	---	95	126	---	121	180	42	22	39	19
19	e65	23	---	---	120	---	114	158	36	25	29	20
20	e57	23	---	---	155	---	109	125	32	144	22	19
21	e45	24	---	---	158	---	104	111	31	64	50	19
22	e42	23	187	189	130	---	105	100	26	47	28	33
23	e41	22	---	---	119	---	107	91	24	37	20	34
24	e40	26	---	---	113	---	94	85	24	36	18	23
25	42	57	---	---	109	---	87	81	25	31	35	22
26	52	50	---	---	124	---	81	75	26	36	46	---
27	41	71	---	---	121	---	93	71	26	31	28	---
28	36	---	197	---	106	---	91	74	35	25	20	---
29	34	---	174	---	---	---	84	83	40	21	21	159
30	34	---	152	---	---	---	118	72	---	20	18	103
31	34	---	137	---	---	---	---	78	---	24	16	---
TOTAL	---	---	---	---	---	---	---	---	---	1277	711	---
MEAN	---	---	---	---	---	---	---	---	---	41.19	22.94	---
MAX	---	---	---	---	---	---	---	---	---	144	53	---
MIN	---	---	---	---	---	---	---	---	---	20	10	---
MED	---	---	---	---	---	---	---	---	---	31	20	---
CFSM	---	---	---	---	---	---	---	---	---	0.30	0.17	---
IN.	---	---	---	---	---	---	---	---	---	0.35	0.19	---

e Estimated

02433500 TOMBIGBEE RIVER AT BIGBEE, MS

LOCATION.--Lat 34°00'41", long 88°30'49", in SW1/4 NE1/4 sec.25, T.12 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, near right bank on downstream side of bridge on State Highway 6, 0.2 mi upstream from St. Louis-San Francisco Railway bridge, 0.5 mi southeast of Bigbee, 2 mi northwest of Amory, 3.7 mi upstream from Town Creek, and at mile 383.1.

DRAINAGE AREA.--1,226 mi^2, prior to construction of Tennessee-Tombigbee Waterway.

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

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

GAGE.--Water-stage recorder. Datum of gage is 190.00 ft above NGVD of 1929 (levels by U. S. Army Corps of Engineers) Prior to Sept. 9, 1949, nonrecording gage at same site and datum. Water-stage recorder for Tombigbee River near Amory (Station 02437000), 4.0 mi downstream, used as an auxiliary gage for this station.

REMARKS.--Estimated daily discharges: Jan. 25-26 and Apr. 15-26. Records good except for periods of estimated daily discharges, which are poor. Some regulation by Tennessee-Tombigbee Waterway since 1985. Statistics shown below are for water years 1985 to the current year, except for instantaneous extremes, which are shown for the entire period of record. Satellite telemeter and U.S. Army Corps of Engineers radio telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of 1973 reached a stage of 27.64 ft and a discharge of 112,000 ft^3/s and was the highest since at least 1890. The flood of Mar. 23,1955, reached a stage of 26.2 ft, from floodmark, discharge, 73,000 ft^3/s. Flood of December 1926 reached a stage of 24.2 ft from information by U. S. Army Corps of Engineers.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 2	0545	19,500	17.02	Mar. 21	0815	14,800	16.02
Dec. 14	0600	16,600	17.66	Apr. 2	1015	16,600	16.20
Dec. 16	0345	18,800	16.83	May 5	0445	37,500	21.51
Jan. 26	----	*unknown	*unknown	Sep. 27	0700	13,000	16.22

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	254	217	14700	804	3200	1180	12000	3090	641	407	342	266
2	251	218	18600	1070	2920	1150	15900	2470	529	285	297	265
3	247	545	12600	720	2460	1160	13300	10100	496	731	295	262
4	247	233	6550	660	1940	1140	7820	27400	466	330	284	258
5	246	204	3920	1440	1790	1130	5020	35800	431	364	273	259
6	394	197	2610	1140	2490	1130	3260	24800	659	285	263	261
7	247	191	1550	1140	4100	1130	2430	14100	385	262	256	258
8	240	329	1760	1370	3380	1130	2380	8160	360	263	252	253
9	244	367	1990	848	3080	1370	3190	4350	348	260	257	251
10	405	197	2480	960	2990	1520	3070	4190	346	260	259	262
11	286	193	2450	1160	2330	1170	2360	3330	335	615	264	265
12	1170	187	2150	679	1900	2230	2490	3550	337	378	272	260
13	2360	185	4870	633	1940	2300	1770	3000	334	437	270	254
14	5420	187	14200	762	1390	2580	1650	1870	552	360	266	246
15	5410	184	14600	846	1290	2520	e1660	1930	423	342	254	244
16	5750	180	17300	551	1400	4400	e1500	1190	494	292	258	252
17	6990	180	12500	770	1140	4930	e1330	1390	440	293	283	274
18	5030	177	8860	550	1120	7630	e1190	1220	351	261	269	275
19	3030	178	6200	2040	1290	7360	e1060	986	329	252	263	268
20	1390	179	5480	3440	1580	9990	e961	887	315	265	318	269
21	686	181	4110	4010	2000	13400	e990	759	304	312	564	1160
22	693	217	3020	4910	3060	8570	e1480	547	291	298	287	386
23	396	304	5420	8820	3170	7030	e1120	497	286	272	280	320
24	320	244	4980	13700	2580	5870	e799	462	278	260	279	256
25	652	265	4690	e43200	1800	4000	e640	496	274	259	441	392
26	270	441	4440	e50800	1710	3280	e587	749	274	275	329	5510
27	279	1280	3660	30000	1610	3650	618	804	340	284	285	10000
28	252	1650	2370	14100	1480	3020	655	414	303	272	277	6860
29	228	5790	2240	8100	---	2890	836	840	298	263	278	7890
30	231	9140	1200	5080	---	5420	1250	538	291	267	277	8320
31	209	---	1120	4120	---	12000	---	454	---	379	272	---
TOTAL	43827	24040	192620	208423	61140	126280	93316	160373	11510	10083	9064	46296
MEAN	1414	801.3	6214	6723	2184	4074	3111	5173	383.7	325.3	292.4	1543
MAX	6990	9140	18600	50800	4100	13400	15900	35800	659	731	564	10000
MIN	209	177	1120	550	1120	1130	587	414	274	252	252	244
MED	320	210	4440	1160	1940	2890	1580	1390	343	285	277	265
CFSM	1.15	0.65	5.07	5.48	1.78	3.32	2.54	4.22	0.31	0.27	0.24	1.26
IN.	1.33	0.73	5.84	6.32	1.86	3.83	2.83	4.87	0.35	0.31	0.28	1.40

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	541.7	1009	2912	3070	3495	3471	2638	2470	1545	624.1	460.1	545.2
MAX	1414	3666	9297	7248	9187	6211	7958	17810	8068	1900	897	1770
(WY)	2002	1987	1991	1999	1991	1995	1991	1991	1997	1989	1993	1993
MIN	247	311	434	343	787	925	382	331	242	283	219	209
(WY)	1988	2000	2000	1986	2000	1988	1986	1988	1988	1988	1987	1986

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1985 - 2002	
ANNUAL TOTAL	856355		986972			
ANNUAL MEAN	2346		2704		1891	
HIGHEST ANNUAL MEAN					4530	1991
LOWEST ANNUAL MEAN					613	1988
HIGHEST DAILY MEAN	27000	Apr 5	50800	Jan 26	89500	May 28 1991
LOWEST DAILY MEAN	177	Nov 18	177	Nov 18	54	Oct 7 1984
ANNUAL SEVEN-DAY MINIMUM	180	Nov 15	180	Nov 15	83	Oct 1 1984
MAXIMUM PEAK FLOW			unknown	Jan 26	101000	May 28 1991
MAXIMUM PEAK STAGE			unknown	Jan 26	27.49	May 28 1991
INSTANTANEOUS LOW FLOW			175	Nov 21	102	Oct 9 1985
ANNUAL RUNOFF (CFSM)	1.91		2.21		1.54	
ANNUAL RUNOFF (INCHES)	25.98		29.95		20.96	
10 PERCENT EXCEEDS	5740		7010		4190	
50 PERCENT EXCEEDS	718		759		700	
90 PERCENT EXCEEDS	259		252		263	

e Estimated

02433500 TOMBIGBEE RIVER AT BIGBEE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.46	3.68	15.77	5.03	8.38	5.55	14.94	9.06	4.96	4.43	4.17	3.94
2	3.46	3.69	16.77	5.40	8.04	5.51	15.94	7.44	4.75	4.12	4.04	3.94
3	3.45	4.31	14.68	4.88	7.43	5.52	14.98	12.85	4.68	4.94	4.04	3.93
4	3.45	3.73	11.52	4.78	6.74	5.50	12.41	20.28	4.62	4.23	4.00	3.92
5	3.45	3.63	9.17	5.94	6.51	5.49	10.29	21.05	4.53	4.33	3.97	3.92
6	3.84	3.60	7.64	5.50	7.84	5.49	8.42	18.29	4.93	4.10	3.93	3.93
7	3.46	3.58	6.11	5.50	9.53	5.48	7.40	15.28	4.42	4.02	3.91	3.92
8	3.45	3.98	6.40	5.84	8.59	5.49	7.30	12.67	4.35	4.02	3.90	3.90
9	3.46	4.08	6.98	5.09	8.24	5.84	8.64	9.75	4.32	4.01	3.91	3.89
10	3.88	3.60	7.47	5.24	8.12	6.04	8.22	9.81	4.32	4.00	3.92	3.93
11	3.61	3.59	7.42	5.54	7.25	5.54	7.29	8.88	4.28	4.80	3.94	3.94
12	5.20	3.56	7.01	4.82	6.65	7.19	7.48	8.95	4.29	4.32	3.96	3.92
13	7.57	3.55	11.72	4.74	6.69	7.37	6.43	8.32	4.28	4.48	3.96	3.90
14	13.21	3.56	18.35	4.92	5.85	7.60	6.25	6.83	4.75	4.29	3.94	3.87
15	11.54	3.55	17.20	5.04	5.71	7.51	---	6.89	4.51	4.23	3.90	3.87
16	10.93	3.53	17.40	4.58	5.85	10.28	---	5.79	4.68	4.09	3.92	3.90
17	11.90	3.53	15.84	4.95	5.50	10.60	---	6.05	4.55	4.08	4.00	3.97
18	10.29	3.52	13.11	4.58	5.47	12.75	---	5.86	4.33	3.98	3.95	3.97
19	8.14	3.52	11.33	7.43	5.70	12.17	---	5.50	4.27	3.94	3.93	3.95
20	5.87	3.53	10.73	9.12	6.86	13.65	---	5.35	4.23	3.98	4.07	3.95
21	4.82	3.54	9.39	9.26	7.02	15.33	---	5.14	4.19	4.13	4.56	5.58
22	4.80	3.68	8.13	10.19	8.20	12.85	---	4.79	4.16	4.08	4.01	4.29
23	4.23	3.93	11.35	13.80	8.34	11.95	---	4.68	4.14	3.99	3.99	4.11
24	4.02	3.78	10.47	16.08	7.59	11.01	---	4.61	4.11	3.95	3.99	3.91
25	4.63	3.85	9.98	---	6.49	9.27	---	4.66	4.10	3.94	4.41	4.13
26	3.87	4.33	9.73	---	6.34	8.51	---	5.09	4.10	3.99	4.14	10.83
27	3.90	5.72	8.88	19.37	6.18	8.88	4.71	5.15	4.30	4.02	4.00	15.36
28	3.81	6.34	7.31	15.29	5.98	8.17	4.77	4.49	4.19	3.97	3.98	12.68
29	3.72	12.31	7.12	12.56	---	7.99	5.05	5.26	4.16	3.94	3.98	12.47
30	3.73	15.44	5.58	10.35	---	10.53	6.01	4.74	4.15	3.95	3.98	12.75
31	3.65	---	5.47	9.39	---	15.70	---	4.59	---	4.27	3.96	---
MEAN	5.45	4.54	10.52	---	7.04	8.73	---	8.33	4.39	4.15	4.01	5.49
MAX	13.21	15.44	18.35	---	9.53	15.70	---	21.05	4.96	4.94	4.56	15.36

02435020 TOWN CREEK AT EASON BOULEVARD AT TUPELO, MS

LOCATION.--Lat 34°14'06", long 88°14'00", in NE1/4 NW1/4 sec.8, T.10 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, on left bank at downstream side of bridge on Eason Boulevard in Tupelo, 400 ft upstream from Kings Creek, 0.2 mi downstream from Mud Creek, 0.4 mi downstream from St. Louis and San Francisco Railroad, 2.0 mi upstream from Tulip Creek, and 22.8 mi upstream from mouth.

DRAINAGE AREA.--233 mi^2, 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 NGVD of 1929.

REMARKS.--Estimated daily discharges: Water year 1999: Nov. 19-28, Dec. 12-15, and Dec. 22 - Jan. 7, Feb. 2-26, May 20-27, and Jun. 24-25; Water year 2001: Oct. 6-16, 23-31, Nov. 28-29 and Jan. 4-18. Records fair except for estimated daily discharges, which are poor. Satellite telemeter and U.S. Army Corps of Engineers radio telemeter at station

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

Date	Time	Discharge (ft^3/s)	Gage Height ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Jan. 23, 1999	0200	*15,700	*23.86	Sep. 2, 2001	1530	8,880	16.13
Mar. 3, 1999	0245	10,600	19.28	Oct. 14, 2001	0030	14,800	23.23
Mar. 13, 1999	1400	9,320	17.32	Nov. 29, 2001	1715	6,840	22.24
Jun. 25 1999	----	unknown	unknown	Dec. 14, 2001	0045	16,000	21.99
Apr. 2, 2000	1400	*9,960	*18.04	Jan. 19, 2002	1200	8,490	16.19
Apr. 3, 2000	1615	9,360	17.37	Jan. 23, 2002	1430	9,470	21.78
Dec. 16, 2000	1615	9,000	16.68	Jan. 24, 2002	1900	15,400	22.80
Jan. 19, 2001	1145	9,610	18.00	Mar. 31, 2002	1215	9,250	17.58
Feb. 16, 2001	2045	11,800	20.37	May 3, 2002	2000	*16,800	*23.81
Apr. 3, 2001	1930	*19,600	*24.33	Sep. 27, 2002	0030	12,800	23.22

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	16	15	e300	1630	582	448	177	23	543	28	10
2	12	16	16	e2700	e760	2240	334	146	21	446	26	10
3	632	15	16	e1500	e520	5540	296	128	17	349	24	10
4	49	16	16	e700	e435	1260	1960	113	13	273	22	10
5	13	15	17	e300	e370	681	618	321	12	217	20	11
6	9.1	16	19	e240	e350	2720	1000	3660	11	192	17	11
7	9.7	15	54	e210	e500	965	473	811	9.2	664	17	10
8	9.6	22	59	1110	e440	683	370	509	9.0	389	16	9.7
9	8.4	23	36	3670	e460	2380	316	374	8.6	223	17	15
10	7.6	48	51	824	e4200	783	263	299	8.8	192	16	10
11	7.5	21	132	477	e1000	563	219	223	8.6	297	15	9.7
12	7.4	15	e5500	368	e1400	475	179	158	41	205	15	9.2
13	7.7	12	e2200	543	e660	5890	157	160	52	155	15	8.8
14	8.0	85	e800	2820	e510	3780	153	131	138	151	14	9.3
15	8.1	46	e400	651	e430	1980	425	107	158	136	14	9.4
16	8.4	19	323	389	e360	1180	228	89	69	122	14	8.9
17	8.7	14	293	291	e1100	848	159	71	38	107	14	9.0
18	9.2	13	266	406	e700	648	136	75	28	93	14	8.8
19	11	e15	288	286	e540	523	126	54	23	85	13	8.5
20	11	e100	260	220	e400	506	113	e45	20	80	12	8.6
21	11	e50	225	191	e310	547	100	e38	17	74	12	8.7
22	12	e20	e700	6080	e250	403	86	e42	16	63	12	8.9
23	13	e140	e3000	10300	e200	345	69	e45	707	60	12	9.1
24	15	e35	e2800	2720	e170	310	646	e30	e6000	48	12	9.2
25	16	e17	e700	1620	e140	264	527	e27	e7500	45	12	9.0
26	19	e15	e550	1050	e120	232	2820	e32	2510	57	11	9.0
27	19	e14	e600	694	641	207	811	e18	1750	49	12	9.1
28	21	e15	e3500	501	2060	191	408	13	1060	46	10	9.3
29	22	15	e1200	1030	---	461	289	12	864	36	12	9.4
30	20	15	e600	2750	---	383	223	13	731	34	10	9.4
31	18	---	e500	3310	---	502	---	20	---	31	9.9	---
TOTAL	1034.4	878	25136	48251	20656	38072	13952	7941	21863.2	5462	467.9	288.0
MEAN	33.37	29.27	810.8	1556	737.7	1228	465.1	256.2	728.8	176.2	15.09	9.600
MAX	632	140	5500	10300	4200	5890	2820	3660	7500	664	28	15
MIN	7.4	12	15	191	120	191	69	12	8.6	31	9.9	8.5
MED	11	16	293	694	480	582	292	89	26	122	14	9.3
CFSM	0.14	0.13	3.48	6.68	3.17	5.27	2.00	1.10	3.13	0.76	0.06	0.04
IN.	0.17	0.14	4.01	7.70	3.30	6.08	2.23	1.27	3.49	0.87	0.07	0.05

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 1999, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	82.38	289.0	688.3	762.7	706.6	858.4	569.5	532.0	268.7	89.93	54.30	48.92
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 1998 CALENDAR YEAR		FOR 1999 WATER YEAR		WATER YEARS 1971 - 1999	
ANNUAL TOTAL	122322.9		184001.5			
ANNUAL MEAN	335.1		504.1		411.6	
HIGHEST ANNUAL MEAN					903	1983
LOWEST ANNUAL MEAN					97.4	1988
HIGHEST DAILY MEAN	5830	Feb 17	10300	Jan 23	26200	May 27 1991
LOWEST DAILY MEAN	1.5	Jul 2	7.4	Oct 12	0.42	Aug 25 1988
ANNUAL SEVEN-DAY MINIMUM	1.7	Jun 28	7.8	Oct 9	0.80	Aug 21 1988
MAXIMUM PEAK FLOW			15700	Jan 23	37900	May 27 1991
MAXIMUM PEAK STAGE			23.86	Jan 23	27.80	May 27 1991
ANNUAL RUNOFF (CFSM)	1.44		2.16		1.77	
ANNUAL RUNOFF (INCHES)	19.53		29.38		24.00	
10 PERCENT EXCEEDS	744		1140		845	
50 PERCENT EXCEEDS	65		100		99	
90 PERCENT EXCEEDS	6.6		9.7		7.9	

e Estimated

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

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.34	2.39	2.35	---	5.43	3.83	3.58	3.00	2.34	3.56	2.33	2.21
2	2.35	2.38	2.36	---	---	6.00	3.36	2.90	2.32	3.38	2.31	2.21
3	3.77	2.37	2.36	---	---	12.08	3.27	2.84	2.28	3.20	2.31	2.21
4	2.59	2.38	2.37	---	---	4.83	6.03	2.79	2.22	3.04	2.29	2.21
5	2.37	2.36	2.38	---	---	3.99	3.88	3.13	2.21	2.91	2.28	2.22
6	2.31	2.37	2.40	---	---	7.31	4.45	8.82	2.18	2.84	2.25	2.23
7	2.32	2.36	2.59	---	---	4.40	3.63	4.18	2.15	3.76	2.25	2.22
8	2.32	2.42	2.61	4.68	---	3.99	3.43	3.70	2.14	3.28	2.24	2.21
9	2.30	2.44	2.52	8.87	---	6.72	3.32	3.44	2.13	2.93	2.26	2.28
10	2.29	2.55	2.56	4.23	---	4.14	3.21	3.28	2.13	2.86	2.25	2.22
11	2.29	2.41	2.86	3.68	---	3.80	3.11	3.11	2.12	3.09	2.24	2.21
12	2.29	2.35	---	3.47	---	3.64	3.00	2.94	2.32	2.89	2.24	2.21
13	2.29	2.32	---	3.73	---	12.11	2.94	2.94	2.43	2.76	2.23	2.21
14	2.30	2.62	---	7.48	---	9.21	2.92	2.85	2.69	2.75	2.23	2.22
15	2.30	2.53	---	3.97	---	6.00	3.54	2.77	2.77	2.70	2.23	2.22
16	2.31	2.37	3.35	3.51	---	4.71	3.12	2.71	2.48	2.65	2.23	2.21
17	2.31	2.32	3.29	3.30	---	4.23	2.94	2.64	2.36	2.61	2.23	2.21
18	2.32	2.30	3.23	3.54	---	3.94	2.87	2.65	2.29	2.57	2.23	2.21
19	2.35	---	3.28	3.29	---	3.73	2.83	2.57	2.25	2.55	2.22	2.20
20	2.35	---	3.22	3.15	---	3.69	2.79	---	2.22	2.53	2.21	2.20
21	2.35	---	3.14	3.07	---	3.77	2.75	---	2.19	2.51	2.21	2.20
22	2.35	---	---	9.72	---	3.50	2.71	---	2.17	2.47	2.22	2.21
23	2.37	---	---	20.19	---	3.38	2.65	---	3.57	2.46	2.21	2.21
24	2.39	---	---	7.31	---	3.31	3.67	---	---	2.43	2.22	2.21
25	2.41	---	---	5.37	---	3.21	3.68	---	---	2.41	2.22	2.21
26	2.43	---	---	4.53	---	3.14	7.46	---	6.95	2.46	2.21	2.21
27	2.43	---	---	4.04	3.77	3.08	4.17	---	5.60	2.43	2.22	2.21
28	2.44	---	---	3.71	6.21	3.03	3.50	2.26	4.41	2.42	2.20	2.22
29	2.44	2.34	---	4.54	---	3.56	3.26	2.24	4.08	2.38	2.22	2.22
30	2.42	2.34	---	7.37	---	3.46	3.11	2.24	3.88	2.36	2.20	2.22
31	2.41	---	---	8.35	---	3.68	---	2.32	---	2.35	2.20	---
MEAN	2.40	---	---	---	---	4.82	3.51	---	---	2.76	2.24	2.21
MAX	3.77	---	---	---	---	12.11	7.46	---	---	3.76	2.33	2.28
MIN	2.29	---	---	---	---	3.03	2.65	---	---	2.35	2.20	2.20
MED	2.35	---	---	---	---	3.83	3.27	---	---	2.65	2.23	2.21

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	23	4.5	6.2	35	106	184	56	4.8	41	5.7	1.3
2	8.7	29	4.9	6.1	26	85	7710	48	4.4	21	3.8	1.4
3	8.7	13	5.2	16	22	70	7260	43	4.3	15	4.7	1.4
4	8.2	11	5.5	19	21	60	3200	43	6.2	12	8.3	1.4
5	7.9	11	12	21	17	47	1490	44	8.4	8.7	4.4	1.3
6	8.3	10	12	12	15	41	848	34	6.9	6.9	2.4	1.5
7	8.8	11	10	9.0	15	36	599	27	6.2	5.4	2.7	7.7
8	10	11	6.4	8.6	15	34	701	23	3.9	4.3	5.7	10
9	32	11	6.1	57	14	37	430	20	4.1	3.7	2.9	4.3
10	15	11	15	19	12	750	328	20	3.6	3.1	9.4	3.0
11	9.8	11	14	12	12	2380	279	17	3.5	2.8	74	2.4
12	8.5	11	68	10	12	422	250	15	4.1	2.6	11	3.5
13	8.4	9.2	318	9.8	41	271	588	14	3.0	2.5	4.0	2.5
14	8.0	4.6	73	11	240	203	479	17	2.9	2.8	2.6	1.9
15	8.3	3.5	26	9.4	78	170	311	11	3.0	4.4	2.1	1.5
16	8.6	3.5	17	9.6	42	222	221	9.5	3.0	8.4	1.7	1.2
17	8.9	4.0	12	15	289	225	173	9.0	16	2.8	1.8	1.2
18	8.7	3.4	9.3	24	255	160	141	8.5	196	2.3	1.4	1.5
19	8.9	3.4	9.2	18	181	4330	119	7.9	34	2.3	1.3	1.5
20	9.1	10	9.3	15	97	2220	95	9.3	121	4.6	1.2	1.5
21	9.7	5.8	15	13	64	812	77	9.4	132	5.4	1.2	3.1
22	9.5	5.7	13	34	50	574	66	9.4	55	4.5	1.1	2.3
23	9.5	4.3	11	135	41	419	58	8.2	23	15	1.2	3.5
24	9.3	5.2	9.2	61	37	345	110	7.5	14	5.7	1.2	2.7
25	9.4	5.6	8.8	29	34	350	201	7.1	9.0	3.2	1.3	2.4
26	9.6	6.9	8.6	21	86	344	126	6.8	7.0	2.5	1.5	2.2
27	9.8	5.5	7.7	17	781	268	101	21	217	2.1	1.6	1.8
28	10	5.0	7.6	26	210	162	98	46	298	1.9	1.5	3.1
29	9.9	4.6	7.0	85	134	115	86	12	211	2.8	1.5	1.9
30	10	4.5	6.8	94	---	83	68	7.1	121	4.1	1.4	2.1
31	11	---	5.9	56	---	77	---	5.5	---	11	1.3	---
TOTAL	311.4	257.7	738.0	878.7	2876	15418	26397	616.2	1526.3	214.8	165.9	77.1
MEAN	10.05	8.590	23.81	28.35	99.17	497.4	879.9	19.88	50.88	6.929	5.352	2.570
MAX	32	29	318	135	781	4330	7710	56	298	41	74	10
MIN	7.9	3.4	4.5	6.1	12	34	58	5.5	2.9	1.9	1.1	1.2
MED	9.1	6.3	9.3	17	41	203	211	14	7.0	4.3	1.8	2.0
CFSM	0.04	0.04	0.10	0.12	0.43	2.13	3.78	0.09	0.22	0.03	0.02	0.01
IN.	0.05	0.04	0.12	0.14	0.46	2.46	4.21	0.10	0.24	0.03	0.03	0.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2000, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	79.97	279.7	666.2	738.3	685.8	846.4	579.8	514.9	261.5	87.16	52.67	47.38
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	8.59	23.8	28.1	99.2	150	41.5	19.9	5.92	6.93	2.94	2.57
(WY)	1988	2000	2000	1986	2000	1988	1986	2000	1988	2000	1988	2000

SUMMARY STATISTICS	FOR 1999 CALENDAR YEAR		FOR 2000 WATER YEAR		WATER YEARS 1971 - 2000	
ANNUAL TOTAL	158260.2		49477.1			
ANNUAL MEAN	433.6		135.2		402.4	
HIGHEST ANNUAL MEAN					903	1983
LOWEST ANNUAL MEAN					97.4	1988
HIGHEST DAILY MEAN	10300	Jan 23	7710	Apr 2	26200	May 27 1991
LOWEST DAILY MEAN	3.4	Nov 18	1.1	Aug 22	0.42	Aug 25 1988
ANNUAL SEVEN-DAY MINIMUM	4.5	Nov 13	1.2	Aug 19	0.80	Aug 21 1988
MAXIMUM PEAK FLOW			9960	Apr 2	37900	May 27 1991
MAXIMUM PEAK STAGE			18.04	Apr 2	27.80	May 27 1991
ANNUAL RUNOFF (CFSM)	1.86		0.58		1.73	
ANNUAL RUNOFF (INCHES)	25.27		7.90		23.47	
10 PERCENT EXCEEDS	1000		218		819	
50 PERCENT EXCEEDS	45		10		93	
90 PERCENT EXCEEDS	8.6		2.3		7.4	

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

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.21	2.36	2.09	2.15	2.45	2.74	2.81	2.55	2.11	2.48	2.15	1.94
2	2.20	2.41	2.10	2.15	2.40	2.68	14.88	2.51	2.10	2.36	2.09	1.95
3	2.20	2.27	2.11	2.23	2.36	2.62	14.49	2.49	2.10	2.29	2.11	1.95
4	2.19	2.24	2.12	2.33	2.35	2.59	8.26	2.49	2.15	2.25	2.14	1.95
5	2.19	2.24	2.23	2.35	2.32	2.54	5.18	2.49	2.20	2.20	2.10	1.94
6	2.20	2.23	2.24	2.25	2.30	2.51	4.18	2.44	2.17	2.17	2.02	1.96
7	2.21	2.23	2.22	2.21	2.29	2.49	3.80	2.40	2.15	2.13	2.04	2.08
8	2.23	2.23	2.14	2.20	2.30	2.47	3.96	2.37	2.08	2.09	2.14	2.23
9	2.43	2.24	2.14	2.51	2.29	2.49	3.49	2.35	2.09	2.07	2.05	2.10
10	2.30	2.24	2.28	2.33	2.26	3.71	3.28	2.35	2.07	2.05	2.09	2.05
11	2.22	2.24	2.27	2.26	2.26	6.77	3.18	2.32	2.07	2.04	2.61	2.02
12	2.20	2.24	2.49	2.23	2.26	3.50	3.11	2.29	2.09	2.02	2.24	2.06
13	2.20	2.21	3.23	2.22	2.39	3.19	3.73	2.28	2.04	2.02	2.09	2.03
14	2.19	2.10	2.59	2.24	3.08	3.03	3.58	2.31	2.04	2.04	2.03	1.99
15	2.20	2.06	2.38	2.22	2.62	2.94	3.25	2.24	2.05	2.06	2.00	1.96
16	2.20	2.07	2.30	2.22	2.49	3.07	3.05	2.22	2.04	2.17	1.99	1.93
17	2.21	2.08	2.24	2.30	3.03	3.09	2.92	2.21	2.28	2.04	1.99	1.93
18	2.20	2.06	2.21	2.38	3.10	2.92	2.82	2.20	2.95	2.01	1.96	1.95
19	2.21	2.06	2.20	2.33	2.94	9.94	2.75	2.19	2.43	2.01	1.95	1.95
20	2.21	2.22	2.20	2.30	2.68	6.44	2.68	2.21	2.71	2.07	1.94	1.95
21	2.22	2.14	2.28	2.26	2.57	4.13	2.62	2.22	2.79	2.11	1.94	2.05
22	2.22	2.14	2.26	2.40	2.52	3.76	2.58	2.22	2.53	2.11	1.93	2.01
23	2.22	2.09	2.22	2.80	2.48	3.47	2.55	2.19	2.37	2.27	1.93	2.05
24	2.21	2.12	2.20	2.56	2.46	3.32	2.72	2.18	2.28	2.14	1.93	2.03
25	2.22	2.12	2.19	2.41	2.45	3.33	3.00	2.17	2.21	2.06	1.94	2.01
26	2.22	2.16	2.19	2.36	2.57	3.32	2.77	2.16	2.16	2.03	1.96	2.00
27	2.22	2.12	2.17	2.32	4.08	3.15	2.70	2.24	2.97	2.01	1.97	1.98
28	2.23	2.11	2.17	2.38	3.04	2.88	2.69	2.48	3.19	1.99	1.96	2.04
29	2.22	2.09	2.16	2.65	2.83	2.74	2.65	2.25	3.00	2.03	1.96	1.98
30	2.23	2.09	2.16	2.68	---	2.64	2.59	2.17	2.76	2.06	1.95	2.00
31	2.24	---	2.14	2.54	---	2.62	---	2.13	---	2.25	1.94	---
MEAN	2.22	2.17	2.26	2.35	2.59	3.45	4.08	2.30	2.34	2.12	2.04	2.00
MAX	2.43	2.41	3.23	2.80	4.08	9.94	14.88	2.55	3.19	2.48	2.61	2.23
MIN	2.19	2.06	2.09	2.15	2.26	2.47	2.55	2.13	2.04	1.99	1.93	1.93
MED	2.21	2.15	2.20	2.32	2.46	3.03	3.02	2.25	2.17	2.07	1.99	2.00

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.5	1.4	65	46	249	744	161	101	152	305	13	101
2	1.2	1.4	55	54	194	594	143	89	89	83	9.2	4110
3	1.3	1.8	44	61	158	727	8840	78	65	72	7.6	1500
4	1.3	10	38	e55	135	1350	6190	67	226	161	6.6	628
5	1.3	5.7	34	e62	118	648	2660	57	1080	111	6.4	423
6	e1.1	3.9	32	e61	98	475	1640	52	219	49	7.5	300
7	e1.1	3.1	30	e60	91	416	1040	51	2990	33	9.1	202
8	e1.1	323	28	e61	87	366	658	52	1170	27	16	150
9	e1.1	1210	26	e58	112	327	501	50	430	24	1440	141
10	e1.0	76	25	e57	422	287	418	69	309	20	502	116
11	e1.1	16	27	e60	252	267	358	114	227	20	457	102
12	e1.1	8.9	31	e77	610	1290	1730	111	163	65	1160	92
13	e0.97	9.4	567	e87	3420	826	4480	87	139	38	392	87
14	e0.92	7.9	890	e76	2150	473	1410	70	120	26	311	83
15	e0.90	5.9	460	e80	1170	1540	1290	48	109	20	145	61
16	e0.83	14	5110	e82	6660	471	770	30	100	17	103	53
17	0.74	17	1740	e400	4760	315	498	24	77	18	92	47
18	0.72	9.7	577	e3400	1830	248	381	23	66	16	118	46
19	0.97	6.9	425	7400	1180	207	325	20	56	14	93	65
20	1.3	5.8	333	2040	906	635	276	23	47	13	56	59
21	1.6	5.0	267	835	728	579	232	162	44	12	37	39
22	1.7	4.4	198	601	912	293	186	150	41	10	31	35
23	e1.9	4.3	153	490	644	232	183	68	46	8.8	26	34
24	e1.9	1980	136	406	559	193	986	92	32	8.1	23	32
25	e1.8	2050	117	321	4180	170	303	70	26	17	20	31
26	e1.8	315	102	237	1260	153	235	40	23	11	21	30
27	e1.8	202	102	182	1330	141	183	32	30	7.7	92	31
28	e1.7	e130	91	148	1410	133	157	119	26	6.7	253	30
29	e1.6	e100	75	421	---	132	138	534	46	6.4	67	30
30	e1.6	79	57	949	---	141	116	141	28	14	36	30
31	e1.5	---	50	359	---	142	---	357	---	73	54	---
TOTAL	40.45	6607.5	11885	19226	35625	14515	36488	2981	8176	1306.7	5604.4	8688
MEAN	1.305	220.2	383.4	620.2	1272	468.2	1216	96.16	272.5	42.15	180.8	289.6
MAX	1.9	2050	5110	7400	6660	1540	8840	534	2990	305	1440	4110
MIN	0.72	1.4	25	46	87	132	116	20	23	6.4	6.4	30
MED	1.3	9.5	91	87	686	327	400	69	83	20	54	63
CFSM	0.01	0.95	1.65	2.66	5.46	2.01	5.22	0.41	1.17	0.18	0.78	1.24
IN.	0.01	1.05	1.90	3.07	5.69	2.32	5.83	0.48	1.31	0.21	0.89	1.39

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

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	77.43	277.7	657.1	734.4	704.6	834.2	600.4	501.4	261.8	85.71	56.80	55.19
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	1.30	8.59	23.8	28.1	99.2	150	41.5	19.9	5.92	6.93	2.94	2.57
(WY)	2001	2000	2000	1986	2000	1988	1986	2000	1988	2000	1988	2000

SUMMARY STATISTICS	FOR 2000 CALENDAR YEAR		FOR 2001 WATER YEAR		WATER YEARS 1971 - 2001	
ANNUAL TOTAL	66702.95		151143.05			
ANNUAL MEAN	182.2		414.1		402.8	
HIGHEST ANNUAL MEAN					903	1983
LOWEST ANNUAL MEAN					97.4	1988
HIGHEST DAILY MEAN	7710	Apr 2	8840	Apr 3	26200	May 27 1991
LOWEST DAILY MEAN	0.72	Oct 18	0.72	Oct 18	0.42	Aug 25 1988
ANNUAL SEVEN-DAY MINIMUM	0.86	Oct 13	0.86	Oct 13	0.80	Aug 21 1988
MAXIMUM PEAK FLOW			19600	Apr 3	37900	May 27 1991
MAXIMUM PEAK STAGE			24.33	Apr 3	27.80	May 27 1991
ANNUAL RUNOFF (CFSM)	0.78		1.78		1.73	
ANNUAL RUNOFF (INCHES)	10.65		24.13		23.49	
10 PERCENT EXCEEDS	312		1110		827	
50 PERCENT EXCEEDS	14		87		92	
90 PERCENT EXCEEDS	1.4		4.1		7.3	

e Estimated

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

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

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.95	1.95	2.58	2.51	3.14	4.00	2.86	2.67	2.83	3.15	2.24	2.70
2	1.92	1.95	2.54	2.53	3.01	3.76	2.80	2.63	2.63	2.61	2.18	9.45
3	1.93	1.98	2.50	2.56	2.91	3.96	13.45	2.59	2.55	2.57	2.15	5.22
4	1.93	2.23	2.47	---	2.83	4.95	15.19	2.55	2.87	2.84	2.13	3.85
5	1.93	2.15	2.44	---	2.78	3.85	7.20	2.52	4.53	2.70	2.12	3.47
6	---	2.09	2.44	---	2.72	3.54	5.41	2.50	3.01	2.49	2.14	3.22
7	---	2.06	2.42	---	2.70	3.43	4.45	2.50	7.75	2.41	2.18	3.00
8	---	2.83	2.41	---	2.68	3.33	3.87	2.50	4.68	2.37	2.26	2.85
9	---	4.75	2.39	---	2.76	3.25	3.59	2.49	3.46	2.35	5.06	2.82
10	---	2.61	2.39	---	3.50	3.17	3.43	2.56	3.21	2.32	3.59	2.74
11	---	2.32	2.40	---	3.15	3.12	3.32	2.70	3.03	2.32	3.52	2.70
12	---	2.22	2.43	---	3.76	4.86	5.49	2.70	2.87	2.53	4.70	2.67
13	---	2.22	3.42	---	8.53	4.13	10.36	2.62	2.79	2.44	3.41	2.65
14	---	2.20	4.23	---	6.32	3.54	5.05	2.56	2.72	2.36	3.24	2.64
15	---	2.15	3.46	---	4.69	5.30	4.86	2.48	2.69	2.32	2.84	2.56
16	---	2.27	11.09	---	12.63	3.53	4.04	2.39	2.66	2.29	2.70	2.53
17	1.87	2.32	5.67	---	11.10	3.23	3.59	2.35	2.59	2.30	2.67	2.51
18	1.87	2.23	3.76	---	5.73	3.08	3.36	2.34	2.55	2.27	2.75	2.50
19	1.90	2.18	3.48	14.70	4.67	2.98	3.25	2.32	2.52	2.25	2.67	2.58
20	1.94	2.15	3.29	6.12	4.24	3.74	3.14	2.34	2.48	2.24	2.54	2.56
21	1.97	2.13	3.15	4.19	3.98	3.71	3.04	2.85	2.47	2.23	2.47	2.47
22	1.98	2.11	2.99	3.84	4.25	3.18	2.93	2.82	2.45	2.20	2.42	2.45
23	---	2.10	2.86	3.64	3.85	3.05	2.91	2.56	2.48	2.18	2.40	2.44
24	---	5.79	2.81	3.47	3.70	2.95	4.37	2.63	2.40	2.16	2.37	2.44
25	---	6.27	2.74	3.30	9.65	2.88	3.20	2.56	2.36	2.25	2.35	2.43
26	---	3.25	2.70	3.12	4.80	2.83	3.05	2.45	2.34	2.21	2.35	2.42
27	---	2.99	2.70	2.98	4.93	2.79	2.92	2.40	2.38	2.15	2.57	2.43
28	---	---	2.67	2.88	5.04	2.77	2.84	2.64	2.37	2.13	3.08	2.42
29	---	---	2.61	3.36	---	2.76	2.78	3.59	2.46	2.12	2.58	2.42
30	---	2.63	2.55	4.36	---	2.79	2.71	2.79	2.38	2.22	2.46	2.42
31	---	---	2.52	3.38	---	2.80	---	3.28	---	2.55	2.52	---
MEAN	---	---	3.16	---	4.79	3.46	4.65	2.61	2.95	2.37	2.73	2.99
MAX	---	---	11.09	---	12.63	5.30	15.19	3.59	7.75	3.15	5.06	9.45
MIN	---	---	2.39	---	2.68	2.76	2.71	2.32	2.34	2.12	2.12	2.42
MED	---	---	2.67	---	3.92	3.25	3.40	2.56	2.61	2.32	2.52	2.57

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	29	2390	162	832	94	2200	862	43	9.4	8.3	6.9
2	32	26	1670	139	603	85	1380	270	35	184	6.1	6.9
3	34	25	1220	128	518	77	949	12300	31	282	5.4	7.0
4	35	22	893	110	485	60	752	8970	27	21	4.9	7.0
5	46	20	680	75	384	53	583	2400	24	18	4.7	7.2
6	61	17	541	509	1750	49	438	1640	22	13	4.2	7.0
7	51	15	667	303	1180	45	409	1150	19	8.9	4.0	7.5
8	49	15	1180	205	566	46	567	765	17	7.0	4.0	7.7
9	48	13	945	188	435	133	1280	510	16	17	3.9	7.9
10	48	12	536	167	345	115	311	1560	16	8.6	4.3	7.8
11	404	12	396	168	280	70	227	866	64	10	4.2	7.3
12	927	12	486	150	238	991	200	434	43	134	3.8	6.7
13	5900	11	6530	133	216	533	165	332	26	82	3.4	6.5
14	9140	11	6830	145	185	306	142	271	144	31	5.1	6.4
15	2560	11	1940	115	172	214	116	213	63	16	8.6	32
16	1440	12	1220	95	156	3990	104	165	30	11	14	12
17	891	11	2720	91	136	2180	80	150	25	9.0	7.0	7.8
18	634	9.9	1460	164	122	4570	62	188	21	6.9	5.5	15
19	516	9.4	848	4340	124	1740	57	136	18	6.4	4.7	10
20	427	8.5	537	1500	2900	2330	48	116	15	42	4.3	18
21	330	8.0	429	682	924	2460	39	101	14	14	4.1	39
22	248	7.9	353	521	517	967	36	90	13	7.3	4.8	9.8
23	175	8.1	3780	10200	347	595	27	76	12	6.2	7.2	7.6
24	145	54	1140	11500	254	503	22	69	10	6.9	59	6.9
25	128	73	570	6860	191	412	21	63	10	7.3	80	43
26	97	18	403	2980	186	618	20	53	26	5.8	11	7110
27	76	1780	357	2270	138	371	25	65	35	5.1	8.2	7630
28	60	1410	318	1930	112	280	20	121	15	4.7	7.4	1700
29	50	8220	260	1570	---	217	18	117	12	4.4	6.9	849
30	42	6720	207	1260	---	3460	478	82	17	6.0	7.0	596
31	35	---	186	954	---	6340	---	57	---	8.7	7.2	---
TOTAL	24660	18600.8	41692	49614	14296	33904	10776	34192	863	993.6	313.2	18185.9
MEAN	795.5	620.0	1345	1600	510.6	1094	359.2	1103	28.77	32.05	10.10	606.2
MAX	9140	8220	6830	11500	2900	6340	2200	12300	144	282	80	7630
MIN	31	7.9	186	75	112	45	18	53	10	4.4	3.4	6.4
MED	97	14	680	205	312	371	129	188	22	9.0	5.4	7.8
CFSM	3.41	2.66	5.77	6.87	2.19	4.69	1.54	4.73	0.12	0.14	0.04	2.60
IN.	3.94	2.97	6.66	7.92	2.28	5.41	1.72	5.46	0.14	0.16	0.05	2.90

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	99.87	288.4	678.6	761.5	698.6	842.3	592.8	520.2	254.5	84.03	55.34	72.41
MAX	795	1336	2996	2970	2079	2759	2193	2997	994	478	213	606
(WY)	2002	1980	1983	1974	1991	1975	1983	1991	1997	1989	1992	2002
MIN	1.30	8.59	23.8	28.1	99.2	150	41.5	19.9	5.92	6.93	2.94	2.57
(WY)	2001	2000	2000	1986	2000	1988	1986	2000	1988	2000	1988	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1971 - 2002	
ANNUAL TOTAL	217562.9		248090.5			
ANNUAL MEAN	596.1		679.7		411.4	
HIGHEST ANNUAL MEAN					903	1983
LOWEST ANNUAL MEAN					97.4	1988
HIGHEST DAILY MEAN	9140	Oct 14	12300	May 3	26200	May 27 1991
LOWEST DAILY MEAN	6.4	Jul 29	3.4	Aug 13	0.42	Aug 25 1988
ANNUAL SEVEN-DAY MINIMUM	8.5	Aug 1	3.9	Aug 7	0.80	Aug 21 1988
MAXIMUM PEAK FLOW			16800	May 3	37900	May 27 1991
MAXIMUM PEAK STAGE			23.81	May 3	27.80	May 27 1991
ANNUAL RUNOFF (CFSM)	2.56		2.92		1.77	
ANNUAL RUNOFF (INCHES)	34.74		39.61		23.99	
10 PERCENT EXCEEDS	1410		1680		848	
50 PERCENT EXCEEDS	120		85		92	
90 PERCENT EXCEEDS	16		7.0		7.3	

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

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.43	2.54	6.72	2.93	4.19	2.72	6.39	4.14	2.41	2.11	2.08	2.10
2	2.44	2.52	5.45	2.86	3.85	2.69	4.98	3.10	2.37	2.51	2.04	2.10
3	2.44	2.51	4.76	2.82	3.70	2.66	4.29	17.87	2.35	2.96	2.02	2.10
4	2.45	2.48	4.28	2.76	3.63	2.60	3.99	19.44	2.32	2.24	2.01	2.10
5	2.50	2.47	3.98	2.65	3.44	2.58	3.71	7.55	2.29	2.21	2.01	2.10
6	2.56	2.44	3.74	3.61	5.70	2.56	3.44	5.65	2.27	2.16	1.99	2.11
7	2.53	2.42	3.92	3.27	4.71	2.54	3.39	4.62	2.25	2.10	1.98	2.12
8	2.52	2.41	4.74	3.05	3.78	2.55	3.64	4.00	2.23	2.06	1.98	2.12
9	2.52	2.39	4.36	3.01	3.54	2.82	4.84	3.58	2.22	2.18	1.98	2.13
10	2.52	2.38	3.73	2.95	3.36	2.78	3.19	5.35	2.21	2.09	1.99	2.13
11	3.20	2.38	3.46	2.95	3.22	2.63	3.00	4.17	2.46	2.11	1.99	2.11
12	4.30	2.37	3.59	2.89	3.13	4.34	2.94	3.44	2.39	2.51	1.98	2.10
13	9.99	2.36	12.14	2.84	3.07	3.71	2.84	3.23	2.29	2.50	1.97	2.10
14	18.32	2.36	14.50	2.88	2.99	3.28	2.77	3.10	2.72	2.29	2.03	2.10
15	7.02	2.36	5.93	2.78	2.96	3.07	2.68	2.97	2.46	2.19	2.10	2.21
16	5.11	2.37	4.76	2.72	2.91	9.39	2.65	2.84	2.31	2.13	2.18	2.17
17	4.33	2.36	7.33	2.71	2.85	6.35	2.57	2.79	2.28	2.10	2.08	2.13
18	3.98	2.35	5.13	2.93	2.80	10.35	2.51	2.90	2.25	2.06	2.04	2.20
19	3.77	2.34	4.21	9.86	2.81	5.59	2.49	2.75	2.22	2.04	2.02	2.16
20	3.60	2.32	3.73	5.22	7.57	6.61	2.45	2.68	2.19	2.35	2.01	2.21
21	3.41	2.31	3.52	3.97	4.33	6.85	2.41	2.64	2.17	2.17	2.01	2.37
22	3.23	2.31	3.38	3.68	3.69	4.39	2.40	2.60	2.15	2.06	2.03	2.16
23	3.05	2.31	9.04	17.92	3.36	3.83	2.34	2.56	2.14	2.04	2.09	2.12
24	2.96	2.55	4.65	19.11	3.16	3.66	2.30	2.52	2.12	2.06	2.25	2.11
25	2.90	2.71	3.79	15.14	3.01	3.49	2.29	2.50	2.12	2.07	2.52	2.30
26	2.80	2.45	3.48	7.79	3.00	3.83	2.28	2.46	2.22	2.03	2.16	12.13
27	2.73	5.63	3.38	6.51	2.85	3.41	2.33	2.50	2.33	2.01	2.11	16.35
28	2.68	5.07	3.30	5.89	2.77	3.22	2.29	2.69	2.19	2.00	2.10	5.53
29	2.64	14.21	3.18	5.29	---	3.06	2.27	2.67	2.14	1.99	2.10	4.13
30	2.61	14.47	3.05	4.82	---	8.38	3.21	2.56	2.19	2.03	2.10	3.74
31	2.57	---	3.00	4.36	---	13.11	---	2.47	---	2.08	2.10	---
MEAN	3.87	3.40	4.98	5.23	3.58	4.49	3.10	4.33	2.28	2.18	2.07	3.18
MAX	18.32	14.47	14.50	19.11	7.57	13.11	6.39	19.44	2.72	2.96	2.52	16.35
MIN	2.43	2.31	3.00	2.65	2.77	2.54	2.27	2.46	2.12	1.99	1.97	2.10
MED	2.80	2.40	3.98	3.05	3.29	3.41	2.73	2.90	2.25	2.10	2.03	2.13

02436500 TOWN CREEK NEAR NETTLETON, MS

LOCATION.--Lat 34°03'33", long 88°37'43", in NW1/4 NW1/4 sec.12, T.12 S., R.6 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160102, near right bank on upstream side of upstream bridge on U.S. Highway 45, 1.5 mi downstream from Chiwapa Creek, 2.1 mi south of Nettleton, and 9.2 mi upstream from mouth.

DRAINAGE AREA.--620 mi^2.

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

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

GAGE.--Water-stage recorder. Datum of gage is 194.01 ft above NGVD of 1929 (levels by U. S. Army Corps of Engineers). Prior to Oct. 1, 1947, at datum 10.00 ft higher.

REMARKS.--Estimated daily discharges: Nov. 29 - Dec. 6. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

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

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 14	0145	22,000	26.47	Mar. 31	1130	17,800	24.82
Nov. 30	----	unknown	unknown	May 4	0830	*36,400	*28.63
Dec. 14	0615	28,600	27.65	Sep. 27	0145	24,900	27.06
Dec. 23	0800	16,600	23.94				
Jan. 24	2330	29,600	27.80				

DISCHARGE, CUBIC feet PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	179	e12800	419	1900	490	4660	3670	179	162	71	25
2	36	168	e3500	389	1420	462	2780	1270	149	166	44	23
3	35	162	e2640	364	1210	440	2110	18600	130	1300	36	23
4	33	150	e2120	332	1110	391	1610	29100	121	200	33	23
5	33	141	e1650	327	915	371	1290	9360	104	115	29	22
6	71	134	e1160	1610	4340	359	1070	3890	93	97	27	21
7	44	129	1120	1260	2750	346	921	2840	83	77	26	21
8	36	125	1600	693	1520	346	1140	2240	77	64	24	21
9	33	120	1830	552	1150	597	3130	1810	71	82	23	21
10	31	114	1150	482	969	770	1430	4520	67	68	22	22
11	548	113	899	463	823	467	1030	2360	119	70	23	20
12	2060	111	849	423	716	2330	846	1310	144	494	22	19
13	7140	106	11500	380	647	1680	752	1020	91	711	20	18
14	16600	104	20200	362	583	998	656	756	123	590	21	18
15	4540	102	4970	338	548	771	583	592	170	384	32	19
16	2580	100	3030	291	513	7350	524	469	82	119	86	90
17	1920	102	6060	282	476	4410	481	426	69	86	55	40
18	1400	100	3270	365	443	8950	437	603	64	70	42	33
19	1090	97	2120	6000	421	3280	403	394	58	60	31	67
20	865	96	1490	3080	4450	5920	374	322	50	122	28	50
21	685	93	1100	1720	2090	6270	351	283	44	105	38	247
22	529	93	898	1310	1360	2290	348	252	41	67	25	74
23	431	96	8970	13300	1030	1630	318	226	37	130	22	35
24	360	163	2830	19600	846	1310	290	203	36	92	23	27
25	470	392	1590	19000	709	1090	282	188	39	84	289	55
26	333	193	1110	6410	740	1910	293	493	43	71	62	11600
27	274	2380	859	4080	614	1280	448	448	178	58	37	19700
28	244	2620	710	3300	533	919	341	273	84	49	30	4460
29	221	e9230	608	2800	---	758	282	966	62	43	30	2180
30	207	e23900	513	2330	---	8250	4120	355	91	43	28	1670
31	192	---	461	1920	---	14200	---	235	---	104	26	---
TOTAL	43079	41613	103607	94182	34826	80635	33300	89474	2699	5883	1305	40644
MEAN	1390	1387	3342	3038	1244	2601	1110	2886	89.97	189.8	42.10	1355
MAX	16600	23900	20200	19600	4450	14200	4660	29100	179	1300	289	19700
MIN	31	93	461	282	421	346	282	188	36	43	20	18
CFSM	2.24	2.24	5.39	4.90	2.01	4.20	1.79	4.66	0.15	0.31	0.07	2.19
IN.	2.58	2.50	6.22	5.65	2.09	4.84	2.00	5.37	0.16	0.35	0.08	2.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	168.0	704.6	1409	1713	1934	2142	1560	1023	505.0	358.7	174.7	221.2
MAX	1390	6074	8062	6105	5740	6215	5434	8377	3924	2512	1381	2208
(WY)	2002	1958	1983	1949	1948	1975	1991	1991	1997	1940	1967	1958
MIN	3.97	14.7	40.3	66.6	294	240	105	63.6	19.0	22.4	7.12	5.39
(WY)	1944	1954	1966	1956	2000	1954	1986	1943	1988	1942	1954	1954

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1940 - 2002	
ANNUAL TOTAL	482017		571247			
ANNUAL MEAN	1321		1565		988.5	
HIGHEST ANNUAL MEAN					2342	1991
LOWEST ANNUAL MEAN					306	1954
HIGHEST DAILY MEAN	23900	Nov 30	29100	May 4	95300	Mar 22 1955
LOWEST DAILY MEAN	27	Aug 6	18	Sep 13	1.0	Sep 14 1942
ANNUAL SEVEN-DAY MINIMUM	36	Sep 29	20	Sep 9	1.6	Oct 8 1942
MAXIMUM PEAK FLOW			36400	May 4	151000	Mar 22 1955
MAXIMUM PEAK STAGE			28.63	May 4	33.88	Mar 22 1955
ANNUAL RUNOFF (CFSM)	2.13		2.52		1.59	
ANNUAL RUNOFF (INCHES)	28.92		34.27		21.66	
10 PERCENT EXCEEDS	3040		3760		2170	
50 PERCENT EXCEEDS	336		371		200	
90 PERCENT EXCEEDS	56		32		21	

e Estimated

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

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

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

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

GAGE.--Water-stage, gate-positon, and lockage recorder. Datum of gage is 150 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 ft^3/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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1300	1620	23500	2170	6290	1920	24800	14600	2360	1880	1510	232
2	1010	1010	21500	3010	5500	2270	19100	6270	1460	1000	354	473
3	1030	1200	14500	1810	4690	2080	16700	23100	1850	3400	1540	569
4	971	1720	7560	2280	3910	1610	11200	58300	1070	897	483	630
5	1070	466	5210	3030	3650	1900	8180	58400	953	641	601	607
6	1520	1010	5270	4350	8270	2010	6370	35600	1600	1020	626	386
7	926	1060	3640	3790	10100	2120	4640	19200	861	772	560	340
8	883	1090	4350	3270	6480	2360	4360	11500	892	790	230	682
9	1100	1370	5180	2660	5450	2530	9760	8500	693	615	586	498
10	1350	809	5320	2390	4930	3940	5930	10700	2000	660	628	218
11	1100	392	4300	3250	4290	2280	4750	9540	869	1670	397	652
12	5240	1010	4030	1900	3460	6680	4830	6340	1600	760	540	651
13	8530	766	17400	1640	3780	6300	2870	5880	780	3020	628	670
14	27900	883	49100	2300	2290	4990	3430	3990	1760	1240	488	472
15	17500	1010	32500	2310	2580	4370	3210	3770	1020	2140	422	335
16	10400	537	21900	1400	2650	14700	2660	2610	949	845	605	477
17	10600	810	19300	2570	2420	13600	2370	2900	1220	669	377	904
18	8400	1260	15700	2170	2020	19100	2790	3860	857	608	570	672
19	5690	905	10100	9600	2600	14100	2110	2470	643	982	548	586
20	2800	420	9020	11100	8440	15600	2170	2430	1020	775	1090	910
21	2350	724	6990	7950	5930	25600	2060	2150	1210	1480	842	2310
22	2440	432	5790	8270	5550	13600	2620	1960	670	562	253	1310
23	1380	1600	16900	22500	5310	10400	1510	1850	1040	802	344	376
24	1420	853	12300	36800	4580	9500	1650	1340	349	1500	701	1230
25	2370	1430	8080	67000	3220	6730	2120	1670	830	381	1390	1330
26	769	1300	7310	63800	3420	7390	1330	1560	648	510	1140	15700
27	1250	5020	6560	42100	2980	7020	1500	2490	1130	831	640	33100
28	1370	6170	4370	20300	2830	5300	1970	1500	1050	651	980	21500
29	645	16000	4590	11900	---	5030	1900	2920	707	984	593	11700
30	1580	37800	2480	8430	---	13600	6030	1960	1570	621	189	11800
31	581	---	2600	8960	---	32600	---	1460	---	601	273	---
MEAN	4048	3023	11530	11770	4558	8427	5497	10030	1122	1074	649.3	3711
MAX	27900	37800	49100	67000	10100	32600	24800	58400	2360	3400	1540	33100
MIN	581	392	2480	1400	2020	1610	1330	1340	349	381	189	218

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1405	2546	5851	6401	7381	7058	5440	4875	3357	1875	1160	1100
MAX	4048	8154	15520	13090	17580	11750	16630	29390	14180	10680	2306	3711
(WY)	2002	1987	1991	1999	1991	1995	1991	1991	1997	1989	1998	2002
MIN	474	814	1136	978	1951	2571	929	853	479	411	349	220
(WY)	1988	2000	2000	1986	2000	1985	1986	1988	1988	1984	1984	1984

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1984 - 2002	
ANNUAL MEAN	5215		5484		4049	
HIGHEST ANNUAL MEAN					8424	1991
LOWEST ANNUAL MEAN					1781	1988
HIGHEST DAILY MEAN	49100	Dec 14	67000	Jan 25	103000	May 28 1991
LOWEST DAILY MEAN	281	Sep 27	189	Aug 30	77	Jun 15 1985
ANNUAL SEVEN-DAY MINIMUM	695	Sep 24	423	Aug 29	138	Sep 16 1984
MAXIMUM PEAK FLOW			73400	Jan 25	123000	Mar 18 1973
MAXIMUM PEAK STAGE			31.04	Jan 25	45.02	Mar 18 1973
10 PERCENT EXCEEDS	13800		14500		9420	
50 PERCENT EXCEEDS	2350		2110		1850	
90 PERCENT EXCEEDS	794		584		534	

02439400 BUTTAHATCHEE RIVER NEAR ABERDEEN, MS

LOCATION.--Lat 33°47'24", long 88°18'55", in NW1/4 SW1/4 sec.3, T.15 S., R.17 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160103, near right bank on downstream side of bridge on county highway, 10.1 mi downstream from Sipsey Creek, 13.7 mi southeast of Aberdeen, and 28.6 mi upstream from the mouth.

DRAINAGE AREA.--798 mi^2.

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

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

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

REMARKS.--Estimated daily discharges: Dec. 14-17 and Jan. 27-29. 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 l893 reached stages of 21 ft, and floods Feb. 4, 1951 and Mar. 30, 1951, reached stages of 19.46 ft and 19.56 ft, respectively, from information by local residents, flood of Apr. 12, 1962, reached a stage of 19.01 ft, from floodmark.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 16	----	23,300	[a]18.04	Apr. 2	0045	12,800	16.46
Jan. 26	1815	24,400	18.19	May 5	1915	*30,500	*18.92
Mar. 23	1915	6,140	14.25				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	211	309	2240	1000	2060	809	6990	2170	654	832	769	234
2	196	301	2780	939	2230	790	11200	3630	615	773	971	212
3	189	296	2180	894	2520	773	7790	3950	554	552	633	202
4	180	292	1180	856	2110	770	4860	4410	509	979	453	194
5	173	284	919	818	1680	734	3170	22500	493	728	355	187
6	177	275	793	842	1680	714	2160	19300	473	553	293	180
7	192	267	722	1020	2150	714	1740	8910	453	426	262	175
8	232	265	691	1110	2810	713	1530	5340	428	352	244	165
9	215	305	733	978	2980	710	1550	3390	408	300	239	155
10	192	267	839	885	2290	751	1680	2500	385	256	207	153
11	212	255	794	848	1780	865	1520	2450	367	238	191	150
12	441	249	828	822	1540	964	1330	3050	343	301	180	148
13	1090	246	1430	794	1360	1610	1460	4450	319	536	177	142
14	2240	245	e4280	764	1240	2020	1440	3130	336	833	171	136
15	2720	241	e10800	734	1140	1650	1270	1900	488	683	169	129
16	3330	239	e20800	710	1070	1560	1140	1440	609	642	173	130
17	3640	236	e9250	686	1030	2280	1050	1200	462	472	194	147
18	1770	238	5680	674	969	3280	973	1660	378	363	265	182
19	878	234	4220	747	915	4370	906	2150	343	301	356	184
20	717	229	3750	1180	926	4430	843	2230	305	285	312	190
21	626	234	3010	1730	1050	4270	793	1580	275	539	271	198
22	551	239	1910	1530	1110	4290	756	1170	277	499	401	244
23	492	243	1770	1230	951	5530	772	998	257	382	379	365
24	457	365	2170	1910	870	4840	771	895	245	514	263	414
25	430	753	2880	5010	830	3030	698	823	262	561	244	332
26	419	1110	3140	18700	826	2130	652	769	274	494	589	673
27	438	837	2180	e15800	892	2070	687	725	350	641	592	1850
28	390	801	1600	e8210	884	2210	768	706	405	510	397	2830
29	349	1170	1390	e4550	---	1800	724	723	498	374	293	3840
30	334	1610	1230	3120	---	1710	726	695	475	301	249	2120
31	319	---	1100	2240	---	2680	---	662	---	339	248	---
TOTAL	23800	12635	97289	81331	41893	65067	61949	109506	12240	15559	10540	16261
MEAN	767.7	421.2	3138	2624	1496	2099	2065	3532	408.0	501.9	340.0	542.0
MAX	3640	1610	20800	18700	2980	5530	11200	22500	654	979	971	3840
MIN	173	229	691	674	826	710	652	662	245	238	169	129
MED	419	267	1910	978	1190	1710	1200	2150	395	499	265	188
CFSM	0.96	0.53	3.93	3.29	1.87	2.63	2.59	4.43	0.51	0.63	0.43	0.68
IN.	1.11	0.59	4.54	3.79	1.95	3.03	2.89	5.10	0.57	0.73	0.49	0.76

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1966 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	508.4	936.8	1929	2450	2306	2748	2327	1771	861.8	558.8	385.7	372.6
MAX	2349	2938	5698	4954	5459	6815	6130	8329	5020	1880	1175	1051
(WY)	1976	1978	1968	1974	1991	1980	1991	1991	1997	1994	1975	1979
MIN	77.0	275	380	519	615	703	461	315	136	163	98.2	81.6
(WY)	2001	1988	2000	1986	2000	1988	1986	1992	1988	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1966 - 2002	
ANNUAL TOTAL	565427		548070			
ANNUAL MEAN	1549		1502		1426	
HIGHEST ANNUAL MEAN					2747	1991
LOWEST ANNUAL MEAN					503	1988
HIGHEST DAILY MEAN	20800	Dec 16	22500	May 5	63900	Mar 17 1973
LOWEST DAILY MEAN	115	Aug 28	129	Sep 15	56	Sep 5 2000
ANNUAL SEVEN-DAY MINIMUM	152	Aug 22	140	Sep 11	59	Sep 2 2000
MAXIMUM PEAK FLOW			30500	May 5	80000	Mar 17 1973
MAXIMUM PEAK STAGE			18.92	May 5	23.48	Mar 17 1973
INSTANTANEOUS LOW FLOW			127	Sep 15	54	Sep 6 2000
ANNUAL RUNOFF (CFSM)	1.94		1.88		1.79	
ANNUAL RUNOFF (INCHES)	26.36		25.55		24.29	
10 PERCENT EXCEEDS	3430		3150		3080	
50 PERCENT EXCEEDS	692		747		746	
90 PERCENT EXCEEDS	232		212		220	

e Estimated
a From flood mark.

02440500 CHUQUATONCHEE CREEK NEAR WEST POINT, MS

LOCATION.--Lat 33°36'27", Long 88°42'33", in NW1/4 NE1/4 sec.18, T.17 S., R.6 E., Chickasaw Meridian, Clay County, Hydrologic Unit 03160104, at bridge on State Highway 50, 3.0 mi west of West Point.

DRAINAGE AREA.--505 mi^2.

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

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

GAGE.--Water stage recorder. Datum of gage is 170.00 ft above NGVD of 1929 (U.S. Army Corps of Engineers).

REMARKS.--Estimated daily discharges: Oct. 24-25 and Aug. 26 - Sept. 21. Records good except for periods of estimated daily discharges, which are poor. Satellite telemeter at station.

CORRECTIONS.--The maximum discharge for water year 2000 was 26,600 ft^3/s, Apr. 4, 2000, gage height, 20.93 ft.

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge ft^3/s)	Gage Height (ft)
Dec. 2	1015	9,220	17.32	Apr. 2	0945	8,870	17.19
Dec. 15	1300	*19,500	*20.01	May 6	1130	10,200	17.65
Jan. 26	0630	18,400	19.80	Sep. 29	0315	12,000	18.21

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.8	37	4220	283	1040	277	6880	560	194	132	376	e3.4
2	6.6	39	8700	257	1190	268	8530	1000	141	172	102	e2.7
3	6.4	39	5820	239	743	269	5800	862	113	488	53	e2.2
4	6.4	36	2020	220	588	245	2170	1900	98	371	35	e1.8
5	6.6	34	597	204	522	219	733	4250	88	121	26	e1.5
6	8.9	31	395	260	1300	212	541	9700	81	84	22	e1.2
7	9.2	30	308	868	2410	209	454	7950	73	55	42	e0.96
8	15	31	280	916	3240	206	490	4630	68	40	96	e0.78
9	12	29	321	580	2000	215	1630	1700	60	31	30	e0.64
10	9.2	29	316	427	775	421	2340	1020	54	28	16	e0.52
11	20	31	264	362	600	388	2350	1510	51	38	14	e0.42
12	256	30	229	336	503	1090	974	2400	64	48	13	e0.34
13	752	28	1770	297	434	2070	539	2270	59	195	13	e0.34
14	2590	27	8270	262	390	2050	435	1000	51	171	13	e0.34
15	3320	26	17800	235	356	866	373	702	53	419	12	e0.35
16	5340	25	12500	208	333	1880	328	494	64	294	86	e1.9
17	5530	26	7470	192	311	3210	289	422	50	82	241	e6.0
18	1940	26	4520	191	292	3970	257	785	41	44	75	e4.6
19	393	26	3320	455	271	5010	233	577	37	30	31	e3.2
20	235	24	1790	1190	578	4860	207	355	32	25	19	e4.9
21	165	23	752	1040	1420	4350	189	280	28	27	14	e2.9
22	127	24	548	565	1070	5370	173	232	24	34	13	44
23	107	32	1110	844	574	6250	185	198	23	36	13	52
24	e87.0	42	2090	3410	438	2930	175	178	21	99	12	18
25	e74.0	49	3690	11800	372	884	154	160	22	220	16	11
26	63	70	3930	16800	343	1200	148	148	25	266	e12	1000
27	55	128	1250	10400	362	1520	255	144	24	321	e9.6	2810
28	47	416	573	5510	310	1030	354	140	21	95	e7.8	6110
29	44	584	459	2210	---	595	250	131	28	53	e6.3	11000
30	40	2150	379	997	---	1690	189	134	38	38	e5.1	7560
31	38	---	319	750	---	3900	---	195	---	211	e4.2	---
TOTAL	21310.1	4122	96010	62308	22765	57654	37625	46027	1726	4268	1428.0	28645.99
MEAN	687.4	137.4	3097	2010	813.0	1860	1254	1485	57.53	137.7	46.06	954.9
MAX	5530	2150	17800	16800	3240	6250	8530	9700	194	488	376	11000
MIN	6.4	23	229	191	271	206	148	131	21	25	4.2	0.34
MED	55	31	1250	455	548	1090	364	577	51	84	16	2.8
CFSM	1.36	0.27	6.13	3.98	1.61	3.68	2.48	2.94	0.11	0.27	0.09	1.89
IN.	1.57	0.30	7.07	4.59	1.68	4.25	2.77	3.39	0.13	0.31	0.11	2.11

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	92.22	304.3	970.1	1514	1835	1830	1345	693.3	312.5	268.0	89.11	137.6
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	0.000	0.000	7.87	19.0	167	233	123	42.9	11.3	10.6	0.000	0.000
(WY)	1953	1954	1944	1956	2000	1954	1967	1965	1965	1969	1954	1954

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1944 - 2002	
ANNUAL TOTAL	371691.3		383889.09			
ANNUAL MEAN	1018		1052		777.5	
HIGHEST ANNUAL MEAN					1371	1962
LOWEST ANNUAL MEAN					249	1954
HIGHEST DAILY MEAN	18400	Jan 20	17800	Dec 15	48400	Mar 17 1973
LOWEST DAILY MEAN	5.0	Jul 29	0.34	Sep 12	0.00	Oct 6 1943
ANNUAL SEVEN-DAY MINIMUM	5.9	Jul 25	0.42	Sep 9	0.00	Oct 6 1943
MAXIMUM PEAK FLOW			19500	Dec 15	57100	Mar 17 1973
MAXIMUM PEAK STAGE			20.01	Dec 15	24.58	Mar 17 1973
INSTANTANEOUS LOW FLOW			0.34a	Sep 12	0.00	Oct 6 1943
ANNUAL RUNOFF (CFSM)	2.02		2.08		1.54	
ANNUAL RUNOFF (INCHES)	27.38		28.28		20.92	
10 PERCENT EXCEEDS	3860		3270		2240	
50 PERCENT EXCEEDS	160		219		98	
90 PERCENT EXCEEDS	14		12		2.0	

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

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

LOCATION.--Lat 33°31'03", long 88°29'22", in NE1/4 sec.11, T.18 S., R.19 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, at control tower on right bank of lock, 3.5 mi northwest of Columbus, 4.1 mi upstream from 02441500 Tombigbee River at Columbus, 6.4 mi upstream from Luxapallila Creek, and at mile 325.3.

DRAINAGE AREA.--4,440 mi^2, prior to construction of Tennessee-Tombigbee Waterway.

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

GAGE.--Water-stage, gate-position, and lockage recorder. Datum of gage is 100.00 ft above NGVD of 1929 (levels by U. S. Army Corps of Engineers). Prior to April 1, 1982, water-stage recorder at site 4.1 mi downstream at datum 28.91 ft higher (see 02441500 Tombigbee River at Columbus). Water-stage recorder for Tombigbee River at Columbus (station 02441500) is used as base gage for this station when tail water gage-heights exceed 63 ft.

REMARKS.--Estimated daily discharges: Dec. 15-20, 23-30, Jan. 1-8, Jun. 22-25, and Jul. 30-31. Records fair except those below 1,000 ft^3/s, which are poor. Reservoir is formed by earth fill dam with concrete spillway with five 60 ft wide tainter gates with sill elevation of 138.0 ft above sea level and 110 ft by 600 ft lock with maximum lift of 27 ft at normal pool elevation of 163.0 ft above sea level. Minimum flow structure with manually operated gates and maximum discharge of about 300 ft^3/s at normal pool. Storage began Jan. 16, l981, dam completed Jan. 29, 1981. Capacity 59,500 acre-ft at normal pool. Regulation for maintenance of navigational pool only. Beginning April 1, 1981, daily discharge computed from relation between discharge, head, gate openings, lockages, and minimum flow structure. Statistics shown below are for water years 1982 to the current year, except for instantaneous extremes, which are shown for the entire period of record at the datum then in use. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1892, the greatest since at least 1867, reached an elevation of 173.0 ft above sea level at site 3.93 mi downstream, discharge 278,000 ft^3/s estimated by U. S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2210	1420	33500	e3740	14100	3670	51800	19600	6520	2130	2550	461
2	758	1970	30000	e4110	11300	2980	39800	8560	4800	2750	631	712
3	813	1400	28800	e3360	9280	3730	42900	24400	5700	4190	1890	634
4	602	2340	18700	e2580	7520	2800	28300	64600	5690	1800	1470	450
5	636	1070	9430	e4220	6710	2690	15700	73100	5000	1160	824	697
6	1700	802	6580	e4860	14700	2820	9870	66400	5720	2110	1230	846
7	413	1550	4550	e6600	22700	3620	7350	52200	4480	1010	925	387
8	582	1120	3930	e6250	15000	2580	7430	30100	5120	1200	625	688
9	1180	1640	6880	4430	13700	3630	16300	20000	4680	943	718	557
10	847	1630	5310	4210	11400	4800	13200	17100	6040	652	648	506
11	1980	861	5340	4390	7400	3150	11800	18100	4270	1370	884	604
12	5960	804	4660	2410	6710	11500	10000	14300	5180	1870	848	566
13	10600	1290	22600	3320	4870	13500	5940	13600	5070	3680	909	608
14	38100	1230	69700	3420	4710	10700	5410	12100	5970	1600	609	617
15	29300	1580	e63300	3300	4830	9880	5280	10400	3970	3290	576	585
16	18200	716	e66600	1840	4130	20200	4350	7330	5270	2800	957	408
17	18700	947	e62000	3530	3780	26100	4320	8600	4460	951	1680	1250
18	16000	1730	e43800	3190	3550	31000	4450	13700	4570	1190	1520	543
19	8110	1640	e24500	9910	3480	27100	3280	9510	4510	1250	526	606
20	3710	1120	e18200	17600	9670	25800	2750	8210	4550	1220	1450	1030
21	3570	395	12600	11100	9710	47100	3580	8440	4620	1820	2240	2700
22	2600	797	8750	10100	8880	31400	3320	6780	e3270	1350	272	2240
23	2460	2120	e20700	22400	7390	23900	2740	6310	e1370	1010	310	405
24	1650	1830	e23700	46100	6280	22500	2430	6230	e1280	2290	1010	1160
25	2790	2560	e14700	78400	4770	14700	2930	5140	e1050	751	1620	2390
26	1770	1820	e14600	75100	4840	12200	2730	6010	834	1970	807	21100
27	1250	5660	e13000	70400	4220	13400	2010	6570	855	1940	1040	46700
28	2210	8520	e7800	57700	4590	10500	3500	5960	1890	1010	1390	37600
29	862	14200	e7230	30900	---	9150	3620	7050	1050	1210	1250	21300
30	2230	42800	e4530	16100	---	19900	5220	5590	2130	e1880	378	25800
31	881	---	4550	13200	---	51400	---	5630	---	e1170	362	---
TOTAL	182674	107562	660540	528770	230220	468400	322310	561620	119919	53567	32149	174150
MEAN	5893	3585	21310	17060	8222	15110	10740	18120	3997	1728	1037	5805
MAX	38100	42800	69700	78400	22700	51400	51800	73100	6520	4190	2550	46700
MIN	413	395	3930	1840	3480	2580	2010	5140	834	652	272	387
CFSM	1.33	0.81	4.80	3.84	1.85	3.40	2.42	4.08	0.90	0.39	0.23	1.31
IN.	1.53	0.90	5.53	4.43	1.93	3.92	2.70	4.71	1.00	0.45	0.27	1.46

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1982 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2158	3976	12160	12620	14160	13190	12130	10160	5467	2959	1731	1604
MAX	5896	12940	36640	26290	33900	22820	37260	56740	24690	12310	3701	5805
(WY)	1985	1987	1983	1989	1991	1995	1983	1991	1997	1994	1998	2002
MIN	585	483	1360	1799	2970	4308	1613	1284	626	901	574	305
(WY)	1988	1982	2000	1986	2000	1985	1986	1992	1988	2000	1999	1984

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1982 - 2002	
ANNUAL TOTAL	3255251		3441881			
ANNUAL MEAN	8918		9430		7666	
HIGHEST ANNUAL MEAN					15970	1991
LOWEST ANNUAL MEAN					2742	1988
HIGHEST DAILY MEAN	69900	Jan 20	78400	Jan 25	166000	May 29 1991
LOWEST DAILY MEAN	298	Aug 24	272	Aug 22	120	Sep 25 1984
ANNUAL SEVEN-DAY MINIMUM	694	Jul 23	528	Aug 30	170	Oct 20 1981
MAXIMUM PEAK FLOW			81100	Jan 25	194000	Mar 19 1973
MAXIMUM PEAK STAGE			60.32	Jan 26	42.22	Mar 19 1973
ANNUAL RUNOFF (CFSM)	2.01		2.12		1.73	
ANNUAL RUNOFF (INCHES)	27.27		28.84		23.46	
10 PERCENT EXCEEDS	24100		25000		18600	
50 PERCENT EXCEEDS	3240		4190		3020	
90 PERCENT EXCEEDS	810		738		700	

e Estimated

02441500 TOMBIGBEE RIVER AT COLUMBUS, MS

LOCATION.--Lat 33°29'25", long 88°25'22", in NE1/4 NE1/4 sec.29, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, on left bank at Columbus, 1,200 ft downstream from bridge on old U.S. Highway 45E and 82, 1,800 ft upstream from Gulf, Mobile and Ohio Railroad bridge, 2.3 mi upstream from Luxapallila Creek, 4.1 mi downstream from 02441390 Tombigbee River at Stennis Lock and Dam, near Columbus, 6.7 mi downstream from Tibbee Creek, and at mile 319.7.

DRAINAGE AREA.--4,463 mi^2, prior to construction of Tennessee-Tombigbee Waterway.

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

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

GAGE.--Water-stage recorder. Datum of gage is 128.91 ft above NGVD of 1929. Prior to Nov. 7, 1934, nonrecording gage at various sites within 0.2 mi of present site, at datum 4.00 ft higher prior to Mar. 13, 1934, and at present datum thereafter. Mar. 3, 1941 to Sept. 30, 1968, auxiliary nonrecording at gage site 3.7 mi upstream at different datum. Oct. 1, 1968, to Sept. 30, 1971, auxiliary nonrecording gage 2.1 mi upstream from base gage at datum 128.82 ft above sea level.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 194,000 ft^3/s, March 19, 1973, gage height, 42.22 ft, site and datum then in use, minimum daily discharge, 120 ft^3/s, Sept. 25, 1984.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1892, the greatest since at least 1867, reached an elevation of 173.0 ft above National Geodetic Vertical of 1929 at site 1,100 ft upstream (corresponding stage at gage about 44 ft) discharge 268,000 ft^3/s estimated by U. S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--See 02441390 for discharge records. Maximum gage height, 29.82 ft, Jan. 27, minimum daily, 7.37 ft, Apr. 20.

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.76	7.85	14.97	8.15	11.14	8.80	18.55	11.11	8.11	8.03	8.15	7.88
2	7.77	7.87	13.51	8.12	10.58	8.68	16.00	8.76	7.96	8.08	7.89	7.96
3	7.87	7.71	13.34	8.06	10.10	8.70	16.39	11.06	8.08	8.34	8.08	8.03
4	7.80	7.92	11.12	8.12	9.53	8.61	13.40	19.06	8.09	8.00	8.00	8.04
5	7.78	7.72	9.00	8.20	9.37	8.76	10.07	22.78	8.04	7.93	7.99	8.04
6	7.75	7.68	8.44	8.26	11.10	8.66	8.45	22.43	8.13	8.07	8.04	8.16
7	7.63	7.86	8.10	8.52	13.89	8.66	7.91	19.91	7.84	8.02	7.88	8.08
8	7.68	7.78	7.98	8.54	11.79	8.47	7.97	14.94	8.02	7.86	7.84	8.06
9	7.86	7.84	8.34	8.38	11.31	8.45	9.43	11.55	8.04	8.03	7.91	8.08
10	7.78	7.90	8.09	8.36	10.65	8.59	8.98	9.69	8.09	7.82	7.93	8.05
11	7.97	7.75	8.21	8.28	9.65	8.34	8.76	10.64	7.91	7.88	8.00	8.02
12	8.29	7.80	8.09	8.09	9.52	9.79	8.21	9.31	8.03	8.06	8.02	8.01
13	8.89	7.87	11.19	8.33	9.18	10.60	7.61	9.30	7.96	8.16	8.05	8.04
14	15.30	7.86	---	8.33	9.16	9.79	7.55	9.06	8.01	8.01	8.08	8.04
15	14.64	7.85	---	8.31	9.23	9.47	7.64	8.61	7.86	8.14	8.08	8.06
16	11.52	7.77	---	8.09	9.07	11.35	7.43	8.30	8.08	8.09	8.10	8.01
17	11.28	7.85	---	8.43	9.09	13.87	7.57	8.33	7.90	7.90	8.02	8.05
18	10.60	7.91	---	8.24	9.23	14.04	7.46	9.32	7.79	8.05	8.03	8.17
19	8.91	7.82	13.73	9.38	9.11	13.88	7.42	8.51	7.97	8.02	7.68	8.18
20	7.95	7.73	11.55	11.61	10.22	12.75	7.37	8.28	8.03	7.94	7.79	8.18
21	8.03	7.71	10.06	9.92	10.37	17.25	7.62	8.24	7.95	8.00	7.74	8.14
22	7.83	7.79	9.29	9.72	10.11	14.96	7.46	8.17	8.08	7.95	7.68	8.10
23	7.89	7.94	11.21	11.90	9.69	12.64	7.47	8.13	7.92	7.91	7.71	7.95
24	7.85	7.96	12.97	16.81	9.47	12.20	7.60	8.14	7.96	8.09	7.78	8.03
25	7.93	7.91	10.34	25.54	9.27	10.25	7.44	8.01	7.94	7.83	7.79	7.93
26	7.79	7.92	10.24	28.93	9.03	9.42	7.60	8.11	8.06	8.08	7.68	10.96
27	7.77	8.27	10.02	29.30	9.03	9.64	7.52	8.11	7.99	8.10	7.73	16.64
28	7.86	8.74	8.87	24.46	8.87	9.00	7.81	7.97	8.02	8.03	7.77	16.18
29	7.84	9.59	8.68	16.44	---	8.74	7.75	8.20	8.04	8.08	7.83	12.22
30	7.90	15.64	8.21	11.87	---	10.32	7.90	8.01	8.11	7.95	7.85	12.83
31	7.78	---	8.30	10.67	---	17.23	---	7.90	---	7.96	7.86	---
MEAN	8.69	8.19	---	11.79	9.96	10.71	9.01	10.64	8.00	8.01	7.90	9.00
MAX	15.30	15.64	---	29.30	13.89	17.25	18.55	22.78	8.13	8.34	8.15	16.64
MIN	7.63	7.68	---	8.06	8.87	8.34	7.37	7.90	7.79	7.82	7.68	7.88
MED	7.86	7.86	---	8.43	9.52	9.64	7.69	8.61	8.02	8.02	7.89	8.06

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS

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

DRAINAGE AREA.--715 mi^2.

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

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

GAGE.--Water-stage recorder. Datum of gage is 142.23 ft above NGVD of 1929. Prior to Nov. 3, 1974, nonrecording gage at same site. September 1928 to September 1930 at undetermined datum, but believed to be same as present datum.

REMARKS.--Estimated daily discharges: Sept. 16-18. Records good except for estimated daily discharges, which are poor. Satellite telemeter and U.S. Army Corps of Engineers radio telemeter at station.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 16	0530	10,600	16.13	Jan. 27	0145	*12,700	*17.46

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	188	229	2100	774	2310	689	3640	1030	328	1320	283	124
2	173	226	2010	716	2560	652	3530	1570	346	1330	443	115
3	161	224	1460	677	2680	634	2970	1990	297	1010	380	110
4	151	222	1120	642	2200	614	2260	2690	258	660	277	105
5	147	217	883	619	1910	592	1720	4740	228	500	217	99
6	185	211	665	664	2100	566	1370	5180	213	524	182	94
7	197	205	551	770	2740	558	1140	3460	212	408	159	93
8	277	201	492	907	3250	544	991	2230	198	302	143	88
9	292	195	464	863	2750	543	1060	1560	190	244	132	87
10	242	192	463	792	2310	574	1130	1180	179	206	123	85
11	211	192	483	728	1910	599	1130	1130	170	186	115	83
12	280	193	514	671	1580	959	1030	1080	162	172	111	82
13	599	192	1050	632	1340	1620	934	919	153	284	107	80
14	2470	192	3990	602	1170	2060	914	800	144	580	104	78
15	2940	182	8380	572	1060	1650	859	653	143	580	107	76
16	3580	172	9930	546	965	1800	794	550	225	532	115	e73
17	2640	173	5640	527	897	2330	732	495	266	482	168	e81
18	1810	173	3540	523	839	2890	668	972	217	370	163	e94
19	1200	173	3120	747	792	2530	611	1260	183	282	162	164
20	774	175	2560	1330	943	2370	558	1510	164	290	158	147
21	540	176	2030	1900	1190	2550	512	1130	147	322	145	135
22	434	181	1690	1700	1300	2780	477	923	138	306	163	166
23	377	189	1620	1570	1110	2670	446	671	134	286	191	262
24	333	218	1720	2050	974	2160	430	514	130	267	161	305
25	303	329	1960	5980	860	1810	415	431	146	290	145	301
26	280	756	1710	10700	798	1610	384	380	182	341	157	554
27	270	845	1520	11500	757	1590	385	346	267	301	209	1280
28	264	767	1360	5470	725	1580	396	318	359	362	205	2660
29	254	1170	1140	2830	---	1390	445	296	393	398	168	2450
30	242	1870	977	2170	---	1700	474	293	625	334	142	1900
31	234	---	863	1800	---	2690	---	293	---	277	129	---
TOTAL	22048	10440	66005	61972	44020	47304	32405	40594	6797	13746	5464	11971
MEAN	711.2	348.0	2129	1999	1572	1526	1080	1309	226.6	443.4	176.3	399.0
MAX	3580	1870	9930	11500	3250	2890	3640	5180	625	1330	443	2660
MIN	147	172	463	523	725	543	384	293	130	172	104	73
MED	280	198	1520	774	1240	1610	826	972	194	334	159	108
AC-FT	43730	20710	130900	122900	87310	93830	64280	80520	13480	27270	10840	23740
CFSM	0.99	0.49	2.98	2.80	2.20	2.13	1.51	1.83	0.32	0.62	0.25	0.56
IN.	1.15	0.54	3.43	3.22	2.29	2.46	1.69	2.11	0.35	0.72	0.28	0.62

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	382.6	762.0	1362	2003	1930	2365	2076	1286	598.1	458.8	264.0	284.5
MAX	1675	3011	5840	3857	4650	6465	5671	7073	2886	1855	1201	1901
(WY)	1976	1930	1984	1979	1990	1980	1991	1991	1997	1994	1975	1979
MIN	60.6	139	268	463	501	461	308	154	55.8	70.4	49.7	44.5
(WY)	2001	1988	1988	1986	2000	1988	1986	1988	1988	2000	1988	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1929 - 2002	
ANNUAL TOTAL	413029		362766			
ANNUAL MEAN	1132		993.9		1146	
HIGHEST ANNUAL MEAN					2277	1991
LOWEST ANNUAL MEAN					320	1988
HIGHEST DAILY MEAN	9930	Dec 16	11500	Jan 27	38000	Apr 14 1979
LOWEST DAILY MEAN	96	Aug 1	73	Sep 16	25	Aug 18 1988
ANNUAL SEVEN-DAY MINIMUM	104	Jul 27	79	Sep 11	29	Aug 14 1988
MAXIMUM PEAK FLOW			12700	Jan 27	40400	Apr 14 1979
MAXIMUM PEAK STAGE			17.46	Jan 27	32.35	Apr 14 1979
INSTANTANEOUS LOW FLOW			75a	Sep 15,16	28	Sep 2 1988
ANNUAL RUNOFF (AC-FT)	819200		719500		830400	
ANNUAL RUNOFF (CFSM)	1.58		1.39		1.60	
ANNUAL RUNOFF (INCHES)	21.49		18.87		21.78	
10 PERCENT EXCEEDS	3020		2400		2500	
50 PERCENT EXCEEDS	540		532		549	
90 PERCENT EXCEEDS	171		145		121	

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

02448000 NOXUBEE RIVER AT MACON, MS

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

DRAINAGE AREA.--768 mi^2.

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

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

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

REMARKS.--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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 14	1500	5,680	23.42	Sep. 27	0700	*5,920	*23.86
Jan. 25	1200	5,210	22.53				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	126	1180	419	3140	461	3340	242	147	136	97	65
2	93	122	926	375	2860	427	3000	281	178	124	115	62
3	87	118	977	344	1950	398	2540	272	167	222	89	58
4	81	108	737	320	1670	368	2620	251	160	268	76	55
5	81	96	455	302	1360	343	2650	284	191	140	76	52
6	92	95	319	447	2920	335	2190	226	204	146	75	50
7	105	98	260	561	4670	311	1210	202	181	151	67	48
8	94	90	230	525	4500	305	797	199	184	126	61	46
9	96	84	211	474	3450	304	1430	183	169	119	57	46
10	107	80	199	460	2810	316	1940	170	144	103	55	46
11	122	76	195	425	2850	323	1660	159	129	90	52	44
12	127	75	198	380	2620	1800	1770	152	134	133	50	42
13	823	75	1690	342	1550	3170	1970	144	117	134	49	42
14	4350	82	5300	315	962	2080	1960	140	118	167	49	42
15	3200	88	5140	293	818	1690	1440	140	132	146	47	41
16	1400	80	3770	276	703	3010	914	139	124	192	47	42
17	1300	74	2780	261	610	4560	702	135	108	173	107	42
18	1430	74	3410	254	533	4710	628	137	103	173	535	42
19	1370	74	3780	737	473	4090	548	153	97	146	220	42
20	817	74	3940	2090	1480	3520	462	339	96	114	104	43
21	481	74	3200	1790	1980	4760	390	440	91	106	83	47
22	368	74	1350	1760	1330	4870	336	280	87	131	78	55
23	296	74	1240	1880	1270	4530	299	193	86	122	71	79
24	209	301	1240	1970	1060	3490	283	153	90	114	65	100
25	170	615	1110	4910	836	2850	266	133	90	126	270	163
26	169	248	1200	5150	678	2640	246	124	90	126	613	3230
27	158	223	1150	4870	589	2050	236	120	94	164	202	5810
28	155	819	920	3920	510	1240	229	115	93	158	98	5640
29	156	937	705	3690	---	984	228	130	112	145	76	4440
30	146	2430	565	3830	---	920	241	118	157	114	67	2250
31	132	---	478	3400	---	1850	---	122	---	97	66	---
TOTAL	18306	7584	48855	46770	50182	62705	36525	5876	3873	4406	3717	22764
MEAN	590.5	252.8	1576	1509	1792	2023	1218	189.5	129.1	142.1	119.9	758.8
MAX	4350	2430	5300	5150	4670	4870	3340	440	204	268	613	5810
MIN	81	74	195	254	473	304	228	115	86	90	47	41
CFSM	0.77	0.33	2.05	1.96	2.33	2.63	1.59	0.25	0.17	0.19	0.16	0.99
IN.	0.89	0.37	2.37	2.27	2.43	3.04	1.77	0.28	0.19	0.21	0.18	1.10

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	173.6	411.9	1121	1955	2295	2410	2047	1007	353.0	413.9	196.1	215.9
MAX	1970	2518	6913	8286	6013	6396	11290	6567	2046	5315	1335	2520
(WY)	1976	1958	1962	1974	1983	1980	1979	1991	1997	1940	1946	1979
MIN	32.1	46.4	78.3	69.5	136	286	118	93.9	57.3	53.6	34.4	28.4
(WY)	1944	1964	1944	1956	2000	2000	1963	1988	1988	1956	1954	1954

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1928 - 2002	
ANNUAL TOTAL	378831		311563			
ANNUAL MEAN	1038		853.6		1044	
HIGHEST ANNUAL MEAN					2666	1983
LOWEST ANNUAL MEAN					248	1963
HIGHEST DAILY MEAN	7590	Mar 17	5810	Sep 27	110000	Apr 13 1979
LOWEST DAILY MEAN	67	Jul 30	41	Sep 15	23	Aug 26 1943
ANNUAL SEVEN-DAY MINIMUM	74	Nov 17	42	Sep 12	25	Aug 24 1943
MAXIMUM PEAK FLOW			5920	Sep 27	125000	Apr 13 1979
MAXIMUM PEAK STAGE			23.86	Sep 27	38.97	Apr 13 1979
INSTANTANEOUS LOW FLOW			40	Sep 15	22	Aug 25 1943
ANNUAL RUNOFF (CFSM)	1.35		1.11		1.36	
ANNUAL RUNOFF (INCHES)	18.35		15.09		18.47	
10 PERCENT EXCEEDS	3470		2950		3150	
50 PERCENT EXCEEDS	297		223		229	
90 PERCENT EXCEEDS	93		73		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 mi^2.

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 NGVD of 1929. Prior to Sept. 30, 1940, nonrecording gage at site of old highway bridge 1 mi downstream at datum 1.44 ft lower. July 26, 1944 to June 5, 1949, nonrecording gage at site on old river channel 1 mi south at same datum. June 6, 1949 to Sept. 30, 1984, at site on old river channel 1 mi south at same datum.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	111	216	4760	571	6130	593	3140	e300	130	340	151	92
2	106	202	2030	508	6420	540	4360	e340	132	235	126	90
3	104	195	1270	462	4350	505	3800	e320	174	164	133	88
4	105	188	1190	424	2630	466	3210	e305	176	177	135	84
5	102	176	923	399	2100	433	3080	e350	163	349	114	80
6	120	162	650	614	4060	407	2940	591	169	212	99	75
7	129	153	496	1120	7410	397	2270	1020	211	157	99	72
8	127	151	418	1080	7070	374	1260	e550	192	164	96	70
9	130	151	372	820	6010	367	1550	e230	180	151	88	e67
10	116	146	343	684	4620	376	2440	204	176	136	82	e65
11	206	e140	330	626	3580	382	2300	187	153	127	77	e67
12	6060	e135	326	570	3400	1720	2070	175	135	118	74	e63
13	4170	e130	2910	506	2930	5530	2160	164	129	175	71	e61
14	8480	e130	8870	454	1750	4670	2320	154	129	263	70	e59
15	9570	e132	10200	415	1090	2780	2160	148	120	198	68	e58
16	7620	e125	9390	383	884	3100	1500	147	121	272	75	e60
17	3120	e118	8240	357	768	5850	908	150	133	232	89	e61
18	1770	e112	7260	342	682	5850	689	166	116	237	72	e60
19	1820	e111	6180	1800	606	5520	616	152	105	195	492	e60
20	1630	e110	5190	4990	2050	5110	545	153	100	196	341	e62
21	1020	e109	4700	4410	3660	7060	474	276	96	162	185	66
22	676	109	3700	3480	2630	7380	411	449	92	172	119	74
23	538	110	2800	4450	1740	6570	365	328	93	138	103	122
24	451	113	4050	3970	1510	5590	348	227	89	172	97	119
25	383	256	2270	7630	1200	4400	e325	174	89	248	130	204
26	308	701	1600	8500	913	3460	e310	147	92	340	419	4760
27	277	408	1530	8200	749	3050	e295	134	95	191	767	8320
28	260	3500	1380	7790	655	2240	e280	126	102	189	357	8640
29	241	3420	1050	7300	---	1400	e280	124	109	198	174	7840
30	246	5510	807	6480	---	1080	e295	131	116	174	120	6330
31	238	---	662	5050	---	1240	---	140	---	177	101	---
TOTAL	50234	17219	95897	84385	81597	88440	46701	8062	3917	6259	5124	37869
MEAN	1620	574.0	3093	2722	2914	2853	1557	260.1	130.6	201.9	165.3	1262
MAX	9570	5510	10200	8500	7410	7380	4360	1020	211	349	767	8640
MIN	102	109	326	342	606	367	280	124	89	118	68	58
CFSM	1.48	0.52	2.82	2.48	2.66	2.60	1.42	0.24	0.12	0.18	0.15	1.15
IN.	1.70	0.58	3.25	2.86	2.77	3.00	1.58	0.27	0.13	0.21	0.17	1.28

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	280.8	598.1	1645	2965	3456	3413	3116	1374	582.8	618.8	307.9	322.6
MAX	2515	2958	9407	9782	9415	9230	17520	10340	2794	7432	2064	3067
(WY)	1976	1958	1962	1949	1983	1980	1979	1991	1997	1940	1946	1950
MIN	31.0	49.5	105	91.1	210	455	180	107	61.3	62.8	34.1	27.5
(WY)	1955	1955	1963	1956	2000	2000	1963	1965	1988	1952	1954	1954

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1939 - 2002	
ANNUAL TOTAL	578492		525704			
ANNUAL MEAN	1585		1440		1545	
HIGHEST ANNUAL MEAN					3967	1983
LOWEST ANNUAL MEAN					327	1963
HIGHEST DAILY MEAN	10200	Dec 15	10200	Dec 15	136000	Apr 14 1979
LOWEST DAILY MEAN	74	Jul 31	58	Sep 15	22	Sep 24 1954
ANNUAL SEVEN-DAY MINIMUM	79	Jul 26	60	Sep 13	23	Sep 23 1954
MAXIMUM PEAK FLOW			10400	Dec 15	156000	Apr 14 1979
MAXIMUM PEAK STAGE			32.82	Dec 15	48.58	Apr 14 1979
ANNUAL RUNOFF (CFSM)	1.44		1.31		1.41	
ANNUAL RUNOFF (INCHES)	19.62		17.83		19.14	
10 PERCENT EXCEEDS	5330		5070		4870	
50 PERCENT EXCEEDS	418		328		345	
90 PERCENT EXCEEDS	117		93		76	

e Estimated

02467200 SUCARNOOCHEE RIVER NEAR PORTERVILLE, MS

LOCATION.--Lat 32°×41′53″, Long 88°×29′06″, in NE 1/4 SE 1/4 sec. 19, T.20 N., R.18E., Choctaw Meridian, Kemper County, Hydrologic Unit 03160202, on right downstream end of the northbound bridge on U.S. Highway 45, 4.9 miles south of Electric Mills, MS.

DRAINAGE AREA.--135 mi^2.

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

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

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

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of April 13, 1979, reached a stage of approximately 22.10 ft, discharge, 27,800 ft^3/s.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 15	0245	2,100	18.08	Jan. 26	0200	1,700	17.59
Dec. 15	0230	2,350	18.30	Sep. 27	1645	*2,410	*18.35

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	43	70	438	131	540	146	204	70	75	68	39	27
2	42	70	247	126	662	150	170	66	55	58	72	28
3	42	68	185	121	361	149	140	63	46	52	47	26
4	42	66	152	116	284	137	127	64	43	63	38	26
5	42	64	132	113	240	130	118	77	41	60	34	25
6	46	62	119	172	630	127	112	76	39	55	30	24
7	80	60	112	224	1050	124	106	69	42	45	30	24
8	57	59	106	178	595	124	111	64	47	39	29	23
9	48	59	102	154	362	122	409	56	42	33	27	24
10	46	59	95	143	292	121	365	57	40	32	27	22
11	49	59	96	135	249	116	216	54	39	35	27	22
12	528	59	94	128	218	373	187	55	39	57	25	23
13	536	61	435	123	201	616	196	52	35	74	26	23
14	1460	58	1670	118	186	302	173	51	35	74	26	23
15	2000	58	2080	114	175	223	150	51	39	52	27	27
16	791	58	960	107	168	201	137	49	40	45	28	27
17	275	57	466	106	160	200	126	47	36	41	30	24
18	195	57	523	108	153	186	113	64	36	37	38	26
19	156	56	347	564	145	167	105	85	38	35	31	36
20	131	56	262	1200	401	206	100	60	35	32	32	33
21	115	61	214	647	471	965	94	53	37	29	33	30
22	105	60	189	432	266	732	89	50	35	32	29	51
23	99	58	287	531	211	337	88	49	35	38	28	92
24	92	61	478	511	188	259	85	46	46	37	30	66
25	93	73	296	1450	174	218	81	45	49	42	31	58
26	108	79	229	1460	169	194	76	44	43	56	38	837
27	88	83	197	569	162	181	72	43	51	57	43	1890
28	79	580	177	359	152	161	78	43	55	41	35	1770
29	75	454	164	297	---	149	78	44	70	37	30	403
30	73	788	150	259	---	144	73	48	65	34	28	211
31	71	---	138	229	---	154	---	69	---	33	26	---
TOTAL	7607	3513	11140	10925	8865	7414	4179	1764	1328	1423	1014	5921
MEAN	245.4	117.1	359.4	352.4	316.6	239.2	139.3	56.90	44.27	45.90	32.71	197.4
MAX	2000	788	2080	1460	1050	965	409	85	75	74	72	1890
MIN	42	56	94	106	145	116	72	43	35	29	25	22
CFSM	1.82	0.87	2.66	2.61	2.35	1.77	1.03	0.42	0.33	0.34	0.24	1.46
IN.	2.10	0.97	3.07	3.01	2.44	2.04	1.15	0.49	0.37	0.39	0.28	1.63

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	82.35	89.71	189.7	380.7	319.7	283.5	248.2	82.35	102.0	67.13	56.62	89.12
MAX	245	153	359	823	595	467	362	165	325	151	87.0	197
(WY)	2002	1998	2002	1998	1997	2001	1997	1997	1997	1997	1996	2002
MIN	24.2	47.9	72.0	91.0	85.7	112	129	44.8	34.1	25.6	26.8	20.6
(WY)	2001	2000	2000	2000	2000	2000	1999	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1996 - 2002	
ANNUAL TOTAL	68696		65093			
ANNUAL MEAN	188.2		178.3		164.9	
HIGHEST ANNUAL MEAN					227	1998
LOWEST ANNUAL MEAN					79.3	2000
HIGHEST DAILY MEAN	2080	Dec 15	2080	Dec 15	5710	Jan 8 1998
LOWEST DAILY MEAN	25	Jul 31	22	Sep 10	17	Sep 5 2000
ANNUAL SEVEN-DAY MINIMUM	27	Jul 25	23	Sep 8	17	Sep 29 2000
MAXIMUM PEAK FLOW			2410	Sep 27	7170	Jan 8 1998
MAXIMUM PEAK STAGE			18.35	Sep 27	19.93	Jan 8 1998
INSTANTANEOUS LOW FLOW			21	Sep 11	15	Oct 5 2000
ANNUAL RUNOFF (CFSM)	1.39		1.32		1.22	
ANNUAL RUNOFF (INCHES)	18.93		17.94		16.60	
10 PERCENT EXCEEDS	436		433		335	
50 PERCENT EXCEEDS	92		75		78	
90 PERCENT EXCEEDS	38		30		32	

02472000 LEAF RIVER NEAR COLLINS, MS

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

DRAINAGE AREA.--743 mi^2.

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

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 197.01 ft above NGVD of 1929. Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

REMARKS.--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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 16	1245	*10,000	*18.06	Sep. 29	0545	8,550	16.84

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	159	193	2830	464	2030	646	1330	317	255	216	492	116
2	151	190	2100	435	3110	802	1570	292	210	288	373	112
3	145	186	1030	413	3010	855	1150	269	190	321	579	109
4	140	181	659	393	1990	756	728	256	170	349	716	106
5	137	176	528	398	1260	665	583	250	158	325	638	102
6	198	171	457	1140	1830	610	502	241	150	279	358	99
7	177	168	413	1500	3230	574	456	231	148	221	257	101
8	156	166	381	1590	3460	552	1180	222	145	193	214	106
9	142	164	368	1170	2720	538	7130	212	456	183	189	108
10	138	163	353	834	1650	641	6040	203	295	164	173	102
11	160	161	335	679	1190	657	6530	198	219	169	170	97
12	294	160	322	707	1010	2480	4030	192	196	179	161	95
13	460	161	1150	828	889	4370	2280	185	170	558	152	92
14	2320	159	6990	711	802	4000	1410	181	153	581	149	92
15	2980	156	7270	607	734	3160	965	180	144	390	144	94
16	3740	154	9610	519	694	2340	793	173	137	338	141	97
17	2470	153	5910	466	651	2570	681	176	136	238	148	106
18	1730	153	3830	444	612	2490	595	223	134	204	153	99
19	776	153	3170	853	580	1420	531	235	130	198	160	96
20	459	153	2190	2350	2160	1040	483	206	127	277	165	94
21	374	153	1240	3640	3430	2270	443	190	124	174	163	109
22	326	155	898	3280	3110	2630	413	179	131	303	169	134
23	294	158	965	2540	2120	2280	394	171	152	843	159	142
24	273	176	1740	1700	1210	1280	381	165	160	436	163	158
25	253	204	1900	3670	928	836	360	162	164	395	161	442
26	234	205	1200	4510	810	982	337	160	149	312	150	3900
27	218	547	831	4710	738	1010	320	156	193	261	142	6240
28	208	5560	699	3250	678	850	308	153	378	208	131	6680
29	202	3370	616	2110	---	708	295	191	269	235	142	7670
30	198	3640	554	1380	---	617	324	284	214	509	130	3560
31	195	---	499	1130	---	717	---	331	---	604	121	---
TOTAL	19707	17489	61038	48421	46636	45346	42542	6584	5657	9951	7163	31058
MEAN	635.7	583.0	1969	1562	1666	1463	1418	212.4	188.6	321.0	231.1	1035
MAX	3740	5560	9610	4710	3460	4370	7130	331	456	843	716	7670
MIN	137	153	322	393	580	538	295	153	124	164	121	92
CFSM	0.86	0.78	2.65	2.10	2.24	1.97	1.91	0.29	0.25	0.43	0.31	1.39
IN.	0.99	0.88	3.06	2.42	2.33	2.27	2.13	0.33	0.28	0.50	0.36	1.55

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	290.0	581.3	1137	1831	2296	2315	2105	1055	442.2	494.7	328.2	304.4
MAX	1660	3674	6085	5792	7841	5649	7455	4750	1609	4373	980	1487
(WY)	1985	1994	1962	1962	1990	1980	1974	1991	1989	1940	1960	2001
MIN	55.5	89.7	177	233	192	385	217	119	98.3	64.2	57.9	51.1
(WY)	2001	1957	1953	1956	2000	1955	1963	1963	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1938 - 2002	
ANNUAL TOTAL	438672		341592			
ANNUAL MEAN	1202		935.9		1092	
HIGHEST ANNUAL MEAN					2291	1980
LOWEST ANNUAL MEAN					285	2000
HIGHEST DAILY MEAN	20900	Mar 4	9610	Dec 16	51000	Apr 14 1974
LOWEST DAILY MEAN	136	May 20	92	Sep 13	39	Sep 6 2000
ANNUAL SEVEN-DAY MINIMUM	151	May 24	96	Sep 10	41	Sep 1 2000
MAXIMUM PEAK FLOW			10000	Dec 16	54200	Apr 14 1974
MAXIMUM PEAK STAGE			18.06	Dec 16	32.60	Apr 14 1974
INSTANTANEOUS LOW FLOW			91	Sep 13,14,15	38	Sep 6 2000
ANNUAL RUNOFF (CFSM)	1.62		1.26		1.47	
ANNUAL RUNOFF (INCHES)	21.96		17.10		19.97	
10 PERCENT EXCEEDS	2980		2760		2730	
50 PERCENT EXCEEDS	459		335		363	
90 PERCENT EXCEEDS	163		142		115	

02472500 BOUIE CREEK NEAR HATTIESBURG, MS

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

DRAINAGE AREA.--304 mi^2.

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

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

GAGE.--Water-stage recorder. Datum of gage is 160.04 ft above NGVD of 1929 (levels by U. S. Army Corps of Engineers). Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Nov. 29 and Aug. 26-30. Records good except for estimated discharges, which are poor. Satellite telemeter at station.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 14	2030	*3,880	*12.15				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	141	197	1240	236	991	195	637	193	192	199	241	134
2	138	197	562	235	1000	399	451	188	169	226	236	133
3	138	197	379	233	549	542	335	182	155	196	229	131
4	138	197	309	232	385	340	287	177	148	180	220	128
5	138	196	275	246	319	255	261	173	144	176	206	126
6	237	189	255	807	707	228	247	172	142	176	213	123
7	336	185	245	703	1030	222	238	172	141	169	216	122
8	213	183	239	446	653	211	377	168	147	167	202	120
9	184	181	235	344	440	204	3220	165	197	168	203	119
10	180	180	236	304	354	210	2640	162	163	173	194	118
11	241	180	236	287	306	210	1250	159	164	225	180	116
12	1510	180	236	421	276	577	1040	157	154	305	212	115
13	2400	180	248	917	259	1140	624	156	144	264	225	112
14	2880	179	3000	586	244	709	512	154	140	257	258	110
15	1770	176	2980	396	232	416	405	153	138	211	214	111
16	757	174	1120	323	223	1170	347	153	137	199	210	112
17	403	174	698	289	217	669	309	153	138	192	205	113
18	310	174	897	277	210	379	283	165	140	190	194	116
19	272	174	669	1000	205	308	264	177	141	183	182	115
20	249	174	461	2410	440	315	250	174	141	180	180	114
21	233	174	373	1290	665	1490	240	161	153	182	194	115
22	223	174	329	869	465	974	230	153	148	210	178	117
23	216	176	316	715	315	474	225	150	143	288	170	129
24	214	196	334	560	254	345	221	148	145	286	164	137
25	208	241	323	1340	229	303	216	147	153	351	164	278
26	200	223	290	917	216	813	209	147	164	286	e220	2190
27	199	219	273	602	207	1450	204	146	189	269	e173	2860
28	196	691	262	438	198	638	200	146	306	226	e154	1630
29	197	e2650	256	367	---	403	199	189	274	202	e147	673
30	198	2120	248	329	---	333	194	190	215	197	e140	345
31	200	---	241	302	---	382	---	202	---	216	137	---
TOTAL	14919	10531	17765	18421	11589	16304	16115	5132	4925	6749	6061	10862
MEAN	481.3	351.0	573.1	594.2	413.9	525.9	537.2	165.5	164.2	217.7	195.5	362.1
MAX	2880	2650	3000	2410	1030	1490	3220	202	306	351	258	2860
MIN	138	174	235	232	198	195	194	146	137	167	137	110
CFSM	1.58	1.15	1.89	1.95	1.36	1.73	1.77	0.54	0.54	0.72	0.64	1.19
IN.	1.83	1.29	2.17	2.25	1.42	2.00	1.97	0.63	0.60	0.83	0.74	1.33

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	208.4	302.5	491.1	652.9	767.7	825.4	704.8	463.9	269.9	259.9	230.8	235.0
MAX	841	1343	1708	1867	3294	2216	3084	2219	734	1553	660	1082
(WY)	1986	1949	1962	1947	1961	1980	1974	1990	1997	1940	1949	1958
MIN	99.0	108	161	139	153	203	162	125	113	96.4	91.9	99.1
(WY)	2001	1957	2000	1957	2000	1955	1963	2000	2000	2000	2000	1954

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1938 - 2002	
ANNUAL TOTAL	208558		139373			
ANNUAL MEAN	571.4		381.8		449.4	
HIGHEST ANNUAL MEAN					868	1949
LOWEST ANNUAL MEAN					172	2000
HIGHEST DAILY MEAN	13200	Mar 4	3220	Apr 9	33500	Apr 14 1974
LOWEST DAILY MEAN	117	May 23	110	Sep 14	83	Aug 29 1957
ANNUAL SEVEN-DAY MINIMUM	119	May 18	113	Sep 11	84	Aug 24 1957
MAXIMUM PEAK FLOW			3880	Dec 14	45500	Apr 14 1974
MAXIMUM PEAK STAGE			12.15	Dec 14	28.18	Apr 14 1974
INSTANTANEOUS LOW FLOW			109	Sep 15	83	Aug 29 1957
ANNUAL RUNOFF (CFSM)	1.88		1.26		1.48	
ANNUAL RUNOFF (INCHES)	25.52		17.05		20.09	
10 PERCENT EXCEEDS	1330		732		863	
50 PERCENT EXCEEDS	224		216		227	
90 PERCENT EXCEEDS	137		141		132	

e Estimated

02472850 OKATOMA CREEK AT SANFORD, MS

LOCATION.--Lat 31°29'21", long 89°26'01", SW1/4 NE1/4 NE1/4 sec.18, T.6 N., R.14 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, near left bank on downstream side of bridge on State Highway 598, 0.3 mi west of Sanford, and 2.6 mi east from intersection of State Highway 598 and U.S. Highway 49, and 6.1 mi upstream from mouth.

DRAINAGE AREA.--257 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage is 183.33 ft above NGVD of 1929 (Mississippi Department of Transportation bench mark).

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

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

Date	Time	Discharge (ft^3)	Gage Height (ft)	Date	Time	Discharge (ft^3)	Gage Height (ft)
Dec. 14	1115	*3,660	*13.51	Sep. 26	1900	3,410	13.13
Apr. 9	0500	3,520	13.31				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	91	133	1450	218	1300	211	728	186	241	136	399	97
2	89	134	633	217	1140	461	542	167	159	142	299	96
3	89	133	366	212	810	467	375	157	131	145	269	95
4	89	131	294	208	533	307	284	151	118	151	311	93
5	94	128	248	247	446	247	248	150	112	121	197	91
6	230	131	227	901	1100	226	226	152	108	116	164	89
7	218	129	218	742	1290	218	214	144	110	110	142	89
8	134	129	209	482	952	211	756	138	119	109	156	95
9	113	130	201	360	650	210	3070	134	194	113	210	111
10	106	129	204	310	472	238	2050	130	243	103	116	106
11	169	129	194	289	396	233	1700	127	169	125	104	94
12	1270	129	190	552	347	1000	1530	123	130	148	103	89
13	1230	127	755	787	316	1570	1040	118	115	189	113	86
14	2030	127	3170	478	288	1200	612	117	116	156	134	86
15	1410	126	2060	350	266	1040	425	117	142	145	122	87
16	1200	124	1580	294	251	1090	354	114	111	126	114	101
17	592	123	1220	268	236	469	308	118	107	147	124	153
18	270	122	1100	263	220	389	275	142	105	126	116	120
19	218	122	810	1220	209	322	251	183	103	108	107	102
20	194	122	521	1570	721	501	234	144	104	106	186	95
21	179	119	377	1360	974	1580	217	123	104	100	156	92
22	170	119	322	1540	865	899	204	115	98	114	119	155
23	164	125	339	1040	552	458	197	111	99	126	109	246
24	160	153	414	830	312	341	200	110	105	161	103	354
25	152	198	368	1460	264	293	194	108	110	206	114	777
26	144	164	295	1220	243	961	186	106	114	167	252	2720
27	138	157	271	1070	226	876	178	104	154	129	187	2910
28	134	2080	256	840	211	485	173	109	362	108	155	2490
29	133	2850	247	527	---	352	171	155	232	100	119	2070
30	133	2340	237	474	---	300	237	197	159	148	106	1380
31	133	---	225	436	---	436	---	344	---	286	100	---
TOTAL	11476	10863	19001	20765	15590	17591	17179	4394	4274	4267	5006	15169
MEAN	370.2	362.1	612.9	669.8	556.8	567.5	572.6	141.7	142.5	137.6	161.5	505.6
MAX	2030	2850	3170	1570	1300	1580	3070	344	362	286	399	2910
MIN	89	119	190	208	209	210	171	104	98	100	100	86
CFSM	1.44	1.41	2.38	2.61	2.17	2.21	2.23	0.55	0.55	0.54	0.63	1.97
IN.	1.66	1.57	2.75	3.01	2.26	2.55	2.49	0.64	0.62	0.62	0.72	2.20

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	201.5	226.9	363.2	593.3	498.2	833.1	595.3	236.6	228.8	149.5	142.6	231.3
MAX	370	362	613	1520	830	1664	1384	718	545	282	254	652
(WY)	2002	2002	2002	1998	1998	2001	1997	1997	1997	1997	2001	2001
MIN	68.8	122	165	300	150	316	151	98.8	87.7	62.5	65.7	73.4
(WY)	2001	2000	2000	2000	2000	2000	2001	2001	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1995 - 2002	
ANNUAL TOTAL	168173		145575			
ANNUAL MEAN	460.7		398.8		357.7	
HIGHEST ANNUAL MEAN					484	1998
LOWEST ANNUAL MEAN					187	2000
HIGHEST DAILY MEAN	10900	Mar 4	3170	Dec 14	10900	Mar 4 2001
LOWEST DAILY MEAN	82	May 20	86	Sep 13	52	Jul 17 2000
ANNUAL SEVEN-DAY MINIMUM	87	May 16	93	Sep 2	55	Jul 13 2000
MAXIMUM PEAK FLOW			3660	Dec 14	11500	Mar 4 2001
MAXIMUM PEAK STAGE			13.51	Dec 14	23.65	Mar 4 2001
INSTANTANEOUS LOW FLOW			84	Sep 13,14	50	Jul 17 2000
ANNUAL RUNOFF (CFSM)	1.79		1.55		1.39	
ANNUAL RUNOFF (INCHES)	24.34		21.07		18.91	
10 PERCENT EXCEEDS	1050		1090		798	
50 PERCENT EXCEEDS	180		194		174	
90 PERCENT EXCEEDS	96		105		93	

02473000 LEAF RIVER AT HATTIESBURG, MS

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

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

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 118.23 ft above NGVD of 1929 (levels by U. S. Army Corps of Engineers). Prior to Jan. 15, 1939, nonrecording gage at same site and datum. Jan. 15, 1939 to Apr. 14, 1981, recording gage in concrete house on left bank 450 ft downstream from U.S. Highway 11.

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

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

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 14	1015	12,200	12.57	Apr. 10	0115	13,900	13.70
Dec. 15	0800	*14,000	*13.82	Sep. 27	0800	13,400	13.40

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	619	691	7930	1410	4000	1550	2940	1020	1310	892	1730	512
2	602	685	5300	1360	6160	2060	3220	950	999	1230	1520	500
3	588	677	3470	1320	5510	2620	2960	873	805	1380	1180	491
4	577	662	2290	1280	4360	2290	2440	824	713	1060	1350	480
5	582	645	1760	1360	3070	1840	1920	794	655	1010	1530	470
6	763	628	1500	2840	3330	1620	1680	791	624	936	1370	461
7	1250	613	1350	3670	5740	1510	1530	772	597	844	1040	465
8	1020	608	1270	3210	5980	1450	1700	745	610	736	848	481
9	781	603	1190	2840	5220	1400	10000	718	824	734	1020	484
10	682	593	1150	2420	3890	1420	13500	696	1050	710	809	494
11	749	587	1130	2020	2820	1530	11200	677	980	648	712	476
12	3440	584	1090	2100	2460	2210	10200	662	791	792	754	449
13	4810	579	1580	3280	2190	7180	6890	648	700	830	689	432
14	11000	579	10800	2840	1980	7540	4480	630	636	1280	683	420
15	8330	572	13700	2280	1820	6380	3090	624	601	1290	661	426
16	6460	568	11300	1890	1710	6240	2410	624	594	1180	632	466
17	5470	562	10900	1660	1630	4990	2030	630	563	1000	628	484
18	3590	558	9490	1540	1550	4130	1760	656	551	841	652	532
19	2690	558	6430	2080	1490	3640	1570	736	547	718	616	494
20	1760	566	5000	7560	2000	2860	1430	806	572	652	601	466
21	1340	553	3540	6420	5010	6340	1320	722	585	807	703	478
22	1170	546	2620	7080	5430	6480	1220	667	548	771	656	504
23	1070	585	2350	6840	4510	4960	1130	639	545	1180	616	608
24	987	626	2520	4880	3050	3670	1100	623	598	1640	578	718
25	915	829	2940	5620	2330	2660	1070	608	615	1460	574	1590
26	850	857	2860	7440	1950	3010	1010	599	704	1450	660	8390
27	792	791	2310	7020	1760	5520	970	589	790	1300	851	13200
28	745	2570	1920	6570	1620	3580	934	592	1020	1010	730	11900
29	720	10300	1740	4490	---	2630	904	896	1440	797	633	10300
30	706	10500	1610	3230	---	2260	916	1120	1100	903	576	9590
31	698	---	1500	2650	---	2220	---	1330	---	1810	539	---
TOTAL	65756	40275	124540	111200	92570	107790	97524	23261	22667	31891	26141	66761
MEAN	2121	1342	4017	3587	3306	3477	3251	750.4	755.6	1029	843.3	2225
MAX	11000	10500	13700	7560	6160	7540	13500	1330	1440	1810	1730	13200
MIN	577	546	1090	1280	1490	1400	904	589	545	648	539	420
CFSM	1.21	0.77	2.30	2.05	1.89	1.99	1.86	0.43	0.43	0.59	0.48	1.27
IN.	1.40	0.86	2.65	2.37	1.97	2.29	2.08	0.50	0.48	0.68	0.56	1.42

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	999.3	1596	2875	4121	4970	5211	4651	2789	1441	1433	1144	1119
MAX	3187	6985	11840	11620	15550	10910	16810	11520	3958	10260	3644	4275
(WY)	1986	1949	1962	1990	1961	1943	1980	1991	1989	1940	1992	1979
MIN	319	456	720	797	656	1221	825	544	451	327	342	321
(WY)	2001	1955	2000	1957	2000	1955	1963	1963	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1938 - 2002	
ANNUAL TOTAL	1063134		810376			
ANNUAL MEAN	2913		2220		2684	
HIGHEST ANNUAL MEAN					5121	1980
LOWEST ANNUAL MEAN					851	2000
HIGHEST DAILY MEAN	44500	Mar 5	13700	Dec 15	110000	Apr 15 1974
LOWEST DAILY MEAN	493	May 22	420	Sep 14	247	Sep 6 2000
ANNUAL SEVEN-DAY MINIMUM	531	May 17	450	Sep 11	260	Sep 1 2000
MAXIMUM PEAK FLOW			14000	Dec 15	121000	Apr 15 1974
MAXIMUM PEAK STAGE			13.82	Dec 15	34.03	Apr 15 1974
INSTANTANEOUS LOW FLOW			417	Sep 14,15	240	Sep 6 2000
ANNUAL RUNOFF (CFSM)	1.67		1.27		1.54	
ANNUAL RUNOFF (INCHES)	22.63		17.25		20.86	
10 PERCENT EXCEEDS	6680		6050		6190	
50 PERCENT EXCEEDS	1340		1130		1290	
90 PERCENT EXCEEDS	603		572		555	

02473000 LEAF RIVER AT HATTIESBURG, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.59	1.72	9.47	2.70	5.91	2.86	4.86	2.38	2.66	2.00	3.25	1.33
2	1.55	1.71	7.27	2.63	8.04	3.52	5.26	2.27	2.19	2.53	2.95	1.30
3	1.53	1.70	5.50	2.58	7.47	4.33	4.93	2.14	1.87	2.75	2.47	1.29
4	1.51	1.67	3.97	2.52	6.40	3.82	4.04	2.05	1.71	2.27	2.72	1.26
5	1.52	1.64	3.26	2.63	5.03	3.24	3.35	1.99	1.61	2.20	2.98	1.24
6	1.84	1.60	2.89	4.67	5.29	2.96	3.03	1.98	1.55	2.07	2.76	1.22
7	2.63	1.58	2.68	5.72	7.67	2.81	2.83	1.94	1.50	1.92	2.26	1.23
8	2.27	1.57	2.54	5.24	7.88	2.72	3.06	1.88	1.52	1.73	1.95	1.27
9	1.88	1.56	2.42	4.75	7.21	2.65	10.88	1.83	1.90	1.73	2.22	1.27
10	1.70	1.54	2.34	4.02	5.94	2.67	13.48	1.78	2.28	1.69	1.88	1.29
11	1.81	1.53	2.29	3.51	4.68	2.83	11.87	1.74	2.15	1.58	1.71	1.25
12	5.29	1.52	2.24	3.60	4.05	3.75	11.18	1.71	1.84	1.84	1.78	1.20
13	6.80	1.51	2.91	5.29	3.69	8.86	8.61	1.67	1.68	1.91	1.67	1.16
14	11.70	1.51	11.53	4.72	3.43	9.17	6.52	1.63	1.56	2.60	1.66	1.14
15	9.79	1.50	13.57	3.83	3.23	8.22	5.11	1.62	1.49	2.63	1.62	1.15
16	8.29	1.49	11.96	3.34	3.09	8.09	4.34	1.61	1.48	2.46	1.56	1.23
17	7.43	1.48	11.70	3.03	2.98	7.00	3.88	1.61	1.42	2.19	1.55	1.27
18	5.64	1.47	10.64	2.88	2.87	6.19	3.54	1.66	1.40	1.92	1.60	1.37
19	4.58	1.47	8.26	3.57	2.78	5.69	3.27	1.79	1.39	1.71	1.53	1.29
20	3.33	1.48	7.00	9.18	3.49	4.69	3.07	1.91	1.44	1.59	1.50	1.23
21	2.76	1.46	5.58	8.26	7.00	8.16	2.92	1.76	1.46	1.86	1.69	1.26
22	2.51	1.45	4.37	8.80	7.40	8.31	2.76	1.65	1.39	1.80	1.61	1.31
23	2.36	1.52	3.92	8.60	6.55	6.97	2.62	1.59	1.37	2.44	1.53	1.52
24	2.22	1.60	4.20	6.89	4.98	5.72	2.56	1.55	1.48	3.12	1.46	1.72
25	2.11	1.96	4.93	7.54	3.87	4.40	2.50	1.53	1.51	2.88	1.45	3.02
26	2.00	2.01	4.78	9.09	3.39	4.79	2.42	1.51	1.67	2.86	1.61	9.60
27	1.90	1.90	3.88	8.76	3.13	7.48	2.34	1.49	1.82	2.65	1.95	13.24
28	1.82	4.03	3.39	8.38	2.96	5.61	2.27	1.49	2.20	2.20	1.74	12.33
29	1.77	11.24	3.15	6.53	---	4.33	2.22	2.03	2.84	1.85	1.56	11.21
30	1.75	11.39	2.98	5.25	---	3.77	2.23	2.39	2.34	2.01	1.45	10.72
31	1.73	---	2.83	4.39	---	3.72	---	2.69	---	3.34	1.38	---
MEAN	3.41	2.33	5.43	5.25	5.01	5.14	4.73	1.83	1.76	2.20	1.90	3.03
MAX	11.70	11.39	13.57	9.18	8.04	9.17	13.48	2.69	2.84	3.34	3.25	13.24
MIN	1.51	1.45	2.24	2.52	2.78	2.65	2.22	1.49	1.37	1.58	1.38	1.14

02473460 TALLAHALA CREEK AT WALDRUP, MS

LOCATION.--Lat 31°57'58", long 89°06'54", in SW1/4 NW1/4 SW1/4 sec.31, T.2 N., R.12 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170005, near right bank on downstream side of bridge on State Highway 528, 0.8 mi west of Waldrup, 11.6 mi east of Bay Springs, and 91.0 mi upstream from mouth.

DRAINAGE AREA.--102 mi^2.

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 290.00 ft above NGVD of 1929. Prior to October 1979, at datum 290.00 ft lower. October 1979 to September 1980, non-recording gage and crest-stage gage at same site and datum.

REMARKS.--No estimated daily discharge. Records good. Satellite telemeter at station. Statistics shown below are for water years 1980 to the current year, except for instantaneous extremes, which are shown for the entire period of record at the present datum.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 14	0746	3,090	18.49	Mar. 13	0231	2,360	17.99
Nov. 28	1816	2,420	18.04	Apr. 9	2246	2,910	18.38
Dec. 15	0000	3,490	18.72	Sep. 27	1316	*3,940	*18.96

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.7	19	1040	87	570	90	329	28	40	16	50	4.9
2	8.9	18	244	85	715	136	167	23	23	82	25	4.8
3	8.5	18	151	83	265	139	114	21	18	81	17	5.1
4	8.1	18	121	78	177	105	95	19	15	25	12	4.7
5	7.9	16	104	83	145	92	83	18	13	19	10	4.4
6	14	16	95	507	503	87	76	17	11	14	9.1	3.7
7	21	15	90	597	1020	84	72	15	10	14	9.3	3.3
8	15	14	86	301	491	82	220	14	9.6	16	7.6	3.2
9	12	15	82	185	226	89	2120	12	9.6	12	6.2	3.5
10	9.7	16	79	148	173	199	2200	10	10	12	6.4	3.9
11	71	14	77	128	147	116	595	11	9.4	12	5.6	3.5
12	926	14	74	139	128	901	224	10	12	13	5.1	3.8
13	575	13	456	211	116	2200	179	8.6	14	13	5.2	3.7
14	2480	13	2570	161	107	1180	134	8.4	11	31	5.0	3.7
15	1340	14	2570	124	100	266	109	8.4	9.5	21	4.9	3.7
16	186	13	848	105	96	200	94	7.3	8.0	15	5.7	4.9
17	75	13	425	96	91	171	80	7.3	6.9	15	12	5.9
18	55	13	1020	94	86	138	69	11	7.4	15	12	8.4
19	46	13	482	256	83	122	61	15	6.8	11	8.0	6.4
20	40	13	213	1310	670	142	54	11	10	7.8	6.6	5.2
21	35	14	156	1470	1290	629	49	8.9	11	6.4	9.8	4.9
22	32	13	134	1140	404	628	45	7.7	7.1	11	15	10
23	30	14	260	606	167	205	43	6.5	7.1	102	14	13
24	28	22	544	492	131	144	42	5.9	12	41	10	11
25	26	48	244	1560	114	122	38	5.4	13	32	7.9	34
26	23	28	158	1450	107	153	33	5.0	12	19	9.5	790
27	21	115	132	451	100	182	31	4.8	11	13	11	3110
28	20	1730	118	223	92	132	29	5.2	23	10	11	1800
29	19	2040	110	185	---	110	38	15	24	8.4	6.6	256
30	19	2080	100	163	---	100	39	47	18	10	5.3	61
31	19	---	92	146	---	150	---	125	---	234	6.0	---
TOTAL	6180.8	6402	12875	12664	8314	9094	7462	511.4	392.4	931.6	328.8	6180.6
MEAN	199.4	213.4	415.3	408.5	296.9	293.4	248.7	16.50	13.08	30.05	10.61	206.0
MAX	2480	2080	2570	1560	1290	2200	2200	125	40	234	50	3110
MIN	7.9	13	74	78	83	82	29	4.8	6.8	6.4	4.9	3.2
CFSM	1.95	2.09	4.07	4.01	2.91	2.88	2.44	0.16	0.13	0.29	0.10	2.02
IN.	2.25	2.33	4.70	4.62	3.03	3.32	2.72	0.19	0.14	0.34	0.12	2.25

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1980 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	51.22	119.3	185.1	338.5	375.8	378.7	279.8	117.2	54.94	59.92	28.45	53.79
MAX	294	367	710	1090	1119	880	737	739	221	429	165	504
(WY)	1986	1987	1983	1998	1990	1980	1991	1991	1983	1989	1982	2001
MIN	1.79	6.79	11.4	30.5	14.9	131	35.8	5.97	2.90	2.10	2.76	2.78
(WY)	2001	1982	2000	1981	2000	1982	1986	2000	1988	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1980 - 2002	
ANNUAL TOTAL	87788.7		71336.6			
ANNUAL MEAN	240.5		195.4		169.2	
HIGHEST ANNUAL MEAN					301	1983
LOWEST ANNUAL MEAN					43.2	2000
HIGHEST DAILY MEAN	5240	Sep 3	3110	Sep 27	10900	Feb 16 1990
LOWEST DAILY MEAN	3.8	Jul 25	3.2	Sep 8	1.3	Jul 23 2000
ANNUAL SEVEN-DAY MINIMUM	4.5	Jul 20	3.6	Sep 6	1.3	Aug 21 2000
MAXIMUM PEAK FLOW			3940	Sep 27	17900	Apr 13 1974
MAXIMUM PEAK STAGE			18.96	Sep 27	23.18	Apr 13 1974
INSTANTANEOUS LOW FLOW			2.8	Sep 8	1.3	Aug 21 2000
ANNUAL RUNOFF (CFSM)	2.36		1.92		1.66	
ANNUAL RUNOFF (INCHES)	32.02		26.02		22.53	
10 PERCENT EXCEEDS	720		522		402	
50 PERCENT EXCEEDS	40		31		29	
90 PERCENT EXCEEDS	8.1		6.5		5.6	

02473500 TALLAHALA CREEK AT LAUREL, MS

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

DRAINAGE AREA.--238 mi^2.

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

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

GAGE.--Water-stage recorder. Datum of gage is 201.37 ft above NGVD of 1929 (Mississippi Department of Transportation bench mark). Prior to Dec. 14, 1938, nonrecording gage at same site and datum.

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

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

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 18	0330	*2,800	*13.52				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	62	1280	174	670	192	453	153	223	111	57	16
2	35	58	1890	161	969	240	501	122	178	160	192	14
3	33	56	2070	156	1020	340	393	83	95	196	92	13
4	33	52	1670	149	965	323	244	69	64	244	55	13
5	29	50	562	174	576	252	186	69	49	174	42	13
6	82	49	293	487	575	205	152	66	40	90	36	12
7	79	47	228	725	834	184	130	56	36	60	30	12
8	67	44	194	771	916	171	177	50	35	47	40	12
9	51	41	171	736	953	161	659	45	30	41	34	10
10	44	38	156	448	888	155	943	41	27	51	35	11
11	61	38	143	318	479	224	1020	37	31	45	24	11
12	136	38	135	364	361	414	1360	33	33	50	21	11
13	873	40	386	478	307	891	1880	32	30	60	19	10
14	1940	35	1410	454	269	1070	1390	32	25	78	18	9.9
15	1540	35	1440	385	243	1330	460	31	24	56	17	9.0
16	1420	35	1470	312	219	1740	329	28	26	49	21	8.7
17	1720	33	2230	280	205	1860	262	28	24	65	21	9.6
18	1680	33	2650	261	189	1060	215	28	23	48	19	9.9
19	541	34	2070	538	175	437	181	28	22	40	17	10
20	260	34	1520	1050	361	403	153	32	21	35	16	9.6
21	195	34	1080	1060	753	905	133	33	20	31	19	12
22	156	32	508	1140	864	1010	120	33	20	40	21	11
23	135	33	401	1480	930	990	109	29	19	40	19	15
24	117	55	456	1910	872	833	104	26	26	173	16	17
25	104	62	563	2060	386	424	98	23	24	179	20	124
26	94	79	566	1740	278	450	93	20	26	225	22	695
27	82	102	358	1350	237	554	85	19	29	203	22	1050
28	74	170	279	1290	211	456	75	20	30	86	22	984
29	68	774	243	1400	---	325	74	123	36	63	21	1000
30	66	1130	217	881	---	247	80	320	80	60	19	1160
31	63	---	194	448	---	297	---	293	---	70	18	---
TOTAL	11815	3323	26833	23180	15705	18143	12059	2002	1346	2870	1025	5292.7
MEAN	381.1	110.8	865.6	747.7	560.9	585.3	402.0	64.58	44.87	92.58	33.06	176.4
MAX	1940	1130	2650	2060	1020	1860	1880	320	223	244	192	1160
MIN	29	32	135	149	175	155	74	19	19	31	16	8.7
CFSM	1.60	0.47	3.64	3.14	2.36	2.46	1.69	0.27	0.19	0.39	0.14	0.74
IN.	1.85	0.52	4.19	3.62	2.45	2.84	1.88	0.31	0.21	0.45	0.16	0.83

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	66.23	163.6	384.5	593.1	736.0	802.2	675.7	326.1	126.2	126.8	75.37	75.99
MAX	433	1386	1967	2286	2478	1741	2366	1868	604	1604	378	847
(WY)	1986	1949	1962	1947	1961	1980	1980	1953	1997	1940	1944	2001
MIN	3.07	6.17	30.9	29.9	53.6	86.4	53.9	15.4	8.77	10.3	9.11	5.69
(WY)	1964	1957	1957	1957	2000	1957	1963	1963	1988	2000	2000	1954

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1938 - 2002	
ANNUAL TOTAL	168821		123593.7			
ANNUAL MEAN	462.5		338.6		344.0	
HIGHEST ANNUAL MEAN					726	1980
LOWEST ANNUAL MEAN					104	2000
HIGHEST DAILY MEAN	7790	Mar 5	2650	Dec 18	18400	Apr 14 1974
LOWEST DAILY MEAN	18	Jul 11	8.7	Sep 16	1.8	Oct 31 1963
ANNUAL SEVEN-DAY MINIMUM	21	May 18	9.5	Sep 14	2.0	Oct 26 1963
MAXIMUM PEAK FLOW			2800	Dec 18	23300	Apr 14 1974
MAXIMUM PEAK STAGE			13.52	Dec 18	23.28	Apr 14 1974
INSTANTANEOUS LOW FLOW			7.9	Sep 16	1.8	Nov 3 1952
ANNUAL RUNOFF (CFSM)	1.94		1.42		1.45	
ANNUAL RUNOFF (INCHES)	26.39		19.32		19.64	
10 PERCENT EXCEEDS	1280		1050		944	
50 PERCENT EXCEEDS	150		109		95	
90 PERCENT EXCEEDS	29		19		14	

02474500 TALLAHALA CREEK NEAR RUNNELSTOWN, MS

LOCATION.--Lat 31°19'58", long 89°06'44", in SE1/4 SE1/4 SE1/4 sec.5, T.4 N., R.11 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, on right bank at downstream side of bridge on county highway between Sunrise and Runnelstown, 3.0 mi south of Runnelstown, and 9 mi upstream from mouth.

DRAINAGE AREA.--612 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage is 104.58 ft above NGVD of 1929. Prior to Oct. 1, 1971, at datum 5.00 ft higher.

REMARKS.--Estimated daily discharges: Oct. 1, Nov. 28-30, Dec. 1-3, Jul. 21-24, and Sept. 22-24. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

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

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 14	0615	*5,280	*15.48	Dec. 14	1100	5,210	15.39

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e130	197	e2232	520	1660	536	1490	269	648	149	270	53
2	126	193	e2800	475	2520	692	1290	282	454	342	315	50
3	122	188	e3200	461	2460	850	1150	314	343	527	282	50
4	117	182	3230	457	2160	853	892	248	255	501	279	46
5	109	174	2610	463	1830	729	719	226	200	459	227	42
6	134	168	1200	1330	1690	605	587	244	169	581	199	41
7	329	164	714	1720	2470	531	508	220	149	385	174	40
8	261	161	590	1640	2420	492	499	200	135	242	152	43
9	214	157	514	1520	2210	469	2440	185	127	224	321	41
10	171	154	458	1290	2030	480	2850	174	123	245	480	38
11	158	150	415	913	1620	457	2610	164	116	220	168	36
12	888	146	392	840	1060	783	2580	153	109	198	119	34
13	1730	143	459	1440	864	1820	2830	144	106	216	85	33
14	4930	142	4460	1320	764	2160	3200	138	106	225	72	32
15	4240	142	4400	1040	697	2290	2740	133	101	433	64	33
16	3510	140	3830	822	647	2450	1170	129	94	341	61	35
17	2890	136	3540	674	601	2830	839	127	89	245	58	36
18	2400	135	4060	591	565	3040	705	132	89	264	56	35
19	2120	133	4540	720	535	2000	604	134	85	225	55	34
20	1060	131	4490	2970	825	1100	527	126	85	184	53	33
21	609	130	3450	3040	1490	2580	476	122	108	e179	59	38
22	476	129	2010	2640	1710	2580	423	131	95	e182	55	e43
23	398	129	1190	3320	1750	2320	386	128	85	e190	53	e46
24	351	137	1170	3370	1720	2000	360	124	85	e204	61	e49
25	312	177	1120	3680	1370	1590	343	117	87	278	56	195
26	278	271	1200	4010	813	1330	320	112	103	515	54	2250
27	252	222	1100	3680	647	1970	299	107	120	456	68	3620
28	238	e280	797	2980	576	1580	282	101	195	481	77	3350
29	225	e1400	669	2630	---	1160	263	126	150	300	71	2760
30	214	e1766	607	2490	---	902	252	432	125	217	66	2110
31	206	---	574	1710	---	875	---	681	---	300	59	---
TOTAL	29198	7777	62021	54756	39704	44054	33634	5923	4736	9508	4169	15246
MEAN	941.9	259.2	2001	1766	1418	1421	1121	191.1	157.9	306.7	134.5	508.2
MAX	4930	1770	4540	4010	2520	3040	3200	681	648	581	480	3620
MIN	109	129	392	457	535	457	252	101	85	149	53	32
CFSM	1.54	0.42	3.27	2.89	2.32	2.32	1.83	0.31	0.26	0.50	0.22	0.83
IN.	1.77	0.47	3.77	3.33	2.41	2.68	2.04	0.36	0.29	0.58	0.25	0.93

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	230.6	462.0	1028	1540	1855	2020	1732	964.7	391.5	418.9	263.9	268.2
MAX	942	2635	4400	5061	5750	4429	6595	4728	1578	4294	933	1314
(WY)	2002	1949	1962	1998	1961	2001	1980	1991	1997	1940	1944	2001
MIN	29.2	39.4	97.1	131	197	343	162	77.1	61.8	37.6	44.6	34.3
(WY)	2001	1964	1955	1957	2000	1957	1963	1963	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1940 - 2002	
ANNUAL TOTAL	410622		310726			
ANNUAL MEAN	1125		851.3		922.7	
HIGHEST ANNUAL MEAN					1949	1949
LOWEST ANNUAL MEAN					279	2000
HIGHEST DAILY MEAN	13600	Mar 7	4930	Oct 14	29600	Feb 25 1961
LOWEST DAILY MEAN	74	May 23	32	Sep 14	22	Oct 26 2000
ANNUAL SEVEN-DAY MINIMUM	79	May 19	34	Sep 12	24	Oct 24 2000
MAXIMUM PEAK FLOW			5280	Oct 14	32800	Feb 24 1961
MAXIMUM PEAK STAGE			15.48	Oct 14	30.07	Feb 24 1961
INSTANTANEOUS LOW FLOW			32	Sep 13,14,15,19,20	22	Oct 25 2000
ANNUAL RUNOFF (CFSM)	1.84		1.39		1.51	
ANNUAL RUNOFF (INCHES)	24.96		18.89		20.48	
10 PERCENT EXCEEDS	3160		2590		2500	
50 PERCENT EXCEEDS	448		341		346	
90 PERCENT EXCEEDS	131		63		74	

e Estimated

02474560 LEAF RIVER NEAR NEW AUGUSTA, MS

LOCATION.--Lat 31°13'18", long 89°03'02", in NE1/4 SW1/4 sec.13, T.3 N., R.11 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, on left bank at downstream abutment of bridge on State Highway 29, 4.2 mi downstream from Tallahala Creek and 1.4 mi north of courthouse in New Augusta, and at mile 43.6.

DRAINAGE AREA.--2,542 mi^2.

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 72.00 ft above NGVD of 1929.

REMARKS.--Estimated daily discharges: Oct. 11-16, 26-29, Nov. 7-12, and Jul. 26-30. Records good except for estimated daily discharges, which are poor. Telemeter and satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Floods of February 1961 and April 1974 reached stage of 35.3 ft, discharge, 112,000 ft^3/s.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 16	0045	*16,900	*16.84				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	962	1280	11800	2150	4540	2310	4280	1450	2070	1260	2050	777
2	945	1260	9210	2060	8100	2820	4900	1500	1730	1450	1980	761
3	932	1240	7270	1990	8370	3560	4610	1450	1360	1900	1670	759
4	924	1210	6050	1930	7300	3580	3920	1340	1150	1770	1520	738
5	921	1180	4950	1940	5770	2970	3020	1260	1010	1550	1710	730
6	1020	1140	3370	3740	4960	2530	2550	1250	941	1610	1770	719
7	1450	e1120	2440	5530	7200	2280	2290	1230	884	1430	1460	719
8	1680	e1090	2160	5310	8400	2150	2230	1170	855	1160	1180	743
9	1370	e1070	1980	4780	7880	2070	7550	1120	982	1040	1070	747
10	1190	e1050	1850	4100	6620	2060	14100	1080	1170	1090	1610	738
11	e1110	e1040	1760	3290	5160	2050	14700	1050	1240	1010	1100	733
12	e2300	e1030	1690	2930	3890	2680	12800	1010	1090	975	1210	711
13	e4200	1020	1770	4310	3270	6590	11400	1000	954	1150	1050	696
14	e7200	1010	9540	4860	2920	9510	8420	985	886	1190	921	685
15	e12800	1010	16000	3760	2680	8850	6770	944	832	1750	890	691
16	e11700	995	16400	3060	2490	8060	4370	923	812	1650	864	706
17	9730	987	14700	2610	2350	8160	3360	917	795	1390	847	738
18	7770	972	14600	2340	2230	7290	2890	974	772	1270	845	766
19	5900	960	12500	2440	2110	6260	2570	972	769	1120	847	775
20	4110	957	10100	7630	2480	4580	2330	1040	775	996	821	734
21	2740	948	8100	10300	4880	7490	2150	1030	801	979	825	769
22	2320	940	5510	9270	7090	9670	2000	975	804	1030	926	828
23	2100	987	4020	10400	6720	8000	1860	933	766	1040	884	952
24	1930	1070	3640	9460	5610	6410	1770	901	785	1680	827	937
25	1800	1220	4160	8710	4330	5090	1710	884	827	1720	828	1780
26	e1680	1380	4410	10700	3240	4390	1640	874	888	e2200	865	7980
27	e1560	1320	3890	11000	2720	6960	1560	859	1220	e2100	1010	14600
28	e1450	1510	3080	10100	2460	6470	1490	853	1400	e1980	1020	15200
29	e1370	7080	2700	8360	---	4550	1440	1010	1580	e1550	944	13600
30	1330	12200	2470	6470	---	3630	1390	1720	1630	e1220	857	12300
31	1300	---	2290	5090	---	3220	---	1980	---	1770	808	---
TOTAL	97794	50276	194410	170620	135770	156240	136070	34684	31778	44030	35209	83612
MEAN	3155	1676	6271	5504	4849	5040	4536	1119	1059	1420	1136	2787
MAX	12800	12200	16400	11000	8400	9670	14700	1980	2070	2200	2050	15200
MIN	921	940	1690	1930	2110	2050	1390	853	766	975	808	685
CFSM	1.24	0.66	2.47	2.17	1.91	1.98	1.78	0.44	0.42	0.56	0.45	1.10
IN.	1.43	0.74	2.85	2.50	1.99	2.29	1.99	0.51	0.47	0.64	0.52	1.22

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1575	2542	3465	6661	6813	7382	4806	3827	2421	1979	1457	1477
MAX	3904	6466	7355	16280	21510	14800	9662	18250	6190	6709	2516	4851
(WY)	1985	1994	1987	1998	1990	2001	1991	1991	1997	1993	1985	2001
MIN	400	676	1026	2037	974	2179	1624	695	526	439	442	413
(WY)	2001	2000	2000	2000	2000	2000	1986	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1984 - 2002	
ANNUAL TOTAL	1538619		1170493			
ANNUAL MEAN	4215		3207		3705	
HIGHEST ANNUAL MEAN					6332	1990
LOWEST ANNUAL MEAN					1195	2000
HIGHEST DAILY MEAN	49000	Mar 6	16400	Dec 16	74000	Feb 20 1990
LOWEST DAILY MEAN	772	May 23	685	Sep 14	360	Aug 23 2000
ANNUAL SEVEN-DAY MINIMUM	820	May 18	709	Sep 10	366	Aug 20 2000
MAXIMUM PEAK FLOW			16900	Dec 16	74700	May 15 1990
MAXIMUM PEAK STAGE			16.84	Dec 16	30.71	May 15 1990
INSTANTANEOUS LOW FLOW			680	Sep 14,15,16	353	Oct 19 2000
ANNUAL RUNOFF (CFSM)	1.66		1.26		1.46	
ANNUAL RUNOFF (INCHES)	22.52		17.13		19.80	
10 PERCENT EXCEEDS	9880		8240		8820	
50 PERCENT EXCEEDS	2070		1710		1880	
90 PERCENT EXCEEDS	986		828		804	

e Estimated

02474560 LEAF RIVER NEAR NEW AUGUSTA, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.82	2.96	13.10	4.19	6.91	4.15	6.39	3.17	3.91	2.68	3.79	1.83
2	2.76	2.93	11.11	4.08	10.20	4.77	7.04	3.23	3.44	2.97	3.70	1.80
3	2.72	2.90	9.49	3.99	10.43	5.62	6.74	3.16	2.90	3.61	3.27	1.80
4	2.68	2.85	8.39	3.90	9.52	5.64	6.01	2.99	2.58	3.42	3.04	1.76
5	2.65	2.80	7.33	3.91	8.13	4.95	5.01	2.86	2.35	3.11	3.31	1.74
6	2.79	2.75	5.66	6.05	7.35	4.42	4.44	2.84	2.22	3.20	3.40	1.72
7	3.43	---	4.57	7.91	9.42	4.11	4.12	2.80	2.12	2.93	2.96	1.72
8	3.75	---	4.21	7.69	10.46	3.94	4.03	2.71	2.07	2.52	2.52	1.77
9	3.27	---	3.97	7.17	10.02	3.84	9.47	2.63	2.28	2.33	2.34	1.78
10	2.97	---	3.79	6.46	8.92	3.82	14.77	2.56	2.60	2.40	3.17	1.76
11	---	---	3.67	5.57	7.55	3.80	15.20	2.50	2.71	2.27	2.39	1.75
12	---	---	3.57	5.16	6.24	4.59	13.86	2.43	2.44	2.21	2.56	1.71
13	---	2.54	3.68	6.67	5.56	8.74	12.86	2.41	2.22	2.50	2.30	1.68
14	---	2.52	11.12	7.25	5.15	11.37	10.47	2.38	2.11	2.56	2.09	1.66
15	---	2.53	16.13	6.11	4.86	10.83	9.04	2.30	2.01	3.39	2.03	1.67
16	---	2.51	16.46	5.32	4.64	10.18	6.74	2.26	1.96	3.25	1.99	1.70
17	11.54	2.49	15.24	4.78	4.45	10.26	5.66	2.25	1.93	2.87	1.96	1.76
18	9.92	2.47	15.15	4.45	4.30	9.52	5.12	2.34	1.89	2.67	1.95	1.81
19	8.25	2.45	13.64	4.56	4.15	8.52	4.73	2.34	1.88	2.44	1.96	1.83
20	6.46	2.44	11.85	9.67	4.60	6.72	4.42	2.44	1.89	2.23	1.91	1.75
21	4.93	2.42	10.20	11.99	7.22	9.58	4.19	2.43	1.93	2.21	1.92	1.82
22	4.41	2.41	7.88	11.18	9.34	11.49	3.98	2.33	1.94	2.29	2.10	1.92
23	4.13	2.49	6.38	12.04	8.99	10.12	3.79	2.25	1.86	2.30	2.02	2.14
24	3.91	2.63	5.97	11.32	7.82	8.68	3.65	2.19	1.90	3.28	1.92	2.11
25	3.72	2.87	6.53	10.72	6.45	7.26	3.57	2.16	1.97	3.35	1.92	3.33
26	---	3.11	6.79	12.33	5.26	6.51	3.47	2.14	2.07	---	1.99	9.81
27	---	3.02	6.25	12.54	4.65	9.17	3.34	2.11	2.61	---	2.23	15.15
28	---	3.32	5.34	11.83	4.33	8.71	3.24	2.10	2.90	---	2.26	15.54
29	---	9.21	4.89	10.42	---	6.67	3.15	2.35	3.16	---	2.13	14.31
30	3.03	13.43	4.61	8.78	---	5.69	3.09	3.43	3.24	---	1.98	13.21
31	3.00	---	4.38	7.47	---	5.24	---	3.80	---	3.39	1.89	---
MEAN	---	---	8.11	7.60	7.03	7.06	6.39	2.58	2.37	---	2.42	3.81
MAX	---	---	16.46	12.54	10.46	11.49	15.20	3.80	3.91	---	3.79	15.54
MIN	---	---	3.57	3.90	4.15	3.80	3.09	2.10	1.86	---	1.89	1.66

02474600 BOGUE HOMO NEAR RICHTON, MS

LOCATION.--Lat 31°24′13", long 89°01′18", in NW1/4 NE1/4 NW1/4 sec.17, T.5 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, near right bank at downstream side of bridge on county highway, 0.5 mi upstream from Linda Creek, 1.0 mi downstream from Sweetwater Creek, 3.5 mi upstream from State Highway 42, and 6.0 mi northwest of Richton.

DRAINAGE AREA.--344 mi^2.

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

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

GAGE.--Water-stage recorder. Elevation of gage is 117 ft above NGVD of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Apr. 21 - May 9. Records good except estimated daily discharges, which are poor. Flow slightly regulated by Lake Bogue Homo, 36 mi upstream. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood prior to January 1941, reached a stage of 26 1/2 ft and the flood of Mar. 21, 1943, reached a stage of 25.7 ft at site 3.5 mi downstream at different datum (from information by U. S. Army Corps of Engineers). A discharge of 4.7 ft^3/s was measured Oct. 16, 1963.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 15	0300	*4,090	*11.00				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	57	710	413	847	249	963	e100	105	29	78	8.0
2	29	54	829	383	1150	403	961	e90	133	113	136	8.0
3	26	53	1050	372	1110	605	811	e65	111	77	81	8.3
4	23	53	1100	355	1080	564	735	e55	68	166	61	8.2
5	24	54	886	375	1090	528	621	e55	48	154	56	7.4
6	44	57	397	1180	1290	439	449	e53	38	87	45	7.2
7	56	56	192	1520	1610	336	336	e45	30	58	42	7.6
8	75	55	148	1260	1350	283	285	e42	27	47	38	8.3
9	108	45	130	1200	1170	265	1250	e35	24	61	29	7.5
10	99	40	115	1220	1150	261	1430	29	23	38	21	6.5
11	79	36	108	1080	1060	253	1140	27	21	31	17	6.4
12	332	36	95	824	722	530	1160	25	20	28	16	6.2
13	1110	38	144	1200	503	1190	1130	23	19	27	16	6.1
14	3030	38	2410	1070	416	1010	882	23	19	24	14	6.2
15	3540	41	3460	969	366	914	614	22	18	22	13	6.2
16	3300	39	2760	946	325	1030	423	21	17	24	12	6.4
17	2980	39	3250	777	299	1130	311	21	17	23	13	6.8
18	2350	42	3250	553	278	912	241	28	16	22	16	8.8
19	1640	40	2700	650	260	598	198	24	15	21	13	8.1
20	845	38	2050	1650	526	620	157	21	16	18	11	6.9
21	283	35	1530	1690	989	2030	e125	20	18	19	9.6	7.0
22	190	34	1190	1740	825	1860	e108	28	16	21	11	12
23	153	41	858	2130	797	1280	e95	24	17	22	13	9.7
24	129	52	805	2520	830	1240	e90	21	22	28	11	8.1
25	112	51	823	2530	633	1250	e85	20	20	31	20	74
26	98	43	805	2410	392	1310	e80	19	22	26	19	1270
27	95	74	775	2220	314	1250	e70	17	28	22	13	1550
28	86	167	632	2020	279	984	e62	17	34	23	10	1000
29	76	291	526	1720	---	881	e58	23	28	21	9.2	749
30	69	640	475	1420	---	809	e65	41	30	21	8.9	843
31	62	---	443	1030	---	675	---	114	---	48	8.2	---
TOTAL	21075	2339	34646	39427	21661	25689	14935	1148	1020	1352	860.9	5667.9
MEAN	679.8	77.97	1118	1272	773.6	828.7	497.8	37.03	34.00	43.61	27.77	188.9
MAX	3540	640	3460	2530	1610	2030	1430	114	133	166	136	1550
MIN	23	34	95	355	260	249	58	17	15	18	8.2	6.1
MED	99	44	805	1200	811	809	324	25	22	27	16	8.0
CFSM	1.98	0.23	3.25	3.70	2.25	2.41	1.45	0.11	0.10	0.13	0.08	0.55
IN.	2.28	0.25	3.75	4.26	2.34	2.78	1.62	0.12	0.11	0.15	0.09	0.61

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	150.2	234.7	590.9	1042	993.9	1097	876.1	502.6	194.3	131.6	92.64	161.7
MAX	881	1284	2118	2848	2545	2690	2799	2359	877	682	537	1115
(WY)	1976	1987	1974	1998	1990	2001	1980	1991	1997	1989	1975	1974
MIN	4.93	12.8	26.0	87.5	59.3	295	93.7	17.5	11.4	6.51	6.71	4.78
(WY)	2001	1982	1988	1981	2000	1986	1986	2001	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1971 - 2002	
ANNUAL TOTAL	214460.8		169820.8			
ANNUAL MEAN	587.6		465.3		503.4	
HIGHEST ANNUAL MEAN					911	1974
LOWEST ANNUAL MEAN					102	2000
HIGHEST DAILY MEAN	12000	Mar 4	3540	Oct 15	19900	Dec 28 1973
LOWEST DAILY MEAN	9.8	May 26	6.1	Sep 13	3.3	Nov 1 2000
ANNUAL SEVEN-DAY MINIMUM	11	May 22	6.3	Sep 10	3.4	Oct 27 2000
MAXIMUM PEAK FLOW			4090	Dec 15	21900	Dec 28 1973
MAXIMUM PEAK STAGE			11.00	Dec 15	27.63	Dec 28 1973
INSTANTANEOUS LOW FLOW			6.10	Sep 12,13,14,15	3.3	Oct 25 2000
ANNUAL RUNOFF (CFSM)	1.71		1.35		1.46	
ANNUAL RUNOFF (INCHES)	23.19		18.36		19.88	
10 PERCENT EXCEEDS	1620		1260		1400	
50 PERCENT EXCEEDS	124		86		142	
90 PERCENT EXCEEDS	27		13		17	

e Estimated

02475000 LEAF RIVER NEAR McLAIN, MS

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

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

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

GAGE.--Water-stage recorder. Datum of gage is 42.15 ft above NGVD of 1929. Prior to Sept. 8, 1940, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Jan. 16-22, Mar. 8-12, and Sept. 1-22. Records good except for estimated daily discharges. 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 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1210	1470	15500	2840	7230	3020	5970	1870	2760	1930	2470	e926
2	1170	1430	14700	2690	9360	4060	7580	1930	2630	1900	2530	e910
3	1120	1380	11800	2570	11900	5270	7220	1940	2220	2390	2420	e908
4	1090	1320	9880	2480	11400	5440	6350	1900	1860	2610	2040	e887
5	1060	1270	8450	2430	9730	4740	5160	1760	1550	2360	2030	e879
6	1060	1220	6360	5300	8820	3940	4060	1680	1350	2190	2310	e868
7	1230	1200	3850	8940	10700	3400	3400	1720	1240	2090	2110	e870
8	1790	1160	2900	9300	12600	e3040	3020	1630	1170	1760	1740	e892
9	1680	1150	2530	8160	12400	e3000	6770	1550	1150	1470	1460	e896
10	1480	1130	2310	7260	11100	e2980	15500	1460	1400	1450	1630	e887
11	1350	1100	2150	6200	9400	e2970	19100	1400	1550	1390	1750	e882
12	1570	1080	2040	5130	7280	e4600	19600	1350	1510	1260	1400	e860
13	5980	1060	2010	6180	5480	8630	18100	1310	1300	1300	1420	e845
14	17300	1040	7430	8170	4540	12900	15700	1300	1180	1460	1250	e834
15	21700	1040	18300	6910	3980	13500	12100	1240	1110	1810	1140	e840
16	22400	1030	21800	e5490	3650	12300	8860	1200	1050	2200	1110	e855
17	20900	1010	22800	e7400	3360	11900	5900	1180	1030	2030	1080	e887
18	17600	998	23000	e11600	3160	11300	4710	1200	1000	1690	1040	e915
19	13300	988	22600	e14400	2980	9880	3960	1220	983	1520	1030	e924
20	9460	975	19800	e13600	3440	7910	3470	1240	979	1370	1000	e883
21	5250	964	15700	e14800	5730	13900	3120	1290	1000	1190	972	e918
22	3350	952	11300	e13400	9120	17000	2850	1240	1030	1360	1030	e940
23	2750	997	7490	14400	9740	15600	2640	1180	1010	1310	1110	1020
24	2430	1300	5550	15500	8850	12400	2460	1150	994	1490	1010	1090
25	2190	2310	5430	14900	7080	9970	2340	1110	1040	2140	962	1750
26	1990	1730	5880	15200	5190	8520	2250	1080	1110	2210	1030	10400
27	1820	1630	5780	16500	3880	10800	2150	1060	1430	2440	1040	19800
28	1690	1610	4790	16300	3300	11900	2050	1050	1720	2280	1240	21000
29	1590	3830	3910	14900	---	8970	1970	1200	1930	2000	1140	20400
30	1510	12100	3430	12000	---	6470	1900	1870	2160	1640	1040	18600
31	1470	---	3080	9590	---	5360	---	2790	---	1780	957	---
TOTAL	170490	50474	292550	294540	205400	255670	200260	45100	42446	56020	44491	113566
MEAN	5500	1682	9437	9501	7336	8247	6675	1455	1415	1807	1435	3786
MAX	22400	12100	23000	16500	12600	17000	19600	2790	2760	2610	2530	21000
MIN	1060	952	2010	2430	2980	2970	1900	1050	979	1190	957	834
MED	1790	1160	6360	8940	7260	8520	4380	1300	1210	1780	1140	902
CFSM	1.57	0.48	2.70	2.72	2.10	2.36	1.91	0.42	0.40	0.52	0.41	1.08
IN.	1.81	0.54	3.11	3.14	2.19	2.72	2.13	0.48	0.45	0.60	0.47	1.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1940 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1786	2857	5803	8315	10070	10980	9526	5831	2804	2761	2081	2160
MAX	6282	13580	25930	23680	30530	24300	39220	25390	9260	19680	5920	7901
(WY)	1976	1949	1962	1998	1961	1948	1980	1991	1959	1940	1949	1979
MIN	458	604	879	1343	1255	2362	1461	871	703	546	543	470
(WY)	2001	1964	1955	1956	2000	1955	1963	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1940 - 2002	
ANNUAL TOTAL	2273578		1771007			
ANNUAL MEAN	6229		4852		5391	
HIGHEST ANNUAL MEAN					11060	1949
LOWEST ANNUAL MEAN					1514	2000
HIGHEST DAILY MEAN	64400	Mar 7	23000	Dec 18	126000	Feb 26 1961
LOWEST DAILY MEAN	872	May 23	834	Sep 14	401	Nov 2 2000
ANNUAL SEVEN-DAY MINIMUM	926	May 19	858	Sep 10	405	Oct 29 2000
MAXIMUM PEAK FLOW			23000	Dec 18	128000	Feb 26 1961
MAXIMUM PEAK STAGE			17.97	Dec 18	31.64	Feb 26 1961
INSTANTANEOUS LOW FLOW			940a	Nov 23	397	Nov 3 2000
ANNUAL RUNOFF (CFSM)	1.78		1.39		1.54	
ANNUAL RUNOFF (INCHES)	24.20		18.85		20.96	
10 PERCENT EXCEEDS	17400		13500		13500	
50 PERCENT EXCEEDS	2750		2150		2520	
90 PERCENT EXCEEDS	1090		1000		915	

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

02475500 CHUNKY RIVER NEAR CHUNKY, MS

LOCATION.--Lat 32°19'34", long 88°54'33", in NW1/4 NE1/4 NW1/4 sec.31, T.6 N., R.14 E., Choctaw Meridian, Lauderdale County Hydrologic Unit 03170001, on right bank at downstream side of bridge on U.S. Highway 80, 2,500 ft upstream from Illinois Central and Gulf Railroad bridge, 1.2 mi east of Chunky, 3.2 mi upstream from Tallahatta Creek, and 5.5 mi downstream from Concobona Creek.

DRAINAGE AREA.--369 mi^2.

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

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

GAGE.--Water-stage recorder. Datum of gage is 269.00 ft above NGVD of 1929. Prior to Mar. 24, 1939, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Aug. 7-8. Records good except for estimated daily discharges, which are poor. Satellite telemeter and National Weather Service telemeter at station.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 15	1715	*6,870	*14.15	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	90	1250	321	1270	293	1080	119	269	97	85	35
2	51	86	601	303	1850	312	857	113	155	80	68	32
3	48	87	380	292	1310	359	530	104	108	69	57	32
4	46	84	293	277	740	319	425	100	84	71	51	33
5	45	80	243	269	588	277	367	99	70	63	45	32
6	151	77	211	610	1010	259	327	119	63	65	41	32
7	297	74	193	1090	2040	249	301	116	64	67	e36	31
8	146	72	182	808	1900	241	337	94	64	58	e32	30
9	99	71	172	559	1110	239	2030	80	50	47	28	28
10	78	68	165	462	723	275	2670	73	43	42	25	27
11	68	67	157	411	597	294	2280	68	42	41	23	26
12	994	68	151	377	516	760	944	64	55	51	22	24
13	1470	68	971	353	466	1960	695	60	57	141	21	25
14	3010	67	3530	329	423	1820	613	57	52	90	20	25
15	2930	66	5940	305	392	1020	499	58	44	69	19	23
16	1660	65	5090	283	367	1160	430	59	39	61	20	23
17	520	62	2300	267	344	1360	381	61	36	77	26	23
18	372	62	1630	267	322	1150	331	77	33	66	36	24
19	302	61	1330	441	306	578	292	144	32	53	46	26
20	253	60	762	1900	847	495	260	134	31	45	43	42
21	219	60	579	2010	1560	1960	235	94	30	40	39	46
22	190	62	493	1670	1040	2460	215	73	28	38	40	55
23	170	63	894	1410	578	1780	195	62	33	55	38	121
24	155	69	1760	1200	460	778	183	55	34	107	35	90
25	140	89	1350	2550	405	584	170	51	33	96	39	133
26	127	121	704	3350	368	503	158	47	41	63	41	1390
27	116	113	545	3230	345	490	143	45	40	63	59	2400
28	108	724	470	1540	313	443	138	44	40	56	51	2530
29	100	1120	426	821	---	395	133	44	72	48	45	1720
30	96	1400	387	680	---	363	126	76	106	51	46	572
31	92	---	347	590	---	461	---	392	---	52	40	---
TOTAL	14107	5256	33506	28975	22190	23637	17345	2782	1848	2022	1217	9630
MEAN	455.1	175.2	1081	934.7	792.5	762.5	578.2	89.74	61.60	65.23	39.26	321.0
MAX	3010	1400	5940	3350	2040	2460	2670	392	269	141	85	2530
MIN	45	60	151	267	306	239	126	44	28	38	19	23
CFSM	1.23	0.47	2.93	2.53	2.15	2.07	1.57	0.24	0.17	0.18	0.11	0.87
IN.	1.42	0.53	3.38	2.92	2.24	2.38	1.75	0.28	0.19	0.20	0.12	0.97

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	101.3	267.3	535.9	859.8	1064	1117	952.6	441.9	189.6	209.7	116.3	98.95
MAX	589	1854	2741	2608	3449	2890	2850	2072	617	1671	725	751
(WY)	1978	1949	1962	1998	1990	1980	1979	1991	1983	1940	1975	1979
MIN	3.45	16.8	74.0	143	83.0	185	113	41.5	18.3	6.48	9.21	3.08
(WY)	2001	1964	1939	1956	2000	1955	1967	1963	1988	2000	2000	1954

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1938 - 2002	
ANNUAL TOTAL	181648		162515			
ANNUAL MEAN	497.7		445.2		493.2	
HIGHEST ANNUAL MEAN					1028	1983
LOWEST ANNUAL MEAN					118	2000
HIGHEST DAILY MEAN	7690	Mar 4	5940	Dec 15	26400	Mar 4 1979
LOWEST DAILY MEAN	21	Jul 20	19	Aug 15	0.99	Sep 11 2000
ANNUAL SEVEN-DAY MINIMUM	28	Jul 28	21	Aug 10	1.1	Sep 5 2000
MAXIMUM PEAK FLOW			6870	Dec 15	40900	Mar 4 1979
MAXIMUM PEAK STAGE			14.15	Dec 15	26.64	Mar 4 1979
INSTANTANEOUS LOW FLOW			19	Aug 13,14,15,16	0.99	Sep 9 2000
ANNUAL RUNOFF (CFSM)	1.35		1.21		1.34	
ANNUAL RUNOFF (INCHES)	18.31		16.38		18.16	
10 PERCENT EXCEEDS	1280		1350		1240	
50 PERCENT EXCEEDS	210		127		156	
90 PERCENT EXCEEDS	45		35		24	

e Estimated

02476500 SOWASHEE CREEK AT MERIDIAN, MS

LOCATION.--Lat 32°22'03", long 88°40'39", 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 NGVD of 1929. From Oct. 20, 1950 to Nov 13, 1959, at Highway 80 and 11 0.4 mi upstream at datum 8.95 ft higher. From Nov. 13, 1959 to Dec. 13, 1990, at Highway 39 and 19 0.1 mi upstream at datum 5.95 ft higher. From Dec. 13, 1990, to Nov. 19, 1992, at Highway 80 and 11 0.4 mi upstream at datum 5.95 ft higher.

REMARKS.--Estimated daily discharges: Oct. 20-24, Dec. 26-28, Jan. 26-29, and Jun. 20-22. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

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

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

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Oct. 13	2045	1,750	7.31	Jan. 25	0600	1,630	7.17
Nov. 28	0015	*5,420	*10.28	Mar. 12	1315	1,420	6.91
Dec. 14	1115	1,820	7.39	Mar. 21	0515	1,420	6.91
Dec. 17	1500	1,310	6.76	Sep. 26	1230	1,900	7.48

DISCHARGE, CUBUC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.4	12	161	48	518	44	63	15	15	9.0	7.3	1.1
2	6.2	10	105	47	158	58	50	13	11	6.7	5.1	1.2
3	5.8	9.1	81	44	113	48	45	11	10	5.5	7.3	1.1
4	5.6	8.2	64	41	93	41	41	14	9.1	6.2	4.5	1.0
5	9.8	8.5	53	45	81	40	39	16	7.9	4.8	5.1	1.0
6	53	8.4	46	144	553	39	35	14	6.7	4.0	5.1	0.94
7	14	8.6	42	91	254	39	34	11	6.4	3.5	3.1	0.90
8	8.7	9.9	39	68	142	39	122	9.9	6.4	3.1	2.6	0.80
9	6.5	12	34	63	111	40	242	9.3	6.0	2.7	2.3	0.79
10	6.3	12	34	59	92	39	83	9.0	5.5	2.4	2.1	0.83
11	25	11	32	54	78	35	68	9.3	4.6	4.4	1.9	0.83
12	91	11	29	53	71	906	83	8.6	4.0	45	1.9	0.89
13	578	10	806	48	66	332	67	8.4	3.4	54	1.8	0.90
14	1050	9.1	1440	45	59	150	81	8.6	4.8	14	1.8	0.93
15	187	11	313	41	55	110	58	7.9	3.6	8.6	1.8	0.91
16	97	9.6	176	39	52	94	50	8.1	2.4	8.6	2.4	0.90
17	69	11	793	39	48	80	43	15	2.4	9.2	2.3	0.98
18	51	12	354	45	46	69	38	17	2.8	6.3	1.8	0.95
19	47	13	166	369	46	63	35	11	2.7	5.5	1.6	0.96
20	e42	11	112	207	355	435	30	9.3	e2.3	4.7	1.6	4.3
21	e38	13	90	751	106	895	27	8.4	e2.5	85	1.5	5.3
22	e31	10	76	220	74	188	25	8.6	e4.4	33	1.7	2.8
23	e27	11	533	265	63	123	24	8.3	26	9.7	1.4	1.7
24	e21	32	171	527	55	98	22	7.8	27	61	1.3	1.4
25	14	26	103	1140	51	84	21	7.2	9.5	30	1.6	448
26	16	16	e85	e280	50	83	20	7.1	6.1	22	1.3	1440
27	11	426	e71	e218	46	70	20	6.7	15	8.2	1.3	508
28	11	2590	e62	e170	44	62	18	7.2	16	5.5	1.2	131
29	9.5	702	58	e140	---	56	16	23	47	29	1.2	82
30	8.3	467	51	100	---	52	15	46	17	25	1.1	62
31	9.6	---	49	89	---	65	---	21	---	25	1.1	---
TOTAL	2555.7	4500.4	6229	5490	3480	4477	1515	376.7	287.5	541.6	78.1	2704.41
MEAN	82.44	150.0	200.9	177.1	124.3	144.4	50.50	12.15	9.583	17.47	2.519	90.15
MAX	1050	2590	1440	1140	553	906	242	46	47	85	7.3	1440
MIN	5.6	8.2	29	39	44	35	15	6.7	2.3	2.4	1.1	0.79
CFSM	1.58	2.88	3.86	3.40	2.39	2.77	0.97	0.23	0.18	0.34	0.05	1.73
IN.	1.82	3.21	4.45	3.92	2.48	3.20	1.08	0.27	0.21	0.39	0.06	1.93

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	20.09	30.23	78.25	110.7	136.5	162.9	122.2	54.53	31.66	30.69	18.70	18.03
MAX	147	150	448	393	464	438	505	234	197	252	92.7	157
(WY)	1990	2002	1962	1993	1961	1976	1964	1980	1989	1958	1982	1979
MIN	0.55	1.03	5.63	7.07	11.1	26.2	6.09	5.95	3.27	0.96	0.74	0.48
(WY)	1955	1957	1955	1956	2000	2000	1986	1999	1988	2000	1954	1954

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1951 - 2002	
ANNUAL TOTAL	32388.9		32235.41			
ANNUAL MEAN	88.74		88.32		67.54	
HIGHEST ANNUAL MEAN					130	1989
LOWEST ANNUAL MEAN					14.0	2000
HIGHEST DAILY MEAN	2590	Nov 28	2590	Nov 28	5770	Apr 6 1964
LOWEST DAILY MEAN	2.6	Aug 3	0.79	Sep 9	0.17	Jul 15 2000
ANNUAL SEVEN-DAY MINIMUM	3.7	Jul 29	0.85	Sep 7	0.17	Aug 31 2000
MAXIMUM PEAK FLOW			5420	Nov 28	9530	Apr 6 1964
MAXIMUM PEAK STAGE			10.28	Nov 28	32.04	Mar 28 1951
INSTANTANEOUS LOW FLOW			0.69	Sep 8	0.16	Jul 26 2000
ANNUAL RUNOFF (CFSM)	1.70		1.70		1.30	
ANNUAL RUNOFF (INCHES)	23.13		23.02		17.61	
10 PERCENT EXCEEDS	205		173		137	
50 PERCENT EXCEEDS	30		24		18	
90 PERCENT EXCEEDS	6.5		1.8		2.3	

e Estimated

02476600 OKATIBBEE CREEK AT ARUNDEL, MS

LOCATION.--Lat 32°15'54", long 88°45'13", in SE1/4 SE1/4 SW1/4 sec.3, T.5 N., R.15 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, on right bank, about 500 ft downstream from Hognose Creek, about 200 ft upstream from bridge on county road, 0.6 mi southeast of Arundel, and at mi l6.3.

DRAINAGE AREA.--342 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage is 259.04 ft above NGVD of 1929 (U. S. Army Corps of Engineers bench mark) Prior to Apr. 17, 1975, supplementary water-stage recorder at bridge 400 ft downstream at same datum.

REMARKS.--Estimated daily discharges: Dec. 8, Jan. 16, Feb. 6, 7, 26, 27, Mar. 22-25, Apr. 25,26, Aug. 11-15, 21, 28-31, and Sept. 1, 2, 5-11, 13-20. Records good except for estimated daily discharges, which are poor. Flow from 154 mi^2 above the station, 21.3 mi upstream,regulated by Okatibbee Lake since November 1968. Telemeter, satellite telemeter, and U.S. Army Corps of Engineers radio telemeter at station.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	150	243	1320	930	1830	372	537	132	86	76	80	e46
2	143	192	1100	757	1580	428	363	119	77	67	68	e46
3	138	154	1170	680	1460	403	298	107	74	76	66	48
4	116	147	1180	634	1430	343	271	112	68	81	78	46
5	88	140	1150	535	1360	298	252	129	58	61	60	e44
6	352	138	872	826	e1750	265	242	112	56	58	68	e45
7	140	133	664	755	e1400	256	229	103	58	60	58	e44
8	95	131	e620	705	1280	253	539	96	55	61	52	e44
9	82	152	588	906	1430	269	1100	92	53	55	53	e44
10	77	174	385	929	1480	276	658	90	54	56	51	e44
11	102	171	431	708	1460	244	504	88	53	145	e50	e42
12	573	173	465	556	1430	1610	528	89	52	152	e50	46
13	979	169	1610	468	1400	1800	507	88	51	275	e50	e41
14	2960	169	4140	440	1360	980	466	85	57	94	e50	e41
15	1680	168	2870	412	1160	798	396	81	52	73	e50	e40
16	868	167	1310	e300	995	867	315	80	50	68	51	e39
17	998	164	1610	296	802	746	242	107	50	86	52	e39
18	1110	164	1630	299	715	490	211	139	50	67	49	e38
19	1090	162	1340	751	682	466	197	95	50	62	49	e37
20	1080	247	1460	1170	1280	736	183	86	52	58	49	e47
21	1050	288	1490	1600	945	2380	173	82	52	164	e48	252
22	1040	287	1360	921	766	e1600	167	79	51	155	51	60
23	1020	286	1490	1300	925	e950	161	83	71	83	51	54
24	880	359	1320	1560	933	e600	153	80	87	120	49	45
25	792	369	1160	3360	890	e900	e180	78	61	230	72	913
26	761	311	1370	2020	e600	836	e155	76	56	204	59	2620
27	748	509	1430	1450	e425	671	146	73	100	79	47	2140
28	736	5380	1410	1610	411	591	146	72	110	68	e47	606
29	726	3260	1390	1570	---	559	138	77	161	93	e47	293
30	530	2480	1290	1530	---	543	133	176	148	121	e47	287
31	296	---	1040	1450	---	516	---	106	---	130	e47	---
TOTAL	21400	16887	40665	31428	32179	22046	9590	3012	2053	3178	1699	8131
MEAN	690.3	562.9	1312	1014	1149	711.2	319.7	97.16	68.43	102.5	54.81	271.0
MAX	2960	5380	4140	3360	1830	2380	1100	176	161	275	80	2620
MIN	77	131	385	296	411	244	133	72	50	55	47	37
CFSM	2.02	1.65	3.84	2.96	3.36	2.08	0.93	0.28	0.20	0.30	0.16	0.79
IN.	2.33	1.84	4.42	3.42	3.50	2.40	1.04	0.33	0.22	0.35	0.18	0.88

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1969 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	145.1	296.6	540.7	807.5	998.0	1070	909.5	504.5	265.0	218.2	160.0	179.0
MAX	690	942	1569	2314	3160	2295	2359	1977	1275	1003	408	820
(WY)	2002	1993	1983	1998	1990	1979	1980	1991	1983	1989	1975	2001
MIN	31.2	33.4	82.0	118	86.0	145	124	84.6	42.8	52.3	37.4	47.3
(WY)	1970	1979	1988	1988	2000	2000	1986	1999	1970	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1969 - 2002	
ANNUAL TOTAL	216892		192268			
ANNUAL MEAN	594.2		526.8		505.2	
HIGHEST ANNUAL MEAN					1022	1983
LOWEST ANNUAL MEAN					123	2000
HIGHEST DAILY MEAN	5380	Nov 28	5380	Nov 28	18700	Feb 16 1990
LOWEST DAILY MEAN	76	Aug 4	37	Sep 19	19	Nov 9 1981
ANNUAL SEVEN-DAY MINIMUM	83	Jul 14	39	Sep 13	22	Nov 13 1981
MAXIMUM PEAK FLOW			6750	Nov 28	22800	Feb 16 1990
MAXIMUM PEAK STAGE			18.74	Nov 28	22.65	Feb 16 1990
ANNUAL RUNOFF (CFSM)	1.74		1.54		1.48	
ANNUAL RUNOFF (INCHES)	23.59		20.91		20.07	
10 PERCENT EXCEEDS	1310		1430		1340	
50 PERCENT EXCEEDS	285		197		197	
90 PERCENT EXCEEDS	102		50		59	

e Estimated

02476600 OKATIBBEE CREEK AT ARUNDEL, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.39	5.05	10.05	8.23	12.37	5.75	6.48	4.26	3.78	3.57	3.54	---
2	4.32	4.70	9.04	7.45	11.19	5.97	5.73	4.14	3.68	3.44	3.37	---
3	4.29	4.42	9.36	7.11	10.63	5.87	5.41	4.02	3.63	3.51	3.34	3.13
4	4.08	4.36	9.42	6.90	10.50	5.62	5.26	4.06	3.54	3.59	3.49	3.11
5	3.78	4.30	9.28	6.45	10.20	5.38	5.14	4.23	3.40	3.33	3.25	---
6	5.52	4.28	7.98	7.76	---	5.19	5.08	4.07	3.36	3.28	3.38	---
7	4.29	4.24	7.04	7.45	---	5.14	5.00	3.98	3.38	3.30	3.22	---
8	3.85	4.22	---	7.23	9.87	5.12	6.47	3.90	3.35	3.30	3.14	---
9	3.71	4.39	6.69	8.12	10.51	5.20	9.06	3.86	3.31	3.22	3.15	---
10	3.65	4.58	5.80	8.23	10.72	5.25	7.03	3.83	3.32	3.22	3.12	---
11	3.82	4.56	5.99	7.24	10.64	5.06	6.33	3.81	3.31	3.93	---	---
12	6.63	4.57	6.13	6.54	10.51	11.02	6.44	3.83	3.29	4.21	---	3.12
13	8.34	4.54	11.14	6.14	10.37	12.06	6.35	3.81	3.28	5.02	---	---
14	15.62	4.54	17.27	6.02	10.22	8.55	6.16	3.78	3.36	3.72	---	---
15	11.60	4.53	15.35	5.91	9.30	7.78	5.87	3.73	3.27	3.46	---	---
16	7.95	4.52	10.00	---	8.55	8.15	5.49	3.71	3.22	3.38	3.15	---
17	8.55	4.50	11.21	5.38	7.66	7.65	5.08	3.98	3.23	3.60	3.16	---
18	9.10	4.50	11.41	5.39	7.26	6.53	4.87	4.28	3.22	3.35	3.11	---
19	9.02	4.48	10.13	7.46	7.12	6.44	4.78	3.89	3.23	3.27	3.12	---
20	8.94	5.07	10.64	9.36	9.83	7.53	4.67	3.79	3.25	3.21	3.11	---
21	8.80	5.33	10.76	11.32	8.32	14.29	4.60	3.74	3.24	3.93	---	4.84
22	8.74	5.32	10.21	8.21	7.50	---	4.56	3.70	3.22	4.19	3.15	3.36
23	8.67	5.32	10.79	9.92	8.21	---	4.51	3.75	3.51	3.54	3.17	3.26
24	8.01	5.66	10.02	10.96	8.24	---	4.44	3.72	3.73	3.79	3.13	3.10
25	7.62	5.73	9.32	16.30	8.04	---	---	3.68	3.38	4.60	3.42	7.81
26	7.48	5.46	10.24	12.94	---	7.84	---	3.66	3.29	4.47	3.30	14.61
27	7.41	6.29	10.50	10.59	---	7.10	4.38	3.63	3.69	3.51	3.10	13.05
28	7.36	17.91	10.44	11.32	5.90	6.74	4.38	3.60	3.95	3.36	---	6.74
29	7.31	16.11	10.33	11.14	---	6.59	4.32	3.66	4.32	3.57	---	5.31
30	6.42	14.48	9.92	10.93	---	6.51	4.27	4.58	4.25	3.94	---	5.21
31	5.35	---	8.76	10.60	---	6.39	---	4.00	---	4.05	---	---
MEAN	6.92	5.93	---	---	---	---	---	3.89	3.47	3.67	---	---
MAX	15.62	17.91	---	---	---	---	---	4.58	4.32	5.02	---	---
MIN	3.65	4.22	---	---	---	---	---	3.60	3.22	3.21	---	---

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS

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

DRAINAGE AREA.--918 mi^2.

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

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

GAGE.--Water-stage recorder. Datum of gage is 207.62 ft above NGVD of 1929. Prior to Jan. 6, 1939, National Weather Service nonrecording gage. Prior to Oct. 1, 1966, at datum 5.00 ft higher.

REMARKS.--Estimated daily discharges: Jan. 19-22. Records good except for estimated daily discharges, which are poor. Flow from 154 mi^2 above the station, 38.4 mi upstream, regulated by Okatibbee Lake since November 1968. Satellite telemeter and National Weather Service telemeter at station.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 15	2300	*11,000	*25.71	No other peak greater than base dishcarge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	273	478	4740	1370	3570	855	1940	359	493	296	235	69
2	255	451	2550	1230	4340	954	1690	338	329	223	179	65
3	242	383	1880	1100	3390	997	1120	311	247	196	143	65
4	226	354	1790	1020	2540	884	932	292	211	266	151	74
5	193	339	1670	972	2250	785	821	327	182	201	119	68
6	557	327	1460	1680	3070	712	751	352	166	178	110	61
7	729	315	1080	2340	4520	682	704	352	160	163	104	58
8	432	307	1010	1890	3800	661	836	315	168	156	91	56
9	302	303	949	1670	3040	671	3510	289	145	133	84	56
10	258	335	832	1600	2550	770	3930	275	137	129	82	60
11	279	334	732	1420	2360	740	3350	258	138	165	77	59
12	1890	328	781	1190	2210	3010	1980	243	139	338	71	58
13	3060	329	2640	1050	2100	5560	1630	231	158	474	70	64
14	7580	321	8800	951	2010	3880	1440	227	151	296	68	56
15	7500	315	10800	882	1840	2540	1220	241	147	202	66	59
16	4410	310	9860	788	1520	2690	1060	212	130	167	69	63
17	2150	306	6460	709	1330	2850	922	216	127	185	74	62
18	1800	305	5410	715	1150	2270	789	341	123	173	76	63
19	1670	304	3820	e1400	1100	1480	686	366	120	152	86	60
20	1560	337	2710	e4200	2590	1390	623	345	127	143	100	58
21	1480	443	2360	e5000	3300	4860	574	267	122	124	94	283
22	1420	458	2180	e4100	2280	5400	532	230	116	273	87	192
23	1370	469	2580	3550	1720	3700	503	209	130	188	90	138
24	1260	553	3920	3410	1600	2350	484	204	171	206	88	152
25	1080	659	2970	6790	1500	1960	460	193	156	377	83	759
26	1020	600	2340	7440	1290	1770	433	182	135	321	117	4820
27	983	928	2200	6020	1060	1490	413	176	151	201	93	6610
28	955	6170	2100	4360	948	1320	406	169	271	160	91	4360
29	938	6810	2010	2940	---	1190	392	172	283	138	81	2780
30	822	6920	1890	2560	---	1120	369	341	435	254	77	1050
31	605	---	1610	2370	---	1210	---	643	---	253	73	---
TOTAL	47299	30791	96134	76717	64978	60751	34500	8676	5568	6731	3029	22378
MEAN	1526	1026	3101	2475	2321	1960	1150	279.9	185.6	217.1	97.71	745.9
MAX	7580	6920	10800	7440	4520	5560	3930	643	493	474	235	6610
MIN	193	303	732	709	948	661	369	169	116	124	66	56
CFSM	1.66	1.12	3.38	2.70	2.53	2.13	1.25	0.30	0.20	0.24	0.11	0.81
IN.	1.92	1.25	3.90	3.11	2.63	2.46	1.40	0.35	0.23	0.27	0.12	0.91

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	275.1	641.0	1334	2052	2655	2794	2423	1191	531.5	573.3	345.9	305.2
MAX	1526	4011	7012	6699	9250	6415	6793	5644	2200	4494	1518	1903
(WY)	2002	1949	1962	1998	1990	1980	1979	1991	1983	1940	1946	2001
MIN	23.5	49.4	174	286	259	540	310	125	101	50.9	42.7	24.8
(WY)	1964	1964	1964	1956	2000	1955	1967	1963	1988	1952	1954	1954

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1938 - 2002	
ANNUAL TOTAL	535668		457552			
ANNUAL MEAN	1468		1254		1253	
HIGHEST ANNUAL MEAN					2633	1983
LOWEST ANNUAL MEAN					311	2000
HIGHEST DAILY MEAN	13400	Mar 5	10800	Dec 15	58500	Feb 23 1961
LOWEST DAILY MEAN	138	Jul 20	56	Sep 8	18	Sep 25 1954
ANNUAL SEVEN-DAY MINIMUM	160	Jul 15	58	Sep 6	18	Sep 24 1954
MAXIMUM PEAK FLOW			11000	Dec 15	61700	Feb 23 1961
MAXIMUM PEAK STAGE			25.71	Dec 15	42.94	Feb 23 1961
INSTANTANEOUS LOW FLOW			55	Sep 9,14	18	Sep 25 1954
ANNUAL RUNOFF (CFSM)	1.60		1.37		1.36	
ANNUAL RUNOFF (INCHES)	21.71		18.54		18.54	
10 PERCENT EXCEEDS	3260		3450		3120	
50 PERCENT EXCEEDS	732		478		469	
90 PERCENT EXCEEDS	218		88		94	

e Estimated

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.53	6.37	17.18	9.01	14.55	7.60	10.52	5.87	6.41	5.57	5.29	4.17
2	5.44	6.26	12.09	8.64	16.35	7.88	9.84	5.78	5.73	5.17	4.95	4.13
3	5.37	5.98	10.35	8.29	14.20	7.99	8.33	5.65	5.31	5.01	4.69	4.13
4	5.27	5.85	10.10	8.05	12.09	7.68	7.82	5.56	5.10	5.41	4.76	4.24
5	5.07	5.78	9.80	7.93	11.34	7.39	7.50	5.72	4.91	5.04	4.51	4.18
6	6.50	5.73	9.23	9.82	13.38	7.17	7.29	5.84	4.81	4.89	4.44	4.10
7	7.26	5.67	8.23	11.57	16.74	7.07	7.14	5.84	4.76	4.78	4.39	4.07
8	6.25	5.63	8.02	10.39	15.17	7.00	7.52	5.67	4.82	4.73	4.27	4.05
9	5.68	5.61	7.86	9.80	13.36	7.04	14.43	5.54	4.65	4.56	4.20	4.05
10	5.45	5.76	7.53	9.61	12.12	7.35	15.45	5.47	4.59	4.52	4.19	4.11
11	5.52	5.76	7.23	9.14	11.62	7.26	14.10	5.37	4.59	4.78	4.14	4.10
12	10.40	5.73	7.38	8.53	11.23	12.95	10.62	5.29	4.60	5.76	4.08	4.08
13	13.31	5.74	12.07	8.15	10.93	18.89	9.70	5.22	4.75	6.31	4.08	4.16
14	22.32	5.70	23.64	7.87	10.69	15.33	9.19	5.20	4.69	5.56	4.06	4.06
15	22.22	5.67	25.56	7.68	10.24	12.09	8.62	5.28	4.67	5.04	4.04	4.09
16	16.45	5.64	24.72	7.40	9.41	12.48	8.18	5.11	4.53	4.81	4.08	4.14
17	11.07	5.62	20.59	7.16	8.91	12.88	7.79	5.13	4.51	4.93	4.14	4.13
18	10.15	5.62	18.59	7.18	8.43	11.40	7.40	5.78	4.47	4.85	4.17	4.14
19	9.79	5.62	15.19	---	8.29	9.31	7.09	5.90	4.45	4.70	4.28	4.11
20	9.50	5.77	12.53	---	12.16	9.07	6.88	5.81	4.51	4.64	4.42	4.08
21	9.30	6.23	11.62	---	14.00	17.38	6.72	5.42	4.47	4.48	4.37	5.63
22	9.13	6.29	11.15	---	11.40	18.56	6.57	5.22	4.42	5.39	4.31	5.17
23	9.00	6.33	12.14	14.59	9.93	14.92	6.46	5.09	4.52	4.95	4.35	4.75
24	8.71	6.63	15.42	14.24	9.63	11.59	6.39	5.05	4.83	5.07	4.33	4.82
25	8.23	7.00	13.19	21.15	9.34	10.56	6.30	4.99	4.73	5.90	4.28	7.00
26	8.06	6.80	11.58	22.24	8.81	10.06	6.19	4.92	4.58	5.70	4.60	17.15
27	7.96	7.71	11.19	19.78	8.18	9.33	6.11	4.87	4.70	5.05	4.40	20.88
28	7.88	20.04	10.92	16.36	7.86	8.87	6.08	4.83	5.43	4.79	4.38	16.38
29	7.83	21.22	10.69	13.11	---	8.53	6.02	4.85	5.49	4.62	4.29	12.67
30	7.50	21.38	10.37	12.16	---	8.35	5.92	5.73	6.19	5.38	4.24	8.13
31	6.82	---	9.65	11.66	---	8.57	---	6.94	---	5.39	4.21	---
MEAN	9.00	7.50	12.77	---	11.44	10.40	8.27	5.45	4.87	5.09	4.35	6.16
MAX	22.32	21.38	25.56	---	16.74	18.89	15.45	6.94	6.41	6.31	5.29	20.88
MIN	5.07	5.61	7.23	---	7.86	7.00	5.92	4.83	4.42	4.48	4.04	4.05

02477990 BUCKATUNNA CREEK NEAR DENHAM, MS

LOCATION.--Lat 31°41'39", long 88°31'11", in NE1/4 NE1/4 sec.6, T.8 N., R.5 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, on right bank on downstream side of bridge on county road, 3.5 mi north of Denham, and 8.0 mi east of Waynesboro.

DRAINAGE AREA.--492 mi^2.

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

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

REMARKS.--Estimated daily discharges: Oct. 1, Jun. 8-13, 16-18, 23, Aug. 16, Sept. 5-14 and Sept. 16-18. Records good except estimated daily discharges, which are poor. Satellite telemeter at station.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 14	2030	*3,960	*18.52				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e90	164	1440	428	1320	414	1090	223	73	166	60	32
2	83	159	1680	405	1640	510	868	184	92	161	60	29
3	77	154	1940	385	1490	591	740	154	104	113	104	27
4	73	150	1930	366	1450	585	575	142	82	92	83	25
5	70	144	1000	369	1290	523	481	130	67	81	68	e24
6	209	144	560	1350	1380	438	430	122	58	77	62	e23
7	175	134	438	1470	2130	392	392	124	51	78	60	e21
8	134	126	384	1210	1840	370	377	127	e47	70	54	e20
9	116	120	346	980	1610	355	832	121	e44	67	46	e18
10	113	118	322	735	1470	363	1000	116	e40	57	40	e17
11	112	113	307	597	1110	427	1010	107	e37	64	35	e15
12	739	110	293	589	851	886	958	95	e33	88	33	e15
13	1070	107	417	1090	736	2150	792	90	e30	335	32	e14
14	3700	104	3190	868	663	2080	731	87	56	115	30	e14
15	3560	104	3570	718	604	1950	645	81	54	171	29	24
16	3090	102	3160	562	553	2010	568	75	e39	299	e29	e22
17	2780	100	3010	469	504	2180	480	71	e35	357	34	e20
18	2850	98	3310	424	463	1680	416	71	e31	217	39	e19
19	3000	94	3530	658	435	999	366	70	41	126	42	17
20	1590	92	3370	2490	828	817	325	67	88	89	40	17
21	594	92	2180	2630	1340	2550	290	76	45	84	36	21
22	453	92	1250	2430	1290	2130	267	84	37	72	30	24
23	382	95	1070	2420	1240	1660	246	76	e47	62	28	29
24	339	109	1480	2510	968	1630	228	66	123	67	28	97
25	300	153	1120	3480	658	1560	214	62	80	71	38	366
26	262	200	1060	3640	545	1170	204	57	56	87	33	1760
27	236	328	832	3140	485	995	191	54	96	63	43	2340
28	211	389	675	2750	446	870	179	52	153	71	49	1800
29	194	556	592	2530	---	736	169	57	90	89	55	1850
30	182	1200	521	2290	---	620	173	121	87	81	44	1950
31	170	---	468	1450	---	736	---	97	---	130	39	---
TOTAL	26954	5651	45445	45433	29339	34377	15237	3059	1916	3700	1403	10650
MEAN	869.5	188.4	1466	1466	1048	1109	507.9	98.68	63.87	119.4	45.26	355.0
MAX	3700	1200	3570	3640	2130	2550	1090	223	153	357	104	2340
MIN	70	92	293	366	435	355	169	52	30	57	28	14
CFSM	1.77	0.38	2.98	2.98	2.13	2.25	1.03	0.20	0.13	0.24	0.09	0.72
IN.	2.04	0.43	3.44	3.44	2.22	2.60	1.15	0.23	0.14	0.28	0.11	0.81

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	192.6	391.6	765.8	1406	1414	1612	1337	645.0	368.9	254.8	152.0	220.5
MAX	945	1852	1901	3497	4046	3445	4431	3155	1465	1717	660	1315
(WY)	1976	1980	1987	1998	1990	1983	1980	1991	1991	1989	1975	1979
MIN	5.44	23.7	98.9	172	194	475	164	87.7	26.9	23.4	11.2	7.98
(WY)	2001	1979	2001	1981	2000	1986	1986	2000	1988	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1972 - 2002	
ANNUAL TOTAL	295186		223164			
ANNUAL MEAN	808.7		611.4		727.7	
HIGHEST ANNUAL MEAN					1388	1980
LOWEST ANNUAL MEAN					240	2000
HIGHEST DAILY MEAN	8610	Mar 4	3700	Oct 14	11700	Mar 7 1979
LOWEST DAILY MEAN	35	Jul 29	14	Sep 13	3.4	Sep 6 2000
ANNUAL SEVEN-DAY MINIMUM	37	Jul 24	16	Sep 8	3.7	Oct 24 2000
MAXIMUM PEAK FLOW			3960	Oct 14	12200	Mar 6 1979
MAXIMUM PEAK STAGE			18.52	Oct 14	34.90	Mar 6 1979
INSTANTANEOUS LOW FLOW			15a	Sep 20	3.3	Sep 6 2000
ANNUAL RUNOFF (CFSM)	1.64		1.24		1.48	
ANNUAL RUNOFF (INCHES)	22.32		16.87		20.10	
10 PERCENT EXCEEDS	2330		1930		1990	
50 PERCENT EXCEEDS	322		191		293	
90 PERCENT EXCEEDS	70		35		41	

e Estimated
a Minimum recorded, may have been lower during periods of estimated record.

02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MS

LOCATION.--Lat 31°08'54", long 88°33'52", in NE1/4 SW1/4 sec.12, T.2 N., R.6 W., St. Stephens Meridian, Greene County, Hydrologic Unit 03170003, on left bank on downstream side of abandoned bridge 400 ft below State Highway 63, 0.5 mi southeast of Leaksville, 1.8 mi upstream from Faulk Ditch, and 29.1 mi upstream from confluence with Leaf River.

DRAINAGE AREA.--2,690 mi^2.

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

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

GAGE.--Water-stage recorder. Datum of gage is 51.13 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to Oct. 19, 1939, nonrecording gage at same site and datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood in April 1900 reached a stage of 38 ft, and a flood in July 1916 reached a stage of 34.12 ft, discharge, 68,000 ft^3/s, from information by U.S. Army Corps of Engineers.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 21	0000	*16,700	*23.36	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1130	1770	8870	3660	8450	2850	3720	1170	1030	1600	707	426
2	1080	1670	10600	3350	7190	3490	4490	1200	1190	1700	713	399
3	1030	1510	11500	3000	8780	4070	4650	1210	1210	1610	724	384
4	943	1450	11400	2750	9600	3620	4380	1160	1130	1240	758	369
5	875	1520	8680	2560	8880	3230	3530	1080	958	970	755	360
6	838	1420	5450	3010	7510	2870	2880	1030	820	920	700	349
7	890	1310	4040	5060	7610	2520	2490	998	722	855	591	337
8	1220	1230	3470	6590	9410	2280	2270	962	648	804	556	325
9	1290	1160	2950	6290	10200	2190	2450	977	612	707	520	321
10	1270	1120	2550	5360	9780	2220	3620	964	610	654	484	318
11	1090	1080	2320	4310	8450	2180	5380	899	599	617	458	308
12	991	1060	2160	3780	6580	2430	6870	858	562	579	436	303
13	1470	1040	2000	4060	5350	4560	7350	829	541	643	414	297
14	5900	1040	3160	4810	4770	8670	6700	794	529	1420	404	309
15	11400	1030	9800	4240	4370	11000	5240	776	519	1510	398	440
16	13700	1020	13400	3450	4070	11600	4060	743	558	1330	389	417
17	14600	1010	15100	2950	3800	10400	3450	729	570	1230	385	379
18	14200	998	15800	2570	3430	8870	2970	718	514	1100	400	388
19	12300	993	16000	2380	3120	7830	2550	707	490	937	404	403
20	8450	984	16500	3590	3080	6100	2240	715	481	771	448	376
21	5880	969	16500	8220	4260	10400	2020	768	628	719	468	354
22	4060	961	14000	10300	6480	11100	1850	817	793	977	444	352
23	3420	990	8410	11300	7520	11200	1680	795	625	889	451	367
24	3100	1240	6030	12200	6710	11100	1580	729	626	709	454	406
25	2870	2240	6490	12400	5170	10200	1510	729	904	701	429	582
26	2660	1910	7150	12800	3990	8110	1420	724	1030	690	414	7370
27	2390	1800	6900	13700	3440	6590	1310	649	1040	678	539	13200
28	2140	1870	5570	14200	3130	5710	1260	625	962	746	643	13400
29	1980	2240	4670	14000	---	4750	1210	635	1120	733	613	12500
30	1880	5990	4250	13500	---	4020	1180	671	1180	695	506	11100
31	1820	---	3940	11900	---	3550	---	760	---	732	467	---
TOTAL	126867	44625	249660	212290	175130	189710	96310	26421	23201	29466	16072	66839
MEAN	4092	1488	8054	6848	6255	6120	3210	852.3	773.4	950.5	518.5	2228
MAX	14600	5990	16500	14200	10200	11600	7350	1210	1210	1700	758	13400
MIN	838	961	2000	2380	3080	2180	1180	625	481	579	385	297
MED	1980	1200	6900	4810	6530	4750	2720	794	638	804	467	378
CFSM	1.52	0.55	2.99	2.55	2.33	2.27	1.19	0.32	0.29	0.35	0.19	0.83
IN.	1.75	0.62	3.45	2.94	2.42	2.62	1.33	0.37	0.32	0.41	0.22	0.92

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1033	1786	3917	5855	7299	8517	7522	4099	2021	1874	1310	1276
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	1121	1783	1165	556	464	300	277	217
(WY)	1964	1964	1955	1956	2000	1955	1963	1963	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1938 - 2002	
ANNUAL TOTAL	1588880		1256591			
ANNUAL MEAN	4353		3443		3858	
HIGHEST ANNUAL MEAN					7710	1949
LOWEST ANNUAL MEAN					1252	2000
HIGHEST DAILY MEAN	30100	Mar 7	16500	Dec 20	72600	Feb 28 1961
LOWEST DAILY MEAN	554	Jul 25	297	Sep 13	162	Oct 30 1963
ANNUAL SEVEN-DAY MINIMUM	588	Jul 21	312	Sep 8	166	Oct 25 1963
MAXIMUM PEAK FLOW			16700	Dec 21	73600	Feb 28 1961
MAXIMUM PEAK STAGE			23.36	Dec 21	33.52	Feb 28 1961
INSTANTANEOUS LOW FLOW			292	Sep 14	160	Oct 30 1963
ANNUAL RUNOFF (CFSM)	1.62		1.28		1.43	
ANNUAL RUNOFF (INCHES)	21.97		17.38		19.49	
10 PERCENT EXCEEDS	12000		10200		10400	
50 PERCENT EXCEEDS	2050		1510		1810	
90 PERCENT EXCEEDS	832		450		478	

02479000 PASCAGOULA RIVER AT MERRILL, MS

LOCATION.--Lat 30°58'40", long 88°43'28", in NW1/4 SW1/4 sec.18, T.1 S., R.7 W., St. Stephens Meridian, George County, Hydrologic Unit 03170006, near right bank on downstream side of bridge on County highway between Merrill and Avent, 0.5 mi downstream from confluence of Leaf and Chickasawhay Rivers, 0.5 mi west of Merrill, and at mile 80.8.

DRAINAGE AREA.--6,590 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage is 26.25 ft above NGVD of 1929. Prior to Dec. 6, 1934, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: Jan. 21-22, Feb. 8-10, May 25-29, and Jun. 7-12. Records good except for estimated daily discharges, which are poor. Satellite telemeter and National Weather Service telemeter at station.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 30,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Oct. 17	2200	34,100	19.11	Sep. 29	1100	35,900	19.47
Dec. 20	0400	*37,500	*20.29				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2850	3740	19100	7530	19600	6910	10100	3620	3740	3340	3000	1460
2	2730	3630	22100	7140	16400	8570	12000	3640	3890	3640	3260	1370
3	2630	3430	21800	6720	18200	10800	12400	3670	3640	4070	3240	1310
4	2510	3220	20500	6320	19500	10400	11600	3580	3270	4110	3000	1270
5	2370	3170	18900	6050	18900	9320	10200	3380	2840	3620	2900	1220
6	2280	3100	14500	8090	17400	8130	8410	3180	2430	3190	3130	1180
7	2320	2940	9570	12300	17800	7200	7200	3130	e2150	3060	3030	1170
8	2960	2800	7280	15000	e19800	6510	6450	3050	e2040	2810	2620	1190
9	3480	2690	6310	14800	e20700	6060	7860	2920	e1980	2560	2250	1150
10	3320	2600	5600	13500	e20600	6320	15700	2860	e2050	2320	2050	1130
11	3080	2520	5150	11800	19000	6110	21000	2700	e2150	2200	2420	1100
12	2890	2450	4860	10100	16000	6190	24700	2550	e2180	1990	1980	1090
13	5090	2400	4690	10100	12600	10900	25500	2450	1940	1870	1970	1060
14	16000	2360	6720	12400	10600	17000	24000	2380	1750	2210	1810	1040
15	25700	2330	18700	12400	9480	21200	20000	2350	1640	3040	1650	1050
16	31000	2310	26900	10300	8760	22400	15400	2330	1560	3480	1590	1180
17	33500	2280	31500	8820	8200	22100	11200	2300	1560	3400	1560	1170
18	33500	2260	34100	7750	7680	20900	9050	2300	1540	3010	1520	1220
19	30600	2230	36600	6990	7150	18700	7730	2290	1460	2690	1500	1220
20	24200	2200	37100	8820	7250	15900	6830	2270	1440	2430	1500	1240
21	15800	2180	34800	e17200	9440	22500	6180	2270	1470	2240	1520	1180
22	9760	2150	30800	e22000	13100	29100	5660	2290	1660	2390	1520	1230
23	7330	2230	23800	23100	15900	28900	5240	2270	1750	2570	1630	1440
24	6380	2550	15600	25000	15900	25900	4910	2270	1580	2290	1590	1710
25	5770	5790	12300	26200	13800	22200	4640	e2250	1660	2720	1510	2510
26	5310	4900	12800	26300	10900	19200	4450	e2200	2020	2860	1500	13000
27	4890	4090	13100	27600	8630	18300	4230	e2180	2370	3080	1550	28200
28	4470	3840	11900	29200	7520	18300	4020	e2150	2930	3100	1810	34200
29	4180	4540	9950	29200	---	15900	3870	e2160	3110	3020	1950	35600
30	3960	12000	8790	27200	---	12300	3730	2510	3280	2640	1780	34200
31	3800	---	8070	23700	---	10300	---	3810	---	2530	1580	---
TOTAL	304660	98930	533890	473630	390810	464520	314260	83310	67080	88480	63920	177090
MEAN	9828	3298	17220	15280	13960	14980	10480	2687	2236	2854	2062	5903
MAX	33500	12000	37100	29200	20700	29100	25500	3810	3890	4110	3260	35600
MIN	2280	2150	4690	6050	7150	6060	3730	2150	1440	1870	1500	1040
CFSM	1.49	0.50	2.61	2.32	2.12	2.27	1.59	0.41	0.34	0.43	0.31	0.90
IN.	1.72	0.56	3.01	2.67	2.21	2.62	1.77	0.47	0.38	0.50	0.36	1.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1931 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	3093	4968	10070	15280	18440	20490	18460	10550	5326	5172	3980	3749
MAX	12410	21640	45210	45510	58660	47600	70770	49960	18580	34250	11500	15110
(WY)	1976	1949	1962	1998	1990	1961	1980	1991	1991	1940	1975	1979
MIN	714	914	1598	2328	2407	4671	3049	1679	1229	938	932	803
(WY)	2001	1964	1955	1956	2000	1955	1963	1963	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1931 - 2002	
ANNUAL TOTAL	4072030		3060580			
ANNUAL MEAN	11160		8385		9920	
HIGHEST ANNUAL MEAN					19410	1949
LOWEST ANNUAL MEAN					2921	2000
HIGHEST DAILY MEAN	95200	Mar 8	37100	Dec 20	176000	Feb 27 1961
LOWEST DAILY MEAN	1620	Jul 25	1040	Sep 14	648	Oct 30 2000
ANNUAL SEVEN-DAY MINIMUM	1700	May 26	1090	Sep 9	656	Oct 25 2000
MAXIMUM PEAK FLOW			37500	Dec 20	178000	Feb 27 1961
MAXIMUM PEAK STAGE			20.29	Dec 20	30.66	Feb 27 1961
INSTANTANEOUS LOW FLOW			1030	Sep 14,15	647	Aug 25 2000
ANNUAL RUNOFF (CFSM)	1.69		1.27		1.51	
ANNUAL RUNOFF (INCHES)	22.99		17.28		20.45	
10 PERCENT EXCEEDS	30700		22100		24600	
50 PERCENT EXCEEDS	5340		3810		5000	
90 PERCENT EXCEEDS	2310		1560		1580	

e Estimated

02479000 PASCAGOULA RIVER AT MERRILL, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.14	4.93	14.20	7.76	14.44	7.34	9.41	4.87	5.09	4.76	4.36	2.68
2	4.02	4.83	15.50	7.50	12.87	8.42	10.48	4.89	5.21	5.02	4.59	2.57
3	3.92	4.66	15.40	7.21	13.74	9.81	10.74	4.93	5.01	5.39	4.57	2.49
4	3.80	4.47	14.86	6.93	14.40	9.59	10.27	4.85	4.69	5.42	4.34	2.45
5	3.67	4.43	14.10	6.73	14.11	8.91	9.43	4.68	4.29	5.01	4.25	2.39
6	3.58	4.36	11.87	8.11	13.35	8.15	8.33	4.51	3.91	4.62	4.45	2.33
7	3.61	4.22	9.05	10.67	13.54	7.54	7.54	4.46	---	4.50	4.36	2.32
8	4.23	4.08	7.59	12.12	---	7.06	7.02	4.39	---	4.28	3.97	2.34
9	4.71	3.98	6.92	12.04	---	6.74	7.94	4.28	---	4.03	3.60	2.30
10	4.56	3.89	6.40	11.35	---	6.93	12.47	4.22	---	3.80	3.38	2.26
11	4.35	3.82	6.06	10.38	14.14	6.78	15.03	4.07	---	3.66	3.76	2.23
12	4.17	3.75	5.84	9.40	12.64	6.83	16.40	3.93	---	3.44	3.30	2.20
13	5.95	3.70	5.71	9.39	10.83	9.84	16.69	3.84	3.40	3.31	3.29	2.16
14	12.56	3.66	7.11	10.71	9.67	13.17	16.17	3.78	3.19	3.66	3.11	2.12
15	16.69	3.63	13.96	10.72	9.01	15.12	14.58	3.75	3.07	4.47	2.93	2.14
16	18.28	3.61	17.34	9.51	8.56	15.61	12.33	3.73	2.97	4.85	2.85	2.32
17	18.95	3.58	18.85	8.60	8.20	15.49	10.03	3.71	2.98	4.79	2.81	2.32
18	18.96	3.55	19.72	7.91	7.86	15.02	8.74	3.71	2.95	4.43	2.76	2.38
19	18.17	3.52	20.19	7.40	7.50	13.99	7.90	3.70	2.85	4.12	2.73	2.38
20	16.21	3.49	20.18	8.57	7.57	12.57	7.30	3.69	2.83	3.87	2.73	2.41
21	12.53	3.47	19.60	---	8.98	15.49	6.83	3.69	2.87	3.67	2.75	2.33
22	9.17	3.44	18.45	---	11.10	17.74	6.46	3.71	3.09	3.82	2.75	2.39
23	7.62	3.52	16.17	15.86	12.62	17.69	6.15	3.70	3.19	3.99	2.88	2.65
24	6.97	3.84	12.42	16.50	12.63	16.80	5.90	3.69	2.99	3.70	2.83	2.96
25	6.53	6.52	10.68	16.89	11.49	15.52	5.70	---	3.09	4.13	2.74	3.78
26	6.18	5.87	10.94	16.93	9.84	14.25	5.55	---	3.48	4.25	2.72	10.79
27	5.87	5.22	11.14	17.34	8.48	13.79	5.37	---	3.85	4.45	2.79	17.47
28	5.54	5.01	10.46	17.77	7.75	13.79	5.21	---	4.38	4.46	3.08	19.12
29	5.29	5.57	9.30	17.78	---	12.60	5.08	---	4.55	4.39	3.23	19.41
30	5.12	10.40	8.58	17.20	---	10.67	4.97	3.95	4.70	4.03	3.05	19.13
31	4.98	---	8.12	16.06	---	9.54	---	5.14	---	3.92	2.82	---
MEAN	8.08	4.43	12.47	---	---	11.70	9.20	---	---	4.27	3.35	4.89
MAX	18.96	10.40	20.19	---	---	17.74	16.69	---	---	5.42	4.59	19.41
MIN	3.58	3.44	5.71	---	---	6.74	4.97	---	---	3.31	2.72	2.12

02479130 BLACK CREEK NEAR BROOKLYN, MS

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

DRAINAGE AREA.--355 mi^2.

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

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

GAGE.--Water-stage recorder. Datum of gage is 128.14 ft above NGVD of 1929 (Mississippi State Highway Department bench mark).

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 18, 1961, reached a stage of 25.70 ft, discharge, 21,500 ft^3/s.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 14	0530	5,150	15.75	Apr. 9	0930	3,520	12.79
Dec. 14	1230	4,500	14.62	Sep. 26	2200	*7,040	*18.56

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	155	230	795	247	746	349	1040	173	544	379	394	108
2	151	236	551	257	928	1100	761	166	295	390	295	106
3	148	233	433	282	831	912	611	158	219	320	222	108
4	146	229	341	276	716	655	497	152	176	274	187	110
5	146	229	308	326	578	539	424	145	153	218	214	109
6	150	226	286	1560	1130	459	387	140	162	182	330	107
7	180	220	268	980	1230	423	363	135	158	172	314	110
8	202	213	255	692	942	401	474	132	139	154	247	113
9	215	208	250	556	769	397	3060	128	168	148	204	110
10	196	206	232	444	640	439	2130	122	236	184	173	103
11	181	208	230	392	521	434	1620	112	214	176	151	98
12	1120	211	221	412	472	959	1400	109	196	179	150	95
13	1520	207	360	608	448	1640	996	107	174	172	283	92
14	3970	205	3850	588	430	1150	686	105	157	200	247	90
15	2350	208	3090	522	414	863	612	107	144	195	177	92
16	1740	209	1630	444	405	684	496	102	134	227	154	97
17	1050	208	1350	394	400	525	404	104	132	301	156	104
18	672	206	1350	390	379	484	348	117	133	220	145	105
19	471	206	850	532	367	468	308	122	133	176	137	98
20	401	208	651	1260	751	495	282	113	143	150	132	94
21	360	206	532	976	775	1730	263	110	144	145	125	219
22	341	202	440	915	599	1290	245	104	136	158	127	206
23	332	247	462	1470	520	981	241	98	131	184	179	322
24	321	385	467	1300	436	736	233	94	140	161	146	223
25	308	623	411	1380	390	543	222	92	159	182	132	1120
26	292	416	368	1090	374	1260	214	92	217	197	150	5470
27	276	359	325	818	356	1670	202	91	342	193	187	6190
28	261	476	290	738	345	1140	194	94	475	225	160	3410
29	248	908	284	653	---	871	182	195	531	203	131	1840
30	238	1260	270	546	---	708	179	473	550	231	120	1110
31	233	---	256	492	---	766	---	983	---	350	112	---
TOTAL	18374	9388	21406	21540	16892	25071	19074	4975	6635	6646	5881	22159
MEAN	592.7	312.9	690.5	694.8	603.3	808.7	635.8	160.5	221.2	214.4	189.7	738.6
MAX	3970	1260	3850	1560	1230	1730	3060	983	550	390	394	6190
MIN	146	202	221	247	345	349	179	91	131	145	112	90
CFSM	1.67	0.88	1.95	1.96	1.70	2.28	1.79	0.45	0.62	0.60	0.53	2.08
IN.	1.93	0.98	2.24	2.26	1.77	2.63	2.00	0.52	0.70	0.70	0.62	2.32

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	313.0	427.0	707.1	1039	1018	1059	980.1	628.6	442.6	356.3	290.8	309.5
MAX	1142	944	2141	2417	2304	2025	3968	2355	1378	1056	866	896
(WY)	1986	1987	1972	1993	1990	1980	1983	1991	2001	1979	1987	1974
MIN	43.6	138	257	248	140	243	219	75.0	90.7	54.1	60.6	58.9
(WY)	2001	2000	2001	1981	2000	2000	1999	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1971 - 2002	
ANNUAL TOTAL	223385		178041			
ANNUAL MEAN	612.0		487.8		629.0	
HIGHEST ANNUAL MEAN					998	1980
LOWEST ANNUAL MEAN					159	2000
HIGHEST DAILY MEAN	9840	Jun 12	6190	Sep 27	32200	Apr 8 1983
LOWEST DAILY MEAN	67	May 23	90	Sep 14	32	Aug 25 2000
ANNUAL SEVEN-DAY MINIMUM	71	May 19	95	May 22	36	Sep 30 2000
MAXIMUM PEAK FLOW			7040	Sep 26	42500	Apr 7 1983
MAXIMUM PEAK STAGE			18.56	Sep 26	29.96	Apr 7 1983
ANNUAL RUNOFF (CFSM)	1.72		1.37		1.77	
ANNUAL RUNOFF (INCHES)	23.41		18.66		24.07	
10 PERCENT EXCEEDS	1350		1090		1370	
50 PERCENT EXCEEDS	286		263		338	
90 PERCENT EXCEEDS	138		113		115	

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

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

DRAINAGE AREA.--52.6 mi^2.

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

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

GAGE.--Water-stage recorder. Elevation of gage is 103 ft above NGVD of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 30 - Nov. 3, Jan. 18-29 and May 27-30. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

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

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 14	0500	1,240	16.08	Sep. 26	1900	*1,980	*19.38
Mar. 21	0600	1,560	17.80				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.6	e11	92	23	92	29	166	16	28	19	8.3	5.3
2	7.3	e10	48	29	100	256	101	14	18	17	8.6	5.1
3	7.3	e10	33	39	54	184	74	13	14	15	8.8	5.2
4	7.1	10	26	34	38	103	57	13	11	12	8.4	5.3
5	7.1	9.8	23	64	34	69	46	12	10	9.7	15	5.5
6	7.3	9.4	22	351	228	53	40	11	9.9	8.7	21	5.4
7	7.7	9.2	21	192	241	44	35	11	9.8	7.9	14	6.1
8	7.5	9.2	21	109	138	38	60	10	9.1	8.4	9.3	7.0
9	7.2	9.4	21	80	92	39	359	10	11	8.3	8.2	6.5
10	7.1	9.5	21	64	69	51	204	10	24	8.1	6.7	5.5
11	7.7	9.4	21	54	52	37	118	9.8	24	7.3	6.1	5.1
12	17	9.5	21	73	44	179	98	9.6	16	7.0	5.9	4.8
13	167	9.5	39	129	39	251	87	9.5	11	7.2	5.7	4.7
14	916	9.7	242	87	35	125	78	10	10	7.8	5.5	4.8
15	220	9.7	174	61	31	82	78	11	9.8	10	5.5	5.9
16	91	9.5	90	46	29	62	59	9.9	8.6	12	5.5	5.7
17	50	9.5	124	40	26	49	46	9.8	8.6	8.1	7.7	6.4
18	34	9.5	191	e38	24	39	37	13	8.5	6.9	13	7.0
19	27	9.7	108	e36	23	34	32	14	8.7	6.4	8.8	5.8
20	23	10	66	e275	165	273	28	12	9.9	5.9	6.7	5.1
21	20	10	47	e74	153	1210	26	10	10	5.8	6.0	4.9
22	19	11	39	e40	73	280	23	12	8.6	7.4	22	17
23	17	21	48	e370	48	159	23	11	8.7	6.7	20	24
24	16	143	52	e80	37	125	22	9.6	11	6.3	10	13
25	15	291	40	e340	32	106	20	9.4	13	7.9	8.2	256
26	13	99	33	e142	29	233	20	9.2	16	8.0	15	1510
27	11	45	30	e85	26	270	18	e9.0	48	7.2	12	650
28	11	30	28	e45	24	142	17	e8.8	89	11	7.9	151
29	11	79	27	e40	---	105	16	e44	66	10	6.3	80
30	e11	188	25	37	---	88	16	e87	31	9.4	5.6	48
31	e11	---	23	33	---	119	---	67	---	10	5.4	---
TOTAL	1780.9	1110.5	1796	3110	1976	4834	2004	505.6	561.2	282.4	297.1	2866.1
MEAN	57.45	37.02	57.94	100.3	70.57	155.9	66.80	16.31	18.71	9.110	9.584	95.54
MAX	916	291	242	370	241	1210	359	87	89	19	22	1510
MIN	7.1	9.2	21	23	23	29	16	8.8	8.5	5.8	5.4	4.7
CFSM	1.09	0.70	1.10	1.91	1.34	2.96	1.27	0.31	0.36	0.17	0.18	1.82
IN.	1.26	0.79	1.27	2.20	1.40	3.42	1.42	0.36	0.40	0.20	0.21	2.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1967 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	37.77	58.84	111.0	157.9	157.5	174.4	151.4	89.28	52.14	44.23	39.56	51.57
MAX	287	236	265	442	417	383	637	558	296	137	131	229
(WY)	1986	1980	1972	1993	1990	1980	1983	1991	1989	1991	1975	1979
MIN	3.55	8.58	25.8	24.5	18.0	40.9	22.8	6.00	8.78	6.95	7.20	4.17
(WY)	2001	1982	1991	1981	2000	2000	2001	2000	1968	2000	1981	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1967 - 2002	
ANNUAL TOTAL	27249.2		21123.8			
ANNUAL MEAN	74.66		57.87		93.49	
HIGHEST ANNUAL MEAN					175	1980
LOWEST ANNUAL MEAN					22.8	2000
HIGHEST DAILY MEAN	1980	Jun 11	1510	Sep 26	8820	Apr 7 1983
LOWEST DAILY MEAN	5.0	May 27	4.7	Sep 13	2.8	Oct 4 2000
ANNUAL SEVEN-DAY MINIMUM	5.2	May 22	5.2	Sep 10	3.0	Sep 29 2000
MAXIMUM PEAK FLOW			1980	Sep 26	13000	Apr 4 1979
MAXIMUM PEAK STAGE			19.38	Sep 26	29.51	Apr 7 1983
INSTANTANEOUS LOW FLOW			4.6	Sep 12,13	2.7	Oct 4 2000
ANNUAL RUNOFF (CFSM)	1.42		1.10		1.78	
ANNUAL RUNOFF (INCHES)	19.27		14.94		24.15	
10 PERCENT EXCEEDS	160		142		190	
50 PERCENT EXCEEDS	26		20		35	
90 PERCENT EXCEEDS	7.7		6.8		9.7	

e Estimated

02479160 BLACK CREEK NEAR WIGGINS, MS

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

DRAINAGE AREA.--701 mi^2.

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

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 48.94 ft above NGVD of 1929. Prior to 1978 water year, at datum 0.05 ft lower.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood (believed to be that of July 1916) reached a stage of 30.5 ft, from Mississippi State Highway Department plans. The flood of June 3, 1959, reached a stage of 25.88 ft, and the flood of Feb. 19, 1961, 25.83 ft from floodmarks, discharge, about 26,000 ft^3/s, based on peak data at sites upstream and downstream.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Sep. 28	1200	*10,900	*21.68	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	284	348	2170	484	883	540	1880	380	1350	828	598	163
2	268	342	1200	498	1380	1620	1710	362	787	615	544	155
3	256	343	857	556	1290	2420	1290	342	506	586	421	152
4	246	337	691	586	1120	1560	1070	326	383	478	326	153
5	240	324	567	572	976	1110	895	310	314	392	311	157
6	241	316	513	2140	1430	923	789	296	270	316	413	153
7	247	310	480	3380	2790	799	720	283	266	266	563	155
8	285	300	457	1910	2170	727	695	272	264	258	496	187
9	317	294	441	1350	1510	681	2210	261	234	243	597	183
10	329	285	436	1120	1230	766	4700	251	258	244	462	168
11	319	284	417	947	1030	774	4060	242	376	268	314	150
12	447	283	408	870	874	940	2380	224	369	251	261	140
13	1520	287	418	1180	799	2810	2000	218	316	245	236	133
14	4470	282	1600	1280	747	2780	1590	221	278	243	375	131
15	6120	278	4270	1120	698	1680	1330	216	256	278	349	130
16	5360	277	5180	991	666	1310	1170	215	225	320	266	141
17	2360	277	2470	848	636	1070	971	209	205	332	247	151
18	1420	274	2470	791	614	883	831	219	196	387	271	248
19	995	272	2100	761	581	808	739	244	194	295	263	261
20	780	275	1380	1450	839	820	670	254	200	236	228	183
21	675	278	1080	1920	1690	4210	619	232	231	206	210	160
22	600	280	899	1480	1250	5990	577	220	218	199	222	447
23	557	319	816	1510	946	2880	544	213	200	206	245	547
24	529	470	924	1950	812	1730	527	202	196	243	314	554
25	501	1550	862	1760	691	1360	503	194	203	227	253	1010
26	465	1290	754	1910	624	1410	478	185	232	243	303	4600
27	432	779	686	1490	588	3230	457	180	407	262	390	8230
28	405	629	619	1190	553	2980	432	177	763	267	344	10600
29	387	928	573	1090	---	1800	413	210	1070	338	266	9030
30	370	2120	549	964	---	1440	393	452	963	322	207	6100
31	357	---	513	845	---	1290	---	1010	---	413	180	---
TOTAL	31782	14631	36800	38943	29417	53341	36643	8620	11730	10007	10475	44572
MEAN	1025	487.7	1187	1256	1051	1721	1221	278.1	391.0	322.8	337.9	1486
MAX	6120	2120	5180	3380	2790	5990	4700	1010	1350	828	598	10600
MIN	240	272	408	484	553	540	393	177	194	199	180	130
CFSM	1.46	0.70	1.69	1.79	1.50	2.45	1.74	0.40	0.56	0.46	0.48	2.12
IN.	1.69	0.78	1.95	2.07	1.56	2.83	1.94	0.46	0.62	0.53	0.56	2.37

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1972 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	589.9	856.5	1385	2034	2073	2230	2069	1291	875.4	701.0	598.0	682.9
MAX	2574	2354	4218	4909	5288	3986	7713	5400	2376	1940	1960	2277
(WY)	1976	1986	1972	1993	1990	1980	1980	1991	2001	1979	1975	1979
MIN	75.9	242	480	450	271	481	356	135	153	115	115	103
(WY)	2001	1982	2001	1981	2000	2000	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1972 - 2002	
ANNUAL TOTAL	416179		326961			
ANNUAL MEAN	1140		895.8		1278	
HIGHEST ANNUAL MEAN					2307	1980
LOWEST ANNUAL MEAN					301	2000
HIGHEST DAILY MEAN	13600	Jun 13	10600	Sep 28	39800	Apr 9 1983
LOWEST DAILY MEAN	118	May 29	130	Sep 15	65	Aug 27 2000
ANNUAL SEVEN-DAY MINIMUM	121	May 24	139	Sep 11	68	Oct 29 2000
MAXIMUM PEAK FLOW			10900	Sep 28	43900	Apr 8 1983
MAXIMUM PEAK STAGE			21.68	Sep 28	28.81	Apr 8 1983
INSTANTANEOUS LOW FLOW			129	Sep 14,15	63	Aug 27 2000
ANNUAL RUNOFF (CFSM)	1.63		1.28		1.82	
ANNUAL RUNOFF (INCHES)	22.09		17.35		24.77	
10 PERCENT EXCEEDS	2300		1910		2790	
50 PERCENT EXCEEDS	566		478		683	
90 PERCENT EXCEEDS	247		208		227	

02479300 RED CREEK AT VESTRY, MS

LOCATION.--Lat 30°44'08", long 88°46'41", in SW1/4 SW1/4 sec.34, T.3 S., R.8 W., St. Stephens Meridian, George County, Hydrologic Unit 03170007, located on downstream side of right main pile cluster of bridge on county highway, 0.5 mi north of Vestry, and 1.1 mi upstream from Little Red Creek.

DRAINAGE AREA.--441 mi^2.

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

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

GAGE.--Water-stage recorder. Datum of gage is 20.10 ft above NGVD of 1929.

REMARKS.-Estimated daily discharge: Jan. 22-23, Apr. 9-17, May 31 - Jun. 14, Jun. 29,30, July 1-3 and Jul. 9 - Sept. 24 . Records fair except for estimated daily discharges, which are poor. Satellite telemeter at station.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 15	2315	4,360	14.16	Sep. 28	0645	*11,800	*16.52

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	197	225	1130	300	453	317	1080	253	e1030	e720	e400	e155
2	188	222	834	320	632	1110	1130	245	e1100	e530	e360	e148
3	180	220	564	389	644	2120	902	219	e890	e390	e300	e146
4	174	216	434	395	567	1560	694	203	e670	265	e250	e145
5	171	209	369	379	484	961	571	192	e450	244	e240	e150
6	169	203	330	1260	754	677	494	184	e340	217	e270	e143
7	168	197	305	2010	1760	559	446	178	e280	192	e380	e137
8	168	194	290	1500	1710	497	418	172	e250	178	e360	e170
9	164	194	279	1030	1160	456	e1220	167	e230	e207	e420	e167
10	162	197	271	726	831	461	e2700	163	e210	e238	e440	e150
11	169	195	266	599	674	478	e2910	161	e250	e220	e300	e138
12	560	194	261	550	582	537	e2680	156	e360	e188	e240	e130
13	787	192	263	650	520	1360	e2220	153	e340	e174	e210	e127
14	2580	191	531	730	477	1730	e1800	152	e240	e200	e260	e125
15	4030	190	1050	703	446	1220	e1210	152	191	e230	e270	e124
16	4130	188	1250	611	423	840	e1030	149	176	e250	e230	e130
17	2390	186	1350	532	397	656	e673	147	163	e280	e225	e145
18	1020	187	1220	483	375	565	560	150	155	e260	e240	e200
19	653	189	1000	469	356	500	492	153	144	e210	e235	e220
20	518	189	750	552	421	453	440	153	148	e170	e205	e163
21	444	190	562	591	733	1060	401	150	162	e150	e195	e143
22	399	192	460	e665	752	2760	373	148	161	e152	e200	e340
23	365	212	421	e600	601	2990	345	144	154	e155	e220	e440
24	337	278	437	582	483	1570	325	143	152	e140	e260	e420
25	318	482	468	656	416	917	308	142	148	e150	e240	733
26	295	780	420	670	377	841	297	141	149	e180	e260	4380
27	273	631	374	631	348	1740	287	140	175	e178	e335	8270
28	254	460	349	556	326	2230	281	140	243	e200	e300	11100
29	242	421	339	498	---	1610	272	171	e530	e260	e250	7600
30	235	703	333	465	---	1100	261	188	e880	e220	e210	5420
31	229	---	319	441	---	820	---	e580	---	e250	e175	---
TOTAL	21969	8327	17229	20543	17702	34695	26820	5589	10371	7398	8480	41859
MEAN	708.7	277.6	555.8	662.7	632.2	1119	894.0	180.3	345.7	238.6	273.5	1395
MAX	4130	780	1350	2010	1760	2990	2910	580	1100	720	440	11100
MIN	162	186	261	300	326	317	261	140	144	140	175	124
CFSM	1.61	0.63	1.26	1.50	1.43	2.54	2.03	0.41	0.78	0.54	0.62	3.16
IN.	1.85	0.70	1.45	1.73	1.49	2.93	2.26	0.47	0.87	0.62	0.72	3.53

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	407.1	544.1	912.5	1273	1421	1423	1205	851.0	585.6	531.0	546.5	584.8
MAX	1801	1798	3933	3597	3478	3049	4692	4464	2159	1855	2994	2208
(WY)	1976	1962	1962	1998	1990	1961	1980	1991	1959	1989	1987	1998
MIN	69.2	118	266	266	227	361	204	115	97.9	102	108	97.9
(WY)	2001	1964	1982	1981	2000	2000	1963	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1958 - 2002	
ANNUAL TOTAL	272080		220982			
ANNUAL MEAN	745.4		605.4		852.3	
HIGHEST ANNUAL MEAN					1492	1980
LOWEST ANNUAL MEAN					200	2000
HIGHEST DAILY MEAN	13000	Jun 15	11100	Sep 28	25100	Aug 16 1987
LOWEST DAILY MEAN	109	May 31	124	Sep 15	63	Oct 27 2000
ANNUAL SEVEN-DAY MINIMUM	111	May 27	131	Sep 11	63	Oct 26 2000
MAXIMUM PEAK FLOW			11800	Sep 28	28000	Aug 15 1987
MAXIMUM PEAK STAGE			16.52	Sep 28	21.48	Aug 15 1987
INSTANTANEOUS LOW FLOW			139a	May 27,28	62	Oct 29 2000
ANNUAL RUNOFF (CFSM)	1.69		1.37		1.93	
ANNUAL RUNOFF (INCHES)	22.95		18.64		26.26	
10 PERCENT EXCEEDS	1220		1140		1830	
50 PERCENT EXCEEDS	386		325		454	
90 PERCENT EXCEEDS	184		152		174	

e Estimated
a May have been lower during periods of estimated record.

02479310 PASCAGOULA RIVER AT GRAHAM FERRY, MS

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

DRAINAGE AREA.--8,204 mi^2.

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

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

REMARKS.--Estimated daily discharges: May 25-29, Jun. 6, Jul. 10-13, and Aug. 26-27. Records good above 8,000 ft^3/s and fair below 8,000 ft^3/s except for estimated daily discharges, which are poor. Satellite telemeter at station.

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

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Sep. 30	2200	*45,000	*15.25	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3960	4750	11900	9550	29600	9350	17000	3980	4190	5260	4130	2420
2	3740	4630	16600	8440	27300	9810	15000	3630	4430	5350	4360	2280
3	3600	4470	20400	8380	24000	12100	15100	3430	4510	5320	4540	2140
4	3420	4310	22400	8070	22300	14300	15100	3650	4160	5420	4330	2060
5	3310	4100	23100	7760	22300	14900	14300	3570	3840	5330	4780	2000
6	3220	4040	22500	8440	22700	13600	12700	3240	e3650	4900	5950	1850
7	3070	3990	19600	10700	22900	11600	10800	3070	3500	4440	5570	1930
8	3100	3820	14800	14400	23500	9840	9180	3000	3160	4050	4730	2190
9	3600	3610	10800	17500	25100	8620	8740	2890	2910	3840	4160	2270
10	4000	3580	8160	18500	26300	8090	10800	2700	2870	e3480	3750	2150
11	4010	3390	7070	17500	26200	8110	16100	2660	2880	e3030	3610	2020
12	4350	3390	6510	15400	24900	8180	21700	2540	3240	e2980	3540	1910
13	4780	3250	6100	13400	22100	8870	26800	2310	3280	e2970	3080	1820
14	8370	3250	6300	12800	18200	12600	29300	2390	3020	2990	2990	1780
15	15000	3180	9490	13900	14700	17300	29600	2250	2700	3210	2850	2010
16	22700	3150	15800	14300	12400	21500	27800	2210	2610	3840	2770	1920
17	31400	3160	22400	13100	10800	24000	23700	2700	2450	4320	2640	2040
18	37800	3100	28900	11400	9710	24900	18300	2030	2450	4320	2590	2120
19	39200	3080	35500	9870	9040	24700	13900	2250	2390	4050	2510	2110
20	37600	3030	39200	8950	8820	23300	10800	2260	2320	3620	2680	2100
21	34100	2990	40600	10400	9250	21600	8770	2240	2380	3400	2750	2010
22	27700	3020	40200	15200	11200	22600	7360	2140	2370	3140	2870	2090
23	19700	3050	38900	19700	13800	27300	7140	2220	2500	3220	3040	2260
24	13500	3190	34900	22800	15900	33200	6610	2060	2590	3300	3110	2580
25	9770	3830	27900	25500	16900	35100	6290	e2000	2490	3670	2920	4170
26	7540	6600	21200	27500	16100	32800	5970	e1970	2710	4340	e2850	10600
27	6630	7080	17400	28800	13800	28900	5470	e1950	2930	4190	e2870	19500
28	6020	6100	15700	29700	11100	26500	5210	e1940	3710	4030	2890	30000
29	5610	5390	14200	30400	---	25700	4540	e1950	4380	4060	2920	38700
30	5310	6480	12300	30900	---	24200	4380	2130	4950	4530	2800	43900
31	5000	---	10700	30700	---	20600	---	3030	---	4540	2670	---
TOTAL	381110	121010	621530	513960	510920	584170	408460	80390	95570	125140	107250	196930
MEAN	12290	4034	20050	16580	18250	18840	13620	2593	3186	4037	3460	6564
MAX	39200	7080	40600	30900	29600	35100	29600	3980	4950	5420	5950	43900
MIN	3070	2990	6100	7760	8820	8090	4380	1940	2320	2970	2510	1780
CFSM	1.50	0.49	2.44	2.02	2.22	2.30	1.66	0.32	0.39	0.49	0.42	0.80
IN.	1.73	0.55	2.82	2.33	2.32	2.65	1.85	0.36	0.43	0.57	0.49	0.89

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1994 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	4105	5477	10200	16880	21330	27040	14950	8239	7564	5416	3866	4852
MAX	12290	15790	20050	56210	40350	49610	25440	25690	20330	13160	7993	16360
(WY)	2002	1994	2002	1998	1994	2001	1994	1997	1997	1994	2001	2001
MIN	1104	2037	3336	6502	3741	6743	7225	2384	1497	1374	1432	1330
(WY)	2001	2000	2000	2000	2000	2000	1999	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1994 - 2002	
ANNUAL TOTAL	5049670		3746440			
ANNUAL MEAN	13830		10260		11120	
HIGHEST ANNUAL MEAN					15500	1998
LOWEST ANNUAL MEAN					3751	2000
HIGHEST DAILY MEAN	118000	Mar 9	43900	Sep 30	118000	Mar 9 2001
LOWEST DAILY MEAN	2320	May 26	1780	Sep 14	936	Nov 1 2000
ANNUAL SEVEN-DAY MINIMUM	2400	May 24	1930	Sep 11	969	Oct 29 2000
MAXIMUM PEAK FLOW			45000	Sep 30	123000	Mar 9 2001
MAXIMUM PEAK STAGE			15.25	Sep 30	17.56	Mar 9 2001
INSTANTANEOUS LOW FLOW			1070	Sep 14	234	Oct 29 2000
ANNUAL RUNOFF (CFSM)	1.69		1.25		1.36	
ANNUAL RUNOFF (INCHES)	22.90		16.99		18.41	
10 PERCENT EXCEEDS	35100		26200		27700	
50 PERCENT EXCEEDS	7340		5210		5740	
90 PERCENT EXCEEDS	3190		2280		2000	

e Estimated

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS

LOCATION.--Lat 30°48'12", long 88°27'31", in SW1/4SW1/4 sec. 2, T. 3 S., R. 5 W., George County, Miss., Hydrologic Unit 03170008, near left bank on downstream side of bridge on County Road 612, 2.5 mi west of Alabama-Mississippi State line, 3.7 mi east of Agricola, Miss., 4.8 mi downstream of old gage at Escatawpa River near Wilmer, Ala, and 6.7 mi west of Wilmer.
DRAINAGE AREA.--562 mi^2.
PERIOD OF RECORD.--October 1973 to current year.
REVISED RECORD.--WDR AL-84-1: Drainage area. WDR AL-98-1: 1983.
GAGE.--Water-stage recorder. Elevation of gage is 50 ft above NGVD of 1929, from topographic map.
REMARKS.--Estimated daily discharges: Aug. 10-14, Sept. 14, 16-30. Records good except for periods of estimated record, which are fair.
EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1929 reached an elevation of approximately 72 ft above sea level, as determined from historical data. Peak discharge of this flood is unknown but probably has not been exceeded since 1929.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	139	142	506	228	398	277	1130	148	493	318	452	104
2	134	140	588	249	447	1410	1100	140	300	540	375	100
3	130	138	601	278	505	2120	893	133	200	422	316	99
4	128	136	516	279	539	2050	754	128	154	389	254	96
5	128	132	387	280	528	1600	655	122	127	311	413	93
6	130	129	292	645	723	1310	565	117	113	209	583	91
7	132	129	248	1030	1210	1080	471	113	105	161	347	94
8	129	128	225	1170	1400	815	398	108	103	152	232	115
9	125	126	208	1020	1320	632	688	128	109	144	192	106
10	122	125	200	853	1130	601	851	127	103	201	162	95
11	123	126	199	716	964	638	943	112	98	165	139	89
12	164	124	195	579	790	674	934	105	108	134	126	85
13	187	123	212	578	626	1540	897	102	92	112	118	87
14	444	124	440	628	497	1590	837	105	82	108	114	128
15	699	123	601	717	390	1400	1180	98	81	117	111	145
16	904	122	645	704	331	1240	1000	92	85	140	114	137
17	937	121	730	654	296	1120	709	89	79	136	143	145
18	838	121	1090	562	270	954	521	100	77	113	118	152
19	669	121	1450	481	253	755	407	106	76	98	119	140
20	515	121	1280	530	350	567	333	100	78	86	197	137
21	364	122	963	552	596	1450	285	92	86	87	237	163
22	263	123	675	670	745	3500	252	88	88	102	202	190
23	219	154	519	755	737	4340	229	84	87	94	186	393
24	195	209	438	817	642	4570	211	82	90	110	160	319
25	181	199	367	826	541	3290	195	81	87	779	152	1530
26	165	289	327	727	449	2000	184	80	235	506	182	5970
27	153	696	305	644	378	1960	174	78	251	405	203	8230
28	148	926	289	561	313	1660	168	78	275	356	181	8800
29	145	821	273	494	---	1300	161	194	267	302	142	8420
30	144	589	255	442	---	1050	153	496	250	408	122	7210
31	151	---	238	391	---	951	---	834	---	608	110	---
TOTAL	8905	6679	15262	19060	17368	48444	17278	4460	4379	7813	6502	43463
MEAN	287.3	222.6	492.3	614.8	620.3	1563	575.9	143.9	146.0	252.0	209.7	1449
MAX	937	926	1450	1170	1400	4570	1180	834	493	779	583	8800
MIN	122	121	195	228	253	277	153	78	76	86	110	85
CFSM	0.51	0.40	0.88	1.09	1.10	2.78	1.02	0.26	0.26	0.45	0.37	2.58
IN.	0.59	0.44	1.01	1.26	1.15	3.21	1.14	0.30	0.29	0.52	0.43	2.88

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1974 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	548.4	810.1	1133	1744	1930	2078	1630	1211	735.6	612.9	540.0	735.0
MAX	3528	2587	2597	4452	4280	4383	5986	6818	2572	1668	2675	2386
(WY)	1999	1980	1983	1998	1990	1979	1983	1991	1978	1994	1975	1974
MIN	70.7	152	364	365	308	742	465	114	92.8	79.6	111	110
(WY)	2001	1982	1982	1981	2000	1982	2001	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1974 - 2002	
ANNUAL TOTAL	277266		199613			
ANNUAL MEAN	759.6		546.9		1138	
HIGHEST ANNUAL MEAN					1922	1980
LOWEST ANNUAL MEAN					307	2000
HIGHEST DAILY MEAN	13400	Mar 6	8800	Sep 28	26800	Sep 30 1998
LOWEST DAILY MEAN	100	May 27	76	Jun 19	62	Aug 31 2000
ANNUAL SEVEN-DAY MINIMUM	102	May 24	80	Jun 14	66	Oct 27 2000
MAXIMUM PEAK FLOW			8870	Sep 28	27800	Sep 30 1998
MAXIMUM PEAK STAGE			16.65	Sep 28	22.81	Sep 30 1998
ANNUAL RUNOFF (CFSM)	1.35		0.97		2.03	
ANNUAL RUNOFF (INCHES)	18.35		13.21		27.51	
10 PERCENT EXCEEDS	1470		1080		2620	
50 PERCENT EXCEEDS	374		249		586	
90 PERCENT EXCEEDS	129		98		173	

02480212 PASCAGOULA RIVER AT MILE 1 AT PASCAGOULA, MS

LOCATION.--Lat 30°21′42", long 88°33′57", in NE¼NW¼ sec.5, T.8 S., R.6 W., St. Stevens Meridian, Jackson County, Hydrologic Unit 03170006, on East side of Pascagoula River at NOAA dock and at mile 1.

DRAINAGE AREA.--Not determined.

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

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

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

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

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 50,400 microsiemens, Aug. 2, 2002, but may have been higher during periods of instrument malfunction; minimum recorded, 442 microsiemens, Mar. 14, 2001, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 32.5°C, August 17, 18, 2000, but may have been higher during periods of instrument malfunction; minimum recorded, 6.3°C, Jan. 5, 2001, but may have been lower during periods of instrument malfunction.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 50,400 microsiemens, Aug. 2, but may have been higher during periods of instrument malfunction; minimum recorded, 2,080 microsiemens, Sept. 29, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 32.1°C, August 24, but may have been higher during periods of instrument malfunction; minimum recorded, 7.7°C, Jan. 4, but may have been lower during periods of instrument malfunction.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	45000	38700	42400	46000	37900	43100	49500	48300	49100	45200	32100	42200
2	44600	38000	42200	46400	32700	40000	49300	48000	48600	44900	32000	41300
3	44300	36300	41200	45600	41000	44100	48700	44300	46900	44900	32700	41900
4	42200	34800	39500	45900	42300	44600	47500	42900	45800	45500	26200	38100
5	41200	34200	39400	45800	40200	44200	46500	36600	42700	46100	28900	40700
6	41100	37200	39800	46800	40500	45000	45800	34300	41100	47200	32700	42500
7	39800	38000	38800	47000	40200	45000	46200	35400	42600	48500	33500	42700
8	41400	34800	37900	47100	42500	45600	46800	35900	43300	48200	34600	46200
9	36500	26500	32900	47300	34900	44000	46900	37800	44000	48200	28700	40600
10	37700	22300	31200	47300	38000	44000	46800	36300	42800	44900	23300	36200
11	39400	19600	32300	47100	37500	43800	46900	38300	44200	47300	23300	37400
12	45000	20700	35200	47300	37000	44000	47200	38300	44600	47600	25100	39100
13	44700	19800	36000	47700	38000	44200	46900	33800	40900	48500	23500	40000
14	44200	16400	33500	47400	36600	43900	46600	34400	42600	48900	35800	46800
15	43300	16100	33300	47500	35900	44700	47600	29500	39800	48600	27700	45700
16	43000	15300	34700	47800	43000	46500	47900	44200	46700	47400	20600	40900
17	46100	20100	38400	48000	41800	46900	47700	43000	45900	45600	21200	38400
18	47200	37000	45000	48700	46700	48000	47700	38200	45800	45500	20800	36000
19	47300	39400	45200	48900	45100	47800	47900	34600	46000	45600	20500	34900
20	47300	44700	46800	48600	44800	47000	47400	31600	42800	45100	21400	33200
21	47600	43300	46500	47700	35600	45100	46500	34900	42800	45500	29200	40700
22	47500	36600	44100	47300	36300	43600	47400	29000	41200	45600	31300	41100
23	46300	28300	41600	47100	36900	43200	47900	25300	39900	45300	27000	39300
24	46800	42700	45200	46200	36400	42200	48100	21300	38000	47500	30000	40500
25	46100	37200	44000	46700	37400	43100	48400	25700	41800	47900	38100	44700
26	45300	33000	41900	47100	38300	44400	48000	25500	40800	48100	44500	47200
27	44800	33700	40900	47900	38500	44900	48200	28600	45900	48500	46800	47900
28	45400	34000	41100	48100	37900	44500	48300	36900	44200	48400	41900	47000
29	46700	38000	43600	49000	43200	47300	48200	35800	44100	47500	44400	46500
30	47300	40200	44500	49200	47300	48900	47100	37600	43300	48000	43100	46300
31	47000	39300	43200	---	---	---	46800	36600	43100	48100	41100	45800

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

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	48100	39800	45900	44900	29100	39200	39300	15900	31300	38500	24800	33800
2	47600	31000	43100	46400	25400	38100	33700	13300	25800	38500	19900	33000
3	47200	32200	43500	43900	26900	37800	33000	12100	22000	38900	19200	32400
4	45000	27000	38100	46700	26700	37300	39300	12200	25800	35900	21900	31500
5	46600	34700	42600	47900	36000	44100	43000	14300	32300	33000	20700	28900
6	47900	32100	44300	48500	32700	42400	29100	9080	14500	33000	21800	27900
7	47900	31600	43600	46600	34000	43200	34000	8780	17700	39700	21800	28300
8	48300	35300	45700	46900	41100	45200	37400	8620	20300	35600	21800	28900
9	48300	37900	45100	46700	33300	43300	44900	10200	29400	33100	22000	28000
10	47600	32200	41500	46600	19900	38100	39100	10900	27500	35300	19600	27700
11	44200	29700	36500	44600	24200	35100	38600	10700	25800	35000	20500	26600
12	45400	27200	38500	47000	23500	40400	36600	11600	25800	33400	18600	22400
13	44200	29200	39700	47800	33600	44100	33600	10100	24000	38400	15400	25400
14	43600	26700	37200	47500	33600	44200	32000	11500	25200	43700	18900	37900
15	45100	29300	40600	46200	34500	43500	32000	12900	23000	45200	30400	39700
16	45800	28900	39200	45700	33400	40400	26100	12300	18400	44500	26800	37600
17	46000	30000	39800	44200	29300	38300	39600	11000	19900	38500	24200	33200
18	45700	29900	39400	45000	30800	40200	43300	17700	32700	38500	26100	33700
19	46900	28900	40500	42800	28300	36800	45600	12800	29800	38100	24700	32400
20	47700	34200	44900	41500	25200	33900	31100	10700	21500	39200	23400	32400
21	48000	40700	45400	44000	19200	34300	41700	9380	25700	37800	24000	31800
22	47400	42500	45700	42800	15900	32000	45400	19800	36700	38900	23400	32200
23	47300	41800	45200	42500	15000	32400	42000	19800	33600	40400	23400	32500
24	44800	38600	42900	38600	12700	31000	35100	20800	28700	34100	22600	27200
25	44000	38900	42100	39500	10700	25900	41400	20200	33900	36300	22500	29100
26	41200	32900	38900	40600	9670	30300	47000	26500	39900	33300	22300	27000
27	43000	21000	36400	44700	20300	33000	40800	26500	37000	24800	18800	21300
28	47500	34200	43900	47000	12800	33900	42500	19200	31400	32900	17000	21600
29	46000	34200	43100	40400	10800	28400	46500	24400	37400	47600	19100	39900
30	---	---	---	34100	13800	25600	46100	18300	36600	49000	25600	38400
31	---	---	---	42100	13600	34700	---	---	---	39800	26800	35800

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	39900	27500	35700	45000	28300	37500	---	---	---	46300	41400	43800
2	40000	27300	34800	42900	31300	38000	---	---	---	46400	41100	44200
3	39600	27500	34800	42700	30200	37100	---	---	---	47700	41300	45000
4	40400	28300	35400	42400	30200	37300	---	---	---	47100	39700	44500
5	41700	29400	36100	41900	32000	38200	---	---	---	47400	36700	43700
6	44700	31400	39500	44200	29800	39100	---	---	---	48700	40900	45700
7	46600	34100	42600	44300	29800	39500	---	---	---	48200	42600	46500
8	45800	36600	43300	44900	33500	41700	---	---	---	46400	39100	43600
9	45300	38000	43600	41800	26500	36900	47000	28100	39400	43800	37400	41600
10	44000	40000	42200	43800	28700	36000	48000	32100	42400	42800	35200	40000
11	43700	35800	40600	47200	27000	36500	47200	35800	43800	41400	35300	39100
12	43400	34500	40500	47500	26000	36200	48200	33900	44200	40900	33300	38400
13	43100	30600	37400	47700	26800	38400	48300	35700	44400	43400	36200	40400
14	41200	30000	36000	48500	28900	40200	47700	35300	43400	45400	35100	41700
15	42400	32300	37600	47900	32900	43900	47700	33200	42000	47500	40200	44800
16	42600	30400	37800	47900	33100	42000	47900	35000	44200	48800	45600	47400
17	41300	31400	37200	46300	35400	40900	48200	33900	44300	48000	38700	46100
18	43000	33500	38700	48100	36000	42600	47400	34700	43000	47600	40200	44400
19	41700	30800	38000	48600	35900	44600	48100	31600	41500	46000	36300	42900
20	40900	31100	37200	48400	36500	43700	49500	31000	42800	46600	36400	43500
21	43000	28600	37200	49100	---	45200	48500	40800	44500	45800	38000	42800
22	43000	28600	34900	---	---	---	46500	34600	42200	46600	37800	42500
23	45300	29200	41000	---	---	---	46800	37200	42900	44600	35600	41500
24	46100	29400	40100	---	---	---	47200	---	45700	43500	34600	40100
25	42300	28800	36000	---	---	---	---	---	---	42500	31500	37700
26	46400	32100	40200	---	---	---	---	---	---	46900	37200	43000
27	42300	28800	36900	---	---	---	---	---	---	47500	44000	46500
28	42700	26100	35200	---	---	---	---	---	---	48000	44300	47000
29	43000	25800	34900	---	---	---	46800	37400	42200	48200	43500	47400
30	43600	29300	37500	---	---	---	47600	41400	45700	48300	43000	46900
31	---	---	---	---	---	---	46100	42500	44800	---	---	---

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

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	48000	40900	46300	48300	42800	46300	45500	25500	41500	47900	23600	40900
2	47800	39300	45000	48800	42900	45900	46200	25900	41700	48500	41500	46500
3	47700	40200	44700	48100	42300	45800	47000	45200	46300	48900	45100	48100
4	47500	40900	44900	48600	42000	46300	47300	40800	45800	48900	20600	41700
5	47400	39300	44200	48400	40400	45400	47300	41200	46100	48500	15600	38100
6	47500	39700	44700	48000	44200	47000	47200	44400	46600	47900	16500	38000
7	49000	43300	46600	47300	40800	44000	47000	42800	46000	46400	19600	38700
8	49200	47800	48600	48100	45000	46400	46400	40800	45200	46500	21700	36400
9	49500	47400	49100	48100	37800	43800	46100	34900	43600	48000	26400	39600
10	49400	46700	48800	48900	37500	45800	44800	35600	41200	48400	29200	41300
11	49300	47300	48800	49500	38200	46300	43800	34700	40100	48800	32600	42700
12	49100	45900	48100	48300	37500	45100	44600	33600	39600	47800	31500	42300
13	49000	46100	48300	48700	36600	44500	45200	38800	42900	48000	35400	44700
14	49000	43100	47400	49000	37300	45200	45200	33600	40600	48100	31000	43800
15	48800	42700	46900	48600	37900	44900	46100	35700	42500	47400	39100	45500
16	48400	42500	46100	48700	38300	45300	46700	32700	39800	47500	44500	46300
17	48200	43000	45900	47900	33800	43100	43400	24900	34100	46300	34300	43900
18	47500	42500	45600	48100	38700	45200	44500	32300	42400	44100	25300	39100
19	48600	43100	45900	48200	36000	45000	44200	28400	34900	44800	21000	33900
20	48500	43400	46400	47700	33200	43500	43800	36100	41700	43300	16000	31000
21	49300	43600	47000	48600	34100	44100	45400	38000	42300	46800	18200	35500
22	49900	44100	48000	48100	30400	43400	45800	28400	40500	46700	14900	33000
23	49400	43100	47700	48500	26000	43900	46800	35500	43500	47600	14700	33500
24	49200	45500	48300	48400	27000	42600	47000	28600	41500	48700	13800	34400
25	48800	43700	47800	45200	23100	36400	47200	27300	41900	46800	11900	30100
26	48700	41800	46900	46300	19100	36500	47800	33500	44300	47600	14000	33000
27	48500	42200	46800	46100	17000	35500	47900	34400	44500	47800	18700	39100
28	48500	41900	46300	45000	15100	32700	47400	28700	38400	47600	20500	40100
29	48100	43100	46300	44900	19500	36400	46300	29200	40700	43800	19000	34800
30	48200	43000	46000	45700	33900	41600	45800	27600	38200	40600	15100	29600
31	48300	42800	45900	---	---	---	47200	39300	45100	43900	23100	39100

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	45600	37400	42100	38700	13300	26000	42700	9700	29300	32200	21200	28500
2	47300	24500	41700	27800	11700	19300	34800	10800	23400	32100	21200	28200
3	49100	22900	38300	40700	10600	19400	28900	10700	21600	31300	20100	28300
4	43900	18400	31300	36800	7220	18500	28700	10000	19300	31200	19700	27200
5	46200	14500	31600	45000	4500	19000	21400	10600	16600	31100	19300	26400
6	43600	14700	31800	37500	2410	13800	21400	9360	15400	33200	16500	25400
7	42800	15000	30400	7680	2860	4480	19200	7350	12300	35000	18100	25100
8	42200	16200	31400	5350	2140	3190	16100	6080	9820	34000	19400	26900
9	42000	21200	34000	3810	1760	2670	13500	6230	9570	33400	20200	28200
10	44400	22900	35300	4080	1980	2830	18000	5310	9910	36400	21000	28800
11	45800	33000	41300	2930	1110	2320	14100	2060	8650	32900	21600	28300
12	41700	35100	39500	2600	1180	1660	11900	1370	5230	35900	21400	29100
13	38700	24100	35800	2640	1520	2120	15400	888	5730	39900	21600	32000
14	36800	13900	32000	5770	442	2330	26900	1640	13000	41700	23900	35000
15	35100	12000	26800	4210	768	2040	8980	2960	4420	41900	23300	34300
16	28500	9510	18300	16300	1710	4100	37100	5430	24300	40700	17800	30800
17	42100	11000	25800	30500	1160	7070	44800	9320	31500	36200	14800	25200
18	45200	27600	38000	26400	1640	8890	46700	31300	40300	28200	13800	19300
19	44500	36800	42600	13300	922	3020	36500	21000	30000	24000	10900	14600
20	42300	25200	34900	3140	1200	1790	27500	13400	21400	25300	11200	16100
21	41000	25600	35500	5840	1720	3020	27200	14000	20000	21100	11200	16100
22	44200	22700	33000	5080	2310	3590	22000	8520	15900	33800	14100	19500
23	46900	38500	41900	9450	2360	4160	17800	9670	14500	44200	23700	36000
24	43400	23500	37000	11800	2390	5010	29000	11600	18500	43000	20000	30600
25	39700	17200	32000	44700	4610	20600	---	---	---	36900	21200	27400
26	37800	20300	34000	47900	10600	34900	---	---	---	38700	24000	32900
27	37900	19800	29900	41200	10300	27100	35200	20500	29600	35000	23000	29400
28	39500	11600	28600	34300	23100	28900	34800	19900	29400	34500	23100	28900
29	---	---	---	32700	13800	23700	34300	20600	28800	31400	20100	25600
30	---	---	---	34800	11600	21100	33700	21300	29100	39400	20100	29800
31	---	---	---	42000	11400	23700	---	---	---	30500	18700	21800

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

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	43800	19000	24400	36300	18600	29700	40700	23400	34900	38500	22400	33700
2	43800	17200	28300	35500	20500	29300	40300	24200	35100	36700	18700	27700
3	19900	14300	18600	35600	18700	28600	40300	28000	36600	36700	18000	30200
4	26000	15700	22100	38200	15300	25700	40200	27600	36200	42000	21500	29500
5	37200	17500	29100	39800	18600	31900	41000	28100	37100	43700	22400	37600
6	35800	19300	29700	41600	19200	34100	42400	25600	36700	41500	26800	34000
7	33900	18200	27000	42100	18700	32500	34100	18200	24900	38400	24700	33400
8	33500	15300	25200	44000	17900	32500	43900	19000	30900	38500	15100	26700
9	40700	15300	26800	44100	18200	35300	44600	24200	35000	39700	10600	23500
10	31700	14100	24200	45000	18400	32700	43700	16000	28100	38100	7750	19700
11	34100	7670	20600	43400	15300	23000	46500	12800	28100	41800	7200	26100
12	35800	7250	21700	45700	14800	32800	39900	13700	24200	38900	6390	23400
13	26700	6610	13200	48500	26300	41300	43400	14300	28800	36400	4330	20800
14	6610	3110	4550	50100	34600	47000	45100	15500	30000	36200	4560	20000
15	3660	1640	2510	50200	23200	41000	45700	12600	31800	41400	3040	22000
16	4210	2020	2830	39600	20600	32700	39600	7420	25100	39600	4420	24400
17	13400	2350	4710	38900	22000	33300	43300	10900	30100	33500	12800	22800
18	23100	1160	7500	41300	24800	33900	44900	12500	32400	37600	15500	28100
19	22700	1210	7720	38200	23400	32500	44900	14400	32600	38100	9020	19700
20	27200	1030	11700	41300	23100	33100	43900	17000	30700	39100	10700	29100
21	33100	3840	16200	43100	25100	39200	46000	22600	38000	40400	21300	33400
22	38900	7990	20600	---	---	---	46000	27600	40400	38500	19600	30600
23	43400	8540	32000	42200	31500	38600	42400	28600	38300	39100	18500	30800
24	37900	14900	28500	42800	30300	38900	41100	20400	34300	39300	19700	32300
25	39600	16400	28100	36200	25800	31600	40000	17800	31300	41200	25800	36000
26	37400	12800	26800	41000	20700	26300	38100	15800	26500	42300	27300	37800
27	33900	12200	23500	41000	20500	30700	41100	16500	28700	42200	26600	38500
28	36500	15900	31300	40500	15000	28500	41700	17600	32900	41900	28700	38400
29	38700	26100	34300	39600	12600	28800	41700	23300	34700	41700	32200	39100
30	38500	18100	30100	38500	11400	25200	40000	21400	33200	42600	32700	40000
31	---	---	---	41000	16800	33900	37000	18000	30000	---	---	---

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	42500	36100	40500	44000	37200	42000	46300	25200	37900	44900	17900	34500
2	43000	35000	41000	42800	30500	38500	47400	22000	36600	44800	25100	37900
3	42900	37900	40800	43200	30300	38500	47400	20700	36800	44400	23000	36200
4	42100	32100	39600	43900	30000	39000	47100	17200	34400	44000	23600	38300
5	40900	30600	37600	45400	32900	41800	47500	16500	33300	43400	38700	41600
6	40800	28800	37200	45700	33500	41700	46100	18000	34200	41500	19900	31200
7	43100	34600	40400	45500	32900	41300	46000	17700	36000	43100	21200	35000
8	43900	34700	41300	45900	32500	41100	46500	21100	41600	42900	20100	33100
9	43800	35000	40000	45300	32700	41400	47100	22500	43000	45800	15400	32300
10	42500	33500	39600	46900	38300	44400	47900	36300	46100	43600	13400	30700
11	42300	33900	39000	47300	43900	46300	47800	19100	41800	43700	14200	31000
12	41600	29200	37600	47800	40200	45400	46200	24200	40000	46200	14300	33400
13	40500	33400	38400	47300	37500	44700	42500	24400	36400	46300	15200	33400
14	44300	27900	33900	46300	34000	42900	42200	23800	34900	42800	17100	33200
15	45000	29800	40000	46000	32600	42300	43600	25600	36800	43100	14100	31600
16	46400	19800	35200	46100	32100	41300	43800	24200	36100	43000	20100	36700
17	45300	28300	40700	47100	32800	42000	43900	16500	32100	42800	19700	34600
18	45000	19600	36200	47600	32700	41600	45300	19500	36200	42500	16800	34100
19	45000	13000	30700	47600	34900	43000	45300	14500	27300	42500	9550	28100
20	44900	11200	29000	48000	35200	43400	44900	12900	30500	42900	35000	40400
21	45500	12300	28400	48200	37700	44900	44200	12800	28800	44800	37800	41000
22	45000	12800	29500	48800	41600	46000	43500	13100	32300	43700	22700	39600
23	45400	13500	30300	49300	35800	44900	43100	10900	25900	38700	16300	30500
24	42600	13100	29100	47800	37900	43800	45600	14700	31700	34800	12800	25400
25	43100	12700	31600	47800	38600	44600	48100	12600	34700	43100	9690	26100
26	46900	40600	42700	47700	40000	45500	49200	11800	29200	46500	12800	32700
27	46900	43900	45500	47400	33900	44100	42600	9390	27300	42400	9980	27400
28	47100	45000	46500	46300	28700	41400	46100	10900	29100	40900	7280	25300
29	47300	43200	46100	46000	32200	39600	43400	13700	30900	39700	6340	25600
30	45500	34200	43400	45600	23800	37100	44000	13700	31600	39000	4930	21700
31	45700	38600	43600	---	---	---	45700	16700	34700	36600	5280	20800

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

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	43400	4390	15100	43800	31000	41000	---	---	---	25800	14900	20500
2	47000	14700	35900	42500	32300	40200	---	10800	23600	24900	13300	18800
3	46900	10200	34100	46500	20400	33800	---	8380	18600	25900	11200	17300
4	46500	9610	30100	42200	16500	31200	44600	7870	28600	23000	10900	15900
5	48300	13500	38200	43200	13500	30300	44900	12900	32700	35800	10800	23100
6	41000	15600	34600	43000	13000	31600	46300	17200	37500	23000	12600	18400
7	38200	11400	24100	41800	14400	33800	44200	25400	38700	21600	12400	16700
8	40900	10500	26000	41000	16300	33300	39100	20400	32200	---	---	13200
9	40400	9760	26800	40400	18400	31800	35000	25300	29800	28700	9350	14900
10	37300	12000	25400	43600	18300	36500	35000	18400	29300	27800	---	21600
11	41900	6180	23600	44200	37300	42000	30200	11300	21700	23900	13400	19300
12	46200	11800	31400	43400	24500	36200	34400	14000	23800	29100	15300	22900
13	47300	9840	30100	44000	21100	35700	41000	11500	26600	29900	11500	21400
14	44200	11200	28100	45700	23600	32400	30700	8650	20100	37300	11500	28200
15	43900	12700	34900	38200	21400	31800	38900	7300	18500	43200	25700	36300
16	42800	19200	32600	40600	20900	33700	34000	4760	16000	37300	24500	32300
17	46500	21300	41400	39700	19100	31200	37400	2940	17500	35600	23500	30500
18	46100	30700	39300	35700	8830	23300	40100	4420	22800	38000	23500	30900
19	40900	31500	39200	34100	8750	22100	39900	6340	23800	42900	26700	38100
20	38100	19300	32400	32300	7010	19100	41500	7600	26300	44800	31500	41000
21	35000	17300	28100	41900	5530	24500	36200	7330	20600	45000	35600	42300
22	41300	15500	28900	44100	11000	32900	45400	7560	28700	43800	35600	41200
23	42400	20100	34600	45600	16200	34100	46600	35100	41000	43000	35700	40700
24	42200	18500	34400	40000	13100	27300	35800	12800	28700	42000	35400	40500
25	40600	15800	30600	37400	10300	25900	47300	14300	30600	40200	28200	36700
26	40600	12400	27600	31500	7630	18100	46000	25000	37300	39900	29400	36000
27	44500	13200	28400	43800	7340	23800	37700	22000	33200	41200	29800	36300
28	45300	19100	38500	37200	9280	22600	34000	17500	27100	42900	31800	38500
29	---	---	---	36800	6480	20500	38700	17000	27000	42400	32100	38100
30	---	---	---	37600	4760	15000	40100	16800	28100	40800	30300	37400
31	---	---	---	---	---	---	---	---	---	38600	29000	34800

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	43600	27100	36200	46300	25600	39200	47100	40700	44600	42300	32200	38600
2	46100	24900	37800	45300	29100	38400	50400	27700	44900	41700	33800	38700
3	45600	24900	39300	41800	28200	37400	47600	30100	40600	40700	32900	37800
4	46100	21800	36200	44600	22500	39900	45100	30100	39000	40500	32600	37900
5	36500	18900	30500	47200	29900	41100	43400	20300	32700	40700	32900	37800
6	38400	21400	32700	41300	19200	32700	36800	11700	26100	41900	36200	39400
7	39300	26500	35200	40900	22300	32200	43300	12400	30200	40200	30800	37000
8	42200	24700	35600	43000	26800	35300	42800	16700	34900	39300	31600	36000
9	39800	26300	34600	41200	27100	35100	40800	19600	34000	39500	31200	35900
10	39600	25600	34900	42100	29800	37400	40700	22000	35700	43700	25800	37300
11	39300	25700	34300	41100	27700	36800	40200	23400	36100	43300	26200	36900
12	40400	27300	34900	41400	26700	37100	38500	24700	34600	43500	30800	38600
13	41100	26100	36100	40700	26700	35500	40500	23400	35200	42300	33400	38300
14	41700	26100	36000	42400	28100	35400	41600	22300	35800	40800	32000	37500
15	42400	27500	37200	43900	23400	33300	39800	24200	31500	40700	29300	35500
16	43500	29500	37900	46200	31300	39800	37600	22100	31700	42400	28800	37300
17	45600	30400	41700	46100	28500	40500	38500	24400	32600	43300	30000	39200
18	43200	32500	40200	46900	25600	40500	39300	26300	34100	40900	28000	35500
19	44100	32800	39600	45000	27200	36200	39400	26900	34300	37700	25100	32800
20	43600	27100	39400	41700	24200	35200	42100	29100	36800	37400	27100	33900
21	43900	31100	40800	39800	26100	34300	42000	28300	35500	39400	32500	36600
22	44600	31800	40200	42900	26400	35400	39600	24800	33800	40800	29800	38000
23	44600	33700	41200	42800	29100	34700	40600	25900	33800	42100	36000	40300
24	44100	33600	40100	42900	30400	38200	42500	25400	35500	43000	38400	41600
25	43300	30800	39200	41200	26200	34800	45300	25800	36800	42400	38000	40400
26	42100	29000	37000	42100	25600	35300	45300	35000	41100	40000	23100	34400
27	40200	26800	35700	39500	24400	32700	46600	36200	43200	41200	6820	15900
28	40300	24900	33900	42600	22100	31000	47300	36500	42700	41200	2790	18300
29	41400	22400	32400	39500	17400	26900	45800	34300	41400	39900	2080	15000
30	43300	23100	37400	46000	34700	39600	42500	30300	39500	36800	3610	17100
31	---	---	---	46100	37200	42700	42200	32200	39200	---	---	---

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.3	21.6	16.4	14.2	11.0	19.6	21.7	24.0	28.0	29.5	---	30.9
2	24.3	20.9	16.0	14.5	11.2	20.1	21.6	24.0	28.5	29.4	---	30.6
3	25.2	19.8	15.8	15.5	11.4	20.5	22.7	24.5	29.1	29.7	---	30.5
4	25.8	19.5	16.4	16.0	11.5	20.0	21.9	25.2	29.1	30.2	---	30.6
5	25.5	19.3	17.2	14.7	11.6	19.8	21.5	25.4	28.7	30.4	---	30.8
6	24.8	19.0	16.8	14.6	11.8	20.0	20.9	25.6	28.3	30.6	---	29.9
7	24.5	18.9	16.1	14.7	12.1	20.2	21.3	25.9	27.1	30.6	---	28.2
8	24.4	19.1	15.8	14.9	12.5	20.5	20.8	26.1	27.0	30.2	---	27.6
9	24.9	19.4	15.9	15.1	13.1	21.0	20.0	26.4	27.6	30.7	30.4	27.4
10	25.0	19.8	16.4	15.7	13.8	21.8	19.8	26.8	28.3	30.6	30.0	27.9
11	25.0	20.2	16.1	15.6	14.5	22.0	19.7	27.3	28.9	30.4	29.8	28.1
12	25.0	20.3	16.4	15.9	14.8	20.7	20.3	27.6	28.9	30.4	30.0	28.4
13	25.1	20.2	17.3	16.3	15.4	20.0	21.0	27.5	29.3	30.2	30.2	28.8
14	25.2	20.3	16.9	15.9	16.2	19.4	21.2	26.4	29.4	30.0	30.6	29.0
15	25.4	20.3	16.6	15.6	16.0	19.1	20.9	25.7	29.3	29.6	30.9	29.1
16	25.5	19.9	16.6	15.1	16.5	19.2	21.2	25.8	28.8	29.9	30.8	28.8
17	25.8	19.4	16.3	15.2	17.4	19.8	21.7	26.4	28.2	30.2	31.1	27.2
18	25.9	19.3	15.5	15.4	18.2	20.1	21.5	26.9	28.4	30.3	31.3	26.1
19	25.4	18.8	14.8	16.1	18.8	19.9	22.3	27.7	29.1	29.4	31.2	26.4
20	24.5	18.8	14.5	16.4	17.5	19.6	23.6	27.9	29.7	29.9	30.8	26.9
21	22.8	19.0	14.2	15.2	17.2	19.9	22.9	28.0	30.1	29.7	30.4	27.9
22	22.2	19.4	13.3	14.8	17.2	20.0	22.2	28.2	30.4	---	30.5	28.0
23	21.8	19.6	12.8	15.1	17.0	20.1	22.4	28.3	30.0	---	29.8	28.4
24	21.4	20.1	12.7	14.8	17.7	20.7	22.6	28.7	30.3	---	29.7	29.0
25	20.7	20.1	12.9	14.0	18.6	21.2	22.6	28.7	30.5	---	---	29.2
26	19.9	19.3	12.7	13.8	19.6	20.8	22.2	29.0	29.3	---	---	27.5
27	19.9	18.5	13.3	12.8	19.5	20.7	22.5	29.2	29.1	---	---	26.7
28	20.3	18.3	13.3	10.5	18.8	20.8	22.8	29.1	29.7	---	---	25.7
29	20.6	18.4	13.4	10	19.2	20.9	22.6	26.8	29.3	---	31.7	24.7
30	21.1	17.7	13.5	10.3	---	21.2	23.2	26.5	29.3	---	31.1	24.1
31	21.5	---	13.8	10.8	---	21.4	---	27.7	---	---	31.3	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.2	23.8	15.6	9.3	13.2	18.6	17.2	23.1	27.0	28.6	29.4	29.4
2	24.8	24.0	15.4	9.5	13.1	19.4	17.9	23.3	27.0	28.7	29.5	29.1
3	25.2	24.1	15.1	8.7	12.8	19.6	18.9	23.6	28.7	28.6	29.5	28.9
4	25.3	24.2	13.5	7.9	12.2	18.6	19.8	24.6	28.7	28.5	29.6	28.9
5	25.7	24.3	13.3	7.7	12.4	17.7	20.7	25.0	27.9	28.4	29.6	29.0
6	26.4	24.3	13.1	8.0	12.7	16.7	21.5	25.1	27.6	28.8	29.7	28.9
7	25.5	24.0	12.8	8.5	13.1	15.2	22.4	25.4	27.8	29.3	29.8	29.3
8	23.2	24.3	12.8	9.4	14.1	16.2	22.8	25.2	27.9	29.8	29.6	29.1
9	19.8	24.2	13.1	9.7	15.2	16.1	23.1	25.1	27.5	29.7	29.3	28.4
10	18.5	22.9	13.7	9.6	15.4	15.3	23.4	25.5	27.3	30.0	29.3	27.7
11	18.2	21.2	14.4	9.6	14.8	15.4	24.0	25.9	26.5	29.8	28.7	28.3
12	18.4	20.0	14.5	9.7	15.0	16.1	24.1	26.1	26.7	29.3	28.0	28.2
13	18.7	19.6	13.6	9.6	15.7	16.8	24.7	26.2	26.8	28.4	28.3	28.0
14	19.1	18.1	14.3	9.9	16.4	16.4	24.9	26.0	26.5	27.2	28.5	27.5
15	19.7	17.0	13.9	10.4	17.3	16.4	25.4	26.1	26.6	27.3	28.6	27.5
16	20.4	16.8	14.8	10.6	18.4	17.1	23.0	26.1	26.6	28.9	29.0	27.6
17	21.1	16.8	13.6	10.8	16.8	16.4	21.5	26.2	26.5	29.1	29.0	27.5
18	21.5	15.6	13.0	11.6	15.0	15.6	19.4	26.7	26.8	29.3	29.0	27.9
19	21.8	14.3	12.2	11.9	14.8	15.3	20.5	27.4	27.3	30.0	29.1	27.3
20	22.2	13.9	11.1	11.3	15.5	13.8	21.1	27.4	27.8	30.3	29.0	27.4
21	22.8	14.0	10.6	11.2	16.1	13.7	21.5	27.3	28.0	29.5	29.0	27.5
22	23.3	13.5	10.1	10.8	16.1	14.7	22.6	26.5	27.8	---	28.9	27.7
23	23.6	13.2	9.3	10.5	15.9	15.4	23.2	25.0	27.5	29.9	29.1	28.0
24	23.6	13.0	9.4	10.5	16.6	16.3	23.3	25.4	27.6	30.1	29.4	27.9
25	23.4	13.4	9.3	10.5	17.4	16.7	---	25.6	27.7	29.8	29.6	27.2
26	23.0	13.4	9.4	10.6	17.6	16.8	---	25.3	28.1	28.4	30.1	25.9
27	22.9	13.9	9.7	11.3	18.2	16.4	22.0	26.0	28.0	28.1	30.1	25.1
28	23.1	14.4	9.8	11.8	18.4	15.7	22.3	26.4	27.5	28.6	29.7	24.6
29	23.3	15.0	9.4	13.2	---	15.5	22.6	26.8	27.5	29.1	29.6	24.1
30	23.6	15.7	8.9	12.9	---	16.5	22.9	26.7	28.0	29.4	29.4	24.0
31	23.6	---	9.3	13.2	---	17.2	---	27.9	---	29.1	29.4	---

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.9	18.8	19.5	11.9	17.8	14.4	---	26.5	27.1	29.4	29.5	29.5
2	24.1	19.6	19.1	10.6	17.6	13.0	21.1	26.9	27.5	29.6	29.1	29.3
3	24.2	20.0	18.9	9.7	17.3	13.4	21.7	27.2	27.3	29.7	29.3	29.1
4	24.1	20.4	18.7	9.6	16.7	12.2	20.3	27.5	27.8	29.2	29.6	29.3
5	24.5	20.3	18.6	10.5	15.8	12.3	19.4	27.2	29.3	29.2	28.0	29.8
6	24.6	20.0	18.8	10.1	13.9	12.5	19.0	28.4	29.2	30.3	27.9	29.7
7	23.3	20.2	19.1	9.9	13.5	12.9	19.0	28.7	29.0	30.8	28.5	28.7
8	22.8	20.5	19.6	10.0	13.7	13.9	19.5	28.3	28.7	30.2	29.0	28.3
9	22.8	20.7	19.8	10.6	14.0	14.5	19.9	28.1	28.9	30.2	29.0	28.6
10	22.8	20.8	19.9	11.2	13.8	14.6	19.8	27.9	28.7	30.4	29.0	28.6
11	23.2	20.8	19.0	11.6	13.3	14.7	20.4	28.6	29.0	30.7	29.0	28.7
12	23.6	20.9	18.0	12.1	14.5	15.1	20.2	28.4	29.5	31.0	29.2	29.1
13	24.1	20.6	18.6	11.9	14.5	15.1	20.1	28.1	29.7	30.8	29.0	29.5
14	24.2	20.0	19.1	12.0	14.1	15.3	20.9	26.3	30.0	30.4	29.0	28.2
15	24.1	19.8	18.7	11.9	15.1	16.3	21.0	24.8	29.5	30.2	29.4	28.4
16	23.5	19.6	19.2	12.4	15.3	17.4	21.6	24.9	29.2	30.2	29.9	28.9
17	22.6	19.3	19.7	12.4	16.1	18.2	22.1	25.9	28.1	30.2	30.3	28.9
18	21.0	19.1	19.6	12.7	16.1	19.3	22.6	25.7	28.2	30.1	30.7	29.5
19	19.8	19.5	18.5	13.5	16.0	20.0	22.8	23.6	28.4	30.6	30.7	29.9
20	19.8	19.7	18.0	14.1	16.2	20.9	23.3	22.7	28.5	30.9	30.6	29.8
21	20.4	18.6	17.0	14.2	16.5	20.4	23.8	22.6	28.4	30.8	30.4	29.9
22	21.3	18.5	16.4	14.5	16.1	18.7	23.4	22.9	28.0	30.2	30.4	29.7
23	21.9	18.5	16.3	14.9	15.4	17.8	22.2	23.0	28.0	30.4	30.9	29.2
24	22.6	19.4	16.4	16.0	15.5	17.6	23.9	23.2	28.4	30.1	31.1	28.7
25	22.6	19.7	16.5	16.1	15.5	17.8	23.8	24.5	28.7	29.7	30.9	27.2
26	22.9	19.7	15.2	15.9	15.6	18.3	23.3	25.3	28.9	29.9	30.6	26.0
27	22.1	20.3	14.1	15.4	14.1	17.7	24.6	25.7	29.0	30.5	30.5	25.1
28	20.7	21.0	14.2	15.4	14.9	17.7	25.7	26.0	29.1	30.7	30.3	25.4
29	19.5	21.3	14.4	16.3	---	18.5	26.0	26.6	29.6	30.9	30.5	25.7
30	18.2	20.4	14.0	17.0	---	18.9	25.9	26.6	29.4	30.0	30.4	26.0
31	18.1	---	13.5	17.7	---	---	---	26.7	---	29.6	29.9	---

02481000 BILOXI RIVER AT WORTHAM, MS

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

DRAINAGE AREA.--96.2 mi^2.

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

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

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

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1948 reached a stage of 25.3 ft present datum, from information by Mississippi Department of Transportation. Floods in 1916 and 1928 reached approximately the same stage and were at least 8.5 ft higher than that of Sept. 18, 1957, at a point about 1 mi upstream, from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 14	0500	3,280	13.79	Sep. 26	1930	*8,950	*24.99

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	23	112	41	118	49	250	24	32	113	146	23
2	23	23	69	75	208	803	174	22	18	60	114	16
3	20	22	50	110	130	659	119	19	11	39	475	13
4	19	22	41	82	91	273	94	18	8.7	28	159	11
5	18	20	36	161	79	167	76	16	7.0	21	365	11
6	17	18	32	1140	585	128	65	14	6.7	14	466	11
7	17	16	30	560	797	109	58	13	8.4	12	196	351
8	16	15	29	272	402	95	84	12	7.2	29	119	207
9	15	15	28	182	234	87	1330	11	11	34	118	94
10	13	14	27	140	172	109	901	10	25	24	110	54
11	21	13	28	117	132	102	554	9.5	40	17	63	36
12	988	13	28	120	110	426	981	9.1	27	19	43	25
13	635	13	36	222	95	867	502	8.4	19	285	36	20
14	2550	13	381	192	84	399	409	7.9	13	119	32	41
15	1200	13	257	154	75	227	262	7.2	10	75	28	40
16	351	12	124	112	69	174	182	7.0	7.9	51	24	27
17	177	11	145	94	63	141	135	8.1	6.6	38	22	18
18	119	11	279	85	57	117	107	9.3	5.8	28	19	15
19	93	11	158	88	54	100	88	7.9	7.0	18	17	13
20	77	11	96	140	121	91	74	7.5	12	13	20	12
21	66	11	70	119	238	445	63	7.1	11	9.8	29	17
22	56	11	58	99	138	721	55	6.5	14	9.4	64	33
23	50	20	71	88	89	280	49	6.1	10	8.5	77	61
24	46	44	77	85	71	160	45	5.9	8.9	6.8	53	41
25	42	107	63	140	61	125	41	5.6	14	7.1	38	1160
26	37	82	53	117	55	582	38	5.4	33	97	81	6870
27	32	57	48	93	50	858	35	5.1	48	98	85	6020
28	29	47	46	79	46	372	32	5.1	112	37	51	1360
29	26	86	50	74	---	210	29	5.1	86	19	33	384
30	25	179	48	69	---	159	26	33	71	242	31	226
31	24	---	44	65	---	157	---	48	---	373	31	---
TOTAL	6828	953	2614	5115	4424	9192	6858	373.8	691.2	1944.6	3145	17210
MEAN	220.3	31.77	84.32	165.0	158.0	296.5	228.6	12.06	23.04	62.73	101.5	573.7
MAX	2550	179	381	1140	797	867	1330	48	112	373	475	6870
MIN	13	11	27	41	46	49	26	5.1	5.8	6.8	17	11
CFSM	2.29	0.33	0.88	1.72	1.64	3.08	2.38	0.13	0.24	0.65	1.05	5.96
IN.	2.64	0.37	1.01	1.98	1.71	3.55	2.65	0.14	0.27	0.75	1.22	6.66

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1953 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	71.52	115.8	214.7	313.9	334.6	333.9	255.9	175.9	107.9	121.6	134.1	168.2
MAX	606	466	625	1091	986	920	997	1129	587	592	715	768
(WY)	1986	1980	1962	1998	1983	1980	1980	1991	1959	1989	1987	1998
MIN	1.23	4.37	24.1	15.9	40.0	34.1	24.0	4.47	2.84	4.64	7.05	5.35
(WY)	2001	1982	1959	1981	2000	1955	1963	2000	2000	2000	1954	1954

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1953 - 2002	
ANNUAL TOTAL	64866.9		59348.6			
ANNUAL MEAN	177.7		162.6		195.0	
HIGHEST ANNUAL MEAN					364	1983
LOWEST ANNUAL MEAN					28.7	2000
HIGHEST DAILY MEAN	4770	Mar 4	6870	Sep 26	9860	May 10 1995
LOWEST DAILY MEAN	3.8	May 27	5.1	May 27	1.1	Oct 19 2000
ANNUAL SEVEN-DAY MINIMUM	4.1	May 25	5.5	May 23	1.1	Oct 24 2000
MAXIMUM PEAK FLOW			8950	Sep 26	13500	May 9 1995
MAXIMUM PEAK STAGE			24.99	Sep 26	28.94	May 9 1995
INSTANTANEOUS LOW FLOW			4.9	May 28,29	1.1	Oct 21 1963
ANNUAL RUNOFF (CFSM)	1.85		1.69		2.03	
ANNUAL RUNOFF (INCHES)	25.08		22.95		27.54	
10 PERCENT EXCEEDS	385		351		446	
50 PERCENT EXCEEDS	64		50		65	
90 PERCENT EXCEEDS	12		10		7.9	

02481300 BACK BAY OF BILOXI AT OCEAN SPRINGS, MS

LOCATION.--Lat 30°24'20", long 88°50'52", in NW¼ SW¼ sec.25, T.7 S., R.9 W., St. Stevens Meridian, Jackson County, Hydrologic Unit 03170009, in the old US Army Corps of Engineers tide gage at the end of the West half of the old US Highway 90 bridge over Biloxi Bay.

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

PERIOD OF RECORD.--Water years 1973-75, 1977, 2000 (discontinued).

PERIOD OF DAILY RECORD.--
GAGE HEIGHT: October 1999 to March 2000 (discontinued).
SPECIFIC CONDUCTANCE: October 1999 to May 2000 (discontinued).
WATER TEMPERATURE: October 1999 to May 2000 (discontinued).

INSTRUMENTATION.--Water-stage, US Army Corps of Engineers record from October 1885 to March 1938 and water-stage recorder from April 1938 to September 1999; USGS stilling well and encoder with data-collection platform from October 1999 to March 2000. Datum of gage is NGVD of 1929. Water-quality monitor from October 1999 to May 2000.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--
GAGE HEIGHT: Maximum recorded, 2.93 ft, Mar. 15, 2000, but may have been higher during periods of instrument malfunction; minimum recorded, -1.76 ft, Jan. 20, 2000, but may have been lower during periods of instrument malfunction.
SPECIFIC CONDUCTANCE: Maximum recorded, 46,600 microsiemens, Dec. 2, 3, 1999, but may have been higher during periods of instrument malfunction; minimum recorded, 13,800 microsiemens, Apr. 8, 2000, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 29.4°C, May 22, 2000, but may have been higher during periods of instrument malfunction; minimum recorded, 7.8°C, Jan. 28, 2000, but may have been lower during periods of instrument malfunction.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--
GAGE HEIGHT: Unnamed hurricane on Sept. 19, 1947 reached a stage of 16.88 ft; Hurricane Camille on Aug. 18, 1969 reached a stage of 15.50 ft; Hurricane Betsy on Sept. 9, 1965 reached a stage of 14.60 ft; information supplied by US Army Corps of Engineers.

GAGE HEIGHT, FEET, OCTOBER 1999 TO MARCH 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	2.39	0.93	1.41	1.11	0.60	0.86	1.69	-0.07	0.73
2	---	---	---	1.37	-0.78	0.27	1.97	0.74	1.17	1.73	-0.20	0.74
3	---	---	---	0.85	0.15	0.49	2.22	0.94	1.65	2.29	0.12	1.17
4	---	---	---	1.07	0.40	0.72	2.15	1.26	1.69	1.55	-0.91	-0.14
5	---	---	---	1.24	0.22	0.76	1.97	0.91	1.46	1.18	-0.99	0.11
6	---	---	---	1.32	0.18	0.83	1.87	-0.03	0.79	1.60	-0.96	0.35
7	---	---	---	---	-0.05	---	2.19	-0.19	0.95	1.46	-0.75	0.27
8	---	---	---	2.10	---	---	2.17	-0.19	1.02	2.20	-0.34	0.77
9	---	---	---	2.46	0.26	1.30	2.61	0.26	1.32	2.50	0.01	1.02
10	---	---	---	2.43	0.40	1.43	2.36	-0.64	0.71	2.50	-0.19	0.89
11	---	---	---	2.30	0.30	1.19	2.22	-0.15	0.88	1.50	-0.15	0.63
12	---	---	---	1.93	0.13	0.97	2.76	0.39	1.39	1.26	-0.01	0.61
13	---	---	---	1.98	0.28	1.19	2.84	-0.22	0.88	1.26	-0.86	0.45
14	---	0.70	---	1.96	-0.01	0.86	1.36	0.06	0.81	0.71	-0.96	0.02
15	2.25	0.69	1.45	1.53	-0.08	0.61	1.32	-0.64	0.22	0.98	0.10	0.66
16	2.12	0.62	1.28	1.41	0.26	0.79	1.06	0.0	0.51	1.36	-0.21	0.55
17	1.87	0.22	1.02	1.30	0.50	0.93	1.36	0.17	0.72	1.79	-0.27	0.78
18	1.29	0.27	0.79	1.62	0.81	1.20	1.75	0.58	1.08	1.69	-0.75	0.55
19	1.67	0.08	0.86	1.90	0.95	1.43	1.80	0.05	0.93	2.25	-0.99	0.62
20	0.93	0.22	0.67	1.87	1.03	1.38	1.70	-0.37	0.65	1.59	-1.76	-0.08
21	1.29	0.17	0.80	2.35	0.56	1.49	1.62	-0.16	0.75	1.55	-1.12	0.26
22	1.42	0.72	0.98	2.60	0.38	1.51	1.79	-1.15	0.32	2.17	-0.10	1.04
23	1.17	-0.09	0.54	2.37	0.05	1.28	1.50	-1.25	0.19	2.13	-0.40	0.83
24	1.20	-0.08	0.71	2.31	-0.40	1.00	1.11	-1.52	-0.18	2.06	-0.89	0.02
25	1.78	-0.16	0.80	2.29	-0.31	0.87	1.10	-1.07	-0.09	0.33	-0.80	-0.20
26	2.02	-0.27	0.89	2.15	-0.58	0.79	1.10	-1.04	-0.08	0.23	-0.85	-0.34
27	2.08	-0.38	0.87	2.15	-0.26	0.85	0.66	-0.57	0.13	0.57	-0.32	0.18
28	2.37	-0.34	0.90	1.84	-0.30	0.70	0.68	-0.68	0.06	2.18	-0.08	1.24
29	2.54	0.31	1.32	1.33	-0.01	0.46	0.77	-0.21	0.24	1.32	0.31	0.76
30	2.70	0.85	1.73	0.76	0.13	0.43	1.03	-0.03	0.48	0.94	-0.91	0.06
31	2.73	0.99	1.77	---	---	---	1.60	0.05	0.78	1.08	-1.14	0.09

02481300 BACK BAY OF BILOXI AT OCEAN SPRINGS, MS--Continued

GAGE HEIGHT, FEET, OCTOBER 1999 TO MARCH 2000--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.32	-0.70	0.35	1.66	-0.04	0.82	---	---	---	---	---	---
2	1.29	-1.01	0.18	1.59	-0.59	0.62	---	---	---	---	---	---
3	1.31	-0.74	0.25	1.92	-0.12	0.96	---	---	---	---	---	---
4	0.92	-1.12	-0.11	1.29	-0.95	0.34	---	---	---	---	---	---
5	0.69	-1.19	-0.29	1.51	-0.33	0.56	---	---	---	---	---	---
6	1.17	-1.00	0.03	1.32	-0.09	0.66	---	---	---	---	---	---
7	1.10	-0.74	0.14	1.31	0.05	0.64	---	---	---	---	---	---
8	0.86	-0.56	0.22	1.34	0.47	0.96	---	---	---	---	---	---
9	0.69	-0.59	0.08	1.33	0.67	0.99	---	---	---	---	---	---
10	0.99	0.05	0.49	1.72	0.40	1.16	---	---	---	---	---	---
11	0.98	0.29	0.59	1.74	-1.10	0.76	---	---	---	---	---	---
12	1.38	0.17	0.70	1.46	-1.10	0.38	---	---	---	---	---	---
13	2.22	0.09	1.20	1.56	-0.64	0.55	---	---	---	---	---	---
14	1.72	0.04	0.94	2.00	-0.60	0.84	---	---	---	---	---	---
15	2.10	-0.54	0.94	2.93	0.02	0.55	---	---	---	---	---	---
16	1.86	-0.56	0.70	---	---	---	---	---	---	---	---	---
17	2.02	-0.48	0.79	---	---	---	---	---	---	---	---	---
18	2.04	-0.22	0.94	---	---	---	---	---	---	---	---	---
19	1.87	-0.41	0.48	---	---	---	---	---	---	---	---	---
20	0.90	-0.66	0.22	---	---	---	---	---	---	---	---	---
21	0.84	-0.32	0.31	---	---	---	---	---	---	---	---	---
22	1.30	-0.16	0.55	---	---	---	---	---	---	---	---	---
23	1.49	0.32	1.00	---	---	---	---	---	---	---	---	---
24	1.30	0.52	0.90	---	---	---	---	---	---	---	---	---
25	1.63	0.64	1.14	---	---	---	---	---	---	---	---	---
26	1.72	---	---	---	---	---	---	---	---	---	---	---
27	1.36	-0.42	0.54	---	---	---	---	---	---	---	---	---
28	1.55	-0.38	0.70	---	---	---	---	---	---	---	---	---
29	1.66	-0.27	0.78	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, OCTOBER 1999 TO MAY 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	41500	35700	38000	38500	32700	35300	43200	41200	42100	34100	31100	32300
2	41200	36500	38300	36200	28900	32400	46600	39500	42000	35700	30600	32500
3	41700	36200	39000	37900	32500	35500	46600	40600	43500	34600	31100	32800
4	42400	36200	39200	37300	33900	35400	44300	41500	43200	34400	29600	31200
5	40300	36100	38500	37300	31000	34800	43700	39200	41800	36500	29300	33100
6	41900	36900	39900	38000	32200	35300	44400	37500	40400	37100	30100	33800
7	41400	39300	40300	---	31600	---	44600	37600	41100	38000	30500	33800
8	41100	39900	40600	38100	---	---	45000	37900	41600	41500	31500	35400
9	40300	36100	37900	39500	32500	35800	46300	38600	42400	41500	32500	36300
10	37700	32700	34600	39600	32700	36200	46300	37100	41000	40700	32000	35500
11	35800	30700	32900	39600	32700	35900	45200	38400	41300	37600	30600	34000
12	34800	29600	31900	38400	32500	35100	45200	39700	42400	36200	29900	32700
13	33700	28400	31400	38400	32700	35700	44800	37500	40900	35700	27800	32100
14	35400	28500	31400	38200	31600	34900	44800	38900	41100	38200	27500	32900
15	36000	28300	32000	37500	32100	34400	41900	35700	38100	39000	31900	35800
16	33900	28000	31000	38100	33400	35800	41800	37200	39600	39000	31200	35500
17	33600	26900	30200	38200	35500	37300	42000	37900	40400	34900	29300	32400
18	33200	28200	31000	40100	36200	37800	42000	38600	40500	35000	28500	31700
19	35100	27400	31800	41200	37700	39700	41600	36400	39200	36800	27800	32000
20	35800	30300	33600	41100	36100	39600	41600	34300	38200	35400	26600	30800
21	37400	28700	34200	41700	35700	39000	41300	34200	37200	35600	28100	32000
22	37700	30100	34600	41700	35400	38600	41100	31300	35800	37400	30500	34200
23	35800	28300	32100	41400	34900	38200	39600	30600	35100	37000	29700	33400
24	36200	30300	33600	41200	33900	37800	38900	29300	33800	36200	27800	31400
25	36800	30500	33600	43000	33900	37700	38900	30100	34000	34700	29000	32200
26	37000	30200	34000	42400	34000	38000	39000	29800	34200	36100	29800	33700
27	37100	30300	34100	42500	35100	38600	39300	30300	35600	37900	32800	35500
28	37700	30300	34100	41500	35300	38300	40100	31700	34800	42400	34100	38100
29	38500	32100	35000	40500	36200	37900	38600	31100	35900	39600	33600	36500
30	40900	32900	36700	42700	36900	40300	40100	34000	37600	39300	30300	34000
31	40300	33400	36400	---	---	---	37800	31200	34700	39500	30200	34500

02481300 BACK BAY OF BILOXI AT OCEAN SPRINGS, MS--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, OCTOBER 1999 TO MAY 2000--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	41000	31100	36100	38100	31000	35200	27700	18900	23900	30700	24500	26700
2	41600	31400	36300	37400	30300	34200	25800	21100	22700	31200	24900	28200
3	40400	31300	36700	37600	30300	34800	23600	17900	21600	33000	23900	29100
4	39700	30800	35100	37400	29400	33400	21600	16000	18200	31700	25700	29400
5	40000	31300	34900	37200	31000	34000	21400	16900	19100	33200	24000	29500
6	40000	31200	36100	37100	31600	34100	23800	16800	19900	31800	23600	28300
7	39700	31400	36300	36400	31800	33700	23800	16700	21100	30900	23400	27700
8	39700	32200	36900	36800	32800	34900	19800	13800	16900	30500	23400	27700
9	39200	33000	36200	37100	33100	34900	23800	14000	20000	30500	23700	27300
10	38800	34100	37000	36500	31100	35000	23900	16100	20400	30000	23700	27000
11	38800	34100	36700	35900	28600	32900	25800	19400	23200	30000	23800	27000
12	40700	32700	36400	35400	28600	32200	24000	20600	22500	30000	25500	28000
13	42000	33000	37900	35400	29600	32600	23400	19800	21600	29800	25100	27300
14	40400	33100	36600	36500	29600	33200	23000	20200	21500	30300	24300	27100
15	43200	32200	37700	36600	31100	34300	22000	19100	20900	31900	25400	28400
16	41500	32400	36900	35800	31100	33900	21700	17200	19500	32000	25900	29400
17	40800	32100	37100	35000	29500	32500	19900	15500	17700	32100	26700	30100
18	40000	33400	37000	34800	29400	32500	22800	15700	18700	32500	26500	30400
19	38600	32600	36000	36400	26600	30100	24700	16400	20900	33200	26600	30300
20	39000	32100	35500	28000	22000	25200	24300	17300	21500	33500	26900	30700
21	39000	33900	35800	28000	20400	23600	25200	15600	20100	33000	25800	29600
22	38600	33800	36400	27800	17900	22200	27900	15600	22200	32000	25400	29000
23	43100	34900	38600	28700	19900	23800	30500	17700	24300	34500	26000	30400
24	40600	35900	37800	29700	20600	24300	28200	17100	23100	34600	27000	30900
25	39300	---	37700	26800	19400	23600	28100	16900	21500	---	---	---
26	38700	---	37600	25300	18900	22200	---	---	23300	---	---	---
27	37400	32100	35200	26000	19300	22200	30200	19200	24600	---	---	---
28	38500	32100	35600	26700	18500	23500	30700	18700	24700	---	---	---
29	38200	31500	35400	27900	18900	23600	31100	23200	27700	---	---	---
30	---	---	---	25600	19600	22600	30200	20600	27100	---	---	---
31	---	---	---	24400	18200	21300	---	---	---	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, OCTOBER 1999 TO MAY 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.7	21.7	14.3	14.6	9.4	20.2	22.8	24.1	---	---	---	---
2	23.7	20.4	14.0	15.6	10.0	20.9	22.9	24.4	---	---	---	---
3	24.9	18.0	15.0	16.8	10.7	21.3	23.5	24.6	---	---	---	---
4	25.6	17.2	16.3	16.7	11.4	20.5	21.9	25.0	---	---	---	---
5	25.1	17.5	17.2	13.8	10.7	19.4	20.2	25.4	---	---	---	---
6	23.7	17.9	16.3	13.0	10.5	19.7	19.7	25.3	---	---	---	---
7	23.5	18.0	15.1	13.0	11.1	20.2	20.4	25.5	---	---	---	---
8	23.9	---	14.8	12.9	11.8	20.7	20.8	25.8	---	---	---	---
9	24.4	19.3	15.1	14.2	12.7	21.6	18.4	26.2	---	---	---	---
10	24.8	20.0	15.8	15.6	13.4	22.4	18.4	26.7	---	---	---	---
11	25.0	20.8	15.6	16.1	14.7	22.5	19.4	27.4	---	---	---	---
12	25.1	20.7	16.2	17.1	15.8	19.6	20.8	27.8	---	---	---	---
13	25.3	20.5	17.3	18.0	16.5	18.3	21.8	28.3	---	---	---	---
14	25.7	20.8	16.5	15.5	17.5	18.1	21.7	27.6	---	---	---	---
15	26.0	20.4	16.3	13.8	17.6	18.4	21.5	26.3	---	---	---	---
16	25.9	18.6	14.5	14.3	18.4	19.2	22.2	25.8	---	---	---	---
17	26.4	17.9	14.0	15.4	19.3	20.3	23.5	26.0	---	---	---	---
18	25.4	17.6	13.4	16.1	20.1	20.6	23.4	26.5	---	---	---	---
19	24.4	18.0	13.0	17.0	20.7	20.1	24.0	27.4	---	---	---	---
20	22.4	18.5	13.4	16.9	18.7	19.4	24.4	27.7	---	---	---	---
21	20.7	19.1	13.1	14.5	17.5	19.6	24.2	27.7	---	---	---	---
22	20.3	19.7	12.2	13.7	17.1	20.4	23.2	27.9	---	---	---	---
23	19.9	20.1	11.6	14.5	17.2	20.7	22.4	28.2	---	---	---	---
24	18.1	20.6	11.6	14.0	18.5	21.5	22.5	27.8	---	---	---	---
25	17.6	20.4	11.1	11.8	19.2	22.2	21.9	---	---	---	---	---
26	17.9	18.9	10.8	10.1	20.2	22.5	22.0	---	---	---	---	---
27	18.6	17.6	11.0	8.9	20.2	22.1	22.2	---	---	---	---	---
28	19.4	17.4	11.2	8.1	19.3	21.8	22.8	---	---	---	---	---
29	19.9	17.2	10.9	8.6	19.4	21.9	23.4	---	---	---	---	---
30	20.8	15.5	11.6	9.0	---	22.8	23.8	---	---	---	---	---
31	21.5	---	13.1	9.1	---	22.9	---	---	---	---	---	---

302318088512600 BILOXI BAY AT POINT CADET HARBOR AT BILOXI, MS

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

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

PERIOD OF RECORD.--Water year 2000.

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

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

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

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 48,800 microsiemens, Aug. 5, 6, 2000, but may have been higher during periods of instrument malfunction; minimum recorded, 2,030 microsiemens, Mar. 5, 2001, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 32.8°C, Aug. 7, 2000, but may have been higher during periods of instrument malfunction; minimum recorded, 4.8°C, Jan. 4, 2001, but may have been lower during periods of instrument malfunction.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum recorded, 42,700 microsiemens, Dec. 5, but may have been higher during periods of instrument malfunction; minimum recorded, 5,940 microsiemens, Apr. 17, 18, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 32.7°C, Aug. 18, but may have been higher during periods of instrument malfunction; minimum recorded, 5.7°C, Jan. 4, but may have been lower during periods of instrument malfunction.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, JUNE TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	37400	28900	34900	46800	38400	43900	44600	41200	43100
2	---	---	---	37900	29500	35100	46400	40600	44300	43400	41000	42600
3	---	---	---	38100	29700	34900	46100	42200	44400	43200	41600	42500
4	---	---	---	38100	31400	34900	46900	43100	45500	44800	42300	43700
5	---	---	---	38100	31400	35600	48800	46200	47800	45100	40000	43300
6	---	---	---	39500	32700	37800	48800	43400	47100	42900	39200	41000
7	---	---	---	40200	38200	39300	48000	39600	44200	42800	40400	41400
8	---	---	---	40000	37700	39200	46200	43400	45300	43900	37900	41200
9	---	---	---	39800	33800	36800	46800	42500	45800	40700	37200	39400
10	---	---	---	40300	35300	38400	47300	37800	43600	40800	36800	39300
11	---	---	---	41400	40300	40800	46500	39900	43500	40600	35600	38400
12	---	---	---	41700	41300	41400	46300	38300	44300	39400	36700	38300
13	---	---	---	41600	41000	41400	46400	39100	43900	39100	35500	37900
14	---	---	---	42000	36100	40900	46200	39000	43600	41800	37100	40400
15	---	---	---	42300	37500	41000	45100	42400	44200	42500	40100	41500
16	---	---	---	43000	36400	41500	46900	43800	45900	42200	33900	38300
17	---	---	---	43500	35500	41300	47100	45600	46800	40800	33400	37700
18	---	---	---	43800	35800	42300	47500	45500	47100	41100	36400	39200
19	---	---	---	44100	35800	42500	47500	47000	47400	41200	33700	36600
20	---	---	---	44800	40100	43600	47400	42900	46100	41000	35300	37500
21	---	---	---	45400	37700	43300	46900	45100	46300	40800	33800	37300
22	---	---	---	44300	34100	42000	46400	40000	43300	41700	35500	39600
23	---	---	---	44200	36000	41800	44900	39700	42400	41300	33300	38600
24	---	---	---	45000	42700	44100	44400	40400	42600	40900	35800	39700
25	---	---	---	46500	44400	45600	45100	41600	43700	41500	31500	38700
26	38100	35600	36900	46800	37600	43700	45200	40100	44100	41900	33600	39500
27	37900	36300	37200	46700	39200	44000	45200	39500	43600	42900	36000	40800
28	37900	35200	37300	44900	39200	43300	45200	41200	44100	42300	39100	41300
29	37600	29800	35300	46600	40500	44900	45300	43000	44700	42400	37600	40800
30	37300	30300	34800	47300	38300	44900	44900	42000	43700	42000	36100	39600
31	---	---	---	47400	39400	44900	43900	42700	43400	---	---	---

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

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	41200	37300	39500	47200	41200	45000	41500	24900	38800	42400	25500	38100
2	41400	35500	39000	47200	40900	44000	38900	25200	33700	41800	24500	38900
3	41800	35700	39000	45900	42000	43600	41100	36000	39100	42800	41300	42100
4	42500	37200	39900	45800	42500	44900	40700	36400	40200	42800	39200	42100
5	42300	35300	40000	46200	44800	45500	40500	39600	40200	43200	40800	42700
6	42200	35600	40200	46100	43000	45000	41500	40000	40800	43200	32800	40800
7	40500	33000	36600	45300	41900	43600	41500	39300	40800	43000	32600	40000
8	37200	30700	33700	45900	42300	43900	41500	39700	40800	37800	29000	33900
9	40300	34400	37900	45400	41900	43800	41500	34400	40100	41800	28700	35700
10	39700	37000	38200	44800	40600	43200	41800	35600	39500	42300	30100	36100
11	---	---	---	44900	38900	42000	42300	31700	38400	42300	32100	37000
12	---	---	---	45400	40200	43600	41800	30900	36500	41100	32300	37000
13	---	---	---	45400	37200	41100	41600	33400	38100	41700	33500	39000
14	---	---	---	44000	36900	40400	41500	32200	37700	42300	33000	36500
15	---	---	---	43600	37900	40700	42200	31800	37900	41300	36900	38900
16	---	---	---	44000	38800	41000	42400	33900	39600	42400	36500	40600
17	45300	---	43500	42300	35300	38700	41300	25700	35600	42600	31800	41100
18	45400	38800	42700	42600	33500	36700	41800	32200	37000	44000	25700	36700
19	46000	40300	43500	40900	22400	33700	40800	26100	33300	41300	29500	37000
20	46500	42000	45000	42300	38500	40700	41700	31200	39500	41300	34400	38500
21	46600	39100	43300	42600	33700	41400	40100	31800	34800	41400	26100	39600
22	44500	41500	42800	43400	42300	42900	39400	24200	33000	41500	23900	37000
23	44500	41300	43400	43600	39800	42400	41300	28300	37300	41400	26100	37800
24	44500	42200	43300	41200	27600	37100	41100	26200	36200	41500	27000	38600
25	44700	41300	43300	37900	30000	35400	41000	26700	36200	41600	26900	37100
26	44800	41300	43300	40400	26400	37000	41000	29500	35600	41700	29800	36900
27	46300	41200	43300	42300	22600	37900	40900	32100	36800	41700	33000	38900
28	46700	40200	44200	42500	22900	38900	40800	23600	33100	36200	25300	29500
29	47100	40700	44300	40500	27700	37500	42000	29900	39400	37300	32400	35100
30	47200	40400	44500	41300	24200	35300	42600	40000	41900	35600	33500	35100
31	47100	41000	45000	---	---	---	42800	41300	42500	37300	33900	35400

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	43400	23900	36200	34200	24300	30300	30200	16900	26900	24600	18700	22300
2	43800	37700	42800	30200	24900	27600	28700	17500	23500	23000	20600	22200
3	44100	28700	40900	27000	22100	25600	23400	16300	20700	22500	20400	21900
4	44000	28300	39900	30900	11400	20000	21900	17800	20900	23300	19700	22000
5	42500	28100	39000	31800	2030	18200	20900	18100	19800	26400	20200	23300
6	42000	27100	36700	34300	5920	24900	19900	17600	19200	28000	19200	23800
7	39000	28200	32900	38900	14200	30200	19300	17400	18300	28800	18900	24200
8	31800	27200	30000	38400	20700	34400	18800	16400	17900	27000	18700	24000
9	32200	28200	30200	36300	19600	25300	17900	15500	17300	28100	18700	24400
10	36000	26200	31000	30200	21700	26700	17900	14800	17100	27500	19900	24200
11	39100	26500	35300	28600	19900	22700	17500	14700	16900	26600	19900	23700
12	39100	27900	33300	20600	11700	16500	16300	13700	15300	27800	20100	24600
13	31400	28000	29600	16200	5640	13500	15300	13300	14600	27100	20100	25000
14	31200	25300	28600	29100	4280	16700	16700	12700	14800	27900	18100	25000
15	30200	24300	27800	15100	6110	10300	20300	13900	16700	27800	24400	27200
16	30300	24000	26900	18700	2290	12500	19100	13900	17400	27000	21700	25700
17	29600	19400	24400	28400	3370	19000	19100	12000	15800	25100	23700	24500
18	31600	19000	25900	28900	10200	25000	19800	11500	17000	24000	23300	23700
19	33400	28100	31300	29100	13200	24300	25700	17000	20900	23600	22300	23400
20	33100	25200	29800	27600	11400	22400	26800	17800	21900	23900	22700	23600
21	31600	26500	29100	28000	22200	27400	26700	21100	23600	24100	20600	23000
22	31400	27200	29500	28000	26300	27300	23800	19900	22200	24400	17700	21900
23	37800	25400	30300	27400	22900	26100	20500	18200	19300	24900	17700	22500
24	37600	28100	31200	25300	22100	23800	19900	13400	18100	27200	20500	25100
25	37600	32700	34700	22700	14600	19200	24800	14400	20400	27500	18900	25000
26	35700	30600	33600	34100	15800	27100	24900	14900	21200	27900	18900	24800
27	34900	27400	32900	34700	19600	30300	26100	14900	20900	27700	20100	24900
28	34500	23300	29900	32500	24900	28900	26800	15800	21800	28200	21800	26200
29	---	---	---	27000	22500	25900	26800	16500	22000	29600	23300	27900
30	---	---	---	28400	19200	25300	24400	18400	21900	29600	25600	28700
31	---	---	---	29400	17400	25900	---	---	---	29900	22800	28300

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

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	28300	25300	27000	27300	23800	26100	33000	20000	29000	28500	20700	27400
2	28300	22500	25900	26400	16100	21400	32400	20000	27600	30400	18400	27000
3	28500	21100	26500	26500	13900	20800	33000	25400	29700	30300	22400	27400
4	28800	19900	25400	25500	14000	21400	33800	28400	31700	28800	19500	26400
5	27700	21600	24400	25000	12500	21200	33700	30500	32500	30700	24600	28500
6	29100	19700	26400	26500	18000	23800	34400	30400	33100	30400	21100	27100
7	30400	19200	26600	27100	19500	25100	34600	31200	33700	29200	13300	21300
8	30300	19200	27200	28000	24900	26500	33900	28500	32400	25500	12700	20000
9	---	---	---	29100	27400	28300	34000	32400	33300	26600	13100	21600
10	---	---	---	30000	27500	29300	33900	30600	32900	26600	21900	25300
11	---	---	---	29600	25100	27700	31800	20200	27000	29300	8510	25300
12	---	---	---	30700	20700	28000	26500	17200	22400	30800	14700	25600
13	---	---	---	31300	24300	28900	27200	23000	26000	27500	14200	22700
14	---	---	---	31100	28100	30400	29600	17800	27000	30100	13900	23800
15	---	---	---	36800	21400	29700	31400	26500	29700	29700	16100	25000
16	---	---	---	32900	21900	27900	31100	18300	28600	28400	21100	25600
17	---	---	---	39000	28400	34500	31300	18800	28500	28100	17100	23700
18	---	---	---	37000	24400	32500	31900	21100	29600	24600	19400	21900
19	---	---	---	36500	25800	33100	34600	22800	30400	22600	12600	17300
20	---	---	---	35400	24400	33000	34700	18300	30100	25000	12300	17700
21	---	---	---	37100	23200	33200	34500	26800	32600	26600	23500	25300
22	---	---	---	37400	28000	32800	34800	29900	33000	26200	18900	23900
23	---	---	---	37800	28600	33500	35000	28900	32500	26400	21800	24300
24	---	---	---	36700	29500	34900	33900	25600	29600	25300	15900	22600
25	---	---	---	33100	27100	30200	31800	24500	28700	31200	19100	28600
26	---	---	---	30600	25700	28200	31800	26900	29700	31100	27300	29300
27	---	---	---	33900	25200	30900	31800	26300	30300	31000	27400	29600
28	---	---	---	35200	19700	29100	32700	19900	29400	31900	29700	30900
29	26800	22900	25400	33800	29300	31500	32700	23800	30200	31800	27700	30300
30	26400	19300	24300	35700	33100	34900	32700	20200	29700	31800	28800	30900
31	---	---	---	35400	19300	30600	32100	20200	28500	---	---	---

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	32500	30100	31600	33800	27000	31400	42200	30100	37300	36600	24800	30900
2	34900	32500	33900	34300	27400	31200	41400	29300	37000	35800	27000	31800
3	34700	32700	34000	39300	27500	33800	41700	29600	38000	37300	24700	32500
4	34600	29300	33500	39300	27000	34400	42300	30700	36600	37700	32300	36900
5	35100	30000	32800	39200	27100	34100	42700	32700	37500	37900	32800	34700
6	35000	26500	31000	39700	30500	38100	41100	33000	38900	35600	22500	29600
7	35400	28500	31900	40000	37300	39500	40500	33600	37400	37300	24200	33500
8	34300	27900	31100	40200	38100	39200	39000	32400	36600	37800	37100	37500
9	35400	29700	32200	39200	36900	38200	39400	31200	35300	37800	36700	37400
10	35300	30700	33700	40800	37500	38800	40400	37500	39400	37500	24200	35600
11	35700	31700	33700	41700	38500	40500	42100	35400	40000	35200	22100	31600
12	36300	32700	34500	41900	39400	41200	42300	31900	37100	38000	22600	33600
13	34500	23700	31600	41400	36200	39100	38600	33300	35800	38200	25600	35600
14	39600	26700	31100	41300	34300	37500	38600	30000	34800	38200	27000	34300
15	41300	35700	39500	41100	33100	37400	37900	30300	34700	37700	20900	30100
16	39300	13200	32000	40800	31800	36900	36600	29000	32900	38600	33700	37500
17	38000	27600	36200	40700	31900	37000	35100	30400	33000	38600	28300	37100
18	37200	32200	35700	41100	31800	36900	36600	28100	34100	37800	26000	32800
19	36800	21200	32200	41600	33300	38000	36900	28400	34400	37100	18900	27400
20	35400	23900	32400	41000	33400	37900	37400	28700	35300	29300	20900	27300
21	35400	22300	30800	41100	37300	40300	37900	32500	36900	30900	24900	28400
22	34700	26000	32400	41200	40400	41000	37700	29200	34600	31000	23000	26000
23	34700	28600	32600	40900	36000	38000	32400	29500	30600	26600	21200	24000
24	---	---	---	39800	36900	37600	37100	26900	32200	29200	22100	25800
25	27800	24100	26000	40900	35200	38200	38500	26400	36600	32500	18600	25900
26	30900	21600	27100	41300	34100	37700	37900	29800	35400	36000	22000	30900
27	33100	26500	31100	37400	32500	35200	36900	24500	32600	36700	20700	31500
28	33900	28900	32900	37200	33400	35700	36900	26000	34600	36600	21800	30300
29	33500	30900	32700	38000	33500	35200	36900	27800	34100	32800	22000	26600
30	33200	31400	32400	42200	30800	36400	35800	25700	31000	26100	22300	24800
31	33700	29300	32500	---	---	---	36500	25900	31400	24800	22600	24000

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

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	32600	19500	25200	35100	28800	31400	---	---	---	24700	17200	23200
2	35100	21200	32900	32700	30400	32000	---	---	---	23800	19600	23200
3	35200	32400	34600	32100	19000	27600	---	---	---	23100	17900	21900
4	35100	20600	32300	34700	15700	31700	---	---	---	22200	17800	21100
5	34200	23000	30000	34800	29800	34100	---	---	---	21200	19500	20300
6	34200	29200	31600	34500	19700	31800	---	---	---	21400	18000	19900
7	34600	20600	29800	33600	28400	31800	---	---	---	22100	18400	20600
8	35400	19700	32100	31000	22500	28100	---	---	---	22900	20400	21500
9	35400	24900	34100	29300	21400	25300	---	---	---	22800	20600	21900
10	34300	22300	29600	36600	15400	25600	---	---	---	22500	17500	20800
11	32100	16300	25200	36900	30600	35700	21400	10300	16400	21800	16100	19800
12	34200	19500	31100	36100	28400	32800	25900	10100	18700	23100	17600	20900
13	34700	21400	32600	34300	24100	31200	28800	10500	21600	22700	14100	20900
14	34700	22600	30700	34500	16200	26700	23800	9010	15400	21300	14000	18800
15	34200	25600	32200	24300	19100	22600	22300	7690	15300	21100	15700	19500
16	34200	25000	31200	26600	21000	25100	19000	6930	13000	26200	16600	21300
17	34600	32000	33400	25500	18500	22900	18300	5940	13300	25900	17300	23300
18	34500	28500	32400	22300	15200	19600	17200	5940	13300	25100	15400	21600
19	34000	28600	31100	20600	15600	18700	17000	6740	14600	25400	14300	21800
20	30000	27600	28700	21200	15600	19900	18900	7470	15200	26100	17800	23600
21	31900	26100	29000	30500	13200	21500	19000	12700	17800	29600	22800	27000
22	33900	25400	31000	32800	12300	25600	19300	9840	16500	30900	21100	27800
23	34700	20800	30200	33100	29200	32000	24500	16700	20300	31200	25200	28200
24	35300	23900	31900	33300	25400	31000	25600	16200	21800	33400	24600	29300
25	34900	24500	31500	26300	12200	21700	25600	18400	22900	34400	24600	30800
26	33700	25400	30800	---	---	---	27400	15500	23200	33900	25400	31300
27	35000	21000	29900	---	---	---	29700	15700	25000	33300	24400	31200
28	35100	25400	32500	---	---	---	26000	16500	23300	33700	25100	30900
29	---	---	---	---	---	---	26200	20000	24200	34600	25100	31000
30	---	---	---	---	---	---	26400	20400	25300	33400	23800	30500
31	---	---	---	---	---	---	---	---	---	34200	23800	30100

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	35800	26600	33800	31700	27200	29800	---	---	---	34800	27900	31100
2	35800	34000	34900	30700	24900	27200	---	---	---	34500	26100	30500
3	35000	33900	34400	31000	26600	29000	---	---	---	34500	25300	30600
4	34000	30100	32600	31300	28800	30500	---	---	---	34400	27300	31200
5	32900	27700	30400	31100	22100	28900	---	---	---	34500	29200	32200
6	32900	29900	31700	30100	21400	26300	---	---	---	34700	27900	31800
7	33100	27600	31500	29100	20200	25300	---	---	---	34500	22900	29800
8	32500	24200	29500	30500	19800	24800	---	---	---	32800	21000	28800
9	32400	23600	28200	30500	18700	25500	32700	17700	25000	34300	22500	31100
10	30600	24100	28500	31700	21400	26700	30800	19200	25000	34100	28800	32900
11	32900	24300	29000	31500	21200	27800	30100	23400	27000	34800	31700	33500
12	33800	23100	30200	31300	21000	28200	28800	23000	25600	34500	27000	32200
13	33400	25500	31000	31000	20500	26700	30100	23900	26100	34000	22100	29400
14	34200	25500	31800	28400	24400	26500	31100	25100	28500	39400	25400	33500
15	34600	24200	31100	30600	24900	29200	30400	23000	26600	38100	32200	36600
16	34300	26200	32000	30500	28200	29600	29500	22200	25400	37300	35300	36500
17	34500	24500	31000	31500	27000	29700	33500	22800	28700	37100	34900	36300
18	32100	29600	30700	31900	30000	31400	34700	23600	30800	37100	34700	36200
19	33000	28800	31100	32400	27700	31100	35400	23700	31100	36600	26600	33600
20	33500	27900	31000	---	---	---	36700	25000	31200	33600	28300	30500
21	34200	24500	30100	---	---	---	35800	25300	30800	33800	29300	31400
22	35100	23300	29800	32500	19500	28100	31800	22900	28500	34400	25200	31000
23	33700	23800	30700	---	---	---	34800	23600	28400	34800	27400	32300
24	34600	25300	31400	---	---	---	34300	26900	30800	34700	26100	30600
25	34700	25300	31300	---	---	---	36700	25400	32800	30600	20600	26500
26	33900	22300	30800	33600	18300	28700	33200	29200	31200	---	---	---
27	33600	21600	30600	32500	20900	27200	34700	29000	32000	---	---	---
28	32600	20200	28000	34000	18700	24700	34700	30600	32700	---	---	---
29	31900	20700	28700	31200	19000	24100	34500	30500	33000	---	---	---
30	32100	20700	29800	31300	22200	27900	34800	25200	30900	---	---	---
31	---	---	---	34200	30900	32900	32700	26600	29600	---	---	---

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

WATER TEMPERATURE, DEGREES CELSIUS, JUNE TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	29.4	29.2	30.3
2	---	---	---	---	---	---	---	---	---	29.2	29.5	30.5
3	---	---	---	---	---	---	---	---	---	29.6	29.2	30.5
4	---	---	---	---	---	---	---	---	---	29.7	29.1	31.1
5	---	---	---	---	---	---	---	---	---	29.8	30.0	31.8
6	---	---	---	---	---	---	---	---	---	30.3	30.7	29.3
7	---	---	---	---	---	---	---	---	---	30.8	31.2	27.5
8	---	---	---	---	---	---	---	---	---	31.0	30.9	27.1
9	---	---	---	---	---	---	---	---	---	31.4	31.3	27.2
10	---	---	---	---	---	---	---	---	---	31.5	30.5	27.9
11	---	---	---	---	---	---	---	---	---	31.5	29.1	28.0
12	---	---	---	---	---	---	---	---	---	31.3	30.0	28.0
13	---	---	---	---	---	---	---	---	---	30.9	30.2	28.4
14	---	---	---	---	---	---	---	---	---	30.9	30.0	28.7
15	---	---	---	---	---	---	---	---	---	30.7	30.2	29.3
16	---	---	---	---	---	---	---	---	---	30.7	30.5	28.5
17	---	---	---	---	---	---	---	---	---	30.7	30.8	25.9
18	---	---	---	---	---	---	---	---	---	30.9	31.4	25.3
19	---	---	---	---	---	---	---	---	---	30.9	31.6	26.1
20	---	---	---	---	---	---	---	---	---	30.9	31.2	26.7
21	---	---	---	---	---	---	---	---	---	31.1	30.6	28.1
22	---	---	---	---	---	---	---	---	---	30.3	30.4	28.1
23	---	---	---	---	---	---	---	---	---	29.4	29.6	28.7
24	---	---	---	---	---	---	---	---	---	29.3	30.0	29.3
25	---	---	---	---	---	---	---	---	---	29.3	30.9	29.2
26	---	---	---	---	---	---	---	---	29.8	29.8	31.0	26.0
27	---	---	---	---	---	---	---	---	29.5	30.4	31.0	24.6
28	---	---	---	---	---	---	---	---	30.2	30.7	30.9	23.9
29	---	---	---	---	---	---	---	---	29.9	30.5	31.0	23.1
30	---	---	---	---	---	---	---	---	29.4	30.1	31.0	22.9
31	---	---	---	---	---	---	---	---	---	29.3	30.7	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.8	24.6	15.8	6.5	13.2	19.8	17.6	22.6	27.7	29.2	30.0	29.5
2	24.7	25.0	15.2	6.2	12.4	20.0	18.6	23.2	28.2	29.6	29.9	29.1
3	25.3	25.0	13.7	5.6	11.1	20.5	19.8	23.7	28.8	29.6	29.4	28.5
4	26.0	25.2	12.4	5.1	10.8	19.1	21.2	24.4	29.2	29.5	29.2	28.6
5	27.0	25.0	11.8	5.5	11.3	17.8	22.6	24.7	28.8	29.2	29.4	29.0
6	28.2	24.3	11.8	6.6	12.1	16.8	23.5	24.7	27.7	28.8	29.5	29.8
7	26.5	24.3	11.9	7.7	13.4	16.1	24.1	25.2	27.5	29.4	29.6	30.5
8	22.2	24.5	12.3	9.2	15.0	16.3	24.3	25.2	27.4	30.1	29.2	30.4
9	20.3	24.1	13.0	8.7	16.4	17.2	24.7	24.8	---	30.8	29.0	29.9
10	20.2	21.5	13.9	7.7	16.3	16.6	25.4	25.3	---	31.0	29.8	29.3
11	---	19.2	14.4	8.3	15.5	16.8	25.3	25.7	---	30.3	29.1	29.4
12	---	18.4	14.1	9.0	15.6	17.3	25.2	25.8	---	29.0	27.9	29.1
13	---	18.1	12.7	8.9	17.0	17.6	25.9	26.2	---	28.9	27.2	28.8
14	---	16.4	13.5	10.1	17.7	17.4	26.6	25.9	---	28.9	28.2	27.8
15	---	15.1	12.9	10.5	18.6	16.9	26.6	26.6	---	---	28.8	27.5
16	---	15.1	13.6	10.6	19.4	17.8	25.9	26.8	---	---	29.4	27.5
17	22.2	15.3	12.0	10.7	17.0	16.6	24.2	26.9	---	30.5	30.3	27.4
18	22.8	13.6	10	12.1	14.0	15.7	20.6	27.4	---	30.3	30.0	27.5
19	22.9	12.6	9.7	12.6	14.2	15.7	20.4	27.7	---	30.7	29.7	27.2
20	22.9	12.4	7.8	11.2	15.1	14.2	21.1	27.5	---	30.9	29.3	27.3
21	23.9	12.7	7.4	9.9	16.5	13.3	22.2	27.2	---	30.7	29.1	27.9
22	23.9	12.1	6.9	9.4	17.6	14.7	22.9	26.8	---	29.7	29.9	28.3
23	23.7	12.1	6.7	9.3	17.4	16.1	23.7	25.3	---	29.8	30.0	28.8
24	23.5	13.1	7.2	9.5	17.8	16.7	24.1	24.9	---	30.0	30.3	28.5
25	22.9	13.5	7.7	9.9	18.0	17.9	22.4	25.1	---	29.3	31.0	27.5
26	22.8	13.8	8.0	10.1	18.4	16.7	21.6	25.3	---	28.1	31.1	24.7
27	22.8	14.5	8.8	10.4	18.9	15.9	21.4	25.6	---	27.9	31.3	23.8
28	23.4	14.7	9.2	13.0	19.7	14.6	21.9	26.3	---	28.7	30.8	22.9
29	23.8	15.1	8.1	13.8	---	13.9	22.1	26.8	28.7	30.1	30.2	22.4
30	24.2	15.8	7.7	13.8	---	15.0	22.3	27.9	29.1	30.7	29.6	22.4
31	24.4	---	6.6	14.2	---	16.6	---	28.2	---	30.8	29.6	---

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

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.5	18.3	19.0	8.6	19.1	10.8	20.8	26.7	27.1	29.3	---	29.5
2	22.4	19.4	18.5	7.4	16.8	11.3	21.0	27.0	28.6	30.0	---	29.1
3	22.6	20.3	18.2	6.6	16.1	11.6	22.0	27.2	29.3	30.5	---	28.8
4	23.4	20.9	18.6	6.2	15.3	9.6	20.9	27.4	29.6	31.1	---	28.7
5	24.0	19.9	18.9	6.8	13.0	9.7	19.4	28.3	29.8	30.7	---	29.1
6	24.1	19.5	19.6	7.8	11.4	10.4	18.2	28.8	29.2	31.1	---	29.2
7	22.2	19.9	20.1	7.4	10.7	12.0	18.7	28.6	29.6	31.4	---	28.0
8	21.6	20.4	20.5	7.2	10.5	13.7	19.7	28.4	29.8	30.3	28.9	27.5
9	22.3	21.0	20.1	7.5	11.2	15.0	19.8	28.3	29.4	29.6	28.6	27.6
10	22.7	20.6	19.2	8.5	12.3	13.9	20.0	29.0	29.0	29.8	28.0	28.2
11	23.2	20.4	18.3	10	12.6	14.0	20.7	29.0	28.9	30.1	28.3	28.9
12	23.6	20.3	17.6	10.3	12.9	14.7	21.0	28.7	29.4	30.5	28.8	29.9
13	24.3	19.9	18.3	9.7	13.1	14.9	21.3	28.0	29.8	30.0	29.4	29.8
14	24.0	19.5	18.9	10.5	12.9	15.7	22.0	24.9	30.2	29.7	29.7	28.4
15	24.0	19.4	18.0	11.5	13.1	17.3	22.8	23.9	29.3	29.8	30.2	28.4
16	22.7	19.0	19.3	11.6	14.1	18.2	23.7	23.6	28.6	30.0	30.6	29.2
17	20.8	18.8	20.2	11.6	14.6	19.4	24.2	25.0	27.6	31.2	31.0	29.5
18	19.6	18.8	19.2	12.8	14.9	20.8	24.6	24.8	27.9	31.6	31.6	29.6
19	19.1	19.2	18.5	14.1	15.3	21.9	25.2	21.6	28.6	32.1	31.7	29.9
20	20.1	19.2	17.1	13.5	16.4	22.2	26.2	20.6	28.5	---	31.0	29.7
21	21.7	17.7	15.3	13.5	16.5	21.4	27.1	20.6	28.1	---	30.9	29.6
22	22.7	17.3	15.1	14.3	15.9	18.4	26.5	20.8	27.5	30.5	30.3	29.5
23	23.5	17.4	15.8	15.4	13.8	16.4	25.4	21.8	26.9	29.7	30.3	28.5
24	23.9	18.9	15.0	16.4	13.7	16.5	25.0	23.2	27.8	---	30.4	27.8
25	24.0	19.4	14.8	16.8	14.5	18.2	25.6	24.4	28.3	29.2	30.6	26.0
26	22.0	20.1	13.2	15.4	15.4	19.2	25.6	25.5	28.0	29.1	29.9	---
27	20.5	21.0	11.5	15.1	12.8	18.1	25.3	26.0	27.8	29.5	29.9	---
28	17.9	21.4	11.5	15.6	11.2	18.6	25.9	26.6	27.8	29.9	29.9	---
29	17.4	21.6	11.9	17.0	---	19.3	26.6	26.6	28.4	30.5	30.2	---
30	17.0	20.2	11.3	18.5	---	20.6	27.0	26.4	28.9	30.7	30.0	---
31	17.6	---	10.3	19.7	---	21.4	---	26.2	---	30.1	30.0	---

302110088464600 USCG BILOXI EAST CHANNEL RANGE FRONT LIGHT

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

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

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

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

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

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

EXTREMES FOR PERIOD OF DAILY RECORD.--
GAGE HEIGHT: Maximum recorded, 9.87 ft, Sept. 26, 2002, but may have been higher during periods of instrument malfunction; minimum recorded, 1.44 ft, Dec. 17, 2000, Feb. 17, 2001, but may have been lower during periods of instrument malfunction.
SPECIFIC CONDUCTANCE: Maximum recorded, 50,000 microsiemens, Aug. 8, 2000, but may have been higher during periods of instrument malfunction; minimum recorded, 3,220 microsiemens, June 12, 2001, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 33.8°C, Aug. 6, 1999, but may have been higher during periods of instrument malfunction; minimum recorded, 4.2°C, Jan. 3, 2001, but may have been lower during periods of instrument malfunction.

EXTREMES FOR CURRENT YEAR.--
GAGE HEIGHT: Maximum recorded, 9.87 ft, Sept. 26, but may have been higher during periods of instrument malfunction; minimum recorded, 2.07 ft, Jan. 7, but may have been lower during periods of instrument malfunction.
SPECIFIC CONDUCTANCE: Maximum recorded, 46,100 microsiemens, Oct. 15, but may have been higher during periods of instrument malfunction; minimum recorded, 6,140 microsiemens, Sept. 26, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 33.4°C, July 19, but may have been higher during periods of instrument malfunction; minimum recorded, 5.3°C, Jan. 4, but may have been lower during periods of instrument malfunction.

GAGE HEIGHT, FEET, NOVEMBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	4.63	3.04	3.80	5.75	2.70	4.14
2	---	---	---	5.29	4.58	4.84	4.96	2.58	3.74	5.49	3.49	4.28
3	---	---	---	5.04	3.71	4.55	5.32	2.64	3.91	4.19	2.47	3.35
4	---	---	---	5.18	3.47	4.47	5.27	2.89	4.04	3.93	1.85	2.80
5	---	---	---	4.76	2.79	3.63	5.33	2.70	3.93	4.22	2.02	3.00
6	---	---	---	4.67	2.28	3.46	5.40	3.01	4.09	4.24	2.81	3.62
7	---	---	---	5.24	2.46	3.74	5.38	3.30	4.24	4.24	3.05	3.69
8	---	---	---	5.14	2.83	3.88	5.21	3.38	3.96	4.51	3.63	4.12
9	---	---	---	5.68	3.39	4.29	4.44	3.39	3.88	4.33	2.74	3.70
10	---	---	---	5.71	4.32	4.78	4.48	3.38	3.87	3.82	3.07	3.43
11	---	---	---	4.70	3.48	4.11	4.91	3.84	4.39	4.16	2.71	3.40
12	---	---	---	4.48	3.81	4.14	5.04	3.79	4.56	4.55	2.77	3.65
13	---	---	---	4.64	3.88	4.25	3.94	2.99	3.53	4.90	3.40	4.16
14	---	---	---	4.63	4.09	4.41	3.99	2.82	3.39	5.34	3.24	4.18
15	---	---	---	5.07	3.83	4.38	4.02	2.53	3.33	5.18	2.76	3.99
16	---	---	---	5.00	3.73	4.34	4.42	2.55	3.39	5.25	2.84	3.99
17	---	---	---	4.89	3.34	4.03	4.32	1.77	3.08	5.21	3.20	4.16
18	---	---	---	4.99	3.29	4.14	5.54	2.58	3.89	5.01	3.04	3.93
19	---	---	---	5.19	3.05	4.03	5.28	3.46	4.26	4.98	2.76	3.83
20	---	---	---	4.82	3.04	3.85	5.47	2.89	4.06	4.83	2.99	3.90
21	---	---	---	5.13	3.05	3.88	5.23	3.12	3.98	5.20	3.46	4.29
22	---	---	---	5.48	3.05	4.16	4.87	2.03	3.57	6.57	4.52	5.15
23	---	---	---	5.48	3.43	4.21	4.90	2.79	3.78	5.86	3.10	4.33
24	---	---	---	4.89	2.90	3.84	4.78	2.72	3.54	4.33	2.85	3.71
25	---	---	---	4.89	3.19	3.91	4.20	3.09	3.66	4.24	2.70	3.41
26	---	---	---	4.39	2.82	3.60	4.20	3.30	3.78	4.53	2.76	3.65
27	---	---	---	4.03	3.16	3.64	4.35	3.50	3.94	4.82	2.88	3.88
28	---	---	---	4.06	3.26	3.66	4.69	3.85	4.15	5.30	3.00	4.13
29	---	---	---	4.45	3.56	3.89	4.41	2.90	3.80	5.79	3.25	4.42
30	---	---	---	4.41	3.64	3.96	4.87	2.24	3.51	5.58	3.50	4.57
31	---	---	---	---	---	---	4.70	2.18	3.58	5.38	3.20	4.33

302110088464600 USCG BILOXI EAST CHANNEL RANGE FRONT LIGHT--Continued

GAGE HEIGHT, FEET, NOVEMBER 1998 TO SEPTEMBER 1999--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.29	3.33	4.30	4.79	2.91	3.87	4.91	3.97	4.54	5.03	3.22	4.19
2	5.21	3.45	4.27	5.06	3.38	4.08	4.68	3.87	4.28	5.25	3.25	4.24
3	5.03	3.56	4.25	5.06	2.21	3.48	4.88	3.97	4.46	5.03	3.47	4.15
4	4.89	3.43	3.98	4.18	3.36	3.81	4.86	3.86	4.38	5.76	3.77	5.01
5	4.56	3.97	4.19	4.54	3.75	4.16	5.13	3.77	4.38	6.65	4.88	5.83
6	4.49	3.59	4.06	4.49	3.46	4.16	4.95	3.43	4.28	6.03	4.27	5.22
7	4.56	3.72	4.14	4.56	3.32	3.84	4.80	3.31	4.11	5.36	3.50	4.63
8	4.52	3.45	3.98	5.74	3.69	5.18	4.96	3.49	4.29	4.88	3.27	4.05
9	4.86	3.50	4.15	5.33	3.76	4.51	5.13	3.97	4.48	4.44	3.01	3.93
10	4.88	3.37	4.16	5.22	3.54	4.33	5.11	3.80	4.50	4.31	3.19	3.87
11	5.30	3.51	4.43	4.78	3.27	4.12	4.67	3.73	4.25	4.69	3.59	4.15
12	4.50	1.54	3.32	5.34	3.23	4.39	4.21	3.21	3.83	4.42	3.37	3.90
13	3.75	2.03	3.09	6.93	3.93	5.20	4.67	3.32	4.13	4.33	3.08	3.81
14	4.68	2.19	3.48	4.34	3.19	3.87	5.91	3.88	4.62	4.76	2.88	3.79
15	5.04	2.62	3.73	4.27	2.48	3.42	5.94	3.18	4.47	4.77	2.70	3.76
16	5.44	3.49	4.35	4.52	3.05	3.75	4.82	3.17	3.97	4.94	2.57	3.83
17	5.28	3.80	4.45	4.55	3.50	3.94	4.20	2.45	3.59	5.00	2.62	3.81
18	5.28	3.97	4.53	4.46	3.62	4.07	4.54	2.25	3.43	5.00	2.34	3.78
19	4.91	3.23	3.80	4.40	3.57	3.97	4.57	2.43	3.70	5.04	2.34	3.74
20	4.53	3.35	4.05	4.68	3.27	4.14	4.66	2.60	3.64	4.75	2.69	3.75
21	4.17	2.32	3.35	4.60	3.07	3.76	4.81	2.63	3.81	4.55	2.85	3.73
22	4.64	2.38	3.62	5.01	3.08	3.96	5.42	3.41	4.51	4.18	3.14	3.71
23	4.88	2.92	3.89	4.93	3.19	4.10	4.85	3.69	4.33	4.04	3.16	3.67
24	4.78	2.35	3.69	4.80	3.09	4.06	4.55	3.67	4.12	3.95	2.97	3.47
25	4.99	2.89	3.99	4.61	3.16	3.89	4.61	3.51	4.17	4.02	3.22	3.58
26	5.22	2.75	4.01	4.32	2.42	3.59	4.97	3.97	4.47	3.93	3.16	3.50
27	5.18	3.21	4.18	4.54	3.00	3.86	5.34	4.15	4.74	4.04	3.02	3.44
28	4.66	2.49	3.79	4.58	3.20	4.03	4.77	4.20	4.50	4.44	2.52	3.59
29	---	---	---	4.61	3.68	4.04	5.07	3.31	4.33	4.48	2.89	3.60
30	---	---	---	5.38	3.96	4.50	5.25	3.40	4.32	4.56	2.63	3.67
31	---	---	---	5.38	4.33	4.71	---	---	---	4.76	3.05	3.95
		JUNE			JULY			AUGUST			SEPTEMBER	
1	5.03	3.32	4.14	5.51	3.83	4.67	4.71	3.56	4.07	5.73	4.23	4.96
2	5.23	3.00	4.17	5.57	3.90	4.69	4.51	3.72	4.10	5.98	3.96	4.66
3	4.77	2.85	3.86	5.68	3.97	4.97	4.25	3.91	4.07	5.24	3.58	4.43
4	4.44	2.84	3.64	5.70	4.74	5.14	4.54	3.98	4.19	5.34	3.37	4.39
5	4.56	2.84	3.72	5.45	4.66	5.12	4.85	3.60	4.23	5.05	3.32	4.20
6	4.56	2.85	3.91	5.17	4.69	4.92	4.98	3.59	4.31	5.07	3.44	4.33
7	4.37	3.40	4.00	5.12	4.44	4.84	5.38	3.45	4.41	5.23	3.32	4.32
8	4.39	3.56	3.96	5.54	4.41	5.00	5.36	2.99	4.25	5.21	3.74	4.55
9	4.29	3.68	3.89	5.84	4.24	5.09	5.11	2.34	4.12	6.22	3.86	5.33
10	4.09	3.00	3.67	5.99	3.86	5.06	5.18	2.45	4.01	6.10	4.04	5.25
11	4.23	2.50	3.58	6.00	3.72	4.97	5.05	2.96	4.04	5.76	5.02	5.36
12	4.84	2.61	3.82	6.01	3.07	4.66	4.67	3.00	3.82	5.82	4.97	5.47
13	4.94	2.55	3.79	5.75	3.32	4.60	4.49	3.31	3.78	5.75	4.47	5.18
14	5.05	2.32	3.86	5.82	3.56	4.63	4.50	3.53	3.95	5.45	4.54	4.79
15	5.44	2.75	4.08	5.73	3.81	4.80	4.68	3.77	4.21	4.81	4.06	4.40
16	5.56	3.18	4.40	5.79	4.17	4.92	4.54	4.09	4.32	4.55	3.80	4.19
17	5.43	3.31	4.40	5.55	4.31	4.99	4.64	3.78	4.10	4.58	3.89	4.24
18	5.32	3.31	4.40	5.55	4.52	4.94	4.43	3.79	4.08	5.17	4.12	4.53
19	5.95	3.68	4.93	5.30	4.63	5.04	4.66	3.69	4.16	5.72	4.27	5.10
20	5.46	4.60	5.02	5.43	4.50	4.85	4.99	3.64	4.28	6.06	4.49	5.28
21	5.36	4.56	4.96	5.18	4.17	4.65	4.86	3.54	4.20	5.83	3.10	4.61
22	5.05	4.36	4.70	4.79	3.27	4.09	4.93	3.36	4.20	4.69	3.12	3.94
23	5.33	4.35	4.80	4.36	3.20	3.78	5.21	3.41	4.33	4.69	2.67	3.86
24	5.40	4.00	4.68	5.01	3.21	4.16	5.16	3.37	4.34	4.79	3.05	4.10
25	5.50	3.76	4.70	5.31	3.33	4.18	5.19	3.37	4.36	5.12	3.42	4.35
26	5.87	3.66	4.77	4.93	2.87	4.00	5.02	3.34	4.11	5.19	3.81	4.57
27	5.85	3.86	4.81	4.87	2.93	4.03	5.01	3.42	4.15	5.54	3.97	4.81
28	5.59	3.55	4.59	5.09	3.23	4.18	4.93	3.65	4.22	5.52	3.68	4.57
29	5.58	3.38	4.51	5.05	3.30	4.18	4.69	3.78	4.24	5.37	3.79	4.36
30	5.54	3.54	4.52	4.74	3.23	3.97	5.02	4.04	4.37	5.33	3.81	4.37
31	---	---	---	4.80	3.50	4.12	5.24	3.78	4.40	---	---	---

302110088464600 USCG BILOXI EAST CHANNEL RANGE FRONT LIGHT--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5.54	3.79	4.63	5.62	4.12	4.62	4.24	3.71	3.98	4.79	3.11	3.88
2	5.71	4.27	4.95	4.64	2.61	3.61	5.02	3.88	4.28	4.77	2.95	3.86
3	5.92	3.95	4.97	4.01	3.33	3.67	5.32	4.10	4.75	5.30	3.29	4.26
4	5.97	3.93	4.96	4.19	3.61	3.86	5.26	4.35	4.79	4.60	2.45	3.17
5	5.32	3.41	4.65	4.38	3.42	3.91	5.15	4.02	4.62	4.29	2.25	3.29
6	5.32	4.32	4.89	4.48	3.41	3.99	4.99	3.24	4.01	4.72	2.23	3.49
7	5.94	5.11	5.51	4.75	3.22	3.94	5.25	3.07	4.11	4.58	2.47	3.43
8	6.05	5.42	5.76	5.23	3.36	4.29	5.26	3.04	4.17	5.29	2.84	3.90
9	5.83	3.94	5.13	5.59	3.50	4.47	5.73	3.48	4.44	5.51	3.21	4.15
10	5.51	3.42	4.64	5.59	3.65	4.59	5.33	2.63	3.88	5.51	3.06	4.04
11	5.32	3.14	4.58	5.38	3.59	4.38	5.30	3.05	4.02	4.62	3.11	3.80
12	5.32	3.18	4.48	5.11	3.40	4.19	5.83	3.54	4.49	4.39	3.17	3.76
13	5.30	3.57	4.49	5.14	3.53	4.37	5.83	3.12	4.07	4.39	2.42	3.63
14	5.38	3.93	4.57	5.14	3.24	4.07	4.48	3.32	3.98	3.84	2.42	3.25
15	5.43	3.89	4.63	4.76	3.18	3.85	4.44	2.68	3.44	4.04	3.26	3.76
16	5.30	3.84	4.47	4.54	3.49	3.99	4.15	3.23	3.67	4.47	3.01	3.70
17	5.08	3.48	4.23	4.51	3.71	4.12	4.50	3.35	3.88	4.93	2.95	3.96
18	4.48	3.48	4.01	4.76	3.98	4.36	5.14	3.80	4.26	4.85	2.50	3.73
19	4.83	3.38	4.08	5.06	4.14	4.60	4.89	3.36	4.10	5.37	2.24	3.80
20	4.16	3.49	3.92	4.98	4.27	4.56	4.96	2.88	3.84	4.62	1.57	3.18
21	4.48	3.46	4.00	5.49	3.81	4.66	4.79	2.96	3.98	4.68	2.09	3.43
22	4.53	3.95	4.19	5.68	3.61	4.64	4.91	2.07	3.50	5.31	3.10	4.20
23	4.33	3.18	3.77	5.51	3.29	4.43	4.57	2.01	3.36	5.35	2.87	4.01
24	4.36	3.17	3.92	5.50	2.87	4.19	4.14	1.69	2.98	5.20	2.48	3.27
25	4.89	3.08	3.96	5.46	2.94	4.10	4.16	2.11	3.06	3.60	2.58	3.06
26	5.17	2.96	4.07	5.33	2.77	4.03	4.16	2.19	3.07	3.50	2.47	2.96
27	5.18	2.88	4.04	5.28	2.97	4.03	3.84	2.64	3.28	3.79	2.89	3.37
28	5.50	2.91	4.07	4.98	2.94	3.87	3.84	2.57	3.26	5.25	3.08	4.38
29	5.75	3.45	4.45	4.49	3.23	3.66	3.89	2.99	3.39	4.60	3.50	4.01
30	5.85	3.93	4.82	3.90	3.44	3.64	4.13	3.14	3.61	4.17	2.44	3.35
31	5.86	3.94	4.86	---	---	---	4.66	3.23	3.89	4.20	2.22	3.36

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.51	2.61	3.58	4.82	3.24	4.01	5.21	3.47	4.45	4.83	3.87	4.35
2	4.53	2.35	3.41	4.74	2.72	3.83	5.22	3.98	4.49	4.94	3.97	4.52
3	4.51	2.57	3.50	5.08	3.14	4.14	5.29	3.46	4.62	5.19	3.53	4.45
4	4.06	2.27	3.18	4.48	2.37	3.59	5.14	2.70	3.54	5.46	3.82	4.61
5	3.88	2.11	3.00	4.66	2.95	3.77	4.36	3.21	3.84	5.80	3.31	4.70
6	4.34	2.31	3.26	4.42	3.19	3.84	4.40	3.28	3.91	5.78	3.22	4.47
7	4.19	2.61	3.38	4.39	3.26	3.81	4.99	3.43	4.29	5.40	3.16	4.32
8	4.01	2.75	3.47	4.45	3.79	4.16	4.34	2.22	3.40	5.38	3.24	4.40
9	3.84	2.75	3.34	4.49	3.92	4.21	5.00	2.33	3.70	5.36	3.32	4.42
10	4.17	3.32	3.72	4.87	3.69	4.35	5.12	2.51	3.93	5.17	3.41	4.39
11	4.21	3.50	3.82	4.96	2.31	4.02	5.37	3.46	4.33	4.92	3.58	4.32
12	4.52	3.42	3.93	4.70	2.34	3.67	5.31	3.52	4.40	4.84	3.91	4.45
13	5.34	3.33	4.37	4.74	2.65	3.78	5.13	3.30	4.21	4.62	3.96	4.27
14	4.93	3.30	4.12	5.14	2.71	4.06	5.25	3.66	4.43	4.58	3.55	4.02
15	5.26	2.68	4.11	5.85	3.32	4.62	4.97	4.10	4.62	4.59	3.54	4.00
16	4.99	2.69	3.86	5.25	3.57	4.58	4.89	4.00	4.32	4.85	3.60	4.22
17	5.11	2.76	3.95	4.92	2.99	4.09	4.48	3.58	4.02	5.17	3.51	4.41
18	5.11	2.96	4.05	5.09	3.12	4.03	4.78	3.37	3.97	5.49	3.52	4.59
19	4.88	2.92	3.68	5.58	4.04	4.63	4.89	3.47	4.16	5.25	3.54	4.43
20	4.04	2.61	3.42	4.28	3.73	4.03	5.06	3.69	4.35	5.43	3.52	4.52
21	3.91	2.88	3.48	4.30	3.62	3.99	4.96	2.83	3.99	5.37	3.31	4.34
22	4.32	3.05	3.66	4.34	3.25	3.76	5.29	2.83	4.17	5.05	3.25	4.17
23	4.49	3.59	4.09	4.71	3.48	3.99	5.86	3.31	4.61	5.09	3.25	4.26
24	4.37	3.69	4.01	4.81	3.61	4.10	5.57	2.99	4.53	4.85	3.44	4.21
25	4.67	3.80	4.23	4.84	3.52	4.17	5.04	2.99	4.04	5.01	3.44	4.29
26	4.82	3.77	4.32	5.01	3.52	4.22	5.01	3.02	4.03	4.79	3.69	4.36
27	4.60	2.88	3.81	5.27	3.45	4.37	4.80	3.34	4.19	4.58	4.06	4.38
28	4.73	2.89	3.93	5.24	3.45	4.53	4.64	3.21	3.95	4.33	3.78	4.10
29	4.81	3.00	3.97	5.51	3.54	4.57	4.52	3.55	4.20	4.33	3.47	3.93
30	---	---	---	4.98	3.72	4.46	4.58	3.52	4.16	4.71	3.58	4.16
31	---	---	---	4.68	3.31	4.12	---	---	---	5.21	3.88	4.53

302110088464600 USCG BILOXI EAST CHANNEL RANGE FRONT LIGHT--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	5.46	3.30	4.37	5.60	2.66	4.27	5.21	2.90	4.04	5.62	4.41	4.96
2	5.28	2.95	4.23	5.69	2.94	4.34	5.05	3.15	4.09	5.65	4.63	5.02
3	5.34	2.64	4.12	5.57	3.13	4.39	4.90	3.60	4.11	5.59	4.65	5.09
4	5.94	2.58	4.13	5.53	3.21	4.36	4.60	3.82	4.22	5.65	4.38	4.94
5	5.27	2.68	3.97	5.25	3.31	4.36	4.19	3.79	4.01	5.56	4.15	4.97
6	5.06	2.63	3.89	4.84	3.61	4.27	4.53	3.71	4.10	5.95	4.59	5.25
7	5.07	2.54	3.99	4.51	3.72	4.17	4.82	3.73	4.27	6.78	4.91	5.80
8	4.97	3.15	4.15	4.39	3.87	4.21	5.07	3.68	4.32	6.28	4.24	5.37
9	4.87	3.65	4.39	4.74	3.93	4.32	4.98	3.18	4.17	5.91	4.16	4.98
10	4.65	4.08	4.40	5.02	3.77	4.32	---	---	---	5.73	3.92	4.86
11	4.80	4.07	4.36	4.71	3.59	4.16	---	---	---	5.61	4.08	4.86
12	4.74	3.77	4.27	4.80	3.29	4.09	---	---	---	5.51	3.77	4.70
13	5.04	3.58	4.37	4.61	3.16	3.95	---	---	---	5.20	4.08	4.52
14	5.15	3.54	4.41	4.54	2.60	3.82	---	---	---	5.10	4.15	4.60
15	5.68	3.55	4.51	4.99	3.22	4.03	---	---	---	4.97	4.07	4.49
16	5.86	3.17	4.62	4.96	2.75	4.00	5.76	3.92	4.84	4.94	4.24	4.58
17	5.92	3.47	4.62	5.17	2.92	4.05	5.91	4.65	5.15	5.37	4.08	4.71
18	5.88	3.72	4.70	4.80	2.88	3.90	6.08	4.91	5.36	5.53	4.13	4.62
19	5.53	3.34	4.55	4.83	2.97	3.89	5.47	4.93	5.21	4.97	3.57	4.25
20	5.44	3.41	4.44	4.73	3.09	3.89	5.57	4.85	5.23	5.28	3.73	4.51
21	5.12	3.42	4.32	4.86	3.03	3.93	5.83	5.05	5.42	5.45	3.75	4.60
22	4.70	3.30	4.02	4.69	3.07	4.05	6.19	5.03	5.59	6.19	3.51	4.83
23	4.86	3.30	4.20	4.61	3.68	4.00	6.49	4.67	5.53	5.41	3.15	4.36
24	4.72	3.73	4.30	4.14	3.61	3.86	6.27	4.34	5.29	5.15	3.28	4.31
25	4.56	3.76	4.26	4.40	3.52	3.98	6.18	3.80	5.03	4.78	2.60	3.86
26	4.79	3.89	4.33	4.72	3.19	4.02	5.95	3.72	4.92	4.77	3.08	3.96
27	5.09	3.86	4.43	4.99	3.19	4.09	6.18	3.89	5.03	4.55	3.64	4.06
28	5.22	3.68	4.47	5.26	2.93	4.08	6.07	3.86	4.99	4.40	3.87	4.16
29	5.21	2.94	4.22	5.24	2.83	4.05	5.46	3.80	4.69	4.73	3.89	4.40
30	5.63	3.13	4.41	5.18	2.74	4.01	5.66	4.17	5.00	4.99	3.87	4.37
31	---	---	---	5.21	2.69	4.08	5.58	4.61	5.00	---	---	---

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	4.99	4.01	4.43	5.54	3.51	4.40	4.92	3.22	4.00	3.78	2.56	3.07
2	5.10	3.71	4.35	5.54	3.71	4.48	4.92	3.06	3.62	3.34	2.69	3.02
3	5.18	3.59	4.33	5.39	3.59	4.37	4.19	3.02	3.47	3.61	2.74	3.14
4	5.31	3.68	4.41	5.00	3.65	4.34	4.30	3.41	3.82	3.91	2.58	3.24
5	4.91	3.46	4.23	5.30	3.81	4.55	4.18	3.40	3.78	4.12	2.59	3.32
6	5.18	3.05	4.24	5.95	4.95	5.52	4.48	3.72	4.02	4.36	2.23	3.35
7	4.62	3.08	3.87	5.40	4.48	4.95	4.69	3.31	4.06	5.13	2.35	3.74
8	3.93	2.55	3.29	6.16	5.17	5.61	4.91	3.56	4.21	4.55	1.48	3.23
9	4.55	2.96	3.75	6.15	4.60	5.09	5.45	3.25	4.27	4.27	1.57	2.92
10	4.45	3.39	3.83	5.05	4.04	4.60	5.43	3.06	4.22	4.90	1.84	3.18
11	4.23	3.46	3.84	5.28	3.52	4.47	5.85	2.90	4.30	4.76	2.48	3.72
12	4.61	3.85	4.24	5.69	3.45	4.56	5.39	1.94	3.70	4.54	2.23	3.35
13	4.89	3.62	4.34	5.46	3.06	4.29	5.91	3.15	4.51	4.54	2.94	3.70
14	5.06	3.71	4.40	5.19	2.48	3.82	5.50	2.56	3.89	4.49	3.15	3.73
15	5.28	3.70	4.44	5.63	3.03	4.11	5.24	3.05	4.04	4.03	3.46	3.67
16	5.38	3.38	4.27	5.63	3.44	4.38	5.27	3.18	4.24	4.24	3.39	3.78
17	5.38	3.41	4.30	5.58	3.09	4.18	3.70	1.44	2.70	4.56	3.56	4.02
18	5.06	3.05	4.03	5.33	3.47	4.32	4.42	2.71	3.67	4.88	3.32	4.10
19	5.11	3.10	4.08	5.35	3.55	4.41	3.01	2.02	2.43	4.31	2.76	3.70
20	5.14	3.36	4.25	4.52	3.39	3.88	3.83	2.31	3.09	3.58	1.94	2.77
21	4.95	3.67	4.37	3.73	2.61	3.23	4.10	3.14	3.65	3.81	2.02	2.87
22	5.30	3.99	4.67	4.11	2.97	3.51	4.12	2.11	3.19	4.00	1.78	2.87
23	4.94	4.08	4.54	5.03	3.12	4.05	4.54	2.57	3.52	3.88	1.82	2.90
24	4.94	4.16	4.50	6.55	3.78	5.11	4.37	2.35	3.45	3.92	1.98	3.05
25	4.93	3.90	4.52	5.50	3.61	4.52	4.73	2.38	3.56	4.08	1.66	2.88
26	5.23	3.90	4.58	5.16	3.33	4.23	5.32	2.88	3.97	4.30	2.45	3.30
27	5.23	3.76	4.55	5.16	2.70	3.96	5.36	3.35	4.23	4.40	2.82	3.55
28	5.50	3.40	4.42	5.17	2.75	3.94	5.22	2.23	3.50	4.48	2.99	3.69
29	5.47	3.57	4.51	4.96	2.97	3.94	4.29	2.60	3.24	5.00	3.82	4.29
30	5.44	3.49	4.43	4.82	3.10	3.78	3.37	2.13	2.66	4.67	3.44	4.08
31	5.32	3.47	4.35	---	---	---	3.82	2.53	3.08	4.32	3.25	3.92

302110088464600 USCG BILOXI EAST CHANNEL RANGE FRONT LIGHT--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.31	2.78	3.56	4.83	3.39	4.03	4.92	2.91	4.02	5.52	3.33	4.51
2	3.84	2.54	3.15	4.99	3.49	4.23	5.10	2.95	4.10	5.18	3.78	4.55
3	4.15	2.18	3.26	5.98	3.45	4.66	5.10	3.23	4.28	4.87	3.88	4.48
4	4.39	2.15	3.29	4.40	2.74	3.60	5.22	3.43	4.33	4.79	3.83	4.35
5	4.28	1.89	3.13	3.92	1.96	2.97	5.10	3.60	4.37	4.73	3.82	4.33
6	4.81	1.94	3.38	4.08	1.69	2.85	5.05	3.87	4.45	5.00	3.54	4.40
7	4.93	2.27	3.58	4.37	1.80	3.13	4.98	3.89	4.44	5.21	3.54	4.41
8	5.18	2.40	3.62	4.64	2.34	3.57	4.85	3.69	4.37	5.63	3.45	4.50
9	5.15	3.03	3.92	4.41	2.75	3.73	4.97	3.61	4.34	5.54	3.18	4.41
10	4.18	2.63	3.34	4.81	3.67	4.19	5.13	3.66	4.44	5.57	3.35	4.51
11	4.01	2.95	3.50	4.84	3.90	4.41	5.90	3.87	4.79	5.61	3.45	4.55
12	3.97	3.47	3.72	5.52	4.15	4.77	5.43	3.89	4.62	5.34	3.45	4.42
13	4.31	3.40	3.77	4.93	3.30	4.26	5.23	3.31	4.46	5.28	3.28	4.32
14	4.29	3.35	3.77	5.97	3.34	4.46	5.16	3.24	4.27	5.00	3.19	4.18
15	4.49	3.20	3.81	5.97	3.90	4.77	4.88	3.59	4.20	4.88	3.40	4.16
16	5.00	1.80	3.83	4.93	2.92	3.99	5.11	3.14	4.17	4.55	3.45	4.10
17	4.27	1.44	2.92	4.86	2.62	3.76	4.03	2.76	3.46	4.50	3.74	4.16
18	4.28	1.98	3.18	4.94	2.92	3.98	4.35	2.63	3.62	4.54	3.87	4.23
19	4.98	2.73	3.78	4.81	3.38	4.18	4.43	3.14	3.81	4.54	4.06	4.24
20	4.73	2.80	3.73	3.79	2.84	3.19	5.10	3.71	4.32	4.62	4.00	4.26
21	4.99	3.17	4.03	4.04	2.24	3.24	5.12	4.27	4.62	5.21	3.58	4.46
22	4.63	3.25	3.97	4.06	2.89	3.48	4.94	3.96	4.53	5.18	3.09	4.15
23	5.16	3.22	4.03	4.41	2.99	3.68	5.12	3.86	4.56	5.59	3.22	4.31
24	5.19	3.87	4.53	4.26	3.48	3.92	5.10	2.80	4.15	5.28	3.20	4.31
25	5.17	3.84	4.20	4.12	3.18	3.65	4.76	2.90	3.98	5.10	2.81	4.14
26	4.59	3.51	3.89	4.51	3.18	3.72	5.15	2.78	4.05	5.49	2.93	4.36
27	4.09	3.31	3.75	4.65	3.12	3.84	5.11	2.84	3.95	5.33	3.05	4.20
28	4.31	3.27	3.92	5.36	3.58	4.53	5.45	2.84	4.19	5.10	3.15	4.33
29	---	---	---	5.54	3.74	4.82	5.31	2.96	4.20	4.84	3.31	4.14
30	---	---	---	5.19	3.35	4.36	5.71	3.30	4.56	4.51	3.29	4.04
31	---	---	---	5.27	3.05	4.19	---	---	---	4.48	3.70	4.09

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	4.75	3.65	4.13	5.33	3.90	4.60	5.14	3.67	4.37	5.53	4.00	4.67
2	4.69	3.57	4.11	5.77	3.86	4.71	5.86	4.00	4.87	5.46	3.79	4.67
3	4.84	3.21	4.17	5.78	3.82	4.72	6.27	4.55	5.38	5.39	3.97	4.78
4	5.15	3.12	4.28	5.66	3.31	4.56	6.28	4.51	5.41	5.09	4.06	4.65
5	5.66	---	4.34	5.68	3.21	4.41	6.39	4.74	5.51	4.93	4.15	4.64
6	5.85	3.21	4.58	5.41	3.29	4.35	6.16	4.49	5.34	4.88	4.20	4.61
7	5.72	2.95	4.49	5.37	3.37	4.36	5.40	3.93	4.75	5.40	4.49	4.88
8	5.29	2.57	4.19	5.08	3.42	4.23	5.09	4.00	4.50	5.56	4.28	4.84
9	4.97	2.93	4.08	4.93	3.48	4.16	4.61	4.25	4.47	5.91	4.09	4.81
10	4.87	3.22	4.15	4.77	3.46	4.11	4.60	4.07	4.33	5.77	3.88	4.58
11	7.68	3.12	4.61	4.71	3.45	4.01	4.98	3.61	4.36	5.26	3.66	4.48
12	4.99	3.13	4.31	4.60	3.17	4.04	5.15	3.69	4.33	5.90	4.46	5.20
13	4.68	3.65	4.32	4.23	3.50	3.92	5.17	3.64	4.29	6.59	4.22	5.39
14	4.83	4.01	4.48	4.19	3.60	3.83	5.40	3.42	4.37	6.52	3.79	5.18
15	4.47	3.84	4.18	4.87	3.87	4.35	5.62	3.49	4.61	5.92	3.62	4.73
16	4.15	3.40	3.81	5.15	3.85	4.49	5.90	3.39	4.80	5.38	4.08	4.66
17	4.38	3.28	3.77	5.12	3.61	4.41	5.51	3.35	4.56	5.26	4.16	4.80
18	4.83	3.52	4.11	5.61	3.34	4.51	5.61	3.37	4.61	5.34	4.25	4.83
19	5.18	3.02	4.15	5.73	3.09	4.47	5.83	3.62	4.77	5.49	4.48	4.99
20	---	---	---	5.37	2.91	4.28	5.64	3.77	4.68	5.62	4.08	4.80
21	---	---	---	5.64	2.88	4.29	5.16	4.11	4.63	5.78	4.33	5.00
22	---	---	---	5.82	3.14	4.69	4.92	4.45	4.69	5.78	4.23	4.89
23	---	---	---	5.95	3.63	4.83	5.07	4.22	4.63	5.74	4.15	4.85
24	---	---	---	5.62	4.06	4.97	5.20	4.06	4.57	5.76	3.88	4.72
25	---	---	---	5.60	4.51	5.05	5.23	3.68	4.48	5.49	3.66	4.55
26	---	---	---	5.17	4.11	4.67	5.37	3.67	4.48	5.36	3.91	4.59
27	---	---	---	5.22	4.14	4.55	5.22	3.78	4.40	5.22	3.88	4.58
28	4.36	4.08	---	5.21	3.61	4.40	5.28	3.10	4.28	5.28	4.06	4.67
29	4.69	4.01	4.35	4.96	3.30	4.23	5.31	3.48	4.42	5.49	4.21	4.81
30	5.48	3.93	4.59	4.86	3.25	4.14	5.42	3.83	4.60	5.17	4.25	4.66
31	---	---	---	4.94	3.00	4.00	5.54	3.59	4.67	---	---	---

302110088464600 USCG BILOXI EAST CHANNEL RANGE FRONT LIGHT--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	4.74	3.96	4.33	5.83	3.92	4.85	5.40	2.76	4.10	4.82	2.21	3.48
2	4.73	4.13	4.43	5.91	3.84	4.88	5.15	2.52	3.82	4.69	2.62	3.51
3	5.21	3.96	4.57	5.84	3.93	4.90	5.13	2.65	3.82	4.57	2.39	3.18
4	5.55	4.12	4.83	5.62	3.52	4.60	5.22	2.67	3.83	3.64	2.17	3.02
5	5.94	4.24	5.07	5.57	3.58	4.58	5.22	2.99	3.96	6.81	3.44	4.57
6	5.94	3.88	4.67	5.50	3.49	4.48	4.87	3.19	3.94	5.05	2.59	3.28
7	5.66	4.03	4.68	5.49	3.57	4.52	4.76	3.15	3.92	3.47	2.07	2.92
8	5.96	4.03	4.88	5.52	3.74	4.65	4.53	3.56	4.09	3.80	2.23	3.00
9	6.08	3.85	5.05	5.28	3.58	4.40	4.08	3.48	3.78	4.39	2.35	3.36
10	6.48	4.31	5.35	4.82	3.71	4.33	4.45	3.67	3.98	4.84	2.57	3.66
11	6.87	4.57	5.55	4.80	4.35	4.59	4.99	3.13	4.00	4.82	2.63	3.70
12	6.87	4.31	5.58	4.97	3.94	4.50	5.04	3.12	4.14	5.05	2.64	3.77
13	7.25	4.72	6.14	5.49	3.74	4.71	5.80	3.12	4.27	5.20	2.59	3.80
14	6.28	4.52	5.10	5.50	3.76	4.55	5.65	2.71	4.01	5.15	3.13	4.14
15	5.68	4.87	5.16	5.36	3.35	4.36	5.64	2.94	4.16	4.87	2.54	3.64
16	4.88	3.38	4.11	4.97	2.84	3.99	5.86	3.00	4.25	4.61	3.08	3.79
17	4.80	3.71	4.26	5.12	2.72	3.87	5.81	3.56	4.20	4.68	3.05	3.79
18	5.50	3.37	4.33	5.36	2.74	3.91	4.95	2.92	3.83	4.64	3.28	3.84
19	5.76	3.30	4.48	5.33	3.13	4.09	4.94	2.83	3.64	4.28	2.65	3.80
20	5.83	3.64	4.60	5.06	3.05	3.97	4.25	2.80	3.29	4.54	3.58	4.09
21	5.83	3.92	4.71	5.13	3.56	4.33	4.43	3.23	3.80	4.44	3.59	4.00
22	5.66	3.91	4.71	5.34	3.92	4.57	5.25	3.79	4.34	4.77	3.49	4.18
23	5.83	4.17	4.97	5.51	3.92	4.76	5.25	3.97	4.45	4.81	3.56	4.23
24	5.84	4.41	5.10	5.70	4.55	5.03	4.38	3.74	4.07	5.46	3.28	4.37
25	5.55	3.98	4.55	4.74	4.05	4.37	4.53	3.27	3.96	4.80	2.35	3.81
26	4.94	3.74	4.27	4.75	4.24	4.46	4.63	2.84	3.63	5.15	2.88	4.04
27	4.20	3.33	3.80	5.51	4.03	4.68	4.84	2.29	3.62	5.57	2.67	4.11
28	4.31	3.84	4.06	5.92	4.03	4.91	5.51	2.66	4.09	5.57	2.90	4.10
29	4.62	3.94	4.27	6.38	4.26	5.11	5.40	2.80	4.09	5.41	3.00	4.14
30	4.86	3.75	4.40	5.50	3.19	4.37	5.20	2.67	3.86	5.42	3.13	4.14
31	5.28	3.84	4.57	---	---	---	5.27	2.58	3.86	5.40	3.68	4.40

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	5.40	2.68	3.77	6.38	5.09	5.75	5.33	3.18	4.13	---	---	---
2	4.54	3.97	4.20	6.61	5.26	5.97	5.33	3.01	4.14	---	---	---
3	4.70	3.68	4.38	5.42	4.04	4.82	5.07	2.47	3.86	---	---	---
4	4.81	3.54	4.10	5.66	4.00	4.73	4.94	2.47	3.80	---	---	---
5	5.57	3.49	4.78	5.88	3.88	4.99	4.90	2.75	3.92	---	---	---
6	6.19	4.76	5.42	5.88	4.06	5.04	5.05	2.94	4.17	---	---	---
7	5.97	3.87	4.94	6.02	4.12	5.10	5.20	3.35	4.53	---	---	---
8	5.95	3.94	4.98	5.94	4.10	5.04	5.88	4.02	4.85	---	---	---
9	5.94	3.83	4.93	5.57	4.07	4.80	5.56	4.71	5.09	---	---	---
10	5.68	3.99	4.76	5.51	3.38	4.54	5.04	4.17	4.56	5.38	4.12	4.66
11	5.24	3.61	4.39	5.53	4.07	4.87	5.22	4.17	4.48	5.54	3.96	4.86
12	5.33	3.79	4.58	5.28	4.31	4.74	5.15	4.01	4.57	6.11	4.01	5.12
13	5.41	3.52	4.50	5.04	3.91	4.54	5.08	3.72	4.52	5.70	2.57	4.70
14	5.19	3.69	4.50	5.11	4.26	4.61	5.11	3.23	4.29	5.99	---	4.68
15	5.09	4.11	4.70	5.15	4.27	4.63	4.97	3.08	4.05	6.14	3.70	4.95
16	5.02	3.88	4.41	4.94	3.98	4.48	---	---	---	6.02	3.76	4.90
17	4.65	4.06	4.29	4.89	3.74	4.32	---	---	---	5.98	3.56	4.84
18	5.57	4.14	4.92	4.95	3.48	4.24	---	---	---	5.02	2.77	4.24
19	5.88	4.76	5.35	5.00	3.58	4.20	---	---	---	5.48	2.77	4.33
20	5.98	4.50	5.34	4.99	2.90	4.28	---	---	---	4.95	3.29	4.27
21	5.63	4.07	4.85	4.63	2.38	3.74	---	---	---	4.95	3.52	4.31
22	5.35	3.05	4.36	5.15	2.38	4.03	---	---	---	4.99	3.47	4.35
23	5.61	3.26	4.60	5.72	3.35	4.73	---	---	---	5.05	4.08	4.48
24	5.72	3.50	4.72	5.60	3.57	4.76	---	---	---	5.30	3.86	4.63
25	5.99	3.50	4.70	5.42	3.64	4.69	---	---	---	5.62	3.82	4.82
26	5.61	3.28	4.28	4.87	3.71	4.30	---	---	---	6.04	3.67	4.86
27	5.62	3.37	4.33	4.99	3.43	4.31	---	---	---	6.05	3.41	4.85
28	5.99	4.33	5.04	4.78	3.80	4.31	---	---	---	6.11	3.51	4.91
29	---	---	---	4.63	3.47	4.12	---	---	---	6.23	3.65	5.01
30	---	---	---	4.67	3.24	4.03	---	---	---	6.25	3.90	5.11
31	---	---	---	5.29	3.11	4.03	---	---	---	6.00	3.92	5.02

302110088464600 USCG BILOXI EAST CHANNEL RANGE FRONT LIGHT--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	5.40	3.94	4.67	5.30	4.17	4.82	---	---	---	4.84	3.07	3.95
2	5.26	4.00	4.65	4.97	4.36	4.75	---	---	---	4.86	2.97	3.93
3	5.04	4.04	4.68	4.92	4.32	4.57	---	---	---	5.03	2.86	4.04
4	4.85	4.27	4.68	5.14	3.90	4.53	---	---	---	5.10	2.97	4.07
5	5.19	4.52	4.88	5.13	3.58	4.47	---	---	---	4.86	2.99	3.96
6	5.33	4.48	4.88	4.89	3.65	4.26	---	---	---	5.24	3.58	4.44
7	5.39	3.98	4.72	5.14	3.34	4.23	---	---	---	6.01	3.74	4.75
8	5.55	3.89	4.78	5.51	3.57	4.49	---	---	---	5.08	4.06	4.48
9	5.99	4.25	5.14	5.63	3.64	4.58	---	---	---	4.54	3.72	4.17
10	6.45	3.76	5.14	5.91	3.77	4.79	---	---	---	4.44	3.37	3.92
11	6.10	3.61	4.89	5.91	3.69	4.79	---	---	---	4.50	3.02	3.72
12	6.07	3.45	4.77	5.79	3.47	4.82	---	---	---	4.97	3.34	4.00
13	5.91	3.47	4.69	5.72	3.50	4.65	---	---	---	5.39	3.48	4.44
14	5.68	3.19	4.57	5.15	3.69	4.32	---	---	---	6.44	3.34	4.66
15	5.96	3.27	4.57	4.50	3.60	4.11	---	---	---	4.88	2.85	3.86
16	5.47	3.50	4.48	4.34	3.73	4.14	---	---	---	4.57	2.67	3.59
17	5.23	3.52	4.68	4.38	3.82	4.11	---	---	---	4.35	2.79	3.52
18	5.02	4.29	4.80	4.55	3.70	4.15	---	---	---	4.21	2.84	3.56
19	5.15	4.44	4.78	4.80	3.59	4.20	---	---	---	4.33	3.12	3.75
20	5.22	3.89	4.55	5.31	3.42	4.32	---	---	---	4.60	3.47	4.03
21	5.43	3.92	4.64	5.50	2.94	4.27	---	---	---	4.77	3.88	4.32
22	6.13	3.74	5.01	5.26	2.86	4.25	---	---	---	4.84	3.97	4.35
23	6.22	3.97	5.11	5.28	3.15	4.19	---	---	---	4.84	4.11	4.47
24	6.57	3.84	5.21	5.46	3.33	4.37	---	---	---	5.55	4.26	4.60
25	6.34	4.00	5.20	5.44	3.18	4.32	---	---	---	7.94	4.89	5.48
26	6.02	3.61	4.97	5.01	3.41	4.26	---	---	---	9.87	5.89	7.42
27	6.29	3.65	5.10	5.02	3.71	4.32	---	---	---	6.20	4.29	5.06
28	6.04	3.66	4.97	4.71	3.86	4.28	---	---	---	5.69	3.94	4.77
29	5.77	4.05	4.89	4.91	3.92	4.44	3.97	3.07	3.50	5.55	3.63	4.52
30	5.46	4.06	4.83	4.74	---	4.30	4.21	3.13	3.63	5.48	3.76	4.66
31	---	---	---	---	---	---	4.55	3.19	3.79	---	---	---

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGRESS CELSIUS, NOVEMBER 1998 TO SEPTEMBER 1999

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	37600	33700	35200	41700	37300	39100
2	---	---	---	---	---	---	36800	32100	35400	39200	36200	37800
3	---	---	---	39600	32300	35700	38300	35400	36500	39600	31500	35400
4	---	---	---	41200	33100	37500	40800	34400	37000	38900	28100	32600
5	---	---	---	40800	29700	35100	40800	33800	36300	38600	30200	35200
6	---	---	---	40900	32000	35100	40200	33700	36900	38700	34600	36100
7	---	---	---	40700	31800	36700	40900	33800	37200	36900	34500	35300
8	---	---	---	39500	33300	36500	40400	33300	37300	38200	34400	36500
9	---	---	---	37400	35000	36500	43000	39100	40700	37800	25900	32700
10	---	---	---	37000	34500	35800	41300	37500	39700	43800	27900	36000
11	---	---	---	38700	34500	36300	38000	33800	36600	43000	34200	41000
12	---	---	---	40400	37900	39100	44000	33500	38200	40300	29400	35700
13	---	---	---	39400	37100	38500	39800	35900	37400	38200	29600	36300
14	---	---	---	38000	35800	37500	42800	33000	36000	38700	32300	36400
15	---	---	---	39200	34000	37400	44700	34300	40000	39300	28500	35000
16	---	---	---	40600	34100	37000	42400	35300	39400	39200	30900	34600
17	---	---	---	45600	40600	44300	41400	32600	37500	36900	29800	34000
18	---	---	---	45600	41800	44400	43600	36800	39800	36200	28200	33100
19	---	---	---	42200	35100	38900	43600	36900	40200	37300	32300	35200
20	---	---	---	39300	36600	37700	41000	35900	38700	35200	32400	33600
21	---	---	---	40000	36000	37900	40300	36900	38900	35500	32300	33800
22	---	---	---	39800	34400	36700	42200	34700	39300	36100	30000	32900
23	---	---	---	37200	33400	35000	44500	38700	41700	33800	27000	30200
24	---	---	---	43600	33400	39300	44800	39700	42500	37300	27000	33000
25	---	---	---	43500	37300	41800	43900	40800	42600	38300	36300	37200
26	---	---	---	42200	37900	40400	44300	41500	43000	36600	30000	34200
27	---	---	---	43000	40900	42300	43400	41300	42600	33600	26800	30200
28	---	---	---	42600	37800	41000	42900	38200	39900	30300	24000	26400
29	---	---	---	40400	36000	37900	43200	37500	40500	34500	21600	26700
30	---	---	---	38500	33900	36900	40400	34400	37700	31900	25800	28400
31	---	---	---	---	---	---	42100	36300	39500	36000	22400	29600

302110088464600 USCG BILOXI EAST CHANNEL RANGE FRONT LIGHT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGRESS CELSIUS, NOVEMBER 1998 TO SEPTEMBER 1999--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	36400	30700	34200	38900	26600	33900	34800	25000	30200	33400	30200	32400
2	36500	29900	33100	37600	35600	36800	30600	23400	27200	33700	28700	32300
3	36700	29000	35200	36700	26000	32500	25000	15900	22300	33600	28700	32200
4	35900	28900	31900	35700	32000	34400	25900	14600	21500	34600	28000	32800
5	35700	28200	31500	35300	27500	32500	24600	17600	21100	38900	30100	34900
6	29600	20600	27100	34100	27500	30400	30200	15900	24200	37500	30100	34500
7	25000	9790	17700	38200	28200	33900	29100	18000	25300	36300	32000	34700
8	27300	12500	23400	40700	27100	34200	28500	18900	22700	35100	31300	33400
9	23600	14700	20300	40700	31600	36500	25900	18900	23700	35400	31800	34100
10	18100	10200	15300	38800	36900	38000	25500	20300	23800	34300	32600	33500
11	14100	4630	8860	38000	33700	36800	24300	20200	22600	33800	31200	32900
12	27900	6120	10500	36500	30400	33700	33100	21000	29300	32600	30600	31800
13	35700	17900	28900	33100	25300	28800	31700	28300	30300	33500	30000	31800
14	39900	29000	33000	31500	22600	27600	30700	25400	29000	36200	29000	33600
15	35000	20400	25500	36400	12000	23900	29500	25500	27400	34900	30400	32800
16	25000	19300	21900	40800	33000	36500	30100	24400	28000	36000	31900	34300
17	27600	20600	23500	34700	25800	32300	32000	23600	27800	34400	31100	33100
18	33400	26600	30000	32000	26000	29200	31800	23600	27300	33900	30300	32400
19	32300	24000	27500	33600	18800	27900	36900	24800	30500	35100	30000	32600
20	30500	25400	28800	27500	17000	22200	32700	24300	30200	35800	30800	33400
21	32100	25100	27900	40600	16200	33400	33000	25100	29800	35100	30300	33200
22	34500	25300	31500	38800	27300	34000	34400	28400	31800	35500	31600	33100
23	33400	27900	30900	27900	19700	23000	34100	28300	31700	36700	30100	34200
24	36000	25900	31900	22100	14500	19200	31500	27800	29900	35300	29100	33100
25	37000	32800	34500	39700	16700	27200	34800	27500	32100	34900	31500	33700
26	35600	28700	32600	40600	28400	37600	33500	30100	31800	35400	30200	32500
27	35700	27400	31100	39400	34000	35900	33600	30300	31600	35200	30600	33900
28	34800	25000	29800	35700	23100	28100	33400	30000	31900	34900	30600	33200
29	---	---	---	29500	27200	28800	33300	29300	30800	34900	32100	33400
30	---	---	---	31400	25400	28900	34100	32100	33100	33300	29300	32000
31	---	---	---	29900	24900	28100	---	---	---	33700	30500	31800

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	33900	29800	31900	29400	23300	26600	42400	32800	39200	41100	35800	39200
2	34300	28900	31500	28800	24200	26900	42700	32800	40700	40100	37600	38900
3	34000	26400	30500	27100	19200	24200	44300	42500	43700	41600	38300	39600
4	34700	25800	30400	26500	19200	24100	44100	39700	42900	40000	35800	38400
5	33200	26800	30700	28400	22300	26300	40700	37800	39900	40100	35900	38400
6	34500	27300	31900	27800	24800	26500	40100	37800	39400	40800	35900	39200
7	32200	28000	30100	30500	25800	28200	39400	38100	38700	41600	35700	38900
8	30600	27800	29000	30500	24200	27900	39200	32400	37000	42400	36900	39600
9	33400	27200	30400	31500	25900	28800	40000	33600	37900	43600	37600	41200
10	34100	26800	30600	31800	21600	27900	38600	29600	35800	45700	39300	43300
11	34200	24600	30500	30700	19800	26500	41000	30100	36300	45800	41700	44600
12	34200	25000	30100	29600	17300	26000	42500	30600	39000	45400	42000	43400
13	31700	23500	28600	32300	19300	26800	43000	34800	40000	44200	41600	43000
14	34000	23300	28900	38300	25500	34900	44300	36000	41400	42900	41800	42300
15	33800	23500	29100	36900	29400	34100	45600	37700	43400	43600	41500	42500
16	34300	25600	30600	34600	28600	32200	45200	40400	43200	43500	41500	42700
17	36000	27900	33400	30200	27600	29200	42100	38900	40500	45600	43500	44100
18	37700	29100	35600	28900	26200	27900	43100	36400	41200	45800	44600	45200
19	35800	31100	33600	29300	27200	28300	44000	37700	41700	45300	44400	44700
20	34700	30200	32300	28200	26600	27600	43600	39000	41800	45400	44000	44900
21	32000	30800	31500	31300	25300	27800	44300	38900	42600	45800	44000	45000
22	32500	30300	31200	31900	23500	29500	44400	40100	42900	46400	44800	45600
23	34400	29900	31500	34000	27300	31800	45100	39600	42900	47100	43100	45800
24	31900	27900	30400	37600	28100	34900	44200	40000	42400	45200	43200	44500
25	33600	26700	30900	34500	27700	31200	43000	38900	41700	45300	43500	44600
26	33600	22900	29000	36100	27200	32000	42600	38300	40800	47600	44400	46200
27	32800	20900	27700	38100	25800	33500	42000	38700	41000	47600	45200	46200
28	31800	19900	27900	40500	30300	36800	42500	40000	41400	46000	44500	45500
29	30300	21400	27600	38500	30100	35400	41900	40000	41200	46400	44800	45500
30	29500	21500	26700	37200	29000	34100	42600	40900	41800	46600	44500	45900
31	---	---	---	40300	31500	36200	42300	39200	41400	---	---	---

302110088464600 USCG BILOXI EAST CHANNEL RANGE FRONT LIGHT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	48000	44700	45900	46200	41900	44100	46900	45300	46400	43100	38200	41100
2	48500	46900	47800	44500	38300	41200	46400	41100	43500	42200	36800	40100
3	48000	46400	47500	44900	41900	43200	49200	40500	44600	44100	31500	39600
4	47000	45600	46300	44700	43000	43900	49600	46800	48300	42700	32300	37200
5	46900	44600	45900	43900	40400	42500	48100	46900	47600	42500	35500	39000
6	47400	44700	46500	42500	41500	41900	48600	44300	46500	43500	36300	40400
7	47200	41600	44900	42800	41700	42200	48600	44800	46900	44100	36900	41100
8	48200	41400	46100	44100	41800	42900	47400	44000	46100	44100	40300	42200
9	48200	43900	46500	44900	42100	43600	46600	43400	44700	43000	38400	40800
10	46100	42600	44000	44500	42900	43600	45600	42600	44000	40900	38800	39400
11	44900	40700	42900	45200	42500	43400	45900	43700	44500	41300	37600	39600
12	43200	38500	41500	46500	42200	43900	46100	41800	43700	41100	37400	39500
13	41200	36900	39000	46500	42600	44300	45600	41400	43200	40800	36700	39000
14	38000	35900	37300	45400	40900	43200	44800	43000	43900	43600	37200	42000
15	39000	36500	37600	45500	41300	43000	45200	42100	43300	42500	35700	38900
16	39000	36600	37600	45000	42000	44000	46400	43100	45000	40200	38500	39400
17	41200	35600	37500	46800	44400	45300	45800	44400	45000	41300	35800	38500
18	43300	39200	40800	46000	44600	45300	45700	41700	43800	41100	32100	35800
19	42800	38100	41000	45700	42600	44400	45200	43900	44600	42400	32500	37600
20	42600	40200	41500	43700	43100	43400	44400	40600	42900	41100	30700	35500
21	42300	41600	41900	44200	42600	43300	43400	39600	41700	41200	35200	38100
22	42100	37700	40500	45400	42600	43700	42200	40000	41300	41200	37300	39000
23	42100	38500	40300	47600	42000	44000	42800	38300	41000	42700	35700	38000
24	42500	39700	41000	47600	41300	44700	43200	36200	40100	42700	34900	36600
25	41600	40000	40900	47800	42200	45100	44100	38400	41400	41200	34400	37700
26	42300	39400	41200	47300	42000	45200	44400	37900	41300	42500	35700	39800
27	42900	39000	41200	47000	42700	45100	44300	39400	41900	44200	40400	42600
28	44400	38900	41900	47000	42900	44800	43800	39900	41400	43600	32800	38300
29	43800	40800	42800	46000	42800	44200	44300	40400	42300	43400	38000	40100
30	44400	40300	42500	46700	44800	46100	44300	41900	42900	42600	35500	38900
31	45900	40800	43800	---	---	---	43200	39000	42000	44600	37300	41400

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	45700	40200	43200	45000	42100	43800	35000	24200	29000	38200	31800	36600
2	44500	39300	42400	44900	40900	43500	32400	24700	28700	36300	31800	34400
3	44400	40300	42600	44900	40800	43200	34500	24100	28200	36100	32200	34000
4	43000	36200	40700	44500	38300	41600	29900	24400	26100	40800	33900	37600
5	44500	39400	42200	44800	42900	43700	29700	24900	27700	41700	33600	37600
6	43900	37800	42300	44800	42100	43700	32000	25100	29500	35100	32600	33400
7	43800	40500	42600	44200	39900	42500	34700	24900	29700	33400	30400	31900
8	44000	40700	42500	41100	37100	38700	30600	26000	28700	33300	30200	31800
9	44400	41100	43000	39600	38200	39000	33800	26000	30200	34100	30800	32400
10	44500	42200	43700	41400	38100	39700	33600	26200	30600	37100	30800	34200
11	43600	42400	42900	41200	37200	39200	28900	20800	24300	36100	32100	34400
12	44200	42200	42900	41300	37200	39700	24900	19200	22300	37800	33300	35800
13	44800	41000	43000	42400	37900	40200	36000	21600	29600	36300	33200	35200
14	45600	40600	43700	41500	37700	39400	34700	25800	30300	36400	33500	35400
15	45300	41200	44200	41100	35500	39100	30900	22200	25100	37900	31500	35400
16	44600	41400	43000	42800	34800	38900	25100	21400	23700	38100	33500	36000
17	43400	39000	40800	44000	36500	40900	28800	20600	23500	36800	34700	36000
18	46000	36100	41800	43200	34400	38800	33400	23700	28600	36400	32900	35400
19	45800	36700	41400	38400	29700	34700	33400	27000	30200	34900	32500	33900
20	45000	39300	42800	36100	30900	34100	32500	26500	29200	37400	32000	34400
21	45400	41600	43600	39100	34800	37200	34000	26700	31500	38400	32200	35300
22	44700	39100	41900	36600	30900	34600	37600	27100	33000	37300	32600	35200
23	41200	36900	39200	36100	33400	34700	36000	26900	33800	36200	32200	35200
24	43000	38100	40200	33600	27700	30800	36800	28700	34000	35100	32900	34100
25	42800	37500	40700	36400	28100	31200	37400	28200	32300	35500	32900	34700
26	46600	37100	42800	39900	28100	34500	47800	28200	40400	35700	34500	35100
27	43500	37700	40500	38700	30200	34400	40800	35900	38900	36000	34400	35400
28	44300	39200	42300	36500	30100	33700	39900	27400	35600	36200	34500	35300
29	46100	40200	43400	35700	30000	32500	39000	34100	36600	40100	34100	36000
30	---	---	---	33300	30600	31400	39100	33100	36800	40400	36600	38600
31	---	---	---	36900	30500	33500	---	---	---	39400	34500	37400

302110088464600 USCG BILOXI EAST CHANNEL RANGE FRONT LIGHT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	37500	35100	36500	40200	31700	36300	---	---	---	---	---	45800
2	36200	33100	35200	42600	31900	37600	---	---	---	---	---	---
3	37400	33100	35300	41900	33600	39000	---	---	---	---	---	---
4	39800	33000	36600	40300	34300	38200	48500	42800	46800	---	---	---
5	38800	32100	35600	38900	34600	37100	49300	42800	47900	---	---	---
6	41600	32100	37100	38400	32200	35700	49900	46900	49100	---	---	---
7	44700	35400	41300	37600	32200	35900	49400	47700	48600	---	---	---
8	42900	37600	40500	36900	34000	35600	50000	46400	47900	---	---	---
9	40000	35900	37300	35800	32300	34400	47900	43300	46300	---	---	---
10	40200	36200	38000	35100	29700	32400	---	---	---	---	---	---
11	41300	38600	40100	38400	32300	34300	---	---	---	---	---	---
12	40700	37700	39400	41200	36600	38600	---	---	---	---	---	---
13	40100	34800	37800	42500	38200	40700	---	---	---	---	---	---
14	39300	34400	37100	42500	38200	40900	---	---	---	40400	38800	39900
15	39600	33200	36900	43900	39100	41200	---	---	---	42500	38900	41200
16	41400	32500	37200	45000	---	43200	48300	42400	46100	43700	40200	42300
17	40300	34400	37800	---	---	---	48400	43800	46600	43500	41600	42500
18	38900	34900	37300	---	---	---	48200	43900	46600	43100	41500	42100
19	37200	32200	35400	---	---	---	48300	44300	46800	42700	40600	41900
20	36500	32800	35000	---	---	---	47600	45600	46700	42000	39900	41200
21	38500	32300	35400	---	---	---	48100	46500	47600	43600	41200	42300
22	40000	31500	37400	---	---	---	48000	44200	46400	45500	41300	43800
23	40000	36200	38100	---	---	---	47600	45200	46000	44400	37900	41400
24	38900	36200	37800	---	---	---	47100	45000	45800	43900	36400	40700
25	38700	36300	38100	---	---	---	45700	43500	44900	43600	36300	40600
26	38700	36800	38200	---	---	---	46400	43400	45000	42700	37600	40600
27	39300	34800	37600	---	---	---	46600	43300	45200	43100	40700	41800
28	38600	34900	37100	---	---	---	47000	43600	45200	43500	41200	42800
29	38300	32300	36100	---	---	---	46800	44000	45800	42900	41200	42000
30	42100	32500	37200	---	---	---	46400	44400	45500	42000	40900	41500
31	---	---	---	---	---	---	46100	45400	45700	---	---	---

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	42100	41200	41500	48900	45300	46800	39400	35500	37000	43700	37800	42000
2	44000	41500	42500	49000	46400	47500	37100	30500	34600	45300	42600	43700
3	44600	42800	43600	48300	46600	47200	42900	34500	39500	44200	42000	42900
4	45900	44000	44700	47200	46400	46800	42600	39400	40300	43600	39800	41700
5	46600	44400	45800	47000	44500	46000	42600	40100	41600	43300	41400	42400
6	46500	41700	44200	48000	46500	47100	42000	40700	41300	44000	39900	42000
7	46300	42400	44500	48300	45400	47200	42300	40600	41200	43800	33400	40600
8	46900	44200	45800	48300	46200	47700	42400	40500	41600	42600	31200	36100
9	48900	46800	47800	46700	43900	45500	42100	39800	41200	49200	33900	41600
10	49200	47000	48300	48300	42900	45600	43100	38200	40800	48100	36800	43200
11	48700	48000	48500	48100	44800	46500	44700	38000	42200	45700	43000	44000
12	48600	46700	48000	47300	45100	46000	44500	35100	41000	44700	38500	42000
13	48500	46400	47500	46900	42000	44600	44700	41500	42900	45700	41800	43900
14	47900	46200	47200	45800	42200	44700	43700	37300	40900	44400	38500	41900
15	47700	46200	47200	45900	44100	45200	44200	40100	42500	45600	39700	42300
16	47600	46000	46900	45800	43200	45000	44200	37500	42400	46000	42600	44900
17	---	---	---	45300	41600	43800	43200	30200	38300	45400	39300	42600
18	47800	44400	46100	45200	41900	43700	43000	41300	41900	43300	39500	41600
19	47400	43700	45500	43800	29700	39200	41700	34700	37700	43300	31700	36700
20	46900	43600	45400	46000	37500	42200	42300	37300	41300	43000	23000	34800
21	47600	46000	46900	46000	34500	40200	42000	38200	39800	43100	38500	41100
22	46700	42800	45600	44900	41400	43600	41500	37900	40100	44400	34200	40500
23	46400	43400	44900	44000	37400	40100	41500	37800	40100	44400	32800	40200
24	47700	43400	45100	40300	32800	36500	41000	37300	39600	44900	35600	41400
25	47000	43600	45200	40400	29800	36300	43100	35900	39500	47600	34300	40700
26	46900	43600	45200	43200	34600	39000	42900	39400	41000	47600	35400	41200
27	47200	44300	45800	41600	29800	37700	45600	37600	41400	41200	35900	38800
28	47200	44100	45500	41300	32700	39000	45600	31200	39900	41200	31800	37400
29	47300	42900	45800	40900	35100	37500	44200	33700	39100	36900	29800	33200
30	47100	42800	45100	40000	34900	37300	42700	30100	36600	39700	34200	37200
31	47600	43500	45400	---	---	---	43700	39300	42400	44400	38200	40600

302110088464600 USCG BILOXI EAST CHANNEL RANGE FRONT LIGHT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	45500	36000	42500	31200	24300	28500	30200	22300	27100	32000	22600	27400
2	45200	37700	42500	29100	25200	26600	29600	19900	24400	31800	24900	28600
3	45100	37100	42200	27400	25300	26300	26700	18900	23500	28700	26300	27900
4	43900	32000	39200	27300	16200	22500	25200	17100	21700	29300	26500	28200
5	44900	34200	38900	35900	6290	22200	26700	16900	22600	29700	25900	27400
6	44500	35800	39700	43400	12100	30900	23800	16500	19500	28500	25900	27700
7	39000	30500	35000	44900	22800	35100	20700	12900	16000	28200	26000	27400
8	36600	29200	33000	41400	30200	35900	19700	13400	16600	30500	25100	27900
9	40200	29000	34800	36900	14800	23600	17100	11200	14500	30200	24500	27400
10	40800	31900	36200	36400	15100	29600	18900	10800	14200	29100	24200	26900
11	43200	33900	40800	24000	7330	15100	19000	8450	16400	31100	24700	27900
12	42300	33900	38300	15000	6050	10800	14900	6780	9370	29800	24700	27400
13	36400	29300	32800	33200	11800	23500	21300	5570	11700	28800	24100	26700
14	34200	29300	32300	31900	6290	24000	19700	10700	16200	28800	24100	26700
15	36900	27600	32400	26700	6290	15000	18300	13600	16300	28200	23400	26400
16	39300	20500	31800	21100	5880	16000	18500	14000	15900	27400	23700	26300
17	33000	22500	26600	30600	10900	25400	20200	14200	16300	27100	25300	26000
18	42300	26200	35000	29200	17700	22100	31000	16600	25000	25900	24500	25100
19	39900	31000	34900	29800	17400	23300	29100	27300	28200	25100	24300	24700
20	34700	28700	32000	26900	16500	20700	28100	18200	23800	24500	23300	24000
21	35600	28800	32300	27400	16600	23300	25100	18200	21300	25600	23500	24800
22	44200	30400	36400	27000	23600	25900	25500	17700	22600	26300	23600	24700
23	44200	32800	40100	26500	16700	23000	23700	17000	20900	31300	22400	26900
24	37900	31900	34300	23800	17000	21900	20000	15900	18600	30600	22600	27200
25	40600	32100	34800	26600	18900	22600	28800	17200	24500	31800	22600	27900
26	42100	36600	39300	36000	26100	30600	29600	21300	27400	34700	24300	29100
27	40000	30600	36300	31600	21900	27200	28600	23000	26500	33000	23800	28700
28	36900	29800	32500	25700	21700	23600	27000	23800	26100	32600	25600	29600
29	---	---	---	25100	22900	24300	26300	23800	25200	32200	25500	29500
30	---	---	---	27400	22200	24600	26100	23200	24500	30200	25300	28600
31	---	---	---	31200	22300	26600	---	---	---	30100	26700	28700

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	29300	27100	28300	26600	24400	25900	37100	28900	34500	34600	27800	30800
2	34100	26800	30400	27700	23900	26300	34100	28400	32200	32000	24700	29400
3	34600	25100	30600	30900	25300	28800	34400	28400	31600	34700	23000	30900
4	31400	28000	30100	28000	19700	25300	37300	31900	34700	29600	23500	27400
5	36000	27400	31800	29900	19500	25600	39000	32500	35900	30000	23500	27600
6	32900	25200	29300	34700	21000	28700	37900	28000	34700	31700	24000	28500
7	39300	25200	30600	32200	21000	29000	35000	25300	32100	29600	23800	27100
8	34800	23700	30100	30800	23800	28100	34700	26600	31700	31700	22200	25900
9	32700	24000	29000	34200	22800	29100	33800	29500	32500	31500	24600	28100
10	34200	25400	31200	30800	22800	28600	34600	30600	33600	35700	27200	31000
11	32200	4280	20000	32100	21600	29000	32900	26000	30000	37100	26200	33000
12	32400	3220	23700	32600	21600	28100	33400	21700	27700	32300	27300	30300
13	23200	4060	17400	36100	24300	30700	32100	17900	28100	28600	25100	26700
14	17200	4610	10800	42700	32800	37300	37100	27200	32100	33500	24200	27200
15	24700	6140	17300	43100	37800	41800	39700	31400	36900	35400	25000	31600
16	22800	11300	18300	40700	32900	36700	33300	19400	29300	32200	25400	29100
17	26800	16600	22200	37100	34200	35500	38500	26400	34100	31200	23500	27000
18	21300	11800	18500	37800	32600	35900	38600	26600	33900	27200	24800	26000
19	15500	7430	11900	35900	28100	33700	40300	29100	35800	26000	22100	24500
20	---	---	---	38200	27100	33600	37500	26900	34400	29500	23200	26500
21	---	---	---	40700	28400	35600	36700	27900	34300	31000	25500	28600
22	---	---	---	41000	31600	37200	37900	33200	35400	30200	28000	29000
23	---	---	---	40300	31600	37200	35000	30800	33300	29400	28100	28900
24	---	---	---	40000	34600	37400	33500	30700	32400	33200	28200	30500
25	---	---	---	38600	35000	37100	33300	30000	31500	33800	30200	32200
26	---	---	---	38200	33800	35600	34500	29100	32400	34600	31000	33000
27	---	---	---	38700	32400	36000	36700	27300	33600	34600	32700	33700
28	---	---	---	35000	27800	33000	36500	25800	32800	35000	33300	34200
29	26100	25000	25600	35500	26700	31600	34000	28800	32600	39400	34600	36500
30	27700	24400	26400	37000	24900	34100	34600	31500	33200	38100	35600	37400
31	---	---	---	36900	27700	33400	33700	27400	31100	---	---	---

302110088464600 USCG BILOXI EAST CHANNEL RANGE FRONT LIGHT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	38300	36700	37300	---	---	---	---	---	---	41400	34200	39100
2	39600	38100	38900	---	---	---	---	---	---	41000	35900	38600
3	39200	37800	38500	---	---	---	---	---	---	40100	31400	36100
4	38600	36200	37700	---	---	---	44700	37300	41600	39300	32200	36400
5	37600	36000	36700	---	---	---	42200	36500	39800	39300	33900	36900
6	38100	35700	36400	---	---	---	39200	35000	37900	36400	28300	33300
7	38500	36500	37600	---	---	---	38500	31200	36300	39400	22800	31100
8	38600	36500	37700	---	---	---	41300	35000	37800	39800	34500	37600
9	42000	34300	37700	---	---	---	44200	36700	40500	40500	34200	38300
10	43300	36800	39800	---	---	---	44400	41000	42900	39400	32800	37300
11	43700	38400	41000	---	---	---	43800	38800	41400	40500	35500	38600
12	43700	34500	39500	---	---	---	40500	37300	39000	45200	32000	40200
13	43400	33300	40800	---	---	---	39800	35000	38600	44400	34900	41500
14	44500	28600	37400	---	---	---	41100	35800	37600	40300	30600	35400
15	46100	39400	43200	---	---	---	44400	36000	39600	45000	30600	37100
16	41700	32800	36700	---	---	---	42000	35800	39800	44800	38000	41400
17	40700	37200	38900	---	---	---	40300	35400	37800	40600	31300	37000
18	40800	35400	38700	---	---	---	40300	34600	37100	40000	34300	37600
19	---	---	---	---	---	---	40300	32800	36600	37300	24000	30200
20	---	---	---	---	---	---	41500	35800	39300	34500	26800	30700
21	---	---	---	---	---	---	42500	33300	38300	31700	28700	30400
22	---	---	---	---	---	---	37800	22000	32400	37800	30800	33500
23	---	---	---	---	---	---	40900	22000	29700	33900	29200	31500
24	---	---	---	---	---	---	42200	34800	39000	40900	27200	34800
25	---	---	---	---	---	---	41800	34900	40200	42500	25900	35300
26	---	---	---	---	---	---	40600	35900	38600	42200	29400	35400
27	---	---	---	---	---	---	39800	32300	36600	37800	31000	34000
28	---	---	---	---	---	---	39500	33200	37200	34400	25900	30300
29	---	---	---	---	---	---	39000	31800	35500	28700	22200	25600
30	---	---	---	---	---	---	42600	33300	37100	26100	21000	23100
31	---	---	---	---	---	---	42300	34400	38500	25800	15600	22000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	37400	15600	24300	35200	24800	30100	33200	24700	30400	---	---	---
2	37600	27200	35000	38200	25800	34200	31500	22600	28400	---	---	---
3	36800	24800	32500	36700	23500	28100	27900	20300	24700	---	---	---
4	39700	26200	34000	32700	23200	26800	35500	19900	27400	---	---	---
5	41300	29200	34100	33200	28000	31800	37800	20600	30900	---	---	---
6	36100	28300	31800	34400	29900	32600	39500	24400	33800	---	---	---
7	35700	27100	32000	33600	27800	30100	35700	25900	31300	---	---	---
8	37700	26800	31800	33300	26000	29400	38200	24500	32600	---	---	---
9	36000	29700	33400	35800	25700	30000	35500	28000	34100	---	---	---
10	33800	25700	29500	39400	26800	34300	35200	31800	33500	25600	22800	24300
11	35100	22800	28400	38600	33400	35900	32600	21700	27800	24900	19200	23500
12	37100	24200	33000	36600	33200	35200	25800	20400	24100	26500	19700	23000
13	40800	29900	36700	37200	26500	32700	23900	19600	21600	25400	18100	21900
14	38900	32100	35200	36200	29200	33700	20400	16300	18700	---	18100	26700
15	34500	30400	31900	33500	25400	28800	24900	12800	18500	34200	---	32300
16	35100	29000	31100	27900	17600	25100	---	---	---	33300	27700	31000
17	41700	31500	37600	31600	17400	24700	---	---	---	31600	26100	29400
18	39400	29200	35400	31100	21300	25500	---	---	---	32300	26100	29100
19	33400	26800	29000	25600	19700	22600	---	---	---	37000	27000	33300
20	38500	27200	34800	31900	17700	24600	---	---	---	43600	32000	38500
21	36700	29600	34100	31600	17500	25200	---	---	---	43000	34500	40700
22	36600	30100	33200	32200	19100	27500	---	---	---	41500	39000	40500
23	35300	29400	33100	35600	26100	33000	---	---	---	40200	37200	38900
24	38900	29900	34900	35900	26300	30800	---	---	---	39700	37300	38300
25	38300	30400	34000	29200	19300	22900	---	---	---	41200	37300	39200
26	34200	29700	31800	27200	19000	21400	---	---	---	43600	34600	40700
27	34900	28300	31700	34000	23200	29200	---	---	---	42300	34000	39500
28	35100	31300	33400	35500	28000	32900	---	---	---	44600	35000	39800
29	---	---	---	31100	14400	23000	---	---	---	44600	36300	42800
30	---	---	---	23200	13200	19300	---	---	---	43700	39200	42500
31	---	---	---	24700	12300	15500	---	---	---	42800	37400	40800

302110088464600 USCG BILOXI EAST CHANNEL RANGE FRONT LIGHT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	44100	35700	41100	32100	27500	30600	39100	34300	37500	34200	32500	33500
2	42100	36200	40600	31900	29100	30800	39800	37900	39000	39000	33200	36000
3	39100	36000	37900	31500	24600	30000	38900	36900	38300	39800	34500	38000
4	36700	35400	36000	31900	25400	29400	39400	34600	37300	40300	36700	38800
5	37900	32500	36000	32000	27900	30600	36800	31300	34200	39900	33800	38000
6	37300	31700	35300	---	---	---	40700	32600	37300	41200	37300	39700
7	37800	33100	35600	---	---	---	40400	27500	35700	39300	34900	38000
8	38600	34400	36600	---	---	---	39300	34900	37000	38200	33900	36700
9	38200	31500	35300	---	---	---	38600	34900	36800	36100	33400	34600
10	37300	31400	34400	---	---	---	37100	32600	34400	35600	33900	35000
11	40300	29300	34200	---	---	---	36300	32600	34500	37300	34500	36000
12	38800	28100	34900	---	---	---	36600	31400	33500	41700	36300	37900
13	36700	27900	33400	---	---	---	37100	30100	31800	42100	37200	39900
14	34400	27700	32400	---	---	---	39000	30800	35500	40600	32900	38200
15	36200	28400	32100	---	---	---	37200	31300	34600	41000	30000	38100
16	35600	28300	32200	---	---	---	39100	29400	34500	40200	34300	38600
17	37900	31200	36100	---	---	---	38800	30400	34600	41800	33700	38800
18	---	---	---	---	---	---	39600	30700	37600	39600	33100	38000
19	---	---	---	---	---	---	39500	33400	37800	39700	36900	38500
20	---	---	---	---	---	---	39700	33500	37200	40700	35800	39100
21	37700	34000	35800	---	---	---	38800	35200	37600	40600	34800	38300
22	38500	33200	36400	---	---	---	36000	34000	35400	39000	35900	37700
23	40000	34400	37800	---	---	---	36600	31700	34600	38500	36600	37500
24	40200	33300	37600	---	---	---	35600	30400	33600	38100	33900	36900
25	38500	32600	37000	---	---	---	35000	27800	32700	35300	29500	33300
26	38300	27600	34500	---	---	---	36500	31200	34100	39200	6140	26700
27	37300	27700	33100	---	---	---	36400	33100	34700	40300	26000	34000
28	34900	25100	31400	---	---	---	37700	33100	35800	41600	32300	38200
29	33600	27000	31400	---	---	---	37500	34600	36600	39300	20200	31000
30	33100	27500	30900	---	---	---	36100	33000	34700	35500	22700	29000
31	---	---	---	40500	38700	39700	35000	32500	33900	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, NOVEMBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	21.2	12.7	18.5	17.3	19.5	23.2	27.5	29.6	30.6	29.2
2	---	23.7	21.6	13.4	18.2	17.8	20.6	22.8	28.0	29.8	30.8	28.2
3	---	23.0	21.7	11.6	17.6	17.7	21.7	23.1	28.6	30.3	30.9	27.6
4	---	22.4	22.2	9.2	17.8	15.7	22.0	23.3	29.2	29.8	30.8	28.3
5	---	20.0	22.8	7.5	17.6	15.8	22.4	23.4	29.7	29.2	31.6	29.0
6	---	17.6	23.2	8.3	17.7	16.5	22.9	24.6	29.9	29.4	32.2	29.3
7	---	16.9	23.7	9.1	18.6	16.4	23.6	25.5	29.3	29.8	32.2	29.4
8	---	17.5	23.8	10.2	18.5	15.6	24.8	25.8	29.2	29.4	32.2	29.3
9	---	19.0	21.1	11.3	19.3	16.5	25.2	25.7	29.3	29.4	31.2	28.7
10	---	20.6	19.3	10.7	20.3	17.5	25.2	25.9	29.7	29.6	30.1	28.1
11	---	19.9	18.5	11.1	20.9	17.9	25.9	25.3	29.6	29.5	30.1	27.7
12	---	18.6	19.3	10.6	19.8	17.1	24.5	24.4	29.1	29.4	30.3	28.4
13	---	18.1	17.5	11.3	16.9	16.5	23.4	24.7	29.1	28.7	30.7	28.6
14	---	18.7	16.0	12.0	15.9	15.6	23.5	25.6	29.3	28.8	30.9	28.3
15	---	19.5	16.3	12.4	15.2	14.3	23.8	25.9	29.6	29.5	29.8	27.1
16	---	20.1	15.6	12.5	16.0	15.1	21.4	26.3	29.5	29.8	30.4	25.9
17	---	20.2	14.4	13.5	16.7	15.7	19.7	26.8	29.0	29.5	31.2	25.2
18	---	20.3	14.0	14.4	16.7	16.2	19.0	26.8	28.3	29.2	30.8	24.8
19	---	20.5	15.0	15.0	16.7	17.6	19.8	27.2	27.7	29.6	31.1	25.8
20	---	20.9	16.2	15.7	15.8	19.3	20.5	27.3	27.4	29.4	31.1	26.4
21	---	19.4	17.5	16.7	15.2	17.9	21.4	27.4	27.7	29.6	31.2	26.2
22	---	17.7	17.1	17.9	13.3	17.7	22.3	27.4	28.5	30.2	31.2	24.7
23	---	18.3	14.8	18.3	13.0	17.7	23.7	27.5	28.8	30.1	31.4	23.2
24	---	19.2	13.2	16.4	13.9	18.9	24.3	27.2	29.4	30.0	31.5	23.0
25	---	19.9	12.0	16.5	15.0	18.9	25.5	27.6	29.6	30.0	31.3	23.4
26	---	20.2	11.6	16.6	15.8	18.0	26.1	27.7	28.8	30.0	31.1	24.1
27	---	20.5	11.1	17.0	17.1	16.8	26.2	27.8	28.2	29.9	30.9	25.2
28	---	20.8	12.3	17.9	17.4	17.2	26.5	28.2	28.8	30.0	30.3	26.2
29	---	20.5	12.7	18.5	---	18.1	27.0	27.5	29.2	30.5	30.1	27.0
30	---	20.6	12.0	18.7	---	18.1	24.7	27.3	29.4	30.4	29.7	25.2
31	---	---	12.0	18.9	---	18.3	---	27.3	---	30.4	29.5	---

302110088464600 USCG BILOXI EAST CHANNEL RANGE FRONT LIGHT--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.7	21.7	13.4	13.2	9.6	19.8	22.4	23.9	28.3	29.4	29.4	31.0
2	23.5	20.1	13.9	14.4	10.2	20.5	22.5	24.3	28.7	29.1	29.4	31.9
3	24.9	17.3	15.7	15.7	10.8	21.0	23.3	24.3	29.1	29.6	29.2	31.8
4	25.6	17.4	16.8	15.8	11.3	20.2	21.4	25.1	29.0	29.9	29.4	31.9
5	25.2	17.5	17.5	13.2	10.7	19.2	19.5	25.2	28.6	30.3	29.6	31.8
6	23.6	17.8	16.2	12.8	10.4	19.3	19.5	25.3	28.2	30.4	30.6	30.1
7	23.7	18.1	14.8	12.9	10.7	20.0	20.2	25.6	26.9	30.3	31.0	29.1
8	24.3	18.8	14.6	13.2	11.3	20.9	20.4	25.8	26.8	31.3	31.1	28.7
9	24.8	19.6	15.1	14.4	12.3	21.5	18.2	26.2	27.7	31.6	30.8	28.5
10	24.9	20.4	15.6	15.4	13.1	22.1	18.4	26.7	28.5	31.3	---	28.6
11	25.2	21.0	15.5	15.8	14.1	22.3	19.7	27.2	28.8	31.0	---	28.8
12	25.2	20.7	16.3	16.9	14.9	19.1	20.8	27.6	29.1	31.2	---	28.6
13	25.5	20.4	16.8	17.4	15.8	17.9	21.6	27.8	29.4	30.8	---	28.7
14	26.0	20.5	15.9	14.7	16.6	18.0	21.4	27.2	29.0	30.9	---	28.9
15	26.3	20.2	15.9	13.0	16.5	18.7	21.2	25.9	29.0	30.7	---	29.2
16	26.2	18.7	14.3	13.6	17.4	19.3	21.8	25.4	28.5	30.7	30.7	27.6
17	26.3	17.8	13.5	14.6	18.4	20.3	23.1	25.9	27.7	30.6	30.9	25.6
18	25.3	17.4	13.2	15.9	19.0	20.6	22.7	26.5	28.1	30.8	31.3	25.3
19	24.2	17.4	12.7	16.5	19.7	20.0	23.4	27.3	28.7	30.8	31.3	25.7
20	22.1	18.1	13.1	16.6	17.7	18.7	23.9	27.5	29.3	30.9	31.1	26.9
21	20.1	19.0	13.0	14.3	16.6	19.4	23.7	27.5	29.9	31.0	30.6	28.0
22	19.6	19.8	12.1	13.8	16.5	20.1	22.5	27.8	30.1	30.1	30.4	28.1
23	19.8	20.3	11.4	14.4	17.2	20.9	22.3	27.8	30.2	29.3	29.8	28.7
24	18.1	20.7	11.2	13.6	18.3	21.2	22.3	28.0	30.4	29.2	30.1	29.0
25	17.4	20.4	10.9	11.5	19.2	21.7	21.6	28.4	30.4	29.6	30.6	28.9
26	17.9	18.8	10.5	9.8	19.9	22.0	21.6	28.9	29.5	30.1	30.7	25.7
27	18.8	17.5	10.6	9.0	20.0	21.7	22.1	28.9	29.3	30.3	30.8	23.9
28	19.8	17.3	10.8	8.4	19.0	21.4	22.8	28.8	29.4	30.5	30.8	23.5
29	20.6	17.1	10.7	8.9	19.0	21.5	23.3	28.8	29.5	30.3	30.8	22.9
30	21.5	14.7	11.3	9.1	---	22.4	23.6	28.3	29.4	29.8	30.9	22.9
31	21.7	---	12.1	9.2	---	22.5	---	28.2	---	29.4	30.6	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.8	24.2	15.2	6.5	13.1	19.8	17.9	23.1	27.7	28.8	29.3	29.4
2	24.9	24.5	14.9	6.1	12.3	20.1	18.8	23.5	28.1	29.2	29.3	29.0
3	25.5	24.6	12.8	5.3	11.4	20.6	19.7	23.9	28.6	29.3	29.0	28.6
4	25.7	24.7	11.8	5.2	11.1	19.3	21.0	24.6	29.0	29.3	29.0	28.5
5	26.2	24.6	11.5	6.1	11.8	17.7	22.0	24.5	28.6	28.8	29.4	29.4
6	26.5	24.1	11.7	7.3	12.5	16.7	22.6	24.5	27.7	28.9	29.3	30.2
7	24.9	24.1	11.8	8.1	13.7	16.0	22.9	25.0	27.6	29.6	29.3	30.5
8	19.7	24.5	12.4	9.3	15.0	16.2	23.7	25.2	27.5	30.1	29.2	30.1
9	16.3	23.9	13.2	9.7	16.3	16.9	24.3	25.0	26.9	30.3	28.9	29.5
10	15.7	21.0	14.1	8.7	16.2	16.5	25.2	25.6	26.5	30.6	29.3	29.5
11	16.0	19.0	14.7	8.6	14.8	16.5	24.9	25.9	26.0	29.3	28.8	29.6
12	16.4	18.1	14.3	9.2	15.2	17.0	25.0	26.2	26.4	28.8	27.5	29.1
13	17.4	18.0	12.9	9.3	16.2	17.2	25.7	26.5	27.2	28.9	27.7	28.5
14	18.4	16.2	13.5	10.2	16.8	17.2	26.6	26.1	27.8	28.4	28.0	27.6
15	19.7	15.0	13.1	10.9	17.5	16.8	26.6	26.4	28.4	28.2	29.0	27.7
16	20.8	15.1	13.9	10.8	18.8	17.9	25.8	26.4	29.0	29.0	30.3	27.8
17	---	15.3	12.2	10.8	17.1	16.4	24.0	26.3	28.6	29.1	29.8	27.5
18	22.4	13.8	10.3	11.9	14.6	15.1	20.8	26.7	29.0	29.7	29.8	27.6
19	22.5	12.3	9.3	12.8	14.1	15.5	20.8	27.1	28.8	30.2	29.7	27.3
20	22.8	12.7	7.3	10.9	15.7	13.8	20.9	27.2	---	30.6	29.3	27.4
21	23.3	12.6	7.6	9.9	16.5	13.6	22.2	26.9	---	30.1	29.2	28.0
22	23.8	12.6	7.3	9.5	16.9	15.0	22.7	26.5	---	29.4	30.0	28.8
23	23.6	12.2	6.8	9.5	16.3	16.6	23.3	24.9	---	29.9	30.4	28.6
24	23.2	13.1	7.4	9.9	17.0	17.8	24.0	25.1	---	30.7	30.9	28.3
25	22.7	13.4	8.0	10.4	17.6	17.8	22.0	25.1	---	29.5	30.8	26.3
26	22.6	13.8	8.9	10.6	18.3	15.9	21.4	25.4	---	27.8	30.7	24.3
27	22.9	14.3	9.9	10.9	19.5	15.2	21.6	26.1	---	28.2	30.4	23.1
28	23.2	14.7	9.4	12.0	19.9	14.4	21.9	26.6	---	29.0	30.4	22.7
29	23.8	15.4	8.2	13.0	---	14.2	22.5	26.9	28.6	29.8	29.7	22.6
30	24.0	15.6	7.2	13.6	---	15.6	22.8	27.8	29.1	30.1	29.6	22.6
31	24.1	---	6.6	13.7	---	17.0	---	27.9	---	30.1	29.8	---

302110088464600 USCG BILOXI EAST CHANNEL RANGE FRONT LIGHT--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.3	19.4	19.1	10.4	18.7	11.9	20.3	---	27.7	30.1	30.4	29.5
2	22.4	20.2	18.6	8.6	15.9	12.5	21.3	---	28.2	30.1	30.0	29.0
3	22.9	20.9	18.3	7.0	15.2	11.6	22.7	---	28.6	30.6	29.3	28.6
4	23.5	21.0	18.8	6.4	15.5	9.4	21.1	---	29.3	30.6	29.4	28.7
5	24.3	19.9	19.4	7.1	13.6	10.1	19.3	---	29.8	30.5	27.8	29.4
6	24.2	19.5	20.1	7.8	11.6	11.4	18.4	---	29.4	30.9	27.8	29.4
7	22.2	19.8	20.4	7.4	10.8	12.8	18.7	---	29.6	31.3	28.7	28.3
8	21.6	20.5	20.4	7.4	10.7	14.6	19.9	---	29.5	30.6	29.3	27.4
9	22.2	20.9	19.7	8.1	12.0	15.4	20.1	---	29.1	30.2	28.8	27.9
10	22.7	20.5	18.3	9.4	13.1	14.4	20.6	28.7	28.9	30.2	28.3	28.5
11	23.1	20.8	17.6	9.8	12.9	14.0	21.6	28.9	29.1	30.4	28.5	29.0
12	23.8	20.8	17.5	10.4	13.1	14.7	21.0	28.6	29.7	30.8	28.9	29.7
13	24.4	20.1	18.5	10.9	14.0	15.1	21.0	28.0	30.1	30.6	29.1	29.4
14	23.8	19.6	19.0	11.3	13.9	15.7	21.7	25.3	30.0	30.1	29.3	28.3
15	23.5	19.5	18.6	12.0	14.2	17.1	22.4	24.6	29.2	29.8	29.6	28.4
16	22.4	19.3	19.4	12.4	14.8	18.4	---	24.5	28.4	30.4	30.0	28.9
17	20.7	18.8	20.1	12.6	15.3	19.3	---	25.8	27.3	31.0	30.5	29.4
18	19.3	18.8	19.1	13.1	15.1	20.0	---	25.0	27.6	31.6	30.9	29.9
19	19.7	19.3	18.2	14.6	15.4	20.9	---	21.9	28.4	32.0	31.0	29.9
20	21.0	19.2	16.0	13.5	16.4	21.7	---	21.2	28.5	32.2	30.7	29.7
21	21.9	18.0	15.3	13.7	17.0	21.2	---	21.3	27.6	31.7	30.9	30.0
22	22.8	17.5	15.4	14.0	16.1	18.4	---	21.6	27.1	30.7	30.2	29.8
23	23.2	18.0	16.2	14.8	14.3	16.5	---	21.9	27.0	30.4	30.4	28.4
24	24.3	19.2	15.7	16.6	14.3	17.1	---	22.9	27.9	30.6	30.7	27.2
25	23.9	19.9	14.4	17.0	15.4	18.3	---	24.5	28.4	29.7	30.4	25.7
26	21.7	20.3	12.6	15.7	15.6	19.3	---	25.7	28.3	29.9	30.5	25.6
27	19.4	21.1	11.3	15.3	12.9	18.0	---	25.9	28.1	30.2	30.5	25.0
28	17.5	21.6	11.2	15.8	11.5	18.4	---	26.4	28.2	31.0	30.5	25.7
29	16.4	21.5	12.2	16.9	---	19.6	---	26.7	28.8	31.3	30.2	26.5
30	16.5	20.1	12.4	17.9	---	20.6	---	26.5	29.5	30.8	30.1	27.3
31	18.0	---	11.8	18.6	---	21.2	---	26.6	---	30.8	29.8	---

02481510 WOLF RIVER NEAR LANDON, MS

LOCATION.--Lat 30°29'01", long 89°16'19", in NE1/4 NE1/4 sec.34, T.6 S., R.13 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on left bank at downstream side of bridge on county highway, 0.3 mi downstream from Sandy Creek, 1.3 mi upstream from Pole Branch, and 11.1 mi northwest of Landon.

DRAINAGE AREA.--308 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage is 14.34 ft above NGVD of 1929. Prior to Oct. 18, 1978, at datum 7.00 ft higher. Oct. 18, 1978 to Oct. 15, 1990, at datum 5.00 ft higher.

REMARKS.--Estimated daily discharges: Aug. 3-6, 8-9. Records good except for estimated discharges, which are poor. Satellite telemeter at station.

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

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 14	0600	6,260	16.84	Sep. 26	1030	*17,900	*26.98

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	173	116	804	200	329	179	1070	154	521	549	657	67
2	164	114	491	293	469	1560	895	145	429	340	279	64
3	155	112	338	346	402	1710	665	135	262	239	e824	63
4	150	120	259	305	317	944	514	125	166	188	e162	63
5	144	113	218	389	267	591	416	117	124	157	e295	63
6	140	105	195	2000	805	449	354	110	101	140	e615	81
7	139	99	183	1630	1490	382	323	104	101	136	564	527
8	137	94	176	953	1000	345	359	100	162	205	e480	897
9	134	91	168	640	655	326	3030	96	245	295	e510	471
10	130	90	170	494	481	455	3030	93	227	207	380	223
11	144	89	170	416	384	416	1840	88	249	181	204	152
12	900	87	159	396	328	762	2160	84	211	141	148	116
13	1450	86	168	553	294	1990	1190	79	175	126	138	99
14	5640	86	725	545	271	1450	885	77	139	176	147	107
15	2830	86	1260	455	250	859	743	72	107	252	127	116
16	1220	85	1140	369	232	633	583	70	85	204	124	121
17	693	84	780	315	216	526	478	69	77	146	117	96
18	455	83	877	285	204	449	403	82	81	118	110	97
19	353	82	695	282	195	393	348	78	167	96	159	88
20	298	82	489	338	330	359	308	73	218	81	171	87
21	259	82	356	360	635	2760	285	67	253	72	202	194
22	231	82	287	389	461	2290	266	62	190	75	252	280
23	211	159	335	357	337	1120	245	58	150	93	219	177
24	199	390	510	403	263	693	230	55	176	119	215	128
25	186	641	400	488	227	553	221	53	136	99	200	3060
26	163	577	313	497	205	1220	206	52	433	82	161	13800
27	144	371	266	395	190	2590	194	51	1140	79	149	13700
28	131	286	242	330	177	1580	180	50	1330	79	122	8140
29	123	325	244	286	---	1030	168	49	870	84	97	1920
30	119	922	238	265	---	719	161	291	866	203	82	1110
31	117	---	215	251	---	682	---	308	---	291	72	---
TOTAL	17332	5739	12871	15225	11414	30015	21750	3047	9391	5253	7982	46107
MEAN	559.1	191.3	415.2	491.1	407.6	968.2	725.0	98.29	313.0	169.5	257.5	1537
MAX	5640	922	1260	2000	1490	2760	3030	308	1330	549	824	13800
MIN	117	82	159	200	177	179	161	49	77	72	72	63
MED	164	96	287	389	322	693	381	79	183	141	171	124
CFSM	1.82	0.62	1.35	1.59	1.32	3.14	2.35	0.32	1.02	0.55	0.84	4.99
IN.	2.09	0.69	1.55	1.84	1.38	3.63	2.63	0.37	1.13	0.63	0.96	5.57

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	225.3	371.8	619.9	997.9	1034	1077	910.8	629.6	355.1	397.5	386.0	457.2
MAX	1231	957	1511	3291	2489	2424	3008	2641	1259	1513	1778	1676
(WY)	1986	1990	1984	1998	1990	1980	1980	1991	2001	1979	1975	1973
MIN	14.5	41.6	129	122	87.1	130	101	33.1	27.8	22.4	27.0	28.5
(WY)	2001	2000	2000	1981	2000	2000	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1971 - 2002	
ANNUAL TOTAL	210441		186126			
ANNUAL MEAN	576.6		509.9		618.2	
HIGHEST ANNUAL MEAN					943	1980
LOWEST ANNUAL MEAN					73.0	2000
HIGHEST DAILY MEAN	12300	Mar 4	13800	Sep 26	18700	May 10 1995
LOWEST DAILY MEAN	43	May 27	49	May 29	11	Jul 15 2000
ANNUAL SEVEN-DAY MINIMUM	44	May 25	53	May 23	11	Oct 29 2000
MAXIMUM PEAK FLOW			17900	Sep 26	24500	May 10 1995
MAXIMUM PEAK STAGE			26.98	Sep 26	28.85	May 10 1995
ANNUAL RUNOFF (CFSM)	1.87		1.66		2.01	
ANNUAL RUNOFF (INCHES)	25.42		22.48		27.27	
10 PERCENT EXCEEDS	1180		948		1440	
50 PERCENT EXCEEDS	261		230		262	
90 PERCENT EXCEEDS	84		82		72	

e Estimated

301954089181700 BAYOU PORTAGE CHANNEL LIGHT 1

LOCATION.--Lat 30°19’54", long 89°18’17", in T.8 S., R.13 W., St. Stevens Meridian, Harrison County, Hydrologic Unit 03170009, on the Bayou Portage Channel Light 1 platform.

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

PERIOD OF RECORD.--Water years 2000-01 (discontinued).

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: November 1999 to March 2001 (discontinued).
WATER TEMPERATURE: November 1999 to March 2001 (discontinued).

INSTRUMENTATION.--Water-quality monitor from November 1999 to March 2001.

REMARKS.--Interruptions in the record were due to malfunctions of the instrument. Platform struck by barge and destroyed March 2, 2001.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum recorded, 42,100 microsiemens, Aug. 30, 2000, but may have been higher during periods of instrument malfunction; minimum recorded, 18,300 microsiemens, Feb. 17, 2001, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 32.8°C, July 8, 12, 2000, but may have been higher during periods of instrument malfunction; minimum recorded, 5.1°C, Jan. 2, 2001, but may have been lower during periods of instrument malfunction.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, NOVEMBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	39300	38600	39100	33200	28800	30500
2	---	---	---	---	---	---	39700	38000	38800	32000	29900	30600
3	---	---	---	---	---	---	40200	37900	38900	32400	28500	30600
4	---	---	---	---	---	---	41400	37600	39200	31300	26900	28900
5	---	---	---	---	---	---	41200	37900	39200	31600	30100	30600
6	---	---	---	---	---	---	40800	37000	38800	30300	---	29400
7	---	---	---	---	---	---	40700	38100	39500	30000	28000	29100
8	---	---	---	---	---	---	40700	38200	39600	30500	28000	28900
9	---	---	---	---	---	---	41500	39400	40300	31100	27800	29500
10	---	---	---	---	---	---	41500	37900	39800	31200	27400	29000
11	---	---	---	---	---	---	41500	38600	40400	30800	27700	29900
12	---	---	---	---	---	---	41900	39700	40600	30400	---	29600
13	---	---	---	---	---	---	41900	37100	39500	30100	26600	29300
14	---	---	---	---	---	---	42000	40600	41400	33900	---	30000
15	---	---	---	---	---	---	40700	38100	39300	36000	30400	33400
16	---	---	---	---	---	---	39800	38300	39100	---	30300	31700
17	---	---	---	---	---	---	38500	37800	38200	---	---	31800
18	---	---	---	---	---	---	38600	36800	37900	31700	25100	29900
19	---	---	---	37600	35000	35900	38200	36100	37200	31300	26100	29600
20	---	---	---	37400	35100	36700	37900	35600	37200	30800	25500	28400
21	---	---	---	39600	36100	37900	37300	32600	35600	29600	27500	28500
22	---	---	---	40100	37200	38600	36500	32300	35200	29600	27200	28600
23	---	---	---	39700	35500	38100	36500	32400	34300	30300	27200	28500
24	---	---	---	39600	37000	38800	34800	31300	32800	30100	25600	27500
25	---	---	---	39700	35100	38100	32900	30500	32200	30600	28500	29700
26	---	---	---	39900	35800	38000	31700	29100	31100	32100	29700	30700
27	---	---	---	39800	37700	39000	30300	28900	29700	33400	29700	30700
28	---	---	---	39400	37700	38700	29800	28900	29500	40900	31000	38100
29	---	---	---	39800	37000	38700	29800	29200	29500	41600	38700	40600
30	---	---	---	39000	37200	38300	30100	29100	29500	41600	35700	38900
31	---	---	---	---	---	---	32600	29100	30400	39300	35900	37900

301954089181700 BAYOU PORTAGE CHANNEL LIGHT 1--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, NOVEMBER 1999 TO SEPTEMBER 2000--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	39300	36300	37800	36000	33700	34900	36800	33200	35300	30400	29000	29700
2	38400	36600	37800	35900	33200	34800	37200	33400	35200	30400	29000	29700
3	38400	36900	37800	36000	34100	35100	37200	33300	35700	29800	27200	29100
4	38000	34800	36700	36900	32100	34900	35600	31300	33000	30300	27200	29100
5	37700	35000	36400	36400	34000	35700	35800	32100	34700	31100	26600	29200
6	37700	35500	36900	36400	34700	35700	34700	31700	33300	30600	26600	29000
7	37600	35900	36900	36400	34600	35400	33600	31800	32500	30400	26900	28800
8	36900	36200	36500	36500	35100	36000	32700	29200	31100	29900	27200	28700
9	37200	36100	36700	36100	34900	35700	31400	29400	30600	29700	28100	28800
10	37500	35800	36600	37000	34800	35800	29900	28500	29200	29400	28600	29000
11	36900	35800	36500	36700	33100	34700	32800	28600	30300	29300	28300	28800
12	38000	36000	37100	37100	33000	35800	33400	28900	31400	28900	28200	28500
13	36900	35600	36400	36400	34200	35600	32800	29900	31700	28700	28200	28500
14	36300	35300	35600	37200	33600	35800	32600	29800	31400	28800	28100	28300
15	36300	34600	35600	38600	34900	36700	32600	29700	31400	28800	28200	28600
16	36600	34800	35800	38700	35400	37100	33000	29500	31200	28700	28500	28600
17	36700	35100	36200	38000	35100	36500	32600	27800	29600	28800	28400	28600
18	37100	35200	36300	37800	34700	36500	34400	30900	33000	29100	28400	28700
19	37000	34100	35700	37300	33100	35400	33500	29600	32200	28900	28400	28600
20	37000	33700	35900	36000	33100	34400	33600	28700	31800	28800	28100	28500
21	36800	34100	36000	36100	33600	35100	32200	29800	30700	29200	28000	28600
22	37200	34700	36100	36900	32900	35000	32100	29400	31300	29600	28400	29000
23	38000	36000	37100	37900	34700	36600	32100	29500	31300	30000	28600	29200
24	37400	36000	36700	37600	33600	36300	30500	29000	29800	29500	28900	29100
25	38200	34400	36700	37900	33200	35800	29800	28900	29400	28900	27300	28400
26	38200	34400	36700	37800	33600	36400	29500	28600	28900	29200	28000	28700
27	37500	34700	36400	36800	33100	34300	29500	28100	28900	29200	27900	28700
28	37700	35200	36800	37600	33100	36100	29900	27800	28900	29000	26700	28000
29	37100	34600	36000	37000	34800	36100	30500	29500	29900	28600	27400	28100
30	---	---	---	35800	33100	34800	30500	28900	29700	29100	27200	28100
31	---	---	---	36300	31900	34500	---	---	---	30600	27300	28600

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	31200	27400	28700	34400	30400	33000	---	---	---	---	---	---
2	30000	27400	28800	34500	30700	33300	---	---	---	---	---	---
3	29800	27500	28900	34700	31200	33400	---	---	---	---	---	---
4	31000	27200	29400	34800	31100	33400	---	---	---	---	---	---
5	30500	27100	29400	34800	31900	33700	---	---	---	---	---	---
6	30200	28000	29500	34600	32000	33600	---	---	---	---	---	---
7	32000	28600	30700	34200	32200	33200	---	---	---	---	---	---
8	32500	29400	31100	33900	32300	33400	---	---	---	---	---	---
9	32400	30100	31400	33600	31500	32800	41900	39200	41000	---	---	---
10	32000	29500	30800	33700	31300	32300	40200	35500	38800	---	---	---
11	32300	29400	30700	34400	31300	32400	40700	36000	38900	---	---	---
12	32300	29700	30900	35800	31200	33500	39900	37700	39100	---	---	---
13	32300	30100	31100	36100	32100	33500	40800	37500	39400	---	---	---
14	33200	30200	31600	34800	32300	33200	40800	36100	38900	---	---	---
15	33200	30100	31600	35400	32300	34600	41100	35800	38200	---	---	---
16	33800	30400	32400	36000	33900	35200	40900	36400	39200	---	---	---
17	33900	30300	32700	35900	33900	35000	40200	38500	39800	---	---	---
18	34100	30200	32600	36700	34100	35200	39800	37700	39100	---	---	---
19	34000	29800	32400	37000	33800	35200	38700	36600	37800	---	---	---
20	34000	29800	32300	37100	33800	35400	38900	36800	37900	---	---	---
21	34400	31100	32700	36500	33600	35200	39500	38000	38800	---	---	---
22	33800	31000	32100	36500	33600	35200	39900	37500	38900	---	---	---
23	34100	31400	33100	34400	33600	34100	40800	35000	38700	---	---	---
24	33200	30400	32400	40000	33800	38400	41800	37600	40000	---	---	---
25	33000	30400	31900	---	---	---	41900	36300	39800	---	---	---
26	33800	31400	32700	---	---	---	41200	37300	39700	---	---	---
27	33400	30800	32500	---	---	---	41500	37700	39500	---	---	---
28	34100	31600	32800	---	---	---	41700	37600	40400	---	---	---
29	33700	30100	31900	---	---	---	41200	38400	39400	---	---	---
30	34000	30300	32600	---	---	---	42100	39200	40600	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---

301954089181700 BAYOU PORTAGE CHANNEL LIGHT 1--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, OCTOBER 2000 TO MARCH 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	40100	38300	39300	26200	23900	24900	33400	29000	31900
2	---	---	---	40200	38600	39400	25800	22400	23800	38700	29100	33300
3	---	---	---	40400	38700	39400	25300	22500	23400	40000	34000	38500
4	---	---	---	39900	38300	39200	32100	25300	30200	38500	33000	36200
5	---	---	---	39700	37300	39000	32700	28700	31500	35500	30200	33700
6	---	---	---	40100	39100	39500	32900	27600	31300	35300	28400	33200
7	---	---	---	39100	38000	38600	35700	30700	33700	36500	32000	34600
8	---	---	---	41500	38200	39900	38400	29000	35000	35900	28200	32500
9	---	---	---	41400	37500	39000	38400	34400	37200	35100	29900	33200
10	---	---	---	40000	38300	39300	35600	33200	34400	34100	30400	32700
11	---	---	---	39900	37600	39000	35800	31800	33800	35200	31900	33200
12	---	---	---	40600	38400	39400	35800	29700	32200	35200	31500	33200
13	---	---	---	40500	36900	38700	35800	31400	33500	35100	32700	34300
14	---	---	---	40400	36400	38500	36100	30500	33500	35400	32900	34100
15	---	---	---	40000	37600	38800	35000	31500	33200	37400	33000	34900
16	---	---	---	39400	37100	38300	34600	28400	32200	41200	35400	38600
17	39600	---	38200	38800	34200	36600	32000	27600	29400	41400	37200	40500
18	39600	37000	38300	38200	33100	35800	31100	28700	30000	41500	39200	40400
19	39600	38100	39100	35900	27600	32100	28700	25900	26900	40000	23700	36100
20	39600	38400	39100	37700	35600	36300	29900	25700	27500	36500	22100	30400
21	39700	38300	39100	37500	34600	36100	30200	25800	28300	33800	31600	32900
22	39400	38200	38900	35200	32800	34800	31400	22800	27500	33000	27100	29500
23	39300	38100	38800	35100	31400	33700	31200	26500	30100	28500	25700	27200
24	39400	38200	38700	36100	27800	32600	32200	27700	30500	27700	24000	25800
25	39200	37600	38400	35500	27600	32800	33100	26800	30900	27200	21800	24200
26	40000	37800	38700	34800	32200	33400	39500	27500	31600	28100	22800	24500
27	40000	37800	39000	32300	28700	31300	40900	32300	36300	31700	25300	28700
28	40200	37300	38900	30500	28500	29800	40400	26800	33200	33000	26900	30600
29	40200	38600	39600	29100	27600	28400	37000	30600	33800	34500	28500	32800
30	40400	38700	39500	27800	24600	26300	35000	26400	31500	35100	26700	31300
31	40200	39000	39800	---	---	---	34100	32400	33400	35300	26700	32800

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	35800	32800	34600	29700	26800	27800	---	---	---	---	---	---
2	36600	31400	34600	28000	24100	26000	---	---	---	---	---	---
3	31400	27000	29700	---	---	---	---	---	---	---	---	---
4	30200	28600	29500	---	---	---	---	---	---	---	---	---
5	29400	25900	27000	---	---	---	---	---	---	---	---	---
6	26800	25300	26100	---	---	---	---	---	---	---	---	---
7	27200	25100	26200	---	---	---	---	---	---	---	---	---
8	27600	24100	26100	---	---	---	---	---	---	---	---	---
9	27600	24000	26000	---	---	---	---	---	---	---	---	---
10	26200	23200	24800	---	---	---	---	---	---	---	---	---
11	26200	24100	25100	---	---	---	---	---	---	---	---	---
12	24900	23600	24500	---	---	---	---	---	---	---	---	---
13	28100	22900	24700	---	---	---	---	---	---	---	---	---
14	29500	23100	26500	---	---	---	---	---	---	---	---	---
15	27800	22400	25200	---	---	---	---	---	---	---	---	---
16	24300	19200	22600	---	---	---	---	---	---	---	---	---
17	22200	18300	20500	---	---	---	---	---	---	---	---	---
18	22000	18600	20900	---	---	---	---	---	---	---	---	---
19	22800	19300	21000	---	---	---	---	---	---	---	---	---
20	23900	19700	21800	---	---	---	---	---	---	---	---	---
21	25600	21800	23600	---	---	---	---	---	---	---	---	---
22	27000	22800	25000	---	---	---	---	---	---	---	---	---
23	28200	22400	24900	---	---	---	---	---	---	---	---	---
24	30800	24000	26800	---	---	---	---	---	---	---	---	---
25	32500	27300	28900	---	---	---	---	---	---	---	---	---
26	32500	30000	31400	---	---	---	---	---	---	---	---	---
27	31500	29600	30500	---	---	---	---	---	---	---	---	---
28	30300	28300	29600	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---

301954089181700 BAYOU PORTAGE CHANNEL LIGHT 1--Continued

WATER TEMPERATURE, DEGREES CELSIUS, NOVEMBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	14.3	13.3	9.3	19.9	22.7	23.9	28.5	29.2	---	---
2	---	---	14.4	14.0	9.8	20.4	22.8	24.2	28.9	29.4	---	---
3	---	---	15.2	15.2	10.2	20.7	23.2	24.4	29.6	29.9	---	---
4	---	---	16.1	15.9	10.7	19.9	21.3	24.7	29.3	30.2	---	---
5	---	---	16.6	13.0	10.1	18.9	20.3	25.2	28.7	30.6	---	---
6	---	---	15.5	12.3	10.2	19.1	19.9	25.4	28.2	30.7	---	---
7	---	---	14.4	12.3	10.5	19.7	20.6	25.8	27.3	30.9	---	---
8	---	---	14.1	12.2	11.3	20.4	20.5	26.2	27.2	31.8	---	---
9	---	---	14.9	13.4	11.9	21.4	18.5	26.3	27.9	31.8	31.1	---
10	---	---	15.5	14.4	12.7	22.6	18.6	26.7	28.2	31.7	30.5	---
11	---	---	15.0	14.8	13.8	22.5	19.9	27.4	28.5	31.6	29.6	---
12	---	---	15.7	15.7	15.0	19.6	21.0	27.8	29.2	31.5	30.3	---
13	---	---	16.7	16.3	16.0	18.4	21.8	28.1	29.5	31.3	30.8	---
14	---	---	15.6	15.1	17.1	18.4	21.9	27.4	29.5	31.1	30.7	---
15	---	---	15.4	14.4	17.4	18.8	21.8	26.2	28.9	31.0	31.0	---
16	---	---	14.3	14.4	18.0	19.5	22.3	26.2	28.2	31.1	31.0	---
17	---	---	13.8	14.7	18.6	20.4	23.3	26.4	27.9	31.0	31.5	---
18	---	---	13.3	15.7	19.3	20.7	23.1	26.8	28.3	31.1	31.7	---
19	---	17.9	12.9	16.5	20.2	20.3	23.9	27.6	29.2	31.3	31.7	---
20	---	18.3	13.0	16.4	18.0	19.4	24.6	27.9	29.7	31.5	31.2	---
21	---	19.0	12.5	13.7	16.9	19.7	24.4	27.7	30.1	31.2	30.9	---
22	---	19.6	11.5	13.4	16.6	20.4	23.4	27.9	30.3	30.4	30.9	---
23	---	20.1	11.1	13.9	17.0	20.9	22.8	28.2	30.2	29.7	30.4	---
24	---	20.5	11.0	13.0	18.1	21.7	22.8	28.4	30.8	29.5	30.5	---
25	---	20.1	10.5	11.3	19.2	22.3	22.1	28.8	30.9	---	30.8	---
26	---	18.3	10.6	10.1	20.1	22.6	22.2	29.3	30.2	---	31.1	---
27	---	17.6	10.7	9.0	20.1	22.4	22.8	29.3	29.6	---	31.3	---
28	---	17.3	10.6	8.7	19.0	22.2	23.3	29.4	29.6	---	31.5	---
29	---	17.2	10.4	9.1	19.1	22.2	23.4	29.4	29.5	---	31.3	---
30	---	15.5	11.1	9.1	---	23.1	23.7	28.9	29.2	---	30.9	---
31	---	---	12.2	8.9	---	23.0	---	28.7	---	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, OCTOBER 2000 TO MARCH 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	24.2	14.1	6.8	12.6	18.9	---	---	---	---	---	---
2	---	24.2	14.2	5.7	12.1	19.5	---	---	---	---	---	---
3	---	24.2	12.7	6.0	10.6	---	---	---	---	---	---	---
4	---	24.3	12.3	5.9	10.6	---	---	---	---	---	---	---
5	---	24.2	12.2	6.4	11.0	---	---	---	---	---	---	---
6	---	23.8	12.3	7.2	11.9	---	---	---	---	---	---	---
7	---	23.7	12.2	7.8	12.6	---	---	---	---	---	---	---
8	---	24.1	12.2	8.7	13.7	---	---	---	---	---	---	---
9	---	23.5	12.3	8.4	15.1	---	---	---	---	---	---	---
10	---	21.0	13.0	7.8	15.2	---	---	---	---	---	---	---
11	---	19.0	13.4	7.9	14.1	---	---	---	---	---	---	---
12	---	18.3	13.2	8.3	14.6	---	---	---	---	---	---	---
13	---	17.8	11.9	8.4	16.0	---	---	---	---	---	---	---
14	---	16.2	12.6	9.1	16.6	---	---	---	---	---	---	---
15	---	15.0	12.1	9.5	17.7	---	---	---	---	---	---	---
16	---	15.0	13.0	9.5	19.1	---	---	---	---	---	---	---
17	---	15.1	11.6	10.0	17.2	---	---	---	---	---	---	---
18	21.8	13.4	10.5	10.5	14.4	---	---	---	---	---	---	---
19	22.0	11.8	9.1	10.9	14.4	---	---	---	---	---	---	---
20	22.2	12.6	7.9	10.0	15.3	---	---	---	---	---	---	---
21	22.7	12.7	8.0	9.7	16.2	---	---	---	---	---	---	---
22	23.2	12.8	7.1	9.3	16.9	---	---	---	---	---	---	---
23	23.6	13.2	7.0	9.2	16.7	---	---	---	---	---	---	---
24	23.5	13.3	7.5	9.1	16.7	---	---	---	---	---	---	---
25	23.2	13.5	7.8	9.4	17.3	---	---	---	---	---	---	---
26	23.3	13.2	8.2	9.6	17.3	---	---	---	---	---	---	---
27	23.3	13.6	9.0	10.1	17.8	---	---	---	---	---	---	---
28	23.4	14.0	9.1	11.1	18.3	---	---	---	---	---	---	---
29	23.8	14.3	8.0	12.8	---	---	---	---	---	---	---	---
30	24.0	14.6	7.3	13.4	---	---	---	---	---	---	---	---
31	24.2	---	7.4	13.2	---	---	---	---	---	---	---	---

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

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

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

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

INSTRUMENTATION.--Submersible transducer and data-collection platform since August 2001. Datum of gage is NGVD of 1929. Water-quality monitor since August 2001.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--
GAGE HEIGHT: Maximum recorded, 7.57 ft, Sept. 25, 2002, but may have been higher during periods of instrument malfunction; minimum recorded, 0.94 ft, Jan. 7, 2002, but may have been lower during periods of instrument malfunction.
SPECIFIC CONDUCTANCE: Maximum recorded, 32,600 microsiemens, Mar. 2, 2002, but may have been higher during periods of instrument malfunction; minimum recorded, 1,360 microsiemens, Apr. 13, 14, 2002, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 34.0°C, July 20, 2002, but may have been higher during periods of instrument malfunction; minimum recorded, 5.3°C, Jan. 3, 2002, but may have been lower during periods of instrument malfunction.

EXTREMES FOR CURRENT YEAR.--
GAGE HEIGHT: Maximum recorded, 7.57 ft, Sept. 25, but may have been higher during periods of instrument malfunction; minimum recorded, 0.94 ft, Jan. 7, but may have been lower during periods of instrument malfunction.
SPECIFIC CONDUCTANCE: Maximum recorded, 32,600 microsiemens, Mar. 2, but may have been higher during periods of instrument malfunction; minimum recorded, 1,360 microsiemens, Apr. 13, 14, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 34.0°C, July 20, but may have been higher during periods of instrument malfunction; minimum recorded, 5.3°C, Jan. 3, but may have been lower during periods of instrument malfunction.

GAGE HEIGHT, FEET, AUGUST TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	2.80	3.41
2	---	---	---	---	---	---	---	---	---	4.37	2.67	3.56
3	---	---	---	---	---	---	---	---	---	4.33	2.88	3.65
4	---	---	---	---	---	---	---	---	---	4.02	2.78	3.55
5	---	---	---	---	---	---	---	---	---	3.96	2.95	3.52
6	---	---	---	---	---	---	---	---	---	3.87	3.15	3.54
7	---	---	---	---	---	---	---	---	---	4.05	3.40	3.86
8	---	---	---	---	---	---	---	---	---	4.56	3.06	3.73
9	---	---	---	---	---	---	---	---	---	4.83	2.97	3.81
10	---	---	---	---	---	---	---	---	---	4.59	2.82	3.57
11	---	---	---	---	---	---	---	---	---	4.33	2.54	3.47
12	---	---	---	---	---	---	---	---	---	4.91	3.68	4.28
13	---	---	---	---	---	---	---	---	---	5.65	3.41	4.51
14	---	---	---	---	---	---	---	---	---	5.52	2.96	4.29
15	---	---	---	---	---	---	---	---	---	5.06	2.62	3.87
16	---	---	---	---	---	---	---	---	---	4.47	2.70	3.64
17	---	---	---	---	---	---	---	---	---	4.27	3.21	3.75
18	---	---	---	---	---	---	---	---	---	4.39	3.10	3.74
19	---	---	---	---	---	---	---	---	---	4.24	3.60	3.88
20	---	---	---	---	---	---	---	---	---	4.55	2.85	3.70
21	---	---	---	---	---	---	---	---	---	4.92	3.30	4.01
22	---	---	---	---	---	---	---	---	---	4.73	3.15	3.85
23	---	---	---	---	---	---	---	---	---	4.71	3.00	3.76
24	---	---	---	---	---	---	---	---	---	4.70	2.90	3.69
25	---	---	---	---	---	---	---	---	---	4.48	2.63	3.63
26	---	---	---	---	---	---	---	---	---	4.44	2.92	3.70
27	---	---	---	---	---	---	---	2.22	---	4.35	2.83	3.65
28	---	---	---	---	---	---	4.32	2.06	3.21	4.44	2.93	3.71
29	---	---	---	---	---	---	4.31	2.30	3.34	4.62	3.11	3.89
30	---	---	---	---	---	---	4.48	2.72	3.61	4.33	3.19	3.77
31	---	---	---	---	---	---	4.43	2.59	3.63	---	---	---

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

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	3.79	2.91	3.33	4.80	2.96	3.87	4.69	2.19	3.48	4.42	1.78	2.53
2	3.73	3.16	3.44	4.84	2.94	3.92	4.59	2.02	3.19	3.95	1.87	2.69
3	4.19	2.90	3.53	4.81	3.04	3.93	4.58	2.12	3.26	3.51	1.34	2.22
4	4.40	3.10	3.78	4.81	2.74	3.65	4.63	2.30	3.56	2.91	1.44	2.23
5	4.88	3.19	4.03	4.62	2.88	3.70	4.76	2.54	3.56	5.64	2.81	4.12
6	4.90	2.78	3.61	4.51	2.56	3.51	4.36	2.52	3.38	4.62	1.34	2.29
7	4.71	2.97	3.79	4.50	2.57	3.55	4.29	2.51	3.36	2.72	0.94	1.92
8	4.85	3.41	4.12	4.53	2.74	3.65	3.84	2.83	3.45	2.99	1.33	2.18
9	5.32	3.92	4.54	4.24	---	---	3.59	2.95	3.21	3.63	1.30	2.44
10	5.58	3.63	4.70	---	---	---	3.90	3.11	3.39	4.04	1.49	2.74
11	5.75	3.82	4.73	---	---	---	4.50	2.56	3.44	3.95	1.53	2.77
12	5.89	3.31	4.77	---	---	---	4.55	2.83	3.67	4.10	1.71	2.83
13	6.47	4.19	5.33	---	---	---	5.25	2.30	3.65	4.32	1.66	2.87
14	4.62	3.52	3.96	---	---	---	4.98	1.94	3.30	4.32	2.28	3.24
15	5.08	3.85	4.36	---	---	---	5.00	2.52	3.71	4.12	1.68	2.75
16	3.87	2.24	3.13	4.18	2.45	3.36	5.33	2.55	3.86	3.77	2.27	2.95
17	3.97	2.92	3.37	4.31	2.13	3.12	5.37	2.57	3.41	3.72	2.04	2.86
18	4.53	2.70	3.49	4.47	2.06	3.10	4.15	2.31	3.08	3.77	2.07	2.91
19	4.60	2.39	3.50	4.52	2.42	3.32	4.28	1.94	2.74	3.48	1.51	2.68
20	4.70	2.60	3.57	4.23	2.21	3.17	3.44	2.21	2.61	3.62	2.07	3.18
21	4.77	2.80	3.70	4.25	2.71	3.56	3.82	2.67	3.26	3.61	2.42	3.00
22	4.61	2.75	3.63	4.52	3.15	3.81	4.57	3.25	3.75	4.01	2.44	3.31
23	4.74	3.02	3.88	4.75	3.06	3.98	4.74	3.09	3.70	4.04	2.55	3.30
24	4.76	3.15	3.93	4.94	3.68	4.25	3.51	3.00	3.31	4.45	2.30	3.40
25	4.39	2.92	3.61	3.90	3.29	3.59	3.72	2.59	3.25	3.68	1.57	2.82
26	4.03	2.76	3.45	4.10	3.50	3.74	3.41	1.99	2.79	4.16	1.90	3.03
27	3.23	2.30	2.86	4.84	3.26	4.03	3.96	1.41	2.69	4.57	1.81	3.13
28	3.77	2.78	3.26	5.31	3.44	4.32	4.62	1.64	3.18	4.58	1.92	3.19
29	3.74	3.10	3.42	5.19	3.62	4.37	4.28	1.88	3.23	4.56	2.12	3.27
30	3.91	2.85	3.52	4.84	2.35	3.56	4.39	2.13	3.19	4.53	2.43	3.35
31	4.33	2.79	3.62	---	---	---	4.47	1.94	3.13	4.48	2.72	3.51

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.41	1.68	2.56	4.96	3.39	4.12	4.55	2.12	3.38	---	---	---
2	3.07	2.29	2.72	5.66	3.39	4.53	4.78	2.30	3.57	---	---	---
3	3.18	2.02	2.85	3.39	1.64	2.60	4.60	2.12	3.32	---	---	---
4	3.28	1.86	2.52	2.72	1.46	1.93	3.90	2.07	2.95	---	---	---
5	4.72	1.88	3.30	3.39	1.13	2.30	3.68	1.80	2.73	---	---	---
6	4.72	3.17	3.90	3.77	1.50	2.69	3.93	1.87	2.99	---	---	---
7	3.74	1.58	2.66	4.05	1.87	3.05	4.69	2.08	3.49	---	---	---
8	3.83	1.79	2.81	4.33	2.20	3.32	5.18	3.37	4.19	---	---	---
9	4.16	1.77	2.97	3.78	2.43	3.12	5.02	3.68	4.23	---	---	---
10	3.91	1.99	2.87	3.55	1.64	2.66	4.07	3.07	3.63	---	---	---
11	3.23	1.53	2.32	4.10	2.39	3.19	4.83	3.41	3.84	---	---	---
12	3.53	1.70	2.65	4.09	---	---	4.57	3.33	3.94	---	---	---
13	3.53	1.65	2.70	---	---	---	4.38	3.08	3.90	---	---	---
14	3.45	2.07	2.74	---	---	---	4.44	2.73	3.75	---	---	---
15	3.39	2.29	2.98	---	---	---	4.32	2.62	3.49	---	---	---
16	3.42	2.02	2.71	---	---	---	4.53	2.55	3.58	---	---	---
17	3.07	2.38	2.62	---	---	---	4.51	2.36	3.44	---	---	---
18	4.05	2.43	3.42	---	---	---	4.36	2.26	3.27	---	---	---
19	4.65	3.21	3.90	---	---	---	4.39	2.16	3.26	---	---	---
20	4.72	3.39	4.01	---	---	---	4.18	2.12	3.20	---	---	---
21	4.50	2.65	3.59	---	---	---	4.11	2.21	3.29	---	---	---
22	3.70	1.67	2.88	---	---	---	3.78	1.82	2.91	---	---	---
23	3.96	1.70	2.89	---	---	---	4.27	2.85	3.61	---	---	---
24	4.07	1.77	2.98	---	---	---	3.96	2.70	3.46	---	---	---
25	4.57	1.85	3.13	---	---	---	3.75	2.52	3.12	---	---	---
26	4.43	1.30	2.52	---	---	---	4.46	2.73	3.74	---	---	---
27	3.38	1.08	2.07	---	---	---	4.80	2.98	3.98	---	---	---
28	3.61	2.09	2.82	3.66	2.82	3.26	4.62	2.27	3.66	---	---	---
29	---	---	---	3.62	2.43	3.21	4.40	2.18	3.16	---	---	---
30	---	---	---	4.14	2.92	3.47	4.41	2.09	3.23	---	---	---
31	---	---	---	4.32	2.30	3.43	---	---	---	---	---	---

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

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	3.63	2.84	3.22	3.65	1.33	2.80	5.04	3.10	3.95
2	---	---	---	3.80	2.33	3.16	3.89	1.77	2.99	5.07	2.74	3.89
3	---	---	---	3.48	1.92	2.67	4.36	2.33	3.25	4.99	2.81	3.97
4	---	---	---	3.76	1.88	2.79	4.81	3.06	4.11	4.91	3.03	3.94
5	---	---	---	3.75	1.64	2.72	6.09	2.61	4.13	4.40	2.91	3.57
6	4.79	2.79	4.77	4.04	2.08	2.95	4.82	1.99	3.46	5.23	3.25	4.33
7	4.17	2.88	3.52	4.02	2.25	3.06	4.15	2.14	3.05	6.50	4.03	5.02
8	4.28	3.22	3.67	4.68	2.62	3.63	4.86	2.34	3.79	5.31	4.27	4.77
9	5.32	3.58	4.44	4.67	2.64	3.62	4.80	3.01	3.98	4.41	3.37	4.15
10	5.28	3.27	4.34	4.42	2.84	3.61	4.83	3.26	4.22	4.49	1.78	3.60
11	4.95	2.92	4.07	4.28	2.79	3.55	4.88	3.78	4.33	4.57	0.97	3.12
12	4.59	2.92	3.70	4.14	2.75	3.62	4.27	2.76	3.79	4.70	2.01	3.57
13	4.28	2.77	3.40	4.68	2.74	3.49	4.28	2.38	3.40	5.31	2.81	4.25
14	3.77	2.62	3.04	3.92	2.26	3.13	4.38	2.25	3.27	6.69	2.33	4.38
15	4.51	2.55	3.62	3.51	2.20	2.90	4.64	2.69	3.59	4.83	2.12	3.39
16	4.54	2.41	3.52	3.77	2.28	2.93	4.64	2.59	3.60	4.61	2.12	3.21
17	4.56	3.36	4.01	3.76	1.62	2.59	4.92	2.00	3.40	4.32	2.29	3.15
18	4.27	3.67	3.96	3.80	1.40	2.65	4.59	2.39	3.21	3.94	2.34	3.02
19	4.63	3.84	4.04	3.83	1.65	2.64	4.17	2.06	3.16	3.71	2.66	3.10
20	4.63	3.11	3.99	4.24	1.36	2.79	4.27	2.46	3.24	3.76	2.92	3.38
21	4.73	3.21	4.00	5.02	2.40	3.14	4.85	2.52	3.41	4.34	3.24	3.71
22	5.24	3.02	4.17	4.14	2.21	3.24	4.77	2.72	3.52	5.02	3.24	4.16
23	5.24	2.85	4.02	3.92	2.23	3.04	3.66	2.70	3.25	5.24	3.92	4.45
24	4.96	2.84	3.98	4.07	2.34	3.30	3.61	2.84	3.18	6.11	4.58	5.09
25	4.67	2.89	3.92	4.63	2.57	3.36	3.78	2.30	3.09	7.57	5.14	5.96
26	5.02	2.62	3.70	3.99	2.41	3.11	3.74	2.08	3.06	---	---	---
27	4.59	2.70	3.73	3.51	2.45	3.00	3.54	1.94	2.84	---	---	---
28	4.31	2.58	3.43	3.42	2.38	2.98	3.76	2.02	2.89	---	---	---
29	3.98	2.73	3.39	4.26	2.40	3.15	3.91	1.66	3.03	---	---	---
30	4.01	2.96	3.40	3.85	2.47	3.25	4.33	2.36	3.36	---	---	---
31	---	---	---	3.76	2.02	3.05	4.64	2.51	3.64	---	---	---

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, AUGUST TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	15000	16400
2	---	---	---	---	---	---	---	---	---	20900	10900	17200
3	---	---	---	---	---	---	---	---	---	18600	10900	16600
4	---	---	---	---	---	---	---	---	---	17300	8530	14800
5	---	---	---	---	---	---	---	---	---	17100	6250	12500
6	---	---	---	---	---	---	---	---	---	20200	4660	14100
7	---	---	---	---	---	---	---	---	---	16800	9340	13600
8	---	---	---	---	---	---	---	---	---	22200	6210	12500
9	---	---	---	---	---	---	---	---	---	24700	8040	15800
10	---	---	---	---	---	---	---	---	---	20500	6540	12900
11	---	---	---	---	---	---	---	---	---	18700	3510	10500
12	---	---	---	---	---	---	---	---	---	17100	8180	14900
13	---	---	---	---	---	---	---	---	---	18400	10100	15600
14	---	---	---	---	---	---	---	---	---	18300	8550	13900
15	---	---	---	---	---	---	---	---	---	18200	9800	15400
16	---	---	---	---	---	---	---	---	---	18700	8420	15500
17	---	---	---	---	---	---	---	---	---	17400	13900	16100
18	---	---	---	---	---	---	---	---	---	16500	10000	15000
19	---	---	---	---	---	---	---	---	---	16800	10300	13500
20	---	---	---	---	---	---	---	---	---	14300	9110	12100
21	---	---	---	---	---	---	---	---	---	14700	7290	11000
22	---	---	---	---	---	---	---	---	---	16600	5080	10800
23	---	---	---	---	---	---	---	---	---	17500	6110	12200
24	---	---	---	---	---	---	---	---	---	18200	5480	11900
25	---	---	---	---	---	---	---	---	---	13100	4660	9640
26	---	---	---	---	---	---	---	---	---	16400	7880	12500
27	---	---	---	---	---	---	18000	14800	17000	14300	8730	12100
28	---	---	---	---	---	---	18900	15200	17400	15700	8540	11900
29	---	---	---	---	---	---	20300	13200	17900	15600	8270	12700
30	---	---	---	---	---	---	20000	13200	18100	14000	11600	13200
31	---	---	---	---	---	---	20600	14700	18200	---	---	---

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

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	16700	8580	12000	21000	12200	14000	21000	17500	19800	20700	16500	17900
2	16900	10400	14500	28600	12300	18300	20300	15400	18500	20300	15600	17900
3	16200	6780	14100	29000	11800	21800	21600	13900	18200	19400	13200	17400
4	16300	11300	14500	28200	12300	19300	21900	19100	20700	20500	15100	17700
5	18700	11300	15300	25100	13400	21300	22100	19000	20700	24700	10800	16300
6	18700	12100	15600	26400	20500	23600	22100	18000	20100	24600	10700	19500
7	18400	11300	15200	26200	19200	23400	21500	17800	19600	19200	9090	14300
8	20200	11900	17700	25300	19900	23300	21300	15100	19600	14400	4240	10800
9	20200	18100	19300	---	---	---	19100	16400	17400	12700	6900	9820
10	22600	18700	20700	---	---	---	20200	17700	18600	13400	9100	10600
11	25200	16300	20900	---	---	---	21100	15800	18400	19300	5540	12500
12	24100	13300	21200	---	---	---	23400	18100	21000	22300	6160	15200
13	25500	15700	22700	---	---	---	24700	17500	21400	27400	6500	21100
14	19600	7080	13600	---	---	---	25900	18000	23500	27700	8780	20700
15	23600	5000	16300	---	---	---	25500	15300	20400	27800	9020	22100
16	13200	2320	7930	26900	19900	23600	23700	18600	21100	25600	13100	21300
17	15800	8420	10900	26500	19300	23600	23800	18300	21600	25300	10000	21800
18	15700	8550	12300	26000	20500	23700	23500	13800	19600	25500	15000	22500
19	15800	8850	13400	25200	20200	22900	23500	17000	20500	23500	16400	22400
20	15600	11400	13700	25000	20400	22700	17700	13300	15500	23600	16400	20900
21	16100	9820	13300	24500	20500	22700	17000	15400	16300	24700	19500	21500
22	16700	11700	14000	24800	21700	23300	16100	14300	15000	24100	14300	17400
23	17400	12000	15300	24800	21600	23100	16700	14300	15000	23600	16400	19500
24	18300	15600	17000	24200	22000	23200	25400	14100	19100	25400	17700	21600
25	18000	10000	15100	23900	21200	22300	25600	12100	18500	24600	14300	21500
26	15800	10100	12300	24400	20200	20900	26700	14400	21800	23600	14500	20200
27	12000	9370	10500	21100	19800	20400	25800	18900	22400	23600	13100	19200
28	14500	9260	12300	22000	19400	20100	23500	16100	20200	23800	13500	20400
29	14100	13100	13600	22000	19200	20800	20400	16600	19000	24100	15100	20500
30	14700	13100	13800	22500	17500	20300	22000	17400	19000	24100	17700	20400
31	16200	9930	13400	---	---	---	21500	17300	19600	24100	16100	20100

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	23300	11300	17900	18600	17400	18000	12400	3770	8200	14000	10200	13000
2	19100	11700	15300	32600	17700	24400	12200	3170	8620	12800	10600	11400
3	18600	13100	16900	26300	9170	16800	11800	4240	8520	10600	8800	9840
4	18600	13900	15900	27900	12700	18000	10000	2640	5550	9860	7790	9030
5	17100	13600	15900	27500	9660	22400	9430	1770	5270	9170	7110	8430
6	27500	14900	18500	21900	8990	16900	8630	3570	6180	12300	7990	10600
7	29300	17500	24600	24200	11900	17900	9390	5090	7870	12900	11200	11700
8	26800	10700	20800	23300	15000	18900	11400	8050	9560	12900	10800	11600
9	26200	11700	21600	24300	14800	19000	9740	4310	6690	11900	9750	10900
10	25200	13800	20700	23300	9900	15600	8550	1630	3910	11000	9290	10100
11	23700	13600	19300	23700	15000	18800	3820	2210	2800	14400	10000	12100
12	23400	17300	21200	---	---	---	2980	2030	2670	15800	12100	14300
13	22600	13200	19600	---	---	---	2730	1360	1940	16100	11200	14600
14	21400	15900	18900	---	---	---	4110	1360	2780	16500	7730	13400
15	20900	15700	19100	---	---	---	4610	2480	3400	16200	11400	13800
16	21100	16800	19300	---	---	---	9260	2760	6160	19000	14000	17500
17	20600	16300	18200	---	---	---	7540	3760	5640	19000	14100	17400
18	18200	16100	17000	---	---	---	7320	3500	5330	15400	9630	12500
19	27900	17400	21500	---	---	---	5660	1880	4540	16600	7990	11700
20	27400	20800	24700	---	---	---	4990	2310	4280	18600	11800	15600
21	31600	16500	25400	---	---	---	4670	2600	4060	17900	13900	15800
22	29100	17100	23400	---	---	---	4060	2220	2980	18100	13900	15800
23	25800	17500	22500	---	---	---	4380	1900	2750	18400	11500	16200
24	24200	14700	21300	---	---	---	5080	2570	3830	18100	17300	17600
25	22700	17200	21100	---	---	---	4820	2630	3360	20500	17200	18900
26	22300	16700	19700	---	---	---	9000	2160	5230	21000	17100	19300
27	19600	15900	17800	---	---	---	12300	4880	9470	21300	15300	19600
28	18400	15800	17500	---	---	---	12600	8220	10800	21200	14600	19400
29	---	---	---	8100	5680	6760	15100	4380	11000	22000	17800	20400
30	---	---	---	8620	6910	7570	16000	5810	12500	21400	18700	19700
31	---	---	---	10600	4180	7720	---	---	---	---	---	---

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

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	23000	15100	19100	27400	15300	20900	24000	21600	22600
2	---	---	---	20700	14600	17900	27600	15900	21700	24300	21600	22700
3	---	---	---	21700	14200	19400	25700	17100	22300	24000	20200	22700
4	---	---	---	22600	17200	19700	25500	21200	22600	24600	20700	22800
5	---	---	---	23500	16900	19400	31900	21300	26200	25700	20700	23700
6	---	---	---	21000	17500	19100	27300	17600	23100	26400	21300	23800
7	24300	16000	20000	21700	19200	20200	28300	15900	25200	26900	17500	24400
8	26100	14700	21800	22400	19200	20900	28400	14600	25300	20900	16600	18800
9	25100	14900	21400	23000	19200	21500	28600	23900	25900	21400	11400	16700
10	29400	19000	25700	23400	19200	21600	28900	20600	24400	27200	8480	19500
11	26500	18800	23000	23400	18100	21700	27700	22300	25400	28200	12200	22500
12	25700	19700	23400	23800	18500	22200	26700	22400	25500	28800	12500	23100
13	26600	17900	24000	24600	18200	22500	25100	15400	22300	28600	20200	24200
14	26900	20400	24700	24000	20500	22200	26900	17900	23900	30700	18900	25300
15	26900	20200	24100	22200	20100	21500	25300	22200	23800	31700	22800	27700
16	26900	21300	24800	21900	19200	20600	25900	17600	23400	29400	24900	28200
17	25300	20300	22800	21500	19600	20600	25600	16500	21700	28800	21300	26600
18	25000	22800	23500	23000	20400	21200	26000	20100	22900	28100	22600	26300
19	26800	24200	25500	23000	17100	21200	26100	18200	23600	28300	24300	26900
20	26600	23800	25000	22600	19100	21100	24900	18900	22400	28400	25700	27600
21	24200	23000	23600	24000	16900	21900	24100	19500	22000	27600	23000	25900
22	25500	20100	23400	23700	20500	22100	24200	19700	21600	25500	23600	24300
23	26200	20100	24200	24500	20100	22600	23100	20700	21700	25400	23300	24100
24	26900	23500	25400	24200	19900	22400	23100	18200	21300	24300	21700	23800
25	27100	23900	25700	24000	18400	21200	21700	19300	20700	26000	20800	23300
26	27100	22600	25400	24100	18700	22100	21300	17400	20000	---	---	---
27	26600	22300	25200	24200	20400	22200	19400	16300	18100	---	---	---
28	26500	19500	24400	22100	19500	21500	17800	15400	16800	---	---	---
29	25400	20500	23000	23700	20000	22000	20700	15800	18900	---	---	---
30	23700	16800	20400	21600	18200	19700	21200	18400	20000	---	---	---
31	---	---	---	24900	17400	21900	23000	20100	21100	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, AUGUST TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	28.8
2	---	---	---	---	---	---	---	---	---	---	---	28.8
3	---	---	---	---	---	---	---	---	---	---	---	28.3
4	---	---	---	---	---	---	---	---	---	---	---	28.0
5	---	---	---	---	---	---	---	---	---	---	---	28.1
6	---	---	---	---	---	---	---	---	---	---	---	28.5
7	---	---	---	---	---	---	---	---	---	---	---	29.0
8	---	---	---	---	---	---	---	---	---	---	---	29.2
9	---	---	---	---	---	---	---	---	---	---	---	28.8
10	---	---	---	---	---	---	---	---	---	---	---	28.4
11	---	---	---	---	---	---	---	---	---	---	---	28.8
12	---	---	---	---	---	---	---	---	---	---	---	29.3
13	---	---	---	---	---	---	---	---	---	---	---	28.7
14	---	---	---	---	---	---	---	---	---	---	---	27.6
15	---	---	---	---	---	---	---	---	---	---	---	27.4
16	---	---	---	---	---	---	---	---	---	---	---	27.3
17	---	---	---	---	---	---	---	---	---	---	---	27.4
18	---	---	---	---	---	---	---	---	---	---	---	27.4
19	---	---	---	---	---	---	---	---	---	---	---	27.6
20	---	---	---	---	---	---	---	---	---	---	---	27.9
21	---	---	---	---	---	---	---	---	---	---	---	27.7
22	---	---	---	---	---	---	---	---	---	---	---	27.7
23	---	---	---	---	---	---	---	---	---	---	---	27.8
24	---	---	---	---	---	---	---	---	---	---	---	27.8
25	---	---	---	---	---	---	---	---	---	---	---	25.4
26	---	---	---	---	---	---	---	---	---	---	---	24.0
27	---	---	---	---	---	---	---	---	---	---	30.2	23.3
28	---	---	---	---	---	---	---	---	---	---	29.8	22.6
29	---	---	---	---	---	---	---	---	---	---	29.6	22.1
30	---	---	---	---	---	---	---	---	---	---	29.3	22.2
31	---	---	---	---	---	---	---	---	---	---	29.3	---

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

WATER TEMPERATURE, DEGREES CELIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.2	18.8	18.7	8.1	17.6	10.7	20.1	26.8	26.7	29.6	30.2	29.2
2	22.6	19.7	18.5	7.0	14.7	11.7	20.8	27.0	27.9	29.9	30.3	28.5
3	22.3	20.0	18.4	7.1	14.6	10.4	21.8	27.4	28.5	30.4	29.9	28.3
4	23.0	20.7	18.9	7.2	13.7	8.3	18.9	27.5	29.4	30.7	29.5	28.3
5	24.1	19.9	19.3	7.3	11.4	9.6	17.2	28.1	29.7	31.3	28.5	28.6
6	24.0	19.4	19.9	8.0	10.7	10.2	17.4	28.5	29.3	31.1	28.4	28.7
7	22.2	19.5	20.0	8.0	11.0	11.7	18.8	28.4	29.7	31.2	29.2	27.7
8	22.3	19.9	20.2	7.3	10.3	13.6	20.0	28.5	29.9	30.0	29.5	27.2
9	22.5	20.1	18.6	8.2	11.1	14.9	19.7	28.3	29.1	29.4	28.4	27.1
10	22.6	---	17.9	9.6	12.6	12.6	20.1	28.7	28.2	29.6	27.8	27.5
11	23.4	---	17.0	10.3	12.0	13.4	21.0	28.6	28.4	29.9	27.8	28.1
12	23.9	---	17.4	10.6	12.7	---	21.1	28.1	28.9	30.1	28.1	28.6
13	24.6	---	18.1	10.3	13.1	---	21.1	27.5	29.7	29.8	28.4	29.0
14	23.6	---	18.5	10.7	12.7	---	22.1	23.9	30.1	29.9	28.8	28.7
15	23.1	---	18.0	11.1	12.9	---	23.2	23.4	28.6	29.7	29.6	29.0
16	21.9	19.4	19.2	11.2	13.8	---	24.2	24.1	28.2	29.8	30.0	29.4
17	19.2	19.1	19.5	11.5	14.1	---	24.6	26.0	27.0	30.8	30.6	29.4
18	18.1	19.3	18.5	12.3	14.5	---	24.9	23.9	27.8	31.4	31.3	29.8
19	18.9	19.7	18.1	13.2	14.9	---	26.0	19.9	28.1	31.9	31.1	30.0
20	19.8	19.1	15.5	12.4	15.8	---	26.8	20.1	28.2	32.8	30.7	29.6
21	21.5	17.5	14.9	13.4	15.8	---	26.9	20.6	28.0	31.3	30.7	29.7
22	22.1	17.3	15.0	13.8	15.0	---	26.5	21.0	27.2	30.3	29.4	29.4
23	22.8	18.3	15.7	14.6	13.3	---	25.0	21.8	27.1	29.7	29.4	27.9
24	23.1	18.9	14.1	15.6	14.2	---	25.7	23.2	27.8	30.1	29.5	26.4
25	22.9	19.1	12.9	15.7	15.4	---	26.6	24.8	28.4	29.1	29.6	25.2
26	20.7	19.8	12.6	14.6	15.3	---	25.6	25.3	28.6	29.5	29.5	---
27	18.3	20.9	11.8	14.7	11.3	---	25.7	25.7	27.9	30.0	29.5	---
28	16.5	21.2	11.8	15.4	10.8	---	26.3	26.2	28.1	30.9	30.1	---
29	15.9	21.1	12.6	16.7	---	19.1	26.5	26.5	28.7	30.8	30.1	---
30	16.4	19.3	11.8	18.2	---	20.8	26.7	25.9	28.8	30.2	29.7	---
31	17.0	---	10.4	18.9	---	21.2	---	25.9	---	30.2	29.7	---

02481880 PEARL RIVER AT BURNSIDE, MS

LOCATION.--Lat 32°50′29", long 89°05′51", in NE1/4 NE1/4 sec.6, T.11 N., R.12 E., Choctaw Meridian, Neshoba County, Hydrologic Unit 03180001, on right bank at downstream edge of roadway at bridge on State Highway 15, 2.4 mi upstream from Illinois Central and Gulf railroad, 4.8 mi north of Philadelphia and 0.9 mi south of Burnside.

DRAINAGE AREA.--520 mi^2.

PERIOD OF RECORD.--January 1981 to current year. Daily mean gage heights published since October 1984.

GAGE.--Water-stage recorder. Datum of gage is 376.30 ft above NGVD of 1929.

REMARKS.--Estimated daily discharges: Mar. 11-14, Sept. 8-17 and Sept. 19-24. Records good except for estimated daily discharges, which are poor. Telemeter and satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge observed, 70,600 ft^3/s, Apr. 13, 1979, gage height, 23.31 ft.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 16	1830	4,020	13.99	Jan. 26	1830	*4,570	*14.22

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	51	665	330	1550	434	771	42	5.7	46	72	9.2
2	11	43	810	254	1550	352	1060	41	4.4	32	169	7.7
3	8.9	38	872	207	1740	305	1390	37	4.0	18	242	6.2
4	6.0	34	777	173	1590	272	1160	35	4.1	13	149	4.9
5	5.8	32	689	150	1380	244	950	80	4.1	10	65	4.6
6	9.7	31	619	168	1590	217	821	162	4.2	8.2	40	4.0
7	11	30	528	219	2250	196	676	118	3.7	13	29	3.2
8	9.8	27	399	254	3080	183	577	75	3.4	10	22	e3.2
9	8.9	25	276	271	3000	175	974	55	3.5	7.4	16	e3.1
10	7.8	22	202	276	2560	172	1320	43	3.3	6.4	13	e3.0
11	10	24	156	273	2000	e188	1860	34	7.8	11	9.4	e2.9
12	20	24	128	260	1560	e254	1600	28	6.0	8.7	7.4	e2.9
13	49	22	329	236	1240	e401	1360	24	4.0	5.9	5.5	e2.8
14	351	26	1010	208	980	e1190	1330	22	4.0	5.0	4.6	e2.8
15	539	23	1960	185	783	1690	1180	19	3.7	4.6	4.6	e2.7
16	808	19	3730	165	612	1470	957	16	3.2	4.2	4.4	e2.7
17	1130	19	3680	144	475	1530	773	15	3.0	4.0	8.9	e2.6
18	1170	20	2740	129	379	2470	610	14	3.1	4.3	16	2.5
19	1060	20	2100	194	318	2370	474	13	2.9	3.3	44	e2.5
20	880	19	1600	453	509	2160	343	11	2.8	2.3	32	e2.3
21	690	19	1230	578	722	2460	253	9.6	3.7	10	23	e2.2
22	509	24	975	795	848	2530	196	9.0	3.2	44	17	e2.0
23	334	23	887	1090	1050	2390	157	10	3.8	17	16	e2.1
24	211	68	879	1480	1070	2020	126	8.2	4.2	12	17	e9.8
25	162	273	767	2480	990	1640	101	5.4	4.4	9.8	16	27
26	160	313	715	4190	867	1350	82	4.2	3.8	26	18	210
27	132	273	731	4120	710	1080	69	3.4	3.3	33	45	581
28	104	269	754	3600	559	895	59	5.9	14	33	46	803
29	82	343	690	2690	---	751	50	4.9	13	20	31	2610
30	69	624	574	1950	---	589	45	6.0	26	34	22	2780
31	60	---	448	1480	---	549	---	6.9	---	23	13	---
TOTAL	8621.9	2778	31920	29002	35962	32527	21324	957.5	160.3	479.1	1217.8	7102.9
MEAN	278.1	92.60	1030	935.5	1284	1049	710.8	30.89	5.343	15.45	39.28	236.8
MAX	1170	624	3730	4190	3080	2530	1860	162	26	46	242	2780
MIN	5.8	19	128	129	318	172	45	3.4	2.8	2.3	4.4	2.0
CFSM	0.53	0.18	1.98	1.80	2.47	2.02	1.37	0.06	0.01	0.03	0.08	0.46
IN.	0.62	0.20	2.28	2.07	2.57	2.33	1.53	0.07	0.01	0.03	0.09	0.51

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	76.71	347.0	855.2	1291	1558	1287	1166	593.7	234.6	146.1	74.84	59.13
MAX	295	1071	3408	3099	3661	3149	3686	4021	1148	906	342	634
(WY)	1995	1990	1983	1990	1983	1983	1983	1983	1997	1989	1982	2001
MIN	0.94	3.65	7.83	93.8	109	281	70.4	16.7	2.15	3.90	2.73	0.73
(WY)	1988	1988	1988	2000	2000	2000	1986	1988	1988	2000	1999	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1981 - 2002	
ANNUAL TOTAL	248701.2		172052.5			
ANNUAL MEAN	681.4		471.4		648.6	
HIGHEST ANNUAL MEAN					1732	1983
LOWEST ANNUAL MEAN					141	1988
HIGHEST DAILY MEAN	7370	Mar 5	4190	Jan 26	34600	May 21 1983
LOWEST DAILY MEAN	4.6	Jun 30	2.0	Sep 22	0.29	Sep 20 2000
ANNUAL SEVEN-DAY MINIMUM	7.4	May 24	2.3	Sep 17	0.36	Sep 1 2000
MAXIMUM PEAK FLOW			4570	Jan 26	37800	May 21 1983
MAXIMUM PEAK STAGE			14.22	Jan 26	19.77	May 21 1983
ANNUAL RUNOFF (CFSM)	1.31		0.91		1.25	
ANNUAL RUNOFF (INCHES)	17.79		12.31		16.95	
10 PERCENT EXCEEDS	1910		1540		1600	
50 PERCENT EXCEEDS	206		69		142	
90 PERCENT EXCEEDS	14		4.0		4.4	

e Estimated

02481880 PEARL RIVER AT BURNSIDE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.67	5.50	11.06	9.27	12.41	9.39	11.17	5.43	4.37	5.46	5.89	4.49
2	4.63	5.33	11.49	8.60	12.43	8.78	11.80	5.41	4.31	5.14	7.31	4.43
3	4.56	5.22	11.65	8.11	12.61	8.39	12.35	5.32	4.28	4.81	8.13	4.38
4	4.45	5.15	11.40	7.72	12.46	8.09	12.03	5.27	4.29	4.66	7.05	4.31
5	4.44	5.09	11.14	7.42	12.22	7.81	11.68	6.05	4.29	4.59	5.74	4.30
6	4.58	5.07	10.90	7.65	12.44	7.53	11.37	7.25	4.30	4.52	5.23	4.26
7	4.62	5.04	10.49	8.24	12.98	7.30	10.93	6.63	4.27	4.66	4.98	4.22
8	4.59	4.97	9.76	8.60	13.50	7.15	10.55	5.94	4.25	4.59	4.81	4.23
9	4.56	4.93	8.80	8.76	13.46	7.05	11.73	5.54	4.26	4.50	4.67	4.24
10	4.52	4.86	8.05	8.81	13.19	7.02	12.28	5.28	4.25	4.45	4.57	4.25
11	4.59	4.89	7.50	8.78	12.81	---	12.83	5.11	4.46	4.60	4.47	4.25
12	4.86	4.89	7.14	8.66	12.42	---	12.62	4.97	4.41	4.54	4.41	4.26
13	5.47	4.86	8.96	8.42	12.01	---	12.37	4.87	4.30	4.43	4.33	4.29
14	9.10	4.95	11.87	8.13	11.55	---	12.33	4.81	4.30	4.39	4.29	4.32
15	10.33	4.87	12.89	7.87	11.03	12.55	12.13	4.74	4.29	4.36	4.29	4.37
16	11.31	4.78	13.86	7.62	10.39	12.34	11.75	4.66	4.26	4.34	4.27	4.42
17	12.01	4.78	13.84	7.35	9.65	12.39	11.29	4.62	4.24	4.33	4.45	4.46
18	12.07	4.81	13.39	7.15	8.99	13.13	10.74	4.61	4.25	4.35	4.66	4.48
19	11.90	4.79	13.03	7.84	8.51	13.07	10.07	4.59	4.24	4.28	5.31	4.52
20	11.52	4.78	12.66	10.0	9.74	12.94	9.20	4.54	4.24	4.20	5.07	4.50
21	10.96	4.77	12.26	10.57	10.83	13.14	8.40	4.49	4.30	4.45	4.85	4.46
22	10.17	4.91	11.87	11.28	11.22	13.19	7.80	4.47	4.27	5.37	4.71	4.59
23	9.01	4.88	11.68	11.88	11.70	13.10	7.33	4.51	4.31	4.77	4.68	4.62
24	7.84	5.70	11.66	12.39	11.73	12.85	6.91	4.45	4.34	4.63	4.70	4.66
25	7.28	8.54	11.37	13.15	11.58	12.55	6.54	4.34	4.35	4.54	4.66	4.96
26	7.26	8.97	11.22	14.05	11.28	12.24	6.21	4.27	4.32	4.94	4.72	7.62
27	6.88	8.67	11.27	14.03	10.78	11.84	5.96	4.23	4.28	5.11	5.36	10.53
28	6.47	8.69	11.33	13.78	10.13	11.47	5.77	4.37	4.68	5.10	5.38	11.20
29	6.10	9.33	11.14	13.27	---	11.06	5.59	4.33	4.66	4.80	5.05	13.27
30	5.87	10.91	10.70	12.77	---	10.47	5.49	4.38	4.97	5.11	4.83	13.38
31	5.69	---	10.07	12.34	---	10.28	---	4.41	---	4.86	4.61	---
MEAN	7.17	5.83	11.11	9.82	11.57	---	9.91	4.96	4.34	4.67	5.08	5.54
MAX	12.07	10.91	13.86	14.05	13.50	---	12.83	7.25	4.97	5.46	8.13	13.38
MIN	4.44	4.77	7.14	7.15	8.51	---	5.49	4.23	4.24	4.20	4.27	4.22

02482000 PEARL RIVER AT EDINBURG, MS

LOCATION.--Lat 32^{o}47'58", long 89^{o}20'08", in SW1/4 SW1/4 sec.13, T.11 N., R.9 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on right bank 10 ft downstream from bridge on State Highway 16 at Edinburg, 1,100 ft downstream from Hooper Mill Creek, 1.6 mi upstream from Rice Creek and at mile 387.5.

DRAINAGE AREA.--904 mi^2.

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

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

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

REMARKS.--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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Jan. 29	0900	*5,160	*19.18	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	154	1350	958	4160	1060	1810	150	81	90	115	28
2	61	141	1460	820	3530	890	1790	135	72	86	132	22
3	55	129	1330	647	3180	722	1770	123	55	87	167	18
4	51	122	1190	510	2780	581	1560	114	45	93	242	15
5	47	117	1130	430	2390	490	1560	127	38	126	242	13
6	57	112	1080	488	2970	435	1580	142	33	88	169	11
7	64	108	1020	587	3310	393	1450	210	30	65	102	9.5
8	59	104	954	667	3640	360	1570	230	26	49	65	8.3
9	52	100	861	668	3850	339	3100	183	25	40	46	7.2
10	47	97	697	632	4030	330	3010	144	24	38	35	6.3
11	46	96	526	596	4050	313	3390	118	23	33	29	5.7
12	91	94	416	564	3730	979	3070	101	22	33	24	5.5
13	828	90	959	531	3120	1330	2850	89	20	48	21	5.3
14	2790	88	2170	493	2430	1580	2720	80	23	58	19	4.9
15	1840	87	2870	443	1910	1710	2360	73	24	52	17	4.7
16	1640	88	3760	396	1550	1610	1990	65	24	40	24	4.6
17	1430	87	3800	358	1280	1950	1730	60	24	36	36	4.5
18	1230	84	4090	334	1040	2090	1530	57	22	31	40	4.3
19	1150	82	4410	597	812	2040	1310	63	21	27	33	4.5
20	1140	83	4250	946	1390	2460	1100	74	19	24	30	4.5
21	1110	87	3680	1490	1380	3640	882	69	17	20	82	9.3
22	1060	89	2900	1980	1810	3880	650	60	16	25	55	35
23	947	91	2410	1890	1790	4180	475	52	16	91	39	53
24	767	301	2060	1870	1490	4010	372	46	17	100	31	34
25	558	528	2130	3240	1350	3610	307	43	25	88	27	76
26	405	571	2090	3390	1310	3070	257	41	30	80	28	1740
27	319	653	1680	4260	1270	2510	222	39	31	83	28	2910
28	267	830	1370	4910	1180	2050	201	37	36	90	25	2070
29	227	1020	1200	5140	---	1710	181	35	65	92	36	2090
30	193	1470	1120	4950	---	1450	162	40	101	70	43	1700
31	168	---	1050	4440	---	1660	---	63	---	81	36	---
TOTAL	18765	7703	60013	49225	66732	53432	44959	2863	1005	1964	2018	10904.1
MEAN	605.3	256.8	1936	1588	2383	1724	1499	92.35	33.50	63.35	65.10	363.5
MAX	2790	1470	4410	5140	4160	4180	3390	230	101	126	242	2910
MIN	46	82	416	334	812	313	162	35	16	20	17	4.3
CFSM	0.67	0.28	2.14	1.76	2.64	1.91	1.66	0.10	0.04	0.07	0.07	0.40
IN.	0.77	0.32	2.47	2.03	2.75	2.20	1.85	0.12	0.04	0.08	0.08	0.45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1928 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	182.0	437.5	1272	2138	2597	2648	2362	1156	357.7	388.0	219.7	166.1
MAX	2480	2702	8019	7148	7476	7188	10670	7632	1914	3830	1994	1890
(WY)	1976	1978	1962	1974	1983	1976	1979	1983	1939	1940	1975	1979
MIN	4.42	9.63	61.3	105	206	434	156	50.1	8.62	10.2	5.91	3.69
(WY)	2001	1954	1963	1956	2000	2000	1963	1965	1988	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1928 - 2002	
ANNUAL TOTAL	489330		319583.1			
ANNUAL MEAN	1341		875.6		1153	
HIGHEST ANNUAL MEAN					3368	1983
LOWEST ANNUAL MEAN					236	1963
HIGHEST DAILY MEAN	10100	Mar 6	5140	Jan 29	73500	Apr 14 1979
LOWEST DAILY MEAN	35	Jul 22	4.3	Sep 18	1.3	Sep 5 2000
ANNUAL SEVEN-DAY MINIMUM	47	Jul 26	4.6	Sep 14	1.4	Sep 2 2000
MAXIMUM PEAK FLOW			5160	Jan 29	77900	Apr 14 1979
MAXIMUM PEAK STAGE			19.18	Jan 29	30.06	Apr 14 1979
INSTANTANEOUS LOW FLOW			4.2	Sep 17,18	1.2	Sep 5 2000
ANNUAL RUNOFF (CFSM)	1.48		0.97		1.28	
ANNUAL RUNOFF (INCHES)	20.14		13.15		17.33	
10 PERCENT EXCEEDS	3780		2880		3050	
50 PERCENT EXCEEDS	458		193		327	
90 PERCENT EXCEEDS	57		24		25	

02482000 PEARL RIVER AT EDINBURG, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.76	3.72	10.42	8.81	17.36	9.34	11.91	3.73	2.71	2.76	3.18	1.96
2	2.67	3.57	10.80	8.14	16.10	8.64	11.87	3.55	2.58	2.70	3.39	1.80
3	2.58	3.42	10.37	7.28	15.36	7.86	11.81	3.39	2.32	2.72	3.80	1.66
4	2.50	3.32	9.84	6.52	14.46	7.13	11.13	3.27	2.14	2.79	4.52	1.56
5	2.44	3.25	9.56	6.03	13.51	6.60	11.14	3.43	1.99	3.22	4.53	1.48
6	2.60	3.19	9.32	6.40	14.87	6.25	11.20	3.60	1.89	2.74	3.82	1.40
7	2.72	3.13	9.03	6.98	15.67	5.98	10.79	4.29	1.81	2.42	3.04	1.33
8	2.63	3.07	8.69	7.42	16.34	5.74	11.08	4.47	1.71	2.16	2.53	1.27
9	2.50	3.01	8.21	7.43	16.77	5.59	15.19	4.01	1.68	1.99	2.22	1.21
10	2.43	2.96	7.39	7.25	17.12	5.52	15.00	3.58	1.64	1.95	2.01	1.16
11	2.41	2.95	6.48	7.06	17.16	5.39	15.83	3.27	1.60	1.86	1.86	1.12
12	3.09	2.91	5.80	6.88	16.52	8.66	15.14	3.05	1.55	1.85	1.73	1.11
13	6.97	2.85	8.48	6.70	15.23	10.38	14.63	2.88	1.52	2.16	1.65	1.10
14	14.47	2.82	12.93	6.48	13.61	11.21	14.33	2.74	1.59	2.35	1.59	1.08
15	12.00	2.79	14.64	6.17	12.21	11.61	13.44	2.63	1.62	2.24	1.52	1.06
16	11.39	2.80	16.58	5.87	11.11	11.31	12.43	2.52	1.62	2.02	1.77	1.06
17	10.72	2.78	16.67	5.61	10.18	12.32	11.69	2.44	1.60	1.95	2.06	1.05
18	10.0	2.73	17.24	5.45	9.27	12.71	11.03	2.38	1.56	1.82	2.14	1.05
19	9.71	2.69	17.84	6.95	8.29	12.58	10.29	2.48	1.51	1.73	2.01	1.05
20	9.64	2.70	17.53	8.86	10.47	13.66	9.49	2.63	1.46	1.64	1.94	1.06
21	9.54	2.74	16.42	10.86	10.55	16.34	8.55	2.56	1.40	1.55	2.84	1.35
22	9.30	2.76	14.74	12.42	11.91	16.83	7.41	2.42	1.36	1.66	2.45	2.17
23	8.81	2.78	13.57	12.15	11.87	17.42	6.41	2.29	1.35	2.83	2.17	2.55
24	7.94	4.46	12.63	12.04	10.91	17.08	5.73	2.18	1.39	2.96	1.99	2.19
25	6.84	6.43	12.84	15.49	10.43	16.27	5.24	2.12	1.61	2.81	1.90	2.66
26	5.89	6.68	12.70	15.81	10.31	15.13	4.81	2.07	1.74	2.70	1.92	10.99
27	5.27	7.09	11.53	17.55	10.14	13.81	4.49	2.03	1.76	2.75	1.92	14.73
28	4.84	7.97	10.50	18.74	9.84	12.60	4.28	1.99	1.89	2.84	1.86	12.65
29	4.48	8.82	9.88	19.14	---	11.61	4.08	1.96	2.40	2.89	2.11	12.71
30	4.14	10.85	9.53	18.81	---	10.78	3.87	2.04	2.89	2.57	2.27	11.58
31	3.88	---	9.24	17.89	---	11.42	---	2.45	---	2.73	2.14	---
MEAN	6.04	4.04	11.66	9.97	13.13	10.90	10.14	2.85	1.80	2.37	2.42	3.31
MAX	14.47	10.85	17.84	19.14	17.36	17.42	15.83	4.47	2.89	3.22	4.53	14.73
MIN	2.41	2.69	5.80	5.45	8.29	5.39	3.87	1.96	1.35	1.55	1.52	1.05

02482550 PEARL RIVER NEAR CARTHAGE, MS

LOCATION.--Lat 32°42'28", long 89°31'35", in NE1/4 NE1/4 sec.24, T.10 N., R.7 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on left bank at downstream side of bridge on State Highway 35, 2.1 mi south of Carthage, 4.0 mi downstream from Lobutcha Creek, 10.8 mi upstream from Tuscolameta Creek, and at mile 366.3.

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

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

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

GAGE.--Water-stage recorder. Datum of gage is 315.24 ft above NGVD of 1929.

REMARKS.--Estimated daily discharges: Dec. 24 - Jan. 3, Feb. 28 - Mar. 1, Mar. 4-6, May 25-29, and Jun. 3-10. Records good except for 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 ft^3/s.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Sep. 28	0545	*6,980	*17.48				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	190	324	2160	e1460	5810	e1580	3230	370	131	150	198	88
2	180	302	2060	e1280	5230	1430	3090	346	124	143	306	83
3	171	283	1960	e1100	4470	1270	2940	323	120	174	367	79
4	161	266	1730	908	3920	e1080	2680	306	e114	195	407	75
5	154	252	1510	788	3460	e926	2500	336	e112	241	406	71
6	162	243	1390	784	3720	e838	2410	451	e110	216	345	67
7	159	234	1300	934	4510	773	2130	415	e108	163	260	64
8	160	227	1220	1070	4680	724	2190	438	e108	135	192	62
9	153	220	1120	1120	4800	692	4220	404	e108	114	152	59
10	150	213	999	1070	4920	672	4510	346	e109	115	128	57
11	148	208	842	999	5040	687	4520	300	123	144	113	56
12	185	203	708	931	5020	1510	4490	270	111	209	102	54
13	964	198	1180	880	4640	2710	4200	244	105	234	93	53
14	3360	192	2800	833	3750	2720	3900	224	105	243	88	51
15	3620	188	3140	771	2920	2750	3580	213	99	181	82	50
16	3190	184	3520	708	2370	2690	2910	203	98	149	84	49
17	2860	180	4030	659	2000	2830	2390	197	101	161	109	49
18	2650	179	4450	626	1720	3050	2090	195	99	127	132	49
19	2470	175	4750	835	1470	3080	1860	220	95	109	128	49
20	2190	174	5040	1590	2210	3230	1640	227	93	99	109	49
21	1680	175	5020	1950	2690	4460	1400	231	88	93	103	59
22	1450	179	4410	2370	2540	5110	1150	215	84	118	137	152
23	1320	180	3610	2610	2650	5490	922	198	83	186	120	202
24	1150	279	e3200	2640	2470	5500	769	186	83	168	108	181
25	936	614	e2850	4180	2100	5150	654	e150	82	177	109	184
26	752	663	e2590	4600	1870	4600	563	e138	83	167	129	2560
27	601	768	e2430	4870	1770	4000	503	e130	86	231	129	6410
28	506	1110	e2190	5270	e1660	3350	467	e125	95	235	99	6740
29	446	1360	e2050	5710	---	2710	431	e125	104	192	90	5770
30	397	2210	e1740	5970	---	2290	399	160	135	168	90	4600
31	355	---	e1620	5880	---	2510	---	135	---	150	93	---
TOTAL	32870	11983	77619	65396	94410	80412	68738	7821	3096	5187	5008	28072
MEAN	1060	399.4	2504	2110	3372	2594	2291	252.3	103.2	167.3	161.5	935.7
MAX	3620	2210	5040	5970	5810	5500	4520	451	135	243	407	6740
MIN	148	174	708	626	1470	672	399	125	82	93	82	49
CFSM	0.79	0.30	1.86	1.57	2.51	1.93	1.70	0.19	0.08	0.12	0.12	0.70
IN.	0.91	0.33	2.15	1.81	2.61	2.22	1.90	0.22	0.09	0.14	0.14	0.78

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1963 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	392.4	726.4	2137	3616	3832	4210	4097	2027	691.3	520.3	398.8	364.4
MAX	3511	3424	11360	11030	11060	12090	17460	11780	2919	2650	2636	2869
(WY)	1976	1978	1983	1974	1983	1980	1979	1983	1983	1989	1975	1979
MIN	39.4	66.7	205	328	358	744	329	151	57.0	58.9	54.6	40.7
(WY)	1964	1964	1988	2000	2000	2000	1963	1963	1988	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1963 - 2002	
ANNUAL TOTAL	736947		480612			
ANNUAL MEAN	2019		1317		1908	
HIGHEST ANNUAL MEAN					5247	1983
LOWEST ANNUAL MEAN					422	1963
HIGHEST DAILY MEAN	19100	Apr 6	6740	Sep 28	93800	Apr 14 1979
LOWEST DAILY MEAN	115	May 30	49	Sep 16	32	Oct 24 1963
ANNUAL SEVEN-DAY MINIMUM	127	Jul 25	49	Sep 14	33	Oct 24 1963
MAXIMUM PEAK FLOW			6980	Sep 28	102000	Apr 14 1979
MAXIMUM PEAK STAGE			17.48	Sep 28	28.74	Apr 14 1979
INSTANTANEOUS LOW FLOW			49	Sep 15a	31	Oct 30 1963
ANNUAL RUNOFF (CFSM)	1.50		0.98		1.42	
ANNUAL RUNOFF (INCHES)	20.37		13.28		19.26	
10 PERCENT EXCEEDS	5060		4190		4980	
50 PERCENT EXCEEDS	819		406		646	
90 PERCENT EXCEEDS	151		93		101	

e Estimated
a Also occurred on Sept. 16, 17, 18, 19, 20 ,21.

02482550 PEARL RIVER NEAR CARTHAGE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.36	5.33	11.03	---	16.37	---	13.06	5.40	3.62	3.81	4.18	3.16
2	4.27	5.20	10.82	---	15.76	9.33	12.82	5.26	3.55	3.74	4.90	3.09
3	4.20	5.07	10.61	---	14.89	8.87	12.56	5.12	3.50	4.03	5.21	3.03
4	4.12	4.95	10.07	7.74	14.15	---	12.07	5.01	---	4.21	5.38	2.97
5	4.05	4.86	9.52	7.30	13.44	---	11.73	5.19	---	4.57	5.35	2.92
6	4.12	4.79	9.20	7.29	13.83	---	11.56	5.84	---	4.37	5.03	2.87
7	4.10	4.72	8.96	7.82	14.94	7.25	10.97	5.65	---	3.93	4.50	2.82
8	4.11	4.67	8.72	8.26	15.14	7.06	11.04	5.78	---	3.66	4.01	2.80
9	4.05	4.62	8.43	8.43	15.28	6.93	14.57	5.59	---	3.44	3.68	2.75
10	4.02	4.57	8.04	8.27	15.42	6.85	14.94	5.26	---	3.45	3.46	2.72
11	4.00	4.52	7.50	8.04	15.56	6.91	14.95	4.97	3.54	3.74	3.32	2.69
12	4.34	4.48	7.00	7.82	15.53	9.32	14.92	4.78	3.40	4.32	3.21	2.66
13	7.16	4.45	8.48	7.64	15.09	12.13	14.55	4.59	3.34	4.51	3.14	2.64
14	13.27	4.39	12.29	7.47	13.89	12.16	14.12	4.44	3.33	4.58	3.09	2.62
15	13.70	4.36	12.91	7.24	12.51	12.21	13.63	4.35	3.27	4.09	3.04	2.60
16	12.99	4.33	13.54	7.00	11.47	12.10	12.50	4.28	3.25	3.80	3.07	2.59
17	12.41	4.29	14.31	6.80	10.70	12.36	11.51	4.23	3.29	3.91	3.38	2.58
18	12.02	4.28	14.86	6.66	10.06	12.75	10.90	4.21	3.26	3.57	3.63	2.59
19	11.67	4.25	15.22	7.41	9.42	12.80	10.38	4.41	3.22	3.38	3.59	2.59
20	11.10	4.24	15.55	9.72	11.09	13.04	9.84	4.46	3.19	3.26	3.39	2.58
21	9.95	4.25	15.53	10.58	12.10	14.87	9.24	4.49	3.13	3.19	3.32	2.75
22	9.40	4.28	14.82	11.48	11.81	15.63	8.52	4.37	3.08	3.46	3.69	3.88
23	9.05	4.29	13.68	11.94	12.03	16.04	7.78	4.23	3.06	4.13	3.51	4.31
24	8.59	4.95	---	11.99	11.67	16.05	7.23	4.13	3.06	3.98	3.38	4.12
25	7.92	6.74	---	14.52	10.92	15.68	6.77	---	3.05	4.06	3.39	4.08
26	7.29	6.95	---	15.05	10.40	15.04	6.38	---	3.06	3.96	3.61	10.98
27	6.70	7.34	---	15.36	10.17	14.27	6.10	---	3.10	4.46	3.62	16.96
28	6.29	8.46	---	15.81	---	13.25	5.92	---	3.22	4.52	3.28	17.26
29	6.00	9.11	---	16.27	---	12.14	5.74	---	3.32	4.18	3.17	16.33
30	5.75	11.15	---	16.53	---	11.32	5.56	3.89	3.66	3.98	3.17	15.04
31	5.52	---	---	16.44	---	11.72	---	3.66	---	3.81	3.21	---
MEAN	7.31	5.33	---	---	---	---	10.73	---	---	3.94	3.74	5.03
MAX	13.70	11.15	---	---	---	---	14.95	---	---	4.58	5.38	17.26
MIN	4.00	4.24	---	---	---	---	5.56	---	---	3.19	3.04	2.58

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS

LOCATION.--Lat 32°35'17", long 89°27'54", in NE1/4 NW1/4 sec.34, T.9 N., R.8 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on left bank at downstream side of bridge on State Highway 35, over north drainage canal, 1 mi south of city limits of Walnut Grove, 0.6 mi upstream from Illinois Central and Gulf Railroad bridge, 7.5 mi upstream from junction of north and south drainage canals, and 15.5 mi upstream from mouth.

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

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

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

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

REMARKS.--Estimated daily discharges: Oct. 24 - Nov. 27, Apr. 5-8, May 4 - Jun. 30, and Jul. 11 - Sept. 25. Records are poor. Discharge computed by combining flow of individually rated channels. Satellite telemeter and National Weather Service telemeter at station.

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

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 15	1330	*5,890	26.10	Apr. 11	0200	5,150	25.67
Dec. 16	1200	5,790	*26.13	Sep. 28	2015	5,450	25.82

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	e47	1080	158	1850	160	1690	44	e64	77	e145	e12
2	25	e46	461	148	2260	160	1280	41	e47	64	e122	e14
3	25	e43	237	139	1770	172	468	39	e36	132	e80	e12
4	27	e44	173	139	726	147	248	e47	e32	170	e99	e11
5	31	e42	144	136	364	129	e189	e68	e26	162	e38	e10
6	90	e42	129	483	1620	124	e147	e69	e26	93	e30	e10
7	276	e42	123	950	2600	120	e127	e48	e28	48	e26	e9.4
8	120	e43	123	742	2300	114	e382	e37	e24	33	e23	e9.4
9	62	e38	119	453	1210	116	3880	e56	e27	28	e20	e9.9
10	49	e40	113	303	509	152	4680	e64	e54	24	e20	e10
11	43	e39	112	245	359	150	4260	e45	e44	e51	e21	e10
12	223	e39	115	214	288	930	1360	e37	e32	e59	e18	e20
13	1520	e44	1830	185	246	2160	431	e35	e23	e146	e15	e21
14	4220	e44	4170	172	214	1830	294	e34	e19	e87	e14	e11
15	5510	e40	5030	158	193	827	231	e32	e69	e73	e14	e9.2
16	3400	e38	5690	134	182	714	189	e31	e52	e119	e16	e8.8
17	920	e39	3600	123	169	743	154	e37	e32	e198	e23	e8.2
18	229	e41	1700	127	148	418	129	e61	e24	e105	e35	e11
19	141	e41	1040	1500	136	279	110	e81	e21	e54	e25	e15
20	106	e54	501	3360	1860	484	96	e56	e33	e45	e20	e17
21	86	e63	309	3510	2200	2900	83	e39	e25	e49	e33	e48
22	69	e64	247	2720	1780	3040	76	e35	e43	e63	e21	e132
23	62	e55	1300	1180	638	2150	71	e31	e31	e40	e18	e73
24	e59	e98	1960	1020	311	597	71	e30	e22	e38	e18	e30
25	e59	e88	1510	3330	239	310	64	e29	e24	e45	e20	e118
26	e54	e74	688	3690	211	255	55	e28	e19	e42	e22	2560
27	e51	e79	340	3530	192	239	49	e30	e20	e38	e19	4750
28	e50	231	267	1350	164	210	51	e39	e61	e42	e20	5400
29	e51	593	235	502	---	176	54	e38	e119	e42	e22	4280
30	e48	1380	204	374	---	159	51	e51	e108	e90	e15	1200
31	e48	---	172	322	---	843	---	e74	---	e125	e14	---
TOTAL	17680	3571	33722	31397	24739	20808	20970	1386	1185	2382	1026	18829.9
MEAN	570.3	119.0	1088	1013	883.5	671.2	699.0	44.71	39.50	76.84	33.10	627.7
MAX	5510	1380	5690	3690	2600	3040	4680	81	119	198	145	5400
MIN	25	38	112	123	136	114	49	28	19	24	14	8.2
CFSM	1.39	0.29	2.65	2.46	2.15	1.63	1.70	0.11	0.10	0.19	0.08	1.53
IN.	1.60	0.32	3.05	2.84	2.24	1.88	1.90	0.13	0.11	0.22	0.09	1.70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	113.7	300.4	596.3	1045	1238	1212	1028	490.3	171.5	180.7	108.0	92.61
MAX	1433	1657	3025	4061	4111	4089	3233	2482	780	2001	752	1244
(WY)	1976	1958	1962	1990	1990	1980	1973	1983	1989	1940	1982	1979
MIN	4.53	9.20	50.0	82.6	61.1	189	47.4	23.9	11.8	12.4	9.00	4.13
(WY)	1955	1954	1939	2000	2000	1967	1967	2000	1972	2000	1956	1954

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1939 - 2002	
ANNUAL TOTAL	216032		177695.9			
ANNUAL MEAN	591.9		486.8		544.5	
HIGHEST ANNUAL MEAN					1303	1983
LOWEST ANNUAL MEAN					96.9	2000
HIGHEST DAILY MEAN	8490	Mar 4	5690	Dec 16	32500	Jan 7 1950
LOWEST DAILY MEAN	21	Jul 20	8.2	Sep 17	2.3	Sep 9 2000
ANNUAL SEVEN-DAY MINIMUM	25	Jul 19	9.8	Sep 5	3.3	Sep 26 1954
MAXIMUM PEAK FLOW			5890	Oct 15	34600	Jan 7 1950
MAXIMUM PEAK STAGE			26.13	Dec 16	33.00	Jan 7 1950
ANNUAL RUNOFF (CFSM)	1.44		1.18		1.32	
ANNUAL RUNOFF (INCHES)	19.55		16.08		18.00	
10 PERCENT EXCEEDS	1670		1690		1430	
50 PERCENT EXCEEDS	144		83		105	
90 PERCENT EXCEEDS	33		20		16	

e Estimated

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.04	11.78	16.12	12.54	19.37	12.50	18.41	11.56	12.35	11.76	12.02	12.32
2	11.03	11.86	14.10	12.50	20.35	12.52	16.45	11.52	12.21	11.68	11.37	12.30
3	11.04	11.88	13.05	12.46	18.66	12.64	13.88	11.50	12.11	12.40	11.34	12.31
4	11.09	11.86	12.67	12.40	15.05	12.47	13.00	11.55	12.08	12.57	11.33	12.33
5	11.21	11.89	12.52	12.38	13.62	12.31	---	11.77	12.05	12.46	11.46	12.28
6	11.71	11.94	12.45	14.20	18.52	12.30	---	11.81	12.09	11.82	11.63	12.27
7	12.96	11.96	12.41	15.98	21.41	12.28	---	11.67	12.14	11.48	11.87	12.22
8	11.89	11.96	12.40	15.03	20.22	12.24	---	11.53	12.17	11.38	12.01	12.23
9	11.58	11.97	12.37	13.85	16.84	12.24	24.55	11.64	12.17	11.36	12.08	12.18
10	11.46	11.99	12.35	13.24	14.38	12.48	25.26	11.73	12.20	11.34	12.06	12.17
11	11.47	12.02	12.34	12.97	13.67	12.44	24.55	11.69	12.20	11.51	12.07	12.18
12	12.69	12.02	12.35	12.82	13.28	15.89	17.84	11.66	12.20	11.80	12.05	12.16
13	17.91	12.02	18.85	12.68	13.03	20.17	14.16	11.68	12.20	11.87	12.14	12.20
14	24.92	12.03	24.80	12.59	12.86	18.75	13.42	11.75	12.23	11.94	12.15	12.21
15	25.85	12.06	25.53	12.55	12.71	15.32	13.02	11.77	12.29	12.01	12.19	12.20
16	22.73	12.05	26.08	12.44	12.65	15.12	12.76	11.83	12.27	12.04	12.26	12.20
17	15.64	12.10	23.63	12.38	12.59	15.03	12.55	11.90	12.31	12.16	12.28	12.23
18	12.62	12.08	18.82	12.40	12.48	13.88	12.36	12.04	12.37	12.10	12.29	12.30
19	12.17	12.06	16.16	17.58	12.41	13.24	12.22	12.15	12.45	12.06	12.26	12.32
20	11.98	12.11	14.18	23.47	19.18	14.03	12.10	12.09	12.44	12.03	12.25	12.42
21	11.88	12.15	13.31	23.32	19.86	22.34	11.98	12.07	12.48	12.14	12.34	12.51
22	11.78	12.20	12.95	21.37	18.35	22.05	11.92	12.02	12.49	12.27	12.30	12.82
23	11.75	12.21	17.31	16.96	14.68	19.39	11.86	12.03	12.54	12.21	12.29	12.88
24	11.75	12.36	19.27	16.33	13.36	14.60	11.88	12.04	12.52	12.19	12.30	12.38
25	11.77	12.66	17.61	23.60	12.96	13.40	11.81	12.04	12.52	12.13	12.33	12.55
26	11.81	12.57	14.81	24.11	12.83	13.09	11.72	12.08	12.57	12.13	12.30	20.60
27	11.81	12.50	13.50	23.48	12.75	13.02	11.65	12.12	12.59	12.14	12.36	25.14
28	11.76	13.03	13.12	17.60	12.55	12.81	11.67	12.07	12.72	12.20	12.43	25.75
29	11.77	14.74	12.92	14.37	---	12.63	11.68	12.10	12.77	12.23	12.36	24.54
30	11.77	17.53	12.76	13.76	---	12.54	11.63	12.25	12.28	12.30	12.32	17.13
31	11.78	---	12.63	13.48	---	15.50	---	12.50	---	12.34	12.28	---
MEAN	13.31	12.39	15.59	15.64	15.38	14.49	---	11.88	12.33	12.00	12.09	14.04
MAX	25.85	17.53	26.08	24.11	21.41	22.34	---	12.50	12.77	12.57	12.43	25.75
MIN	11.03	11.78	12.34	12.38	12.41	12.24	---	11.50	12.05	11.34	11.33	12.16

02483500 PEARL RIVER NEAR LENA, MS

LOCATION.--Lat 32°40'02", long 89°38'45", in SE1/4 SE1/4 sec.35, T.10 N., R.6 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, County code 079, at State Highway 25, 2.7 mi south of Highway 16 intersection, 6.1 mi northwest of Lena, about 353.8 mi upstream from the mouth, and 2.8 mi upstream of the confluence with the Yockanookany River. The gage is located approximately 52.0 mi upstream of the Ross Barnett Reservoir Dam.

DRAINAGE AREA.--1981 mi^2.

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

GAGE.--Water-stage recorder. Elevation of gage is 300.00 ft above NGVD of 1929, from U.S. Army Corps of Engineers levels. Prior to Jan. 1984 at site of old Highway 13 bridge, .3 mi upstream at datum 0.5 ft lower.

REMARKS.--Estimated daily discharges: Nov. 28 and Jul. 8, 18, 20. Records fair except for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1979, reached a stage of 32.20 ft at datum 0.5 ft lower, and a discharge of 122,000 ft^3/s.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Sep. 29	1430	*13,700	*20.02	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	256	435	4260	1690	7730	1830	5660	480	353	320	404	108
2	238	399	3700	1510	8270	1680	5670	474	325	322	556	101
3	226	373	3300	1330	7740	1530	4910	456	291	291	705	96
4	215	352	3210	1140	6550	1340	4130	427	259	363	746	90
5	212	331	2920	999	5020	1160	3750	405	231	485	644	84
6	217	322	2450	1020	5280	1030	3510	501	212	470	550	78
7	318	311	1950	1670	7540	956	3040	532	197	380	430	71
8	398	301	1580	2020	8110	899	2660	511	185	e308	340	69
9	322	295	1380	1900	7900	861	6600	498	182	251	274	66
10	282	283	1250	1670	7080	847	8870	455	181	216	227	65
11	268	277	1120	1510	6540	895	9390	417	212	228	193	61
12	302	269	994	1350	6310	2200	9670	373	245	352	168	59
13	1060	263	1750	1210	5910	5230	7900	347	207	384	153	55
14	5410	258	5480	1090	5020	5640	5960	312	190	437	135	53
15	7560	255	7600	1000	3780	5210	5140	292	182	426	121	53
16	8410	250	8650	919	2870	4520	4170	276	178	368	116	52
17	8280	247	9910	840	2330	4970	3060	278	174	399	173	50
18	5420	245	11100	790	1980	4960	2410	275	167	e380	181	52
19	3850	245	10200	1130	1700	4620	2060	309	157	298	188	50
20	3590	241	8580	3860	3190	4920	1780	436	149	e248	171	54
21	2990	240	7310	5310	5490	7430	1540	489	139	257	149	66
22	2130	242	6350	6140	5410	9580	1290	465	132	296	155	219
23	1650	248	5580	6220	4730	9970	1050	359	127	376	191	406
24	1410	371	6020	4920	3580	9210	890	293	130	448	161	451
25	1190	627	5770	7090	2940	7380	782	259	132	429	159	405
26	985	794	4900	9030	2420	6400	686	237	131	369	161	2630
27	804	920	3940	9220	2140	5620	618	221	151	354	175	8580
28	695	e1290	3360	9340	1970	4650	572	217	168	432	153	11900
29	620	1700	2790	8370	---	3560	530	236	188	386	136	13600
30	548	3670	2260	7720	---	2800	502	356	229	345	120	12900
31	486	---	1910	7450	---	3170	---	345	---	344	112	---
TOTAL	60342	16054	141574	109458	139530	125068	108800	11531	5804	10962	8147	52524
MEAN	1947	535.1	4567	3531	4983	4034	3627	372.0	193.5	353.6	262.8	1751
MAX	8410	3670	11100	9340	8270	9970	9670	532	353	485	746	13600
MIN	212	240	994	790	1700	847	502	217	127	216	112	50
MED	695	298	3700	1670	5150	4520	3050	359	182	363	173	74
CFSM	0.98	0.27	2.31	1.78	2.52	2.04	1.83	0.19	0.10	0.18	0.13	0.88
IN.	1.13	0.30	2.66	2.06	2.62	2.35	2.04	0.22	0.11	0.21	0.15	0.99

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1937 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	299.8	687.8	2003	4707	5835	5558	4386	2015	984.0	1022	560.2	446.8
MAX	1947	4421	8928	14570	12920	10310	11520	9072	4860	9383	2233	2607
(WY)	2002	1949	1949	1949	1946	1944	1938	1953	1997	1940	1946	2001
MIN	50.0	70.0	250	474	518	1175	1460	268	165	84.5	87.1	58.4
(WY)	1944	1937	1939	2000	2000	2000	1942	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1937 - 2002	
ANNUAL TOTAL	1114736		789794			
ANNUAL MEAN	3054		2164		2357	
HIGHEST ANNUAL MEAN					4843	1949
LOWEST ANNUAL MEAN					873	2000
HIGHEST DAILY MEAN	23100	Apr 7	13600	Sep 29	45500	Jan 8 1950
LOWEST DAILY MEAN	174	Jul 25	50	Sep 17	35	Sep 6 2000
ANNUAL SEVEN-DAY MINIMUM	199	Jul 22	52	Sep 14	40	Sep 1 2000
MAXIMUM PEAK FLOW			13700	Sep 29	46500	Jan 8 1950
MAXIMUM PEAK STAGE			20.02	Sep 29	28.56	Jan 8 1950
INSTANTANEOUS LOW FLOW			49	Sep 14a	30	Sep 6 2000
ANNUAL RUNOFF (CFSM)	1.54		1.09		1.19	
ANNUAL RUNOFF (INCHES)	20.93		14.83		16.17	
10 PERCENT EXCEEDS	8290		7080		6540	
50 PERCENT EXCEEDS	1260		548		750	
90 PERCENT EXCEEDS	264		152		120	

e Estimated

a Also occurred on Sept. 15, 16, 17, 18, 19, 20.

02483500 PEARL RIVER NEAR LENA, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.64	5.05	11.67	7.83	15.46	8.15	13.32	5.16	4.83	4.73	4.83	4.31
2	4.59	4.98	10.92	7.50	15.97	7.88	13.34	5.15	4.76	4.73	5.21	4.30
3	4.56	4.93	10.36	7.13	15.46	7.59	12.47	5.10	4.68	4.65	5.57	4.28
4	4.54	4.88	10.23	6.73	14.27	7.21	11.54	5.02	4.60	4.83	5.68	4.27
5	4.53	4.83	9.80	6.43	12.60	6.82	11.06	4.97	4.53	5.14	5.41	4.25
6	4.54	4.80	9.07	6.47	12.87	6.55	10.74	5.21	4.48	5.09	5.18	4.23
7	4.80	4.78	8.21	7.83	15.27	6.37	10.09	5.29	4.44	4.86	4.90	4.21
8	5.00	4.75	7.52	8.48	15.82	6.23	9.53	5.24	4.41	---	4.70	4.20
9	4.81	4.74	7.14	8.27	15.62	6.14	14.28	5.21	4.41	4.53	4.55	4.19
10	4.70	4.71	6.87	7.85	14.81	6.11	16.51	5.10	4.41	4.44	4.46	4.19
11	4.67	4.69	6.58	7.52	14.26	6.23	16.98	5.00	4.48	4.46	4.40	4.18
12	4.76	4.67	6.32	7.21	14.02	8.59	17.22	4.88	4.56	4.77	4.36	4.17
13	6.35	4.66	7.72	6.92	13.59	12.84	15.59	4.82	4.47	4.85	4.34	4.15
14	12.68	4.64	13.08	6.68	12.60	13.30	13.64	4.73	4.43	4.98	4.32	4.14
15	14.80	4.64	15.33	6.48	11.09	12.81	12.74	4.68	4.41	4.95	4.31	4.14
16	15.59	4.62	16.32	6.28	9.85	12.02	11.59	4.64	4.40	4.80	4.32	4.14
17	15.47	4.62	17.40	6.09	9.03	12.55	10.12	4.64	4.39	4.87	4.47	4.13
18	12.54	4.61	18.33	5.97	8.43	12.53	9.17	4.64	4.37	---	4.50	4.14
19	10.74	4.61	17.64	6.68	7.91	12.14	8.58	4.72	4.34	4.61	4.51	4.13
20	10.43	4.60	16.25	11.16	10.17	12.48	8.07	5.05	4.32	---	4.47	4.15
21	9.63	4.60	15.04	12.93	13.13	15.14	7.60	5.18	4.30	4.50	4.41	4.19
22	8.34	4.61	14.06	13.84	13.04	17.14	7.10	5.12	4.28	4.59	4.43	4.59
23	7.50	4.62	13.23	13.92	12.26	17.48	6.59	4.85	4.27	4.79	4.52	5.06
24	7.06	4.92	13.72	12.48	10.82	16.81	6.21	4.68	4.28	4.98	4.44	5.18
25	6.63	5.52	13.45	14.80	9.95	15.11	5.90	4.60	4.28	4.92	4.44	5.06
26	6.20	5.88	12.46	16.65	9.18	14.12	5.67	4.54	4.28	4.76	4.44	9.04
27	5.81	6.13	11.28	16.83	8.72	13.28	5.50	4.50	4.32	4.72	4.48	16.21
28	5.57	---	10.50	16.93	8.42	12.17	5.39	4.49	4.36	4.92	4.42	18.86
29	5.42	7.71	9.69	16.06	---	10.80	5.29	4.54	4.41	4.80	4.38	19.94
30	5.27	10.86	8.86	15.45	---	9.75	5.22	4.84	4.50	4.69	4.34	19.53
31	5.15	---	8.25	15.18	---	10.23	---	4.81	---	4.68	4.32	---
MEAN	7.33	---	11.53	10.02	12.31	10.86	10.23	4.88	4.43	---	4.62	6.39
MAX	15.59	---	18.33	16.93	15.97	17.48	17.22	5.29	4.83	---	5.68	19.94
MIN	4.53	---	6.32	5.97	7.91	6.11	5.22	4.49	4.27	---	4.31	4.13
MED	5.57	---	10.92	7.83	12.73	12.02	10.11	4.85	4.41	---	4.46	4.22

02484000 YOCKANOOKANY RIVER NEAR KOSCIUSKO, MS

LOCATION.--Lat 33°01′55", long 89°34′40", in NE1/4 NE1/4 sec.33, T.14 N., R.7 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, on left bank at downstream side of bridge on State Highway 35, 2.0 mi south of Kosciusko.

DRAINAGE AREA.--303 mi^2.

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1947, published as Yokahockany River near Kosciusko.

REVISED RECORDS.--WSP 1504: 1946. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is above 374.34 ft above NGVD of 1929, (levels by U. S. Army Corps of Engineers). Prior to Mar. 28, 1939, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: May 10-14, Jun. 1-3, and Jul. 25-30. Records good except for estimated daily discharges, which are poor. Telemeter and satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1932 reached a stage of about 17 ft, from information by U. S. Army Corps of Engineers.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 30	2100	3,300	13.38	Mar. 17	0700	3,820	13.71
Dec. 16	0800	6,030	15.01	Mar. 21	2200	3,130	13.19
Jan. 27	0900	4,020	13.85	Sep. 27	1400	*6,070	*15.02

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	44	2860	150	1050	148	2550	127	e70	47	321	14
2	13	43	2020	138	1290	143	2580	79	e54	30	129	13
3	12	42	816	130	753	142	2410	60	e38	23	52	13
4	12	40	272	121	390	133	1230	77	34	25	32	12
5	12	37	177	117	288	121	357	99	30	25	23	12
6	45	36	138	250	1230	115	237	78	27	34	19	11
7	112	36	120	492	2680	112	199	64	24	26	17	11
8	50	36	130	428	2560	117	540	53	22	20	16	9.8
9	30	34	233	293	2340	186	2040	45	22	17	16	9.4
10	22	33	218	230	1490	349	2380	e41	21	15	14	8.8
11	28	32	181	199	507	254	2310	e38	31	38	13	8.4
12	142	32	156	176	317	1120	1750	e34	58	73	13	8.1
13	578	32	1010	154	252	2160	578	e32	38	79	12	7.7
14	1380	32	3910	139	215	2000	295	e30	34	44	12	8.0
15	1950	32	5140	129	192	1350	214	30	35	31	17	8.4
16	2520	32	5810	118	179	1780	179	28	29	24	33	8.4
17	2260	31	4200	111	168	3640	152	98	23	22	41	8.4
18	686	32	2700	144	153	3620	131	612	22	19	34	8.5
19	197	31	1770	640	143	3180	120	395	20	17	24	9.2
20	120	31	780	1400	679	2090	105	135	18	16	19	9.8
21	102	30	346	1590	1160	2580	94	77	17	52	20	14
22	80	30	252	1060	754	2850	84	58	16	52	33	202
23	67	31	845	455	332	2690	82	48	16	29	24	142
24	60	99	1530	618	233	2060	78	42	26	70	18	42
25	69	288	1550	2330	198	737	71	40	22	e85	23	83
26	126	222	808	3310	191	608	66	35	21	e58	38	1620
27	102	189	362	3880	192	667	64	32	21	e43	34	5380
28	74	295	268	2860	166	447	71	33	87	e34	24	4410
29	58	1200	224	1320	---	304	74	56	173	e25	20	3150
30	52	2710	191	432	---	320	158	67	82	e21	17	1520
31	46	---	166	337	---	1330	---	84	---	47	16	---
TOTAL	11019	5792	39183	23751	20102	37353	21199	2727	1131	1141	1124	16761.9
MEAN	355.5	193.1	1264	766.2	717.9	1205	706.6	87.97	37.70	36.81	36.26	558.7
MAX	2520	2710	5810	3880	2680	3640	2580	612	173	85	321	5380
MIN	12	30	120	111	143	112	64	28	16	15	12	7.7
CFSM	1.17	0.64	4.17	2.53	2.37	3.98	2.33	0.29	0.12	0.12	0.12	1.84
IN.	1.35	0.71	4.81	2.92	2.47	4.59	2.60	0.33	0.14	0.14	0.14	2.06

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1938 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	85.97	251.3	576.6	843.8	962.8	956.7	794.3	413.2	165.5	165.4	70.38	77.91
MAX	748	1694	3640	3010	2318	3132	3818	2756	1322	1241	492	687
(WY)	1976	1980	1983	1974	1951	1980	1979	1991	1997	1989	1975	1979
MIN	5.28	15.3	43.5	49.4	61.8	177	50.4	20.6	11.5	10.7	3.95	4.56
(WY)	1944	1954	1944	1956	2000	1966	1967	1963	1988	2000	1943	1954

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1938 - 2002	
ANNUAL TOTAL	210599.7		181283.9			
ANNUAL MEAN	577.0		496.7		444.6	
HIGHEST ANNUAL MEAN					1217	1983
LOWEST ANNUAL MEAN					90.6	1963
HIGHEST DAILY MEAN	8550	Apr 5	5810	Dec 16	34300	Apr 13 1979
LOWEST DAILY MEAN	4.4	Jun 28	7.7	Sep 13	2.0	Oct 31 2000
ANNUAL SEVEN-DAY MINIMUM	8.5	Jun 22	8.2	Sep 11	2.2	Oct 28 2000
MAXIMUM PEAK FLOW			6070	Sep 27	40700	Apr 13 1979
MAXIMUM PEAK STAGE			15.02	Sep 27	23.06	Apr 13 1979
INSTANTANEOUS LOW FLOW			7.6	Sep 13,14	2.0	Oct 29 2000
ANNUAL RUNOFF (CFSM)	1.90		1.64		1.47	
ANNUAL RUNOFF (INCHES)	25.86		22.26		19.93	
10 PERCENT EXCEEDS	2030		1970		1230	
50 PERCENT EXCEEDS	137		84		91	
90 PERCENT EXCEEDS	16		16		14	

e Estimated

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS

LOCATION.--Lat 32°42'21", long 89°40'19", in NE1/4 NW1/4 sec.22, T.10 N., R.6 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, near center of main span on downstream side of bridge on State Highway 16, 1.5 mi east of Ofahoma, 3.5 mi upstream from mouth, and 8.5 mi southwest of Carthage.

DRAINAGE AREA.--469 mi^2.

PERIOD OF RECORD.--October 1943 to current year. Daily mean gage heights published since October 1971. Prior to October 1947 published as Yokahockany River near Ofahoma.

REVISED RECORDS.--WSP 1204: 1948. WSP 1504: 1949. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 306.15 ft above NGVD of 1929 (levels by U. S. Army Corps of Engineers). Prior to June 10, 1988, at datum 5.00 ft. higher. Prior to Sept. 5, 1962, nonrecording gage at same site.

REMARKS.--Estimated daily discharges: May 9-15, Jun. 7-10, 12, 13, 16-29, Jul. 7-11, 19-31, Aug. 1-15 and Sep. 29-30. Records fair except for estimated daily discharges, which are poor. Satellite telemeter and National Weather Service telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,700 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 18	2115	6,090	21.15	Mar. 21	2200	4,410	20.01
Jan. 30	0415	3,240	18.42	Sep. 30	----	*8,080	*[a]21.93

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	64	1100	308	1820	280	1220	108	80	138	e110	26
2	26	59	1200	251	1360	250	1090	158	71	93	e330	23
3	27	56	1670	218	1060	225	1420	147	63	60	e260	22
4	28	52	2030	198	1050	210	1880	115	54	75	e140	21
5	29	50	1840	185	1080	202	2000	104	46	82	e98	20
6	30	47	1330	199	1310	188	1820	126	40	45	e65	19
7	31	45	715	255	1660	176	1330	129	e35	e37	e48	19
8	37	43	343	340	1480	168	851	110	e32	e32	e42	18
9	88	42	229	398	1730	168	1540	e100	e28	e28	e36	17
10	70	40	204	450	2130	182	1450	e92	e26	e25	e30	17
11	53	39	241	447	2160	249	1510	e84	37	e22	e26	17
12	54	38	250	370	1950	881	1970	e76	e31	54	e22	16
13	119	37	279	290	1490	1260	2190	e68	e25	76	e20	15
14	458	36	880	241	922	1040	2090	e60	44	139	e19	15
15	504	36	1050	207	567	1280	1670	e52	43	125	e18	15
16	596	35	1580	185	406	1610	1050	48	e35	74	45	14
17	771	35	3350	170	324	1690	567	48	e33	56	45	14
18	968	35	5670	157	282	1590	363	61	e31	46	46	14
19	1300	35	5380	201	256	2160	270	171	e29	e39	52	14
20	1540	36	3680	547	582	2990	221	319	e27	e34	44	14
21	1260	36	2560	596	652	4070	190	384	e26	e29	37	16
22	564	36	1810	755	612	4030	167	290	e25	e46	32	36
23	223	35	1280	1050	737	3210	149	143	e24	e42	31	196
24	149	44	1090	1310	876	2700	135	93	e23	e62	32	267
25	115	49	885	2350	802	2470	124	73	e30	e50	35	224
26	96	66	878	2290	550	2250	116	62	e23	e64	30	799
27	89	185	1080	1830	376	1860	108	54	e22	e120	28	2480
28	113	250	1190	2180	307	1280	99	50	e21	e150	35	3550
29	106	486	1000	2880	---	896	95	51	e22	e70	38	e4800
30	86	1200	638	3140	---	748	99	51	72	e55	33	e5400
31	73	---	413	2500	---	877	---	63	---	e28	28	---
TOTAL	9629	3247	45845	26498	28531	41190	27784	3490	1098	1996	1855	18118
MEAN	310.6	108.2	1479	854.8	1019	1329	926.1	112.6	36.60	64.39	59.84	603.9
MAX	1540	1200	5670	3140	2160	4070	2190	384	80	150	330	5400
MIN	26	35	204	157	256	168	95	48	21	22	18	14
CFSM	0.66	0.23	3.15	1.82	2.17	2.83	1.97	0.24	0.08	0.14	0.13	1.29
IN.	0.76	0.26	3.64	2.10	2.26	3.27	2.20	0.28	0.09	0.16	0.15	1.44

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	121.8	315.5	818.6	1285	1454	1443	1318	701.6	236.0	195.5	116.0	101.5
MAX	1073	2132	5617	5142	3433	4278	6209	3690	1234	1461	719	1100
(WY)	1976	1980	1983	1974	1946	1980	1979	1983	1997	1989	1975	1979
MIN	10.6	17.5	50.0	62.8	113	309	108	45.6	18.4	18.6	9.20	7.46
(WY)	1956	1954	1944	1956	2000	2000	1963	1963	1988	2000	1954	1954

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1944 - 2002	
ANNUAL TOTAL	289038		209281			
ANNUAL MEAN	791.9		573.4		671.8	
HIGHEST ANNUAL MEAN					1868	1983
LOWEST ANNUAL MEAN					131	1963
HIGHEST DAILY MEAN	10500	Apr 6	5670	Dec 18	40900	Apr 15 1979
LOWEST DAILY MEAN	24	Aug 29	14	Sep 16	5.3	Aug 20 1954
ANNUAL SEVEN-DAY MINIMUM	27	Sep 29	14	Sep 14	6.3	Sep 7 1954
MAXIMUM PEAK FLOW			8080	Sep 30	46500	Apr 14 1979
MAXIMUM PEAK STAGE			21.93a	Sep 30	28.27	Apr 14 1979
INSTANTANEOUS LOW FLOW			14	Sep 16b	4.9	Aug 20 1954
ANNUAL RUNOFF (CFSM)	1.69		1.22		1.43	
ANNUAL RUNOFF (INCHES)	22.93		16.60		19.46	
10 PERCENT EXCEEDS	2520		1820		1800	
50 PERCENT EXCEEDS	250		126		171	
90 PERCENT EXCEEDS	36		26		26	

e Estimated
a From flood mark.
b Also occurrd on Sept. 17, 18, 19, 20, 21.

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.19	5.93	12.52	8.38	15.03	8.01	12.97	6.48	6.05	6.70	---	4.95
2	5.16	5.85	12.89	7.94	13.51	7.77	12.46	7.04	5.91	6.14	---	4.90
3	5.15	5.79	14.57	7.66	12.32	7.56	13.71	6.92	5.78	5.67	---	4.86
4	5.14	5.74	15.67	7.48	12.31	7.43	15.22	6.56	5.63	5.87	---	4.83
5	5.14	5.70	15.11	7.36	12.44	7.35	15.58	6.44	5.49	5.99	---	4.81
6	5.14	5.65	13.37	7.49	13.30	7.23	15.05	6.68	5.39	5.41	---	4.78
7	5.13	5.61	10.75	7.96	14.54	7.11	13.38	6.72	---	---	---	4.77
8	5.22	5.58	8.62	8.61	13.94	7.03	11.42	6.50	---	---	---	4.76
9	6.02	5.55	7.75	9.01	14.78	7.03	14.13	---	---	---	---	4.74
10	5.76	5.52	7.53	9.34	15.94	7.17	13.83	---	---	---	---	4.73
11	5.49	5.50	7.86	9.32	16.03	7.76	14.03	---	5.31	---	---	4.72
12	5.50	5.48	7.93	8.82	15.43	11.29	15.50	---	---	5.54	---	4.70
13	6.21	5.45	8.14	8.24	13.95	13.13	16.10	---	---	5.91	---	4.69
14	9.12	5.43	11.54	7.85	11.70	12.26	15.82	---	5.43	6.66	---	4.68
15	9.41	5.43	12.31	7.56	9.86	13.20	14.56	---	5.42	6.51	---	4.68
16	9.92	5.42	14.21	7.36	8.90	14.36	12.26	5.58	---	5.86	5.35	4.66
17	10.93	5.41	18.40	7.21	8.34	14.64	9.99	5.57	---	5.57	5.35	4.65
18	11.93	5.41	20.91	7.08	8.02	14.32	8.75	5.78	---	5.40	5.36	4.66
19	13.27	5.42	20.72	7.47	7.82	15.99	8.07	7.06	---	---	5.47	4.65
20	14.15	5.43	19.07	9.90	9.89	17.94	7.67	8.36	---	---	5.34	4.64
21	13.11	5.43	17.00	10.18	10.34	19.61	7.38	8.81	---	---	5.19	4.69
22	9.93	5.43	15.00	10.98	10.11	19.58	7.15	8.13	---	---	5.10	5.17
23	7.69	5.42	13.22	12.31	10.80	18.35	6.97	6.82	---	---	5.07	7.19
24	6.99	5.58	12.47	13.32	11.52	17.34	6.82	6.23	---	---	5.09	7.84
25	6.62	5.67	11.59	16.48	11.14	16.80	6.70	5.96	---	---	5.16	7.48
26	6.39	5.93	11.56	16.35	9.76	16.26	6.60	5.78	---	---	5.06	10.70
27	6.29	7.34	12.41	15.08	8.70	15.15	6.49	5.66	---	---	5.01	16.74
28	6.60	7.93	12.86	16.05	8.21	13.20	6.39	5.58	---	---	5.16	18.91
29	6.51	9.29	12.08	17.71	---	11.64	6.33	5.59	---	---	5.22	---
30	6.26	12.88	10.39	18.24	---	10.96	6.38	5.59	5.81	---	5.12	---
31	6.06	---	9.10	16.86	---	11.51	---	5.79	---	---	5.01	---
MEAN	7.47	6.07	12.82	10.50	11.74	12.23	10.92	---	---	---	---	---
MAX	14.15	12.88	20.91	18.24	16.03	19.61	16.10	---	---	---	---	---
MIN	5.13	5.41	7.53	7.08	7.82	7.03	6.33	---	---	---	---	---

02484650 PEARL RIVER AT RATLIFF'S FERRY NEAR RATLIFF, MS

LOCATION.--Lat 32°35'39", long 89°50'25", in SW1/4 NE1/4 sec.25, T.9 N., R.4 E., Choctaw Meridian, Madison County, Hydrologic Unit 03180002, near right bank, 28.5 miles upstream of the Ross Barnett Dam.

DRAINAGE AREA.--2,638 mi^2.

PERIOD OF RECORD.--May 1998 to September 2001, flood hydrograph. October 2001 to current, stage only.

GAGE.--Water-stage recorder. Datum of gage is NGVD of 1929 (U.S. Geological Survey benchmark).

REMARKS.--Records good. Regulation by the Ross Barnett Resevoir.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 14, 1979, gage height, 313.1 ft (from floodmark).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 299.97 ft, Sept. 30, minimum daily, 295.72 ft, March 1.

GAGE-HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	297.08	296.67	296.33	295.79	297.54	295.72	296.78	297.44	297.19	296.95	297.39	296.88
2	297.08	296.67	296.17	295.82	297.65	295.77	297.06	297.38	297.19	297.04	297.27	296.86
3	297.08	296.67	295.98	295.89	297.60	295.83	296.76	297.31	297.20	297.04	297.10	296.86
4	297.07	296.64	295.92	295.96	297.23	295.88	296.53	297.30	297.19	297.11	297.04	296.84
5	297.09	296.66	295.90	295.98	296.70	295.91	296.34	297.19	297.17	297.11	296.93	296.81
6	297.11	296.67	295.87	296.04	296.66	295.90	296.26	297.25	297.14	297.14	296.92	296.78
7	297.14	296.67	295.83	296.03	297.26	295.91	296.26	297.27	297.10	297.15	296.93	296.76
8	297.16	296.66	295.81	296.11	297.67	295.91	296.28	297.30	297.08	297.16	296.93	296.72
9	297.15	296.62	295.74	296.10	297.59	295.89	296.80	297.30	297.09	297.15	296.94	296.69
10	297.17	296.59	295.75	296.03	297.46	295.79	297.70	297.24	297.09	297.14	296.91	296.69
11	297.23	296.57	295.80	295.95	297.26	295.86	297.97	297.29	297.06	297.12	296.89	296.66
12	297.21	296.52	295.88	295.93	297.12	296.08	297.92	297.31	297.07	297.11	296.89	296.63
13	297.24	296.49	295.97	295.93	296.98	296.63	297.88	297.31	297.06	297.20	296.90	296.60
14	297.59	296.45	296.44	295.92	296.77	296.96	297.34	297.25	297.00	297.26	296.91	296.57
15	297.97	296.42	297.21	295.87	296.47	296.84	296.98	297.25	296.98	297.35	296.87	296.58
16	298.10	296.39	297.49	295.86	296.21	296.70	296.84	297.24	296.97	297.36	296.89	296.57
17	298.09	296.36	297.75	295.84	296.04	296.86	296.72	297.30	296.93	297.31	297.01	296.55
18	297.91	296.34	298.28	295.82	295.94	296.90	296.76	297.24	296.91	297.29	297.07	296.55
19	297.47	296.31	298.69	295.96	295.94	296.65	296.83	297.19	296.92	297.30	297.08	296.53
20	297.33	296.24	298.30	296.31	296.20	296.59	296.92	297.22	296.90	297.29	297.06	296.53
21	297.25	296.24	297.65	296.73	296.62	297.14	297.05	297.22	296.86	297.27	297.04	296.49
22	297.12	296.21	297.21	296.85	296.89	297.97	297.07	297.23	296.85	297.30	297.07	296.51
23	296.99	296.19	296.97	296.93	296.69	298.46	297.14	297.25	296.83	297.29	297.06	296.49
24	296.94	296.27	297.02	296.83	296.39	298.27	297.22	297.26	296.83	297.32	297.06	296.48
25	296.80	296.15	297.06	297.22	296.19	297.79	297.17	297.25	296.91	297.34	297.02	296.48
26	296.79	296.09	296.82	298.02	295.96	297.28	297.17	297.25	296.91	297.30	297.01	296.69
27	296.74	296.09	296.53	298.15	295.83	296.95	297.26	297.22	296.92	297.30	296.99	297.84
28	296.67	295.97	296.29	297.98	295.75	296.77	297.32	297.21	296.95	297.29	296.97	299.13
29	296.67	296.18	296.11	297.96	---	296.55	297.30	297.29	296.94	297.30	296.94	299.78
30	296.68	296.21	295.93	297.69	---	296.28	297.35	297.28	296.94	297.33	296.92	299.94
31	296.68	---	295.85	297.56	---	296.35	---	297.19	---	297.27	296.89	---
MEAN	297.18	296.41	296.60	296.49	296.74	296.59	297.03	297.27	297.01	297.22	297.00	296.98
MAX	298.10	296.67	298.69	298.15	297.67	298.46	297.97	297.44	297.20	297.36	297.39	299.94
MIN	296.67	295.97	295.74	295.79	295.75	295.72	296.26	297.19	296.83	296.95	296.87	296.48
MED	297.12	296.41	296.29	296.03	296.69	296.59	297.05	297.25	296.98	297.27	296.97	296.68

02485700 HANGING MOSS CREEK AT JACKSON, MS

LOCATION.--Lat 32°21'53", long 90°08'41", in SW1/4 NE1/4 sec.13, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, on left bank of Hanging Moss Creek, 600 ft east of Old Canton Road, at Parham Bridges Park, 0.7 mi upstream from Whiteoak Creek, and 1.4 mi upstream from the mouth.

DRAINAGE AREA.--16.8 mi^2.

PERIOD OF RECORD.--October 1952 to September 1980 (annual maximums only). October 1980 to current year. Daily mean gage heights published since October 1980.

REVISED RECORDS.--WDR MS-85-1: 1984, WDR MS-90-1: 1983.

GAGE.--Water-stage recorder. Datum of gage is 260.00 ft above NGVD of 1929. Prior to May 31, 1961, at datum 72.23 ft lower. From June 1, 1961 to July 10, 1980, at datum 1.33 ft higher. Prior to July 11, 1980, site located 0.6 mi upstream at downstream side of bridge on frontage road, 100 ft downstream from U. S. Highway 51 (Interstate 55).

REMARKS.--No estimated daily discharges. Occasional backwater from the Pearl River. Records fair. Statistics shown below are for water years 1981 to curent year, except for instantaneous extremes, which are shown for the entire period of record at the present datum. Telemeter and satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 1,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Jul. 30	2000	*3,740	*18.11	Sep. 26	1000	2,060	15.07

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0.11	0.37	11	1.7	97	4.2	35	1.4	1.2	0.93	34	0.30
2	0.08	0.38	4.8	1.6	18	5.9	11	1.3	0.70	26	3.7	0.27
3	0.06	0.35	2.5	1.6	7.0	5.2	4.7	1.0	0.58	1.7	1.4	0.26
4	0.06	0.35	1.8	1.8	6.0	3.7	2.9	7.4	0.53	0.82	0.63	0.23
5	23	0.46	1.5	34	24	3.0	2.1	1.8	0.42	0.52	5.9	0.25
6	27	0.44	1.9	157	250	2.7	1.9	0.94	0.33	0.42	2.0	0.25
7	1.4	0.37	2.4	63	45	2.9	1.9	0.85	0.33	0.37	0.43	0.36
8	0.64	0.42	3.5	19	19	2.9	459	0.75	35	0.36	0.32	0.32
9	0.38	0.65	4.1	8.2	11	11	88	0.91	17	0.37	0.26	0.29
10	0.28	0.63	3.8	5.3	14	4.6	19	0.69	9.8	12	0.21	0.23
11	22	0.57	4.2	3.5	8.4	5.7	6.3	0.61	1.5	23	0.13	0.18
12	12	0.46	4.1	4.0	5.4	276	3.6	0.48	0.71	5.7	1.1	0.17
13	210	0.37	395	3.5	3.8	37	2.5	1.3	0.55	23.0	25	0.20
14	60	0.81	137	3.0	3.5	13	2.0	1.3	0.46	15	8.7	0.17
15	5.1	1.2	22	3.2	3.6	5.8	1.9	1.2	0.38	64	36	0.15
16	1.7	0.93	7.8	4.6	3.2	79	1.6	1.5	3.1	41	132	0.16
17	1.1	0.83	124	2.4	3.0	21	1.3	13	1.7	37	55	0.98
18	0.69	0.87	27	10	2.8	6.3	1.0	3.3	0.68	9.0	2.2	0.33
19	0.52	1.2	8.4	150	42	3.5	0.82	1.1	21	4.5	0.84	0.21
20	0.40	1.4	3.9	37	293	241	0.76	0.77	6.8	3.0	0.44	0.60
21	0.34	2.1	2.8	41	28	197	0.67	0.75	0.96	4.4	2.9	2.1
22	0.30	2.9	2.0	16	12	24	0.69	0.76	0.67	26	2.3	59
23	0.28	3.7	103	25	6.5	7.7	0.76	0.57	0.59	17	0.58	1.8
24	0.53	48	19	471	5.1	4.4	0.70	0.57	0.51	23	0.37	0.44
25	0.94	11	5.5	137	4.3	3.4	0.62	0.56	1.5	12	0.37	173
26	0.70	2.1	4.0	28	4.1	5.9	0.74	7.7	0.97	17	0.52	820
27	0.53	193	3.1	14	3.5	4.9	0.66	3.3	38	7.1	0.50	39
28	0.42	151	2.5	8.7	2.9	3.7	0.63	1.2	28	4.4	0.40	3.6
29	0.38	659	2.0	6.2	---	3.3	0.85	44	6.2	2.4	0.39	1.4
30	0.40	44	2.5	5.5	---	4.5	1.2	15	1.7	514	0.39	0.82
31	0.36	---	1.9	33	---	233	---	2.2	---	105	0.39	---
TOTAL	371.70	1129.86	919.0	1299.8	926.1	1226.2	654.80	118.21	181.87	1000.99	319.37	1107.07
MEAN	11.99	37.66	29.65	41.93	33.08	39.55	21.83	3.813	6.062	32.29	10.30	36.90
MAX	210	659	395	471	293	276	459	44	38	514	132	820
MIN	0.06	0.35	1.5	1.6	2.8	2.7	0.62	0.48	0.33	0.36	0.13	0.15
CFSM	0.71	2.24	1.76	2.50	1.97	2.35	1.30	0.23	0.36	1.92	0.61	2.20
IN.	0.82	2.50	2.03	2.88	2.05	2.72	1.45	0.26	0.40	2.22	0.71	2.45

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1981 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	9.513	23.27	31.62	44.99	42.73	39.30	38.74	14.64	11.09	11.31	8.565	6.117
MAX	57.3	95.6	201	146	142	95.4	159	49.5	39.8	35.9	31.1	36.9
(WY)	1986	1990	1983	1994	1994	2001	1983	1990	1997	1989	1982	2002
MIN	0.11	2.01	1.59	1.47	1.68	14.6	1.13	1.17	1.55	0.28	0.98	0.59
(WY)	1999	1999	1981	1981	2000	1992	1992	1982	1995	2000	1991	1993

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1981 - 2002	
ANNUAL TOTAL	8783.95		9254.97			
ANNUAL MEAN	24.07		25.36		23.38	
HIGHEST ANNUAL MEAN					57.5	1983
LOWEST ANNUAL MEAN					9.59	2000
HIGHEST DAILY MEAN	960	Jan 19	820	Sep 26	1780	Dec 4 1982
LOWEST DAILY MEAN	0.05	Jul 20	0.06	Oct 3	0.01	Sep 19 1988
ANNUAL SEVEN-DAY MINIMUM	0.14	Sep 28	0.18	Sep 10	0.04	Sep 2 1998
MAXIMUM PEAK FLOW			3740	Jul 30	5320	Apr 29 1953
MAXIMUM PEAK STAGE			18.11	Jul 30	27.37	Apr 29 1953
INSTANTANEOUS LOW FLOW			0.05	Oct 3,4	0.01	Nov 16 1987
ANNUAL RUNOFF (CFSM)	1.43		1.51		1.39	
ANNUAL RUNOFF (INCHES)	19.45		20.49		18.91	
10 PERCENT EXCEEDS	33		43		36	
50 PERCENT EXCEEDS	2.5		2.5		2.0	
90 PERCENT EXCEEDS	0.35		0.37		0.29	

02485700 HANGING MOSS CREEK AT JACKSON, MS

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.54	7.69	8.56	8.05	9.38	8.25	8.94	7.98	7.93	7.86	8.91	7.80
2	7.50	7.70	8.32	8.02	8.71	8.38	8.53	7.96	7.82	8.67	8.24	7.78
3	7.46	7.68	8.14	8.02	8.44	8.34	8.31	7.91	7.78	8.00	7.99	7.78
4	7.47	7.68	8.06	8.06	8.39	8.25	8.17	8.34	7.75	7.83	7.83	7.76
5	7.93	7.74	8.02	8.47	8.61	8.18	8.09	8.04	7.71	7.74	8.04	7.78
6	8.67	7.73	8.07	9.75	10.23	8.15	8.06	7.89	7.66	7.70	8.06	7.78
7	7.99	7.70	8.14	9.19	9.05	8.17	8.05	7.87	7.66	7.67	7.77	7.83
8	7.82	7.71	8.24	8.74	8.75	8.17	10.37	7.84	8.32	7.67	7.72	7.83
9	7.72	7.80	8.29	8.49	8.58	8.45	9.33	7.88	8.60	7.67	7.68	7.82
10	7.66	7.80	8.28	8.37	8.63	8.28	8.75	7.83	8.43	8.22	7.66	7.78
11	8.20	7.78	8.30	8.24	8.49	8.24	8.41	7.80	7.97	8.74	7.59	7.76
12	8.50	7.73	8.30	8.29	8.37	10.27	8.25	7.75	7.81	8.34	7.82	7.75
13	9.65	7.69	10.80	8.25	8.26	8.96	8.15	7.93	7.76	8.74	8.40	7.78
14	9.10	7.82	9.59	8.20	8.23	8.60	8.09	7.96	7.72	8.46	8.50	7.76
15	8.30	7.94	8.80	8.22	8.23	8.37	8.07	7.96	7.68	9.17	8.73	7.75
16	8.03	7.88	8.47	8.27	8.20	9.17	8.02	8.00	7.95	8.90	9.24	7.76
17	7.92	7.86	9.46	8.14	8.18	8.75	7.99	8.28	7.99	8.92	9.07	7.92
18	7.82	7.87	8.86	8.51	8.16	8.39	7.93	8.14	7.79	8.47	8.17	7.87
19	7.76	7.93	8.49	9.61	8.40	8.23	7.87	7.93	8.10	8.28	7.95	7.80
20	7.71	7.98	8.27	8.98	10.21	9.42	7.86	7.84	8.25	8.16	7.82	7.99
21	7.68	8.08	8.18	9.02	8.87	9.83	7.83	7.84	7.87	8.15	7.95	8.20
22	7.65	8.17	8.10	8.70	8.58	8.80	7.83	7.84	7.79	8.57	8.16	8.85
23	7.65	8.24	9.43	8.86	8.41	8.45	7.86	7.78	7.76	8.62	7.89	8.20
24	7.73	8.92	8.73	10.40	8.34	8.30	7.84	7.78	7.73	8.73	7.80	7.92
25	7.87	8.50	8.38	9.59	8.29	8.22	7.81	7.77	7.96	8.51	7.81	9.85
26	7.82	8.08	8.29	8.88	8.27	8.36	7.85	8.12	7.87	8.61	7.88	11.85
27	7.76	9.67	8.21	8.65	8.23	8.32	7.83	8.17	8.55	8.41	7.87	9.02
28	7.72	9.70	8.15	8.51	8.17	8.24	7.82	7.90	8.75	8.27	7.84	8.42
29	7.70	11.42	8.10	8.42	---	8.20	7.87	8.63	8.32	8.09	7.83	8.17
30	7.71	9.02	8.15	8.39	---	8.23	7.95	8.57	8.00	9.76	7.84	8.05
31	7.69	---	8.08	8.61	---	10.0	---	8.09	---	9.35	7.84	---
MEAN	7.93	8.18	8.49	8.64	8.60	8.58	8.19	7.99	7.98	8.40	8.06	8.15
MAX	9.65	11.42	10.80	10.40	10.23	10.27	10.37	8.63	8.75	9.76	9.24	11.85
MIN	7.46	7.68	8.02	8.02	8.16	8.15	7.81	7.75	7.66	7.67	7.59	7.75

02486000 PEARL RIVER AT JACKSON, MS

LOCATION.--Lat 32°16'53", long 90°10'44", in NW1/4 NE1/4 NE1/4 sec.15, T.5 N., R.1 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, on left bank at downstream side of bridge on U.S. Highway 80 at eastern city limits of Jackson, 0.4 mi downstream from Illinois Central and Gulf Railroad bridge, 0.4 mi downstream from Town Creek, 4.2 mi upstream from Richland Creek, and at mile 287.0.

DRAINAGE AREA.--3,171 mi^2.

PERIOD OF RECORD.--June 1901 to December 1912 (prior to October 1901 and for 1913 water year, gage heights only), August 1928 to current year. Daily mean gage heights published since October 1971. Gage-height records collected at Woodrow Wilson Bridge, 0.6 mi upstream, 1904 to 1971 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 662: Drainage area. WSP 1504: 1903, 1909. WSP 1906: 1902(M). WDR MS-87-1: 1984.

GAGE.--Water-stage recorder. Datum of gage is 233.70 ft above NGVD of 1929. Prior to Dec. 31, 1913, and Aug. 15, 1928 to Sept. 14, 1934, nonrecording gage. Prior to Oct. 1, 1975, at site at Woodrow Wilson Bridge, 0.6 mi upstream, at datum 1.20 ft higher. Since Oct. 1, 1962, supplementary water-stage recorder and concrete control at Jackson waterworks pumping plant, 3.8 mi upstream (channel change). Datum of supplementary gage is 239.40 ft above sea level.

REMARKS.--No estimated daily discharges. Records good. About 48 ft^3/s is diverted upstream from station for municipal water supply for City of Jackson, most of which was returned to river and included in discharge records prior to the opening of the City of Jackson Waste Water Treatment Plant at Savannah Street Extension in 1975. Flow regulated since Sept. 27, 1961, by Ross R. Barnett Reservoir, 15 mi upstream. Statistics shown below are for water years 1962 to current year except instantaneous extremes, which are shown for the entire period of record. Satellite telemeter and National Weather Service telemeter at station.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	282	849	11300	2580	11000	2600	9200	616	427	248	5380	198
2	276	395	8870	1910	11600	1930	9250	487	327	358	8200	197
3	270	372	6780	1070	11000	1030	8910	846	302	264	6670	192
4	266	366	5370	697	10700	1700	7810	1220	292	309	3980	187
5	315	357	4290	1540	9850	1480	6660	1790	286	303	2690	190
6	819	346	3370	4110	10000	1300	5440	368	278	261	1370	191
7	450	346	2650	3450	10900	1420	4580	278	275	246	349	185
8	518	631	2080	3110	10700	1820	6560	264	296	244	276	191
9	273	728	2050	3450	10800	1910	12000	253	427	230	254	182
10	267	736	1730	3070	9760	1880	12400	247	393	520	236	173
11	359	727	635	2940	8690	1220	12900	234	296	356	224	170
12	1810	720	509	2450	8820	6200	12200	230	283	264	366	166
13	3700	723	6460	1920	7990	8180	11100	240	271	321	548	166
14	7830	722	11400	1820	7460	8200	10100	256	269	256	346	165
15	9540	716	12100	1800	6540	7960	8640	237	271	622	487	158
16	9980	720	13200	1760	5380	9080	6150	308	300	1510	959	170
17	8960	713	12900	1500	4390	9630	3340	478	299	2010	1860	170
18	7670	714	13100	1530	3510	9090	1510	500	269	847	397	182
19	6600	714	12900	3130	2930	8820	1730	402	309	285	296	163
20	5530	650	12400	5390	8420	8040	1060	351	482	237	284	169
21	4620	533	11900	8110	8590	11700	580	311	273	272	259	256
22	3990	680	10400	9300	7730	12900	496	257	255	1290	443	1420
23	3590	718	9490	8990	7850	12900	449	244	249	1540	324	505
24	3020	1330	9110	8750	7130	12900	413	232	263	1010	267	222
25	2030	2420	9040	11400	6010	12400	434	225	352	1450	240	2300
26	1120	1810	8580	12100	4950	11100	719	246	257	1070	242	11600
27	1590	3890	7250	13100	3950	9240	718	288	508	320	222	16500
28	1550	6000	6110	12600	3170	7430	422	232	604	256	219	15700
29	850	10200	5070	11500	---	6220	369	517	417	245	214	16800
30	520	13400	4120	11000	---	5240	447	3080	277	1130	201	17400
31	685	---	3250	10500	---	7050	---	2000	---	5290	202	---
TOTAL	89280	53226	228414	166577	219820	202570	156587	17237	9807	23564	38005	86268
MEAN	2880	1774	7368	5373	7851	6535	5220	556.0	326.9	760.1	1226	2876
MAX	9980	13400	13200	13100	11600	12900	12900	3080	604	5290	8200	17400
MIN	266	346	509	697	2930	1030	369	225	249	230	201	158
CFSM	0.91	0.56	2.32	1.69	2.48	2.06	1.65	0.18	0.10	0.24	0.39	0.91
IN.	1.05	0.62	2.68	1.95	2.58	2.38	1.84	0.20	0.12	0.28	0.45	1.01

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	997.5	1916	5633	8442	8816	9333	9111	4439	1441	1055	904.8	840.8
MAX	8174	6663	26640	28310	24940	23560	34330	22880	7278	6454	7996	6790
(WY)	1976	1980	1983	1974	1983	1980	1979	1983	1997	1989	1975	1979
MIN	94.7	85.3	271	338	321	1545	448	280	133	180	197	138
(WY)	1964	1964	1963	2000	2000	2000	1986	1992	1963	1984	1969	1963

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1962 - 2002	
ANNUAL TOTAL	1641254		1291355			
ANNUAL MEAN	4497		3538		4389	
HIGHEST ANNUAL MEAN					12000	1983
LOWEST ANNUAL MEAN					942	1963
HIGHEST DAILY MEAN	29800	Mar 4	17400	Sep 30	126000	Apr 17 1979
LOWEST DAILY MEAN	211	Jun 26	158	Sep 15	45	Sep 18 1963
ANNUAL SEVEN-DAY MINIMUM	243	Jun 20	166	Sep 11	63	Sep 17 1963
MAXIMUM PEAK FLOW			17400	Sep 30	128000	Apr 17 1979
MAXIMUM PEAK STAGE			27.21	Sep 30	43.28	Apr 17 1979
ANNUAL RUNOFF (CFSM)	1.42		1.12		1.38	
ANNUAL RUNOFF (INCHES)	19.25		15.15		18.81	
10 PERCENT EXCEEDS	12100		10800		12800	
50 PERCENT EXCEEDS	2050		1130		1220	
90 PERCENT EXCEEDS	289		239		254	

02486000 PEARL RIVER AT JACKSON, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.84	5.40	22.26	9.04	22.02	9.09	19.59	4.84	4.31	3.71	13.88	3.51
2	3.82	4.21	19.12	7.68	22.66	7.71	19.65	4.49	4.00	4.08	18.19	3.50
3	3.79	4.15	16.12	5.89	22.00	5.81	19.19	5.39	3.91	3.77	15.93	3.48
4	3.78	4.13	13.94	5.05	21.61	7.23	17.63	6.19	3.88	3.93	11.61	3.47
5	3.91	4.10	12.16	6.86	20.48	6.76	15.94	7.44	3.86	3.91	9.25	3.47
6	5.29	4.06	10.54	11.85	20.73	6.37	14.05	4.38	3.82	3.76	6.51	3.48
7	4.36	4.06	9.19	10.68	21.86	6.63	12.65	4.08	3.81	3.71	4.07	3.45
8	4.55	4.87	8.04	10.06	21.59	7.49	15.61	4.03	3.88	3.70	3.82	3.48
9	3.81	5.13	7.97	10.68	21.78	7.67	23.11	3.99	4.28	3.64	3.74	3.44
10	3.79	5.14	7.30	10.0	20.34	7.60	23.49	3.97	4.19	4.38	3.66	3.40
11	4.06	5.12	4.87	9.74	18.88	6.22	23.94	3.92	3.89	4.08	3.62	3.39
12	7.46	5.10	4.52	8.79	19.06	14.97	23.31	3.90	3.84	3.77	4.06	3.37
13	10.95	5.11	15.29	7.71	17.89	18.16	22.10	3.94	3.80	3.97	4.53	3.37
14	17.67	5.11	22.46	7.48	17.13	18.19	20.77	4.00	3.79	3.74	4.05	3.36
15	20.05	5.10	23.18	7.45	15.76	17.85	18.81	3.93	3.80	4.86	4.35	3.33
16	20.64	5.10	24.15	7.35	13.96	19.40	15.13	4.19	3.90	6.83	5.44	3.39
17	19.25	5.09	23.94	6.80	12.33	20.17	10.45	4.63	3.90	7.88	7.49	3.39
18	17.43	5.09	24.07	6.86	10.79	19.43	6.83	4.76	3.79	5.34	4.22	3.44
19	15.85	5.09	23.87	9.98	9.71	19.06	7.29	4.50	3.91	3.85	3.89	3.35
20	14.19	4.92	23.49	13.96	18.45	17.96	5.87	4.34	4.45	3.67	3.85	3.38
21	12.71	4.62	22.97	18.05	18.74	22.69	4.75	4.20	3.81	3.80	3.75	3.70
22	11.64	5.00	21.20	19.73	17.51	23.91	4.52	4.01	3.74	6.36	4.36	6.46
23	10.94	5.10	19.98	19.30	17.69	23.95	4.38	3.96	3.72	6.89	3.97	4.47
24	9.88	6.43	19.46	18.95	16.64	23.92	4.28	3.91	3.77	5.76	3.78	3.61
25	7.92	8.72	19.37	22.40	14.95	23.43	4.34	3.88	4.07	6.70	3.68	7.99
26	5.98	7.46	18.73	23.21	13.26	22.07	5.10	3.96	3.75	5.84	3.69	22.05
27	6.99	11.23	16.81	24.06	11.57	19.63	5.10	4.12	4.44	3.97	3.61	26.58
28	6.92	14.94	15.10	23.63	10.18	17.08	4.30	3.91	4.80	3.74	3.60	26.06
29	5.38	20.68	13.46	22.60	---	15.26	4.14	4.66	4.27	3.70	3.57	26.77
30	4.59	24.31	11.86	22.03	---	13.73	4.36	9.99	3.82	5.54	3.52	27.16
31	5.01	---	10.32	21.37	---	16.45	---	7.81	---	13.81	3.53	---
MEAN	8.92	6.82	16.31	13.20	17.48	15.03	12.69	4.69	3.97	4.93	5.72	7.44
MAX	20.64	24.31	24.15	24.06	22.66	23.95	23.94	9.99	4.80	13.81	18.19	27.16
MIN	3.78	4.06	4.52	5.05	9.71	5.81	4.14	3.88	3.72	3.64	3.52	3.33

02487500 STRONG RIVER AT D'LO, MS

LOCATION.--Lat 31°58'40", long 89°53'51", in NW1/4 SE1/4 SW1/4 sec.28, T.2 N., R.4 E., Choctaw Meridian, Simpson County, Hydrologic Unit 03180002, on left bank at downstream side of bridge on old U.S. Highway 49, 460 ft upstream from Illinois Central Railroad bridge, 0.2 mi south of D'Lo, 1,500 ft downstream from Sellers Creek, 1.6 mi upstream from Dabbs Creek, and 2 mi northwest of Mendenhall.

DRAINAGE AREA.--425 mi^2.

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

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

GAGE.--Water-stage recorder. Datum of gage is 257.99 ft above NGVD of 1929 (U. S. Army Corps of Engineers bench mark). Prior to Oct. 19, 1938, nonrecording gage at site 700 ft upstream at datum 5.0 ft higher.

REMARKS.--Estimated daily discharges: Nov. 7 and Sept. 17-20. Records good except for estimated daily discharges, which are poor. Statistics shown below are for water years 1929 to 1970 and 1994 through the current year, except instantaneous extremes which are shown for the entire period of record. Satellite telemeter and National Weather Service telemeter at station.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Apr. 10	0230	*5,610	*19.23	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	49	58	507	161	1260	203	1970	81	55	90	351	40
2	48	57	325	144	2060	280	1570	72	49	225	1770	38
3	47	56	184	134	1570	303	853	67	45	100	1440	38
4	47	55	127	125	743	241	394	63	41	81	741	37
5	45	55	98	122	469	195	276	61	39	95	255	36
6	50	53	82	290	1200	170	219	60	37	74	152	39
7	49	e52	75	511	2540	158	187	58	37	163	101	38
8	64	51	71	599	1970	151	972	56	80	95	77	54
9	86	51	67	494	1140	156	4920	55	131	64	79	46
10	65	49	64	347	611	223	4960	53	61	52	68	40
11	62	48	63	268	471	335	2840	50	49	90	59	37
12	85	50	63	235	386	761	1910	47	40	97	77	34
13	267	53	256	229	318	2150	728	46	36	378	66	33
14	1890	52	3340	206	274	1760	493	46	35	451	56	32
15	1900	51	3810	176	244	965	376	46	35	308	53	31
16	2000	52	2640	145	220	917	304	44	34	174	72	31
17	1360	49	2200	130	203	558	255	46	35	128	68	e30
18	332	47	1190	135	187	406	219	64	34	272	74	e30
19	210	49	914	354	172	342	191	61	34	147	76	e29
20	165	49	563	1870	1440	298	170	58	73	84	68	e29
21	138	48	367	1940	2360	825	154	53	66	69	64	32
22	114	49	277	1690	1650	1630	141	50	46	59	79	58
23	97	50	491	833	786	1490	141	46	39	106	120	171
24	87	56	1430	838	435	666	124	43	38	101	155	91
25	78	59	1400	3690	333	370	109	41	42	70	99	293
26	70	55	676	3270	283	358	97	41	44	57	96	2560
27	66	76	378	2210	247	380	90	41	57	54	64	4740
28	63	116	290	1290	216	312	86	40	97	48	51	4490
29	60	277	245	577	---	257	82	42	108	44	45	4030
30	60	667	211	451	---	223	85	53	78	159	45	2260
31	58	---	183	388	---	571	---	63	---	105	43	---
TOTAL	9712	2490	22587	23852	23788	17654	24916	1647	1595	4040	6564	19447
MEAN	313.3	83.00	728.6	769.4	849.6	569.5	830.5	53.13	53.17	130.3	211.7	648.2
MAX	2000	667	3810	3690	2540	2150	4960	81	131	451	1770	4740
MIN	45	47	63	122	172	151	82	40	34	44	43	29
CFSM	0.74	0.20	1.72	1.81	2.00	1.34	1.96	0.13	0.13	0.31	0.50	1.53
IN.	0.85	0.22	1.98	2.09	2.08	1.55	2.18	0.14	0.14	0.35	0.57	1.70

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1929 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	97.31	290.7	517.1	958.7	1192	1226	1022	484.2	186.8	258.1	129.3	109.6
MAX	843	2214	3150	3321	2747	2758	3909	2695	1020	2853	508	648
(WY)	1965	1949	1933	1937	1950	1935	1938	1953	1997	1940	1938	2002
MIN	17.8	23.7	65.3	63.5	62.1	175	94.9	36.7	46.2	22.3	29.2	20.3
(WY)	1964	1937	1934	1934	2000	1955	1963	1963	1960	2000	1943	1954

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1929 - 2002	
ANNUAL TOTAL	211645		158292			
ANNUAL MEAN	579.8		433.7		535.8	
HIGHEST ANNUAL MEAN					1090	1949
LOWEST ANNUAL MEAN					124	2000
HIGHEST DAILY MEAN	11500	Mar 4	4960	Apr 10	20900	Jan 7 1950
LOWEST DAILY MEAN	43	Jul 24	29	Sep 19	12	Aug 31 2000
ANNUAL SEVEN-DAY MINIMUM	48	Oct 1	30	Sep 14	13	Aug 25 2000
MAXIMUM PEAK FLOW			5610	Apr 10	26400	Apr 7 1983
MAXIMUM PEAK STAGE			19.23	Apr 10	33.48	Apr 7 1983
ANNUAL RUNOFF (CFSM)	1.37		1.02		1.26	
ANNUAL RUNOFF (INCHES)	18.54		13.86		17.14	
10 PERCENT EXCEEDS	1450		1440		1420	
50 PERCENT EXCEEDS	193		100		120	
90 PERCENT EXCEEDS	53		41		33	

e Estimated

02488000 PEARL RIVER AT ROCKPORT, MS

LOCATION.--Lat 31°47'28", long 90°08'33", in NW1/4 sec.31, T.10 N., R.11 E., Washington Meridian, Copiah County, Hydrologic Unit 03180003, on downstream side of bridge on right bank on county road between Rockport and Shivers, approximately 1.0 mi upstream from Sinkler Creek, 2.0 mi south of Rockport, 7.5 mi downstream from Strong River, and 221.7 mi upstream from the mouth.

DRAINAGE AREA.--4,556 mi^2.

PERIOD OF RECORD.--October 1938 to September 1951, (monthly discharge only prior to June 1939), October 1984 to current year. Daily mean gage heights published since October 1984.

GAGE.--Water-stage recorder. Datum of gage is 180.19 ft above NGVD of 1929.

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 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 30	2000	18,100	20.29	Feb. 7	1400	19,100	20.90
Dec. 15	1615	20,900	21.91	Apr. 10	0445	24,900	24.02
Jan. 26	1330	20,700	21.78	Sep. 27	2000	*25,000	*24.05

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	573	812	17700	4730	15000	4650	14100	773	3240	1230	7580	426
2	511	910	16000	3770	16900	4350	14700	804	1530	2090	10700	408
3	487	963	12800	3060	16600	3670	13400	881	812	1570	11900	394
4	472	661	9500	2170	15400	2500	12000	865	626	959	10200	391
5	466	565	7300	1440	13900	2170	10500	1100	566	697	6550	390
6	469	548	5840	2200	15300	2310	9060	2140	536	671	4260	387
7	757	532	4700	6560	18800	2020	7700	1400	511	622	2800	394
8	914	518	3830	6210	17800	1850	8170	764	503	624	1460	413
9	756	530	3140	5240	15900	2150	23100	619	590	549	893	417
10	713	748	2900	5030	14300	2500	24700	589	702	493	718	401
11	538	883	2760	4540	13100	2710	22700	559	760	464	632	377
12	617	882	1910	4190	11400	3700	19700	542	670	902	577	360
13	1400	866	1430	3680	10900	11700	17200	522	530	999	606	349
14	7650	856	15000	3030	10100	13000	15000	500	515	1010	895	363
15	11500	859	20700	2590	9360	11600	13100	500	445	1200	1250	363
16	12400	854	19900	2450	8500	11100	11000	506	429	1220	1070	361
17	13100	851	19000	2360	7250	12300	8120	528	448	1740	1440	371
18	11700	857	19000	2150	6150	12200	5120	672	502	2590	3130	376
19	9820	848	17800	2560	5140	11400	2980	1020	487	2070	1670	448
20	8360	844	16700	8770	8880	11100	2480	1060	433	1100	983	419
21	7030	839	15800	11000	15500	11800	2090	807	656	664	759	391
22	5860	758	15100	12100	14200	15500	1470	676	713	594	673	473
23	5000	717	14500	12700	11500	16400	1180	605	534	1470	646	1480
24	4380	851	15200	12400	10100	16200	1090	547	516	2480	924	1850
25	3830	1180	14300	18200	9170	15700	990	521	474	2330	922	1050
26	2870	2490	12800	20500	7950	15300	902	506	569	1770	1040	11500
27	1830	2330	11300	19300	6690	14800	908	488	768	1770	741	24600
28	1380	4530	9750	18000	5560	13400	1120	509	1180	1110	590	24700
29	1890	10200	8280	16900	---	11400	1060	561	1600	662	512	23800
30	1460	17700	7030	15600	---	9300	839	665	1600	584	469	22700
31	989	---	5850	14500	---	8660	---	2570	---	921	446	---
TOTAL	119722	56982	347820	247930	331350	277440	266479	24799	23445	37155	77036	120352
MEAN	3862	1899	11220	7998	11830	8950	8883	800.0	781.5	1199	2485	4012
MAX	13100	17700	20700	20500	18800	16400	24700	2570	3240	2590	11900	24700
MIN	466	518	1430	1440	5140	1850	839	488	429	464	446	349
CFSM	0.85	0.42	2.46	1.76	2.60	1.96	1.95	0.18	0.17	0.26	0.55	0.88
IN.	0.98	0.47	2.84	2.02	2.71	2.27	2.18	0.20	0.19	0.30	0.63	0.98

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1985 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1221	3162	5815	10680	13950	12340	9601	5223	3076	1939	1560	1324
MAX	3862	6762	12200	32180	38420	25300	30040	31840	11380	7113	5288	6273
(WY)	2002	1994	1996	1990	1990	2001	1991	1991	1997	1989	2001	2001
MIN	428	594	848	894	698	2693	1215	664	503	525	478	497
(WY)	1991	1991	1988	2000	2000	2000	1986	1999	1988	2000	2000	1986

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1985 - 2002	
ANNUAL TOTAL	2664030		1930510			
ANNUAL MEAN	7299		5289		5834	
HIGHEST ANNUAL MEAN					9752	1990
LOWEST ANNUAL MEAN					1991	2000
HIGHEST DAILY MEAN	49000	Mar 4	24700	Apr 10	64500	May 5 1991
LOWEST DAILY MEAN	466	Oct 5	349	Sep 13	319	Sep 27 1988
ANNUAL SEVEN-DAY MINIMUM	532	Sep 30	363	Sep 12	329	Sep 24 1988
MAXIMUM PEAK FLOW			25000	Sep 27	65000	May 5 1991
MAXIMUM PEAK STAGE			24.05	Sep 27	35.66	May 5 1991
INSTANTANEOUS LOW FLOW			345	Sep 13,14	267	Oct 25 1943
ANNUAL RUNOFF (CFSM)	1.60		1.16		1.28	
ANNUAL RUNOFF (INCHES)	21.75		15.76		17.40	
10 PERCENT EXCEEDS	19000		15300		16800	
50 PERCENT EXCEEDS	3710		1770		1940	
90 PERCENT EXCEEDS	726		491		531	

02488000 PEARL RIVER AT ROCKPORT, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.33	5.83	20.07	10.86	18.45	10.79	17.93	5.63	8.81	6.07	12.77	4.47
2	5.19	6.02	19.04	9.88	19.62	10.49	18.31	5.68	6.56	7.33	15.39	4.43
3	5.13	6.12	17.11	9.09	19.43	9.77	17.51	5.82	5.34	6.61	16.31	4.39
4	5.09	5.52	14.89	7.97	18.69	8.39	16.62	5.77	4.95	5.60	14.97	4.38
5	5.08	5.31	13.18	6.92	17.81	7.98	15.61	6.19	4.81	5.09	12.02	4.38
6	5.09	5.27	11.91	7.88	18.62	8.16	14.58	7.75	4.74	5.04	9.88	4.37
7	5.70	5.24	10.84	12.55	20.74	7.78	13.51	6.65	4.68	4.93	8.26	4.39
8	6.03	5.21	9.95	12.25	20.16	7.53	13.71	5.53	4.66	4.94	6.44	4.44
9	5.72	5.23	9.18	11.36	19.02	7.96	23.08	5.22	4.86	4.77	5.48	4.45
10	5.63	5.70	8.90	11.16	18.08	8.41	23.93	5.14	5.10	4.64	5.13	4.41
11	5.25	5.97	8.73	10.68	17.28	8.67	22.88	5.06	5.22	4.57	4.95	4.35
12	5.43	5.97	7.59	10.33	16.24	9.72	21.24	5.01	5.03	5.48	4.83	4.30
13	6.73	5.94	6.82	9.79	15.86	16.35	19.81	4.96	4.72	5.67	4.89	4.27
14	13.38	5.92	18.34	9.05	15.36	17.24	18.53	4.89	4.69	5.69	5.47	4.31
15	16.30	5.93	21.77	8.53	14.81	16.34	17.41	4.88	4.52	6.03	6.10	4.31
16	16.84	5.92	21.33	8.35	14.15	16.02	16.18	4.88	4.48	6.07	5.80	4.30
17	17.31	5.91	20.85	8.24	13.14	16.79	14.19	4.92	4.53	6.85	6.38	4.33
18	16.45	5.92	20.86	7.95	12.20	16.75	11.46	5.23	4.66	8.01	8.66	4.34
19	15.14	5.90	20.13	8.44	11.27	16.22	9.05	5.90	4.62	7.32	6.75	4.53
20	14.04	5.90	19.52	14.29	14.21	16.01	8.37	5.97	4.49	5.84	5.64	4.45
21	12.95	5.89	18.96	15.95	18.77	16.49	7.86	5.48	4.99	5.02	5.22	4.38
22	11.94	5.72	18.52	16.68	18.00	18.79	6.94	5.20	5.12	4.87	5.04	4.61
23	11.13	5.64	18.19	17.06	16.31	19.31	6.47	5.04	4.73	6.36	4.98	6.57
24	10.52	5.91	18.62	16.89	15.33	19.19	6.30	4.89	4.69	7.88	5.54	7.36
25	9.94	6.49	18.05	20.35	14.66	18.87	6.11	4.82	4.59	7.67	5.53	6.27
26	8.86	8.39	17.10	21.69	13.71	18.64	5.94	4.77	4.81	6.91	5.74	15.26
27	7.50	8.20	16.16	20.98	12.66	18.39	5.93	4.72	5.23	6.92	5.18	23.84
28	6.82	10.57	15.08	20.27	11.66	17.49	6.31	4.76	5.99	5.86	4.86	23.93
29	7.59	15.20	13.97	19.61	---	16.22	6.18	4.87	6.67	5.01	4.68	23.44
30	6.96	20.10	12.95	18.81	---	14.74	5.77	5.09	6.67	4.85	4.58	22.86
31	6.16	---	11.92	18.17	---	14.23	---	7.93	---	5.45	4.52	---
MEAN	9.07	6.89	15.50	12.97	16.29	13.86	13.26	5.44	5.17	5.91	7.16	7.54
MAX	17.31	20.10	21.77	21.69	20.74	19.31	23.93	7.93	8.81	8.01	16.31	23.93
MIN	5.08	5.21	6.82	6.92	11.27	7.53	5.77	4.72	4.48	4.57	4.52	4.27

02488500 PEARL RIVER NEAR MONTICELLO, MS

LOCATION.--Lat 31°33'13", long 90°05'16", in SW1/4 sec.23, T.7 N., R.21 W., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, near left bank on downstream side of pier of bridge on U.S. Highway 84, 1.0 mi east of Monticello, 2.5 mi upstream from Halls Creek, 4.1 mi upstream from Silver Creek and at mile 190.8.

DRAINAGE AREA.--4,993 mi^2.

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

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

GAGE.--Water-stage recorder. Datum of gage is 158.66 ft above NGVD of 1929 (levels by U. S. Army Corps of Engineers) Prior to Dec. 12, 1938, nonrecording gage, Dec. 12, 1938, to Jan. 10. 1949, water-stage recorder, and Jan. 11, 1949 to Oct. 16, 1952, nonrecording gage, all at same site and datum.

REMARKS.--Estimated daily discharges: Apr. 23-26. 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 ft^3/s, from rating curve extended above 70,000 ft^3/s.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 22,000 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Apr. 10	1400	*27,200	*21.40	Sep. 28	0245	26,100	20.95

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	925	1150	18400	5070	15500	5110	14800	996	3200	1510	5100	687
2	799	1090	17500	4110	16700	5520	15900	952	2420	1540	10500	660
3	751	1160	15100	3410	17200	4920	14400	1030	1360	2120	11400	626
4	736	1090	11300	2730	16400	3460	12600	1040	953	1380	11000	644
5	728	916	8280	2090	14900	2540	11000	1120	828	997	8490	628
6	811	901	6410	2050	16000	2700	9390	1500	821	842	6560	608
7	786	893	5140	5250	19500	2490	7910	1840	765	817	3830	612
8	1090	888	4150	6730	19800	2280	8430	1160	719	784	2360	613
9	1020	887	3380	5660	18100	2340	23000	866	729	787	1460	629
10	982	891	2850	5140	15900	2730	26800	780	840	724	1060	645
11	892	1010	2750	4850	14200	2840	26200	721	932	694	936	626
12	867	1050	2320	4630	12500	4210	23800	715	936	823	892	600
13	1110	1060	2110	4530	11300	10300	20700	692	830	1300	915	557
14	5640	1070	9180	3700	10700	13500	17700	662	749	1160	969	546
15	10700	1060	18600	3020	9820	12600	15100	642	712	1190	1320	560
16	11900	1060	20500	2770	9050	11800	13000	643	660	1290	1780	551
17	12700	1060	20200	2620	7850	11900	10400	654	645	1300	1460	560
18	12600	1060	20100	2490	6560	12500	7050	692	664	2010	2340	563
19	10800	1090	19300	2850	5410	11800	4300	788	708	2290	2410	572
20	9080	1060	17900	8240	8500	11200	2870	1040	729	1600	1440	635
21	7680	1060	16600	11800	15300	11700	2620	969	711	1010	1060	620
22	6370	1020	15600	12200	16000	14400	2100	805	908	833	931	615
23	5390	996	14900	12700	13400	16300	e1680	714	820	845	878	819
24	4690	994	15200	12600	11100	16700	e1530	640	723	1970	957	1940
25	4190	1080	15000	18400	9890	16100	e1380	609	699	2400	1180	2000
26	3430	1760	13600	21100	8750	16300	e1230	600	713	2020	1430	10500
27	2490	2590	12000	20900	7390	16300	1120	598	851	1770	1160	24900
28	1780	2970	10500	19300	6150	14300	1180	582	1140	1560	860	25700
29	1890	7930	8880	18000	---	11500	1260	640	1400	1080	767	25000
30	1940	17100	7440	16600	---	9140	1130	876	1660	849	737	24000
31	1490	---	6210	15200	---	9070	---	1280	---	874	706	---
TOTAL	126257	57946	361400	260740	353870	288550	300580	26846	29825	40369	86888	128216
MEAN	4073	1932	11660	8411	12640	9308	10020	866.0	994.2	1302	2803	4274
MAX	12700	17100	20500	21100	19800	16700	26800	1840	3200	2400	11400	25700
MIN	728	887	2110	2050	5410	2280	1120	582	645	694	706	546
CFSM	0.82	0.39	2.33	1.68	2.53	1.86	2.01	0.17	0.20	0.26	0.56	0.86
IN.	0.94	0.43	2.69	1.94	2.64	2.15	2.24	0.20	0.22	0.30	0.65	0.96

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1962 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	1776	2929	8277	12600	14150	14590	14540	7827	2957	2000	1900	1552
MAX	9167	8443	37130	36890	43290	29990	51710	40240	13140	7516	10920	7904
(WY)	1976	1994	1983	1974	1990	1980	1980	1991	1997	1989	1975	2001
MIN	305	356	728	1231	933	2950	1552	800	650	602	486	482
(WY)	1964	1964	1963	2000	2000	1967	1967	1963	1988	1969	1969	1963

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1962 - 2002	
ANNUAL TOTAL	2933289		2061487			
ANNUAL MEAN	8036		5648		7056	
HIGHEST ANNUAL MEAN					17210	1983
LOWEST ANNUAL MEAN					2001	1963
HIGHEST DAILY MEAN	55200	Mar 4	26800	Apr 10	121000	Apr 20 1979
LOWEST DAILY MEAN	667	Jul 21	546	Sep 14	269	Oct 24 1963
ANNUAL SEVEN-DAY MINIMUM	750	Jul 19	558	Sep 13	274	Oct 21 1963
MAXIMUM PEAK FLOW			27200	Apr 10	122000	Apr 20 1979
MAXIMUM PEAK STAGE			21.40	Apr 10	34.08	Apr 20 1979
INSTANTANEOUS LOW FLOW			539	Sep 14	269	Oct 24 1963
ANNUAL RUNOFF (CFSM)	1.61		1.13		1.41	
ANNUAL RUNOFF (INCHES)	21.85		15.36		19.20	
10 PERCENT EXCEEDS	20600		16200		20200	
50 PERCENT EXCEEDS	4150		2010		2440	
90 PERCENT EXCEEDS	986		692		666	

e Estimated

02488500 PEARL RIVER NEAR MONTICELLO, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.11	5.35	17.68	9.65	16.28	9.69	15.93	5.24	7.74	5.69	8.78	4.28
2	4.87	5.26	17.26	8.82	16.88	10.02	16.50	5.16	6.85	5.73	13.40	4.23
3	4.78	5.37	16.08	8.14	17.12	9.53	15.74	5.29	5.46	6.51	13.98	4.15
4	4.75	5.25	14.00	7.43	16.76	8.19	14.75	5.30	4.80	5.49	13.69	4.19
5	4.73	4.94	12.04	6.68	15.99	7.22	13.79	5.45	4.57	4.87	11.98	4.16
6	4.89	4.91	10.71	6.63	16.56	7.40	12.79	6.01	4.55	4.59	10.59	4.12
7	4.84	4.90	9.71	9.74	18.17	7.16	11.79	6.50	4.44	4.55	8.34	4.13
8	5.39	4.89	8.85	10.95	18.33	6.91	12.06	5.50	4.35	4.48	6.79	4.13
9	5.28	4.89	8.12	10.14	17.55	6.99	19.69	5.00	4.37	4.49	5.61	4.16
10	5.21	4.90	7.57	9.71	16.52	7.43	21.25	4.83	4.59	4.36	4.99	4.20
11	5.05	5.11	7.45	9.48	15.66	7.55	20.99	4.71	4.76	4.30	4.77	4.16
12	5.00	5.18	6.96	9.29	14.72	8.85	20.03	4.70	4.77	4.55	4.69	4.10
13	5.41	5.19	6.70	9.19	14.01	13.31	18.73	4.66	4.57	5.38	4.73	4.00
14	10.02	5.22	12.29	8.43	13.64	15.29	17.36	4.59	4.41	5.15	4.83	3.97
15	13.66	5.20	17.77	7.74	13.08	14.80	16.12	4.55	4.34	5.20	5.40	4.01
16	14.39	5.20	18.64	7.48	12.56	14.28	14.98	4.55	4.23	5.36	6.06	3.99
17	14.82	5.19	18.49	7.31	11.74	14.36	13.52	4.58	4.20	5.38	5.61	4.01
18	14.77	5.21	18.46	7.16	10.82	14.72	11.31	4.66	4.24	6.36	6.73	4.02
19	13.67	5.24	18.09	7.52	9.94	14.29	9.13	4.85	4.33	6.71	6.84	4.03
20	12.58	5.19	17.44	11.98	12.08	13.93	7.74	5.31	4.37	5.81	5.58	4.17
21	11.62	5.19	16.85	14.32	16.20	14.23	7.46	5.19	4.33	4.90	4.98	4.14
22	10.68	5.13	16.35	14.52	16.57	15.76	6.84	4.88	4.71	4.58	4.76	4.13
23	9.92	5.08	15.99	14.80	15.22	16.71	---	4.70	4.55	4.60	4.66	4.54
24	9.33	5.08	16.13	14.78	13.85	16.89	---	4.55	4.36	6.30	4.80	6.27
25	8.89	5.22	16.07	17.68	13.12	16.62	---	4.48	4.31	6.84	5.18	6.38
26	8.17	6.21	15.30	18.90	12.36	16.69	---	4.46	4.34	6.37	5.57	12.72
27	7.16	7.28	14.42	18.82	11.43	16.71	5.45	4.45	4.61	6.05	5.15	20.48
28	6.27	7.66	13.50	18.12	10.52	15.70	5.55	4.42	5.11	5.76	4.63	20.82
29	6.43	11.69	12.45	17.50	---	14.12	5.68	4.49	5.52	5.02	4.45	20.52
30	6.49	17.10	11.46	16.83	---	12.62	5.46	4.86	5.90	4.61	4.39	20.11
31	5.87	---	10.56	16.15	---	12.55	---	5.43	---	4.65	4.32	---
MEAN	8.07	5.94	13.66	11.48	14.56	12.27	---	4.95	4.79	5.31	6.65	6.74
MAX	14.82	17.10	18.64	18.90	18.33	16.89	---	6.50	7.74	6.84	13.98	20.82
MIN	4.73	4.89	6.70	6.63	9.94	6.91	---	4.42	4.20	4.30	4.32	3.97

02488700 WHITESAND CREEK NEAR OAK VALE, MS

LOCATION.--Lat 31°28′11", long 89°58′25", in NW1/4 SW1/4 sec.24, T.6 N., R.20 W., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, near left bank on downstream side of bridge on State Highway 43, .5 mi upstream from Illinois Central and Gulf Railroad bridge, 2.3 mi north of Oak Vale, and 3.7 mi upstream from mouth.

DRAINAGE AREA.--130 mi^2.

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

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

GAGE.--Water-stage recorder. Datum of gage is 182.20 ft above NGVD of 1929 (Mississippi Department of Transportation bench mark).

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 28, 29, 1961, reached a stage of 17.11 ft from floodmark, discharge, 15,900 ft^3/s. Maximum stage known since at least 1879, 20 1/4 ft in April 1900, and flood in January 1925 reached a stage of 17.3 ft from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft^3/s, and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Apr. 9	1815	*1,780	*7.20				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	97	242	171	425	139	293	109	104	93	170	88
2	88	94	168	170	310	220	202	106	93	93	184	88
3	88	94	139	169	194	192	172	103	88	91	124	88
4	88	93	126	170	168	157	157	101	86	91	94	88
5	88	92	119	181	162	147	147	101	87	93	281	87
6	138	91	114	294	350	141	140	101	87	91	332	86
7	124	91	112	227	373	137	135	99	86	94	148	97
8	99	90	109	186	228	135	381	97	86	102	114	92
9	92	89	107	174	191	134	1650	96	89	95	103	89
10	90	89	104	167	174	134	928	95	96	94	95	86
11	121	89	104	163	162	131	379	93	92	133	93	84
12	435	89	102	224	153	359	301	92	88	170	99	82
13	387	89	500	264	149	463	249	91	86	139	108	81
14	1050	90	1060	195	144	225	216	93	90	121	107	81
15	486	89	517	172	140	183	189	91	84	99	103	83
16	222	88	305	160	140	166	172	89	85	95	107	82
17	167	88	337	156	138	156	158	95	92	94	106	82
18	147	86	383	156	135	147	149	126	89	87	102	82
19	137	86	270	266	133	142	142	108	87	85	96	81
20	128	87	230	421	279	155	138	94	91	84	92	82
21	121	87	210	326	301	439	134	90	101	84	93	88
22	116	87	201	328	183	274	130	88	90	88	91	124
23	113	85	205	226	157	189	128	88	91	93	98	191
24	110	86	211	203	146	169	125	87	93	96	94	117
25	106	89	196	417	141	157	120	87	90	127	93	238
26	101	86	188	290	138	322	117	87	111	103	97	1140
27	100	128	185	201	136	342	117	85	136	92	105	1250
28	99	651	180	175	135	220	114	85	168	85	99	295
29	99	692	177	165	---	186	112	87	117	83	91	171
30	100	438	175	158	---	170	111	120	104	202	90	136
31	99	---	173	153	---	202	---	115	---	186	89	---
TOTAL	5428	4230	7249	6728	5485	6333	7506	2999	2887	3283	3698	5459
MEAN	175.1	141.0	233.8	217.0	195.9	204.3	250.2	96.74	96.23	105.9	119.3	182.0
MAX	1050	692	1060	421	425	463	1650	126	168	202	332	1250
MIN	88	85	102	153	133	131	111	85	84	83	89	81
CFSM	1.35	1.08	1.80	1.67	1.51	1.57	1.92	0.74	0.74	0.81	0.92	1.40
IN.	1.55	1.21	2.07	1.93	1.57	1.81	2.15	0.86	0.83	0.94	1.06	1.56

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	123.2	142.5	197.4	291.5	300.8	346.1	317.7	221.3	144.2	128.4	123.2	127.5
MAX	423	503	407	810	746	844	1173	810	289	315	307	419
(WY)	1985	1994	1983	1990	1966	1973	1974	1990	1989	1981	1975	2001
MIN	63.4	78.9	91.5	116	92.2	118	104	79.4	78.5	71.6	70.5	64.9
(WY)	2001	1968	2000	1970	2000	1967	2001	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1965 - 2002	
ANNUAL TOTAL	87416		61285			
ANNUAL MEAN	239.5		167.9		204.8	
HIGHEST ANNUAL MEAN					339	1980
LOWEST ANNUAL MEAN					101	2000
HIGHEST DAILY MEAN	5870	Mar 3	1650	Apr 9	16400	Apr 13 1974
LOWEST DAILY MEAN	68	Sep 1	81	Sep 13	58	Sep 6 2000
ANNUAL SEVEN-DAY MINIMUM	71	Aug 23	82	Sep 13	60	Oct 24 2000
MAXIMUM PEAK FLOW			1780	Apr 9	25400	Apr 13 1974
MAXIMUM PEAK STAGE			7.20	Apr 9	18.76	Apr 13 1974
INSTANTANEOUS LOW FLOW			77	Jul 29a	57	Aug 30 2000
ANNUAL RUNOFF (CFSM)	1.84		1.29		1.58	
ANNUAL RUNOFF (INCHES)	25.01		17.54		21.41	
10 PERCENT EXCEEDS	390		294		304	
50 PERCENT EXCEEDS	103		117		128	
90 PERCENT EXCEEDS	82		87		86	

a Also occurred on Sept. 19, 20.

02488700 WHITESAND CREEK NEAR OAK VALE, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.23	4.27	4.72	4.36	4.99	4.13	4.62	4.00	3.98	3.92	4.24	3.85
2	4.22	4.26	4.48	4.36	4.72	4.41	4.36	3.99	3.92	3.92	4.29	3.85
3	4.23	4.26	4.37	4.35	4.39	4.32	4.25	3.97	3.90	3.91	4.07	3.84
4	4.23	4.25	4.31	4.36	4.30	4.20	4.20	3.96	3.89	3.91	3.93	3.84
5	4.22	4.25	4.28	4.39	4.27	4.16	4.16	3.96	3.89	3.92	4.38	3.84
6	4.45	4.24	4.26	4.73	4.80	4.14	4.13	3.96	3.89	3.91	4.65	3.84
7	4.40	4.24	4.26	4.54	4.87	4.12	4.11	3.95	3.89	3.93	4.11	3.89
8	4.28	4.24	4.24	4.41	4.49	4.11	4.68	3.94	3.89	3.96	3.97	3.87
9	4.25	4.23	4.23	4.37	4.36	4.11	7.00	3.94	3.90	3.94	3.92	3.85
10	4.24	4.23	4.22	4.35	4.30	4.11	5.85	3.93	3.94	3.93	3.88	3.83
11	4.35	4.23	4.21	4.33	4.26	4.10	4.84	3.93	3.92	4.09	3.88	3.82
12	5.28	4.23	4.20	4.53	4.23	4.72	4.64	3.92	3.90	4.25	3.90	3.82
13	5.11	4.23	5.15	4.65	4.20	5.01	4.50	3.91	3.89	4.13	3.94	3.81
14	6.42	4.24	6.23	4.44	4.18	4.43	4.40	3.93	3.91	4.05	3.94	3.81
15	5.37	4.23	5.23	4.36	4.16	4.29	4.31	3.91	3.87	3.95	3.92	3.82
16	4.75	4.23	4.77	4.32	4.16	4.23	4.25	3.90	3.88	3.93	3.94	3.82
17	4.57	4.22	4.84	4.30	4.15	4.19	4.20	3.93	3.92	3.93	3.93	3.82
18	4.49	4.22	4.96	4.29	4.13	4.16	4.17	4.07	3.90	3.89	3.92	3.82
19	4.45	4.21	4.67	4.61	4.13	4.14	4.14	3.99	3.89	3.88	3.89	3.81
20	4.41	4.22	4.55	5.03	4.58	4.19	4.13	3.93	3.91	3.87	3.87	3.82
21	4.38	4.22	4.49	4.80	4.65	4.96	4.11	3.91	3.96	3.87	3.87	3.84
22	4.36	4.22	4.46	4.80	4.30	4.56	4.09	3.90	3.91	3.90	3.87	4.01
23	4.35	4.21	4.48	4.52	4.21	4.31	4.08	3.89	3.91	3.92	3.90	4.27
24	4.33	4.22	4.49	4.45	4.16	4.24	4.07	3.89	3.92	3.94	3.88	3.98
25	4.31	4.23	4.45	5.00	4.14	4.20	4.05	3.89	3.91	4.08	3.87	4.36
26	4.29	4.21	4.42	4.69	4.12	4.67	4.04	3.89	4.01	3.97	3.89	6.27
27	4.28	4.37	4.41	4.43	4.12	4.74	4.04	3.88	4.11	3.92	3.93	6.47
28	4.28	5.66	4.39	4.34	4.11	4.41	4.03	3.88	4.24	3.88	3.90	4.54
29	4.28	5.69	4.38	4.30	---	4.30	4.01	3.89	4.04	3.87	3.87	4.12
30	4.28	5.21	4.37	4.27	---	4.25	4.01	4.05	3.97	4.32	3.86	3.97
31	4.28	---	4.37	4.25	---	4.35	---	4.03	---	4.30	3.85	---
MEAN	4.50	4.37	4.54	4.48	4.34	4.33	4.38	3.94	3.94	3.97	3.98	4.08
MAX	6.42	5.69	6.23	5.03	4.99	5.01	7.00	4.07	4.24	4.32	4.65	6.47
MIN	4.22	4.21	4.20	4.25	4.11	4.10	4.01	3.88	3.87	3.87	3.85	3.81

02489000 PEARL RIVER NEAR COLUMBIA, MS

LOCATION.--Lat 31°28'14", long 89°58'25", in NE1/4 NW1/4 sec.7, T.3 N., R.18 W., St. Stephens Meridian, Marion County, Hydrologic Unit 03180004, on downstream side of bridge on U.S. Highway 98, 1.5 mi southwest of Columbia, 2.0 mi downstream from Fernwood, Columbia and Gulf Railroad bridge, 2.2 mi upstream from Silver Creek and at mile 137.8.

DRAINAGE AREA.--5,720 mi^2.

PERIOD OF RECORD.--October 1928 to September 1954 (monthly discharge only for January to August 1930, published in WSP 1304) October 1998 to September 1999 (high-water records only) and October 1999 to current year. January 1972 to 1999 (gage heights only). Gage-height records collected at same site November 1904 to December 1971 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 115.81 ft above NGVD of 1929 (levels by U. S. Army Corps of Engineers). Prior to August 1928, nonrecording gages at various sites and datums in the vicinity maintained by National Weather Service. August 1928 to May 26, 1934, nonrecording gage at site 1.0 mi downstream at datum 0.37 ft higher. May 26, 1934 to September 1954, water-stage recorder at present site and datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1874 reached a stage of about 31 ft, from information by National Weather Service.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1460	2380	16300	8350	16600	7020	12300	2450	2240	2110	1650	1060
2	1310	2020	17300	7140	17100	6790	15700	2290	3740	2090	6600	1040
3	1160	1890	16800	6100	17400	7160	16400	2190	3040	2120	10900	1010
4	1070	1930	15000	5280	17400	5930	15300	2220	2030	2640	11800	964
5	1040	1860	12200	4610	16900	4390	13800	2230	1570	2070	11800	960
6	1270	1650	9800	4680	16400	3510	12400	2280	1400	1650	13700	943
7	1530	1550	8140	4770	17800	3520	11000	2630	1350	1420	8970	919
8	1250	1510	6930	7630	19500	3280	10400	3010	1390	1410	5260	927
9	1360	1490	5930	8430	19700	3060	17000	2390	1460	1340	3460	922
10	1360	1490	5150	7430	18400	3140	23700	2030	1280	1320	2370	916
11	1320	1510	4610	6920	16700	3450	25700	1900	1370	1300	1820	923
12	2630	1690	4480	6800	15300	4430	25700	1810	1460	1390	1610	908
13	3080	1740	4570	7400	13800	7460	24000	1760	1430	1670	1540	881
14	5730	1750	8840	6640	12900	12200	21300	1730	1340	1960	1520	838
15	9040	1780	13900	5500	12300	14200	18600	1680	1240	1920	1530	828
16	11100	1750	17800	4670	11500	14100	16300	1640	1180	1830	1850	828
17	11800	1760	19300	4290	10700	13200	14300	1660	1110	1860	2340	821
18	12400	1760	19800	4060	9560	13200	12100	1720	1080	1870	2040	836
19	12900	1770	19500	4560	8300	13500	9090	1730	1130	2450	2730	835
20	11400	1780	18800	7800	7820	13000	6460	1770	1110	2800	2900	818
21	9910	1750	17700	11300	12000	13600	5010	1970	1130	2270	2040	885
22	8650	1760	16700	13500	15900	14100	4540	1970	1110	1820	1610	936
23	7470	1740	16000	13600	16300	15500	3920	1790	1250	1560	1420	994
24	6530	1770	15500	13800	14300	16700	3380	1680	1280	1450	1340	1130
25	5810	1790	15600	14900	12300	16900	3070	1590	1140	2440	1380	2470
26	5240	1860	15400	18400	11100	17500	2870	1540	1150	3210	1590	6290
27	4450	2570	14400	20100	9700	18300	2690	1510	1240	2740	1830	16700
28	3470	5270	13400	20100	8240	17300	2540	1500	1520	2400	1650	21800
29	2740	6860	12300	19100	---	15500	2530	1550	1740	2200	1320	23100
30	2780	11400	11000	18000	---	13100	2590	2030	1860	1850	1180	23000
31	2810	---	9620	16900	---	11200	---	2050	---	1670	1110	---
TOTAL	154070	71830	402770	302760	395920	326240	354690	60300	45370	60830	112860	115482
MEAN	4970	2394	12990	9766	14140	10520	11820	1945	1512	1962	3641	3849
MAX	12900	11400	19800	20100	19700	18300	25700	3010	3740	3210	13700	23100
MIN	1040	1490	4480	4060	7820	3060	2530	1500	1080	1300	1110	818
MED	3080	1760	14400	7430	14800	13000	12200	1810	1340	1870	1830	932
CFSM	0.87	0.42	2.27	1.71	2.47	1.84	2.07	0.34	0.26	0.34	0.64	0.67
IN.	1.00	0.47	2.62	1.97	2.57	2.12	2.31	0.39	0.30	0.40	0.73	0.75

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2000 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2446	2072	5688	7780	8338	15040	12160	1775	2363	2361	4106	4511
MAX	4970	2394	12990	11710	14140	31090	15200	1988	4100	4144	7702	8679
(WY)	2002	2002	2002	2001	2002	2001	2000	2001	2001	2001	2001	2001
MIN	917	1569	1825	1867	1344	3502	9450	1391	1477	976	976	1005
(WY)	2001	2000	2000	2000	2000	2000	2001	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 2000 - 2002	
ANNUAL TOTAL	3324820		2403122			
ANNUAL MEAN	9109		6584		5705	
HIGHEST ANNUAL MEAN					7840	2001
LOWEST ANNUAL MEAN					2700	2000
HIGHEST DAILY MEAN	64400	Mar 5	25700	Apr 11	64400	Mar 5 2001
LOWEST DAILY MEAN	1040	Oct 5	818	Sep 20	799	Oct 29 2000
ANNUAL SEVEN-DAY MINIMUM	1230	Oct 2	829	Sep 14	805	Oct 24 2000
MAXIMUM PEAK FLOW			26000	Apr 11	72600	Apr 9 1938
MAXIMUM PEAK STAGE			14.65	Apr 11	26.40	Apr 9 1938
INSTANTANEOUS LOW FLOW			809	Sep 17,18,20	705	Oct 21 1952
ANNUAL RUNOFF (CFSM)	1.59		1.15		1.00	
ANNUAL RUNOFF (INCHES)	21.62		15.63		13.55	
10 PERCENT EXCEEDS	20500		16700		16300	
50 PERCENT EXCEEDS	5550		2900		2000	
90 PERCENT EXCEEDS	1630		1170		974	

02489000 PEARL RIVER NEAR COLUMBIA, MS--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.64	2.02	10.57	5.61	10.70	5.70	8.40	1.92	1.75	1.83	1.35	0.93
2	1.51	1.72	11.05	4.87	10.98	5.54	10.28	1.78	2.99	1.78	4.88	0.91
3	1.36	1.61	10.80	4.21	11.09	5.79	10.61	1.70	2.55	1.77	7.68	0.88
4	1.28	1.63	9.90	3.68	11.13	4.98	10.05	1.73	1.78	2.17	8.21	0.84
5	1.25	1.57	8.28	3.23	10.86	3.91	9.28	1.73	1.38	1.71	8.22	0.83
6	1.47	1.38	6.76	3.30	10.63	3.28	8.49	1.77	1.23	1.35	9.26	0.81
7	1.70	1.29	5.70	3.39	11.27	3.28	7.65	2.06	1.18	1.15	6.59	0.79
8	1.45	1.25	4.89	5.30	12.05	3.10	7.26	2.35	1.21	1.14	4.21	0.80
9	1.55	1.22	4.20	5.83	12.15	2.93	10.85	1.87	1.28	1.07	2.92	0.79
10	1.55	1.22	3.64	5.23	11.57	2.99	13.75	1.57	1.12	1.05	2.08	0.79
11	1.52	1.23	3.23	4.92	10.74	3.23	14.54	1.46	1.20	1.03	1.62	0.80
12	2.61	1.38	3.10	4.86	10.04	3.94	14.52	1.38	1.28	1.11	1.43	0.78
13	2.98	1.42	3.12	5.27	9.28	5.96	13.90	1.34	1.25	1.37	1.38	0.75
14	4.87	1.42	5.89	4.80	8.75	8.57	12.83	1.31	1.17	1.62	1.35	0.71
15	7.00	1.44	9.18	4.06	8.40	9.58	11.65	1.27	1.08	1.58	1.36	0.70
16	8.25	1.42	11.28	3.51	7.93	9.54	10.56	1.23	1.02	1.51	1.64	0.70
17	8.67	1.42	11.98	3.26	7.46	9.06	9.55	1.25	0.96	1.53	2.05	0.69
18	8.98	1.41	12.17	3.12	6.75	9.05	8.26	1.30	0.93	1.54	1.81	0.71
19	8.85	1.41	12.06	3.49	5.97	9.19	6.46	1.31	0.98	2.02	2.36	0.71
20	8.02	1.42	11.73	5.65	5.66	8.91	4.79	1.34	0.96	2.30	2.50	0.69
21	7.18	1.39	11.24	7.83	8.21	9.26	3.81	1.52	0.98	1.88	1.80	0.76
22	6.41	1.39	10.78	9.10	10.37	9.46	3.48	1.52	0.96	1.50	1.43	0.81
23	5.66	1.37	10.42	9.19	10.56	10.18	3.04	1.37	1.09	1.27	1.27	0.86
24	5.05	1.39	10.16	9.31	9.57	10.75	2.64	1.27	1.12	1.17	1.19	0.99
25	4.56	1.40	10.23	9.88	8.53	10.88	2.40	1.19	0.99	2.01	1.23	2.11
26	4.18	1.45	10.11	11.57	7.91	11.14	2.25	1.15	1.0	2.62	1.42	4.73
27	3.61	2.03	9.54	12.31	7.23	11.54	2.11	1.12	1.08	2.25	1.62	10.67
28	2.89	4.00	8.86	12.31	6.44	11.07	1.98	1.11	1.34	1.98	1.47	13.02
29	2.33	5.07	8.09	11.88	---	10.14	1.98	1.15	1.53	1.82	1.17	13.53
30	2.36	7.84	7.21	11.38	---	8.85	2.03	1.56	1.63	1.52	1.04	13.49
31	2.37	---	6.38	10.88	---	7.75	---	1.58	---	1.37	0.98	---
MEAN	3.97	1.87	8.47	6.56	9.37	7.40	7.65	1.49	1.30	1.61	2.82	2.55
MAX	8.98	7.84	12.17	12.31	12.15	11.54	14.54	2.35	2.99	2.62	9.26	13.53
MIN	1.25	1.22	3.10	3.12	5.66	2.93	1.98	1.11	0.93	1.03	0.98	0.69
MED	2.89	1.42	9.54	5.27	9.80	8.85	8.33	1.38	1.18	1.54	1.62	0.81

02489500 PEARL RIVER NEAR BOGALUSA, LA

LOCATION.--Lat 30×47'35", long 89×49'15", on line between secs. 17 and 18, T. 3 S., R. 14 E., Washington Parish, Hydrologic Unit 03180004, near left bank on downstream side of flow control structure upstream of bridge on State Highway 10, 2.0 mi east of Bogalusa, and 2.0 mi upstream from Bogue Lusa Creek.

DRAINAGE AREA.--6,573 mi^2.

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

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

GAGE.--Water-stage recorder. Datum of gage is 54.64 ft above NAVD 88. Prior to Oct. 1, 1999, datum of gage 55.00 ft above sea level (NGVD 1929). Prior to July 29, 1954, nonrecording gage at same site and datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 11, 1938, reached a stage of 21.0 ft.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3260	3660	10300	9610	24700	9320	14400	3180	2930	2650	2670	1910
2	3180	3420	16200	8200	24400	9170	13900	3090	2790	2980	2520	1850
3	3070	3130	19300	7060	24500	9260	16500	2950	3420	3040	4580	1810
4	2940	2940	20200	6200	23700	8680	18200	2840	3520	2790	8730	1790
5	2850	2880	18800	5550	23500	7410	18100	2790	2950	3020	10900	1740
6	2830	2830	14800	6040	23700	5980	16300	2800	2520	2820	13000	1730
7	2990	2680	10700	6640	23700	5100	13900	2780	2310	2420	15600	1820
8	3260	2560	8340	5940	24000	4880	11900	2930	2170	2150	11700	1930
9	3100	2500	6850	6960	25800	4720	15000	3240	2150	2070	7090	1830
10	3010	2450	5860	8040	27200	4540	21700	2980	2410	2000	4880	1750
11	3120	2430	5130	7470	26700	4520	27200	2660	2280	1950	3790	1700
12	4550	2410	4670	6910	24100	4970	30700	2480	2220	1940	3210	1670
13	5890	2480	4640	6950	21000	7110	32300	2370	2240	2100	3020	1650
14	9630	2550	7360	7520	18000	9050	32500	2290	2150	2590	2920	1610
15	11500	2550	12000	6970	15500	12100	31300	2260	2070	2710	2710	1580
16	11400	2550	15700	5990	13900	14800	28100	2220	1980	2690	2650	1550
17	12500	2540	20300	5250	12500	15700	23300	2170	1920	2570	2800	1570
18	13400	2530	23800	4900	11300	15000	19100	2160	1880	2500	3070	1590
19	14200	2530	26600	4750	9950	14400	14600	2210	1850	2430	2960	1580
20	14300	2510	27500	5610	8840	14700	10300	2220	1850	2640	3070	1550
21	12800	2510	27100	8350	8670	15200	7310	2230	1890	2990	3440	1540
22	10800	2500	25200	11300	11600	16500	5670	2320	1850	2950	3060	1590
23	9320	2540	23300	14500	16200	16500	5040	2400	1850	2680	2770	1640
24	8050	2630	21700	16000	18500	17200	4590	2300	1900	2510	2480	1730
25	7000	2780	20300	16900	17700	18600	4150	2180	1980	2240	2280	2150
26	6240	2800	19500	18200	14800	20800	3830	2090	1980	2530	2250	7190
27	5670	2740	19200	21100	12400	23800	3610	2030	2060	3310	2370	17700
28	5050	2990	18000	24600	10700	25500	3440	1990	2230	3270	2510	21100
29	4420	4480	16000	27000	---	24100	3270	1990	2530	2960	2470	23500
30	3850	6420	13500	27500	---	21300	3190	2240	2690	2850	2190	26100
31	3630	---	11200	26300	---	17600	---	2840	---	2860	1990	---
TOTAL	207810	86520	494050	344310	517560	398510	453400	77230	68570	81210	139680	138450
MEAN	6704	2884	15940	11110	18480	12860	15110	2491	2286	2620	4506	4615
MAX	14300	6420	27500	27500	27200	25500	32500	3240	3520	3310	15600	26100
MIN	2830	2410	4640	4750	8670	4520	3190	1990	1850	1940	1990	1540
CFSM	1.02	0.44	2.42	1.69	2.81	1.96	2.30	0.38	0.35	0.40	0.69	0.70
IN.	1.18	0.49	2.80	1.95	2.93	2.26	2.57	0.44	0.39	0.46	0.79	0.78

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2956	4186	9686	15430	19490	20720	19150	12030	5606	4543	3823	3010
MAX	10390	16150	40080	48900	56830	46670	67290	56770	22540	26570	16710	12220
(WY)	1976	1958	1983	1974	1990	1987	1980	1991	1983	1940	1975	2001
MIN	1110	1233	1713	2174	2133	3678	3214	1926	1651	1564	1398	1246
(WY)	1964	1964	1955	1956	2000	2000	1963	1963	1963	1969	2000	1954

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1939 - 2002	
ANNUAL TOTAL	4086440		3007300			
ANNUAL MEAN	11200		8239		9962	
HIGHEST ANNUAL MEAN					22560	1983
LOWEST ANNUAL MEAN					3412	1963
HIGHEST DAILY MEAN	59700	Mar 7	32500	Apr 14	127000	Apr 24 1979
LOWEST DAILY MEAN	2380	May 23	1540	Sep 21	1020	Oct 29 1963
ANNUAL SEVEN-DAY MINIMUM	2480	Nov 9	1570	Sep 15	1030	Oct 26 1963
MAXIMUM PEAK FLOW			34000	Apr 14	129000	Apr 24 1979
MAXIMUM PEAK STAGE			20.08	Apr 14	23.23	Apr 24 1979
INSTANTANEOUS LOW FLOW			1530	Sep 21	1020	Oct 30 1963
ANNUAL RUNOFF (CFSM)	1.70		1.25		1.52	
ANNUAL RUNOFF (INCHES)	23.13		17.02		20.59	
10 PERCENT EXCEEDS	26300		21500		27800	
50 PERCENT EXCEEDS	6260		3660		4530	
90 PERCENT EXCEEDS	2790		1980		1830	

02490500 BOGUE CHITTO NEAR TYLERTOWN, MS

LOCATION.--Lat 31°10'37", long 90°16'48", in NW1/4 SE1/4 SE1/4 sec.34, T.3 N., R.9 E., Washington Meridian, Pike County, Hydrologic Unit 03180005, near right bank on downstream side of bridge on U.S. Highway 98, 0.2 mi upstream from Bars Branch, 2.2 mi downstream from Topisaw Creek, and 9.2 mi northwest of Tylertown.

DRAINAGE AREA.--492 mi^2.

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

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

GAGE.--Water-stage recorder. Datum of gage is 227.40 ft above NGVD of 1929.

REMARKS.--Estimated daily discharges: Oct. 4-9 and Jan. 4-7. Records good except for estimated daily dishcarges, 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 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Apr. 9	1300	7,800	15.28	Sep. 27	1300	*18,300	*21.93

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	254	243	1430	296	1070	393	1900	313	652	291	953	265
2	250	243	663	290	1350	1120	1970	307	435	278	1820	260
3	248	241	437	284	937	1660	1260	301	348	272	1030	257
4	e250	238	368	e280	676	1210	694	297	312	294	554	252
5	e247	235	334	e276	572	697	550	295	305	306	465	253
6	e244	233	314	e270	958	555	483	294	377	310	2560	252
7	e241	230	300	e373	2130	492	445	292	317	295	1940	276
8	e247	230	294	430	2100	455	1210	288	296	288	837	289
9	e252	228	289	384	1380	439	7690	283	308	262	508	270
10	250	228	282	351	828	421	6080	279	295	269	397	270
11	271	227	274	334	647	473	5220	275	290	262	345	256
12	362	227	271	457	554	682	2440	272	298	267	335	249
13	441	225	613	962	500	1560	1120	266	292	321	470	246
14	1120	224	1990	859	463	1720	807	264	275	603	450	245
15	1580	225	1630	573	435	1240	662	260	264	558	385	243
16	1690	222	973	445	417	920	574	258	258	368	404	242
17	842	223	776	387	400	806	517	268	257	320	362	241
18	433	222	1250	361	386	642	478	278	257	308	339	243
19	358	223	960	922	376	552	446	267	255	284	313	239
20	325	220	624	2380	574	537	422	259	252	270	299	241
21	303	219	482	2110	1430	952	400	255	249	261	290	264
22	291	219	418	2010	1440	1240	381	254	257	283	286	292
23	282	221	392	1230	780	849	369	252	272	443	303	270
24	276	224	397	875	542	591	361	251	264	574	396	270
25	267	225	561	1560	469	505	352	251	260	384	414	353
26	256	229	430	2220	428	1840	344	253	266	363	483	8630
27	250	267	369	2450	398	2520	337	250	273	312	383	15000
28	245	430	348	1620	379	2040	331	255	308	281	327	11100
29	242	1180	333	806	---	1140	324	268	418	268	311	8560
30	242	2020	318	644	---	749	320	1090	372	263	289	1670
31	243	---	306	570	---	872	---	1220	---	488	274	---
TOTAL	12802	9821	18426	27009	22619	29872	38487	10215	9282	10346	18522	51498
MEAN	413.0	327.4	594.4	871.3	807.8	963.6	1283	329.5	309.4	333.7	597.5	1717
MAX	1690	2020	1990	2450	2130	2520	7690	1220	652	603	2560	15000
MIN	241	219	271	270	376	393	320	250	249	261	274	239
CFSM	0.84	0.67	1.21	1.77	1.64	1.96	2.61	0.67	0.63	0.68	1.21	3.49
IN.	0.97	0.74	1.39	2.04	1.71	2.26	2.91	0.77	0.70	0.78	1.40	3.89

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1944 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	380.7	496.9	854.1	1268	1390	1380	1283	830.2	527.9	457.3	422.6	412.6
MAX	1894	2118	2976	4728	3994	3625	4718	4317	1744	1503	1402	1717
(WY)	1965	1958	1972	1990	1966	1973	1983	1953	1975	1946	1953	2002
MIN	182	212	305	279	257	299	303	220	210	176	168	200
(WY)	2001	1957	2000	1956	2000	2000	1963	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1944 - 2002	
ANNUAL TOTAL	326192		258899			
ANNUAL MEAN	893.7		709.3		805.5	
HIGHEST ANNUAL MEAN					1301	1983
LOWEST ANNUAL MEAN					269	2000
HIGHEST DAILY MEAN	21300	Mar 4	15000	Sep 27	56900	Apr 7 1983
LOWEST DAILY MEAN	212	May 30	219	Nov 21	141	Sep 6 2000
ANNUAL SEVEN-DAY MINIMUM	219	May 29	221	Nov 17	146	Sep 2 2000
MAXIMUM PEAK FLOW			18300	Sep 27	64200	Apr 7 1983
MAXIMUM PEAK STAGE			21.93	Sep 27	34.62	Apr 7 1983
ANNUAL RUNOFF (CFSM)	1.82		1.44		1.64	
ANNUAL RUNOFF (INCHES)	24.66		19.58		22.24	
10 PERCENT EXCEEDS	1930		1430		1570	
50 PERCENT EXCEEDS	357		339		394	
90 PERCENT EXCEEDS	230		244		245	

e Estimated

02492343 EAST HOBOLOCHITTO CREEK NEAR CAESAR, MS

LOCATION.--Lat 30°34'27", long 89°35'32", in sec.34, T.5 S., R.16 W., St. Stephens Meridian, Pearl River County, Hydrologic Unit 03180004, near left bank at downstream side of bridge on County Highway, 3.2 mi west of Caessar, and 3.5 mi downstream from Stanfield Creek.

DRAINAGE AREA.--86.1 mi^2.

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

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

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	17	179	41	80	42	330	32	93	105	30	12
2	19	16	117	67	98	571	219	29	79	67	21	11
3	17	16	84	81	77	645	150	27	62	50	17	14
4	16	16	65	68	62	288	112	31	35	37	17	19
5	16	15	54	96	57	153	91	28	23	29	49	13
6	16	14	48	672	212	110	77	25	17	22	97	12
7	16	13	43	621	407	90	67	23	15	17	122	62
8	15	13	42	308	275	77	92	20	12	17	124	110
9	14	12	40	187	170	76	998	18	11	18	160	130
10	14	12	43	139	121	122	1410	16	9.8	24	78	76
11	17	12	40	115	97	110	681	15	9.3	27	69	42
12	139	12	36	115	84	286	1370	13	12	26	79	28
13	400	12	42	164	71	649	844	12	9.7	28	71	21
14	690	12	179	146	62	446	293	11	9.1	72	63	18
15	661	12	249	115	56	217	228	10	8.2	126	47	16
16	243	12	159	94	51	148	189	9.5	7.4	74	41	15
17	137	11	129	80	49	120	156	9.2	7.5	45	35	14
18	100	11	177	73	45	99	135	9.7	13	30	37	15
19	78	11	134	73	42	82	117	9.0	12	22	63	19
20	65	12	93	79	84	107	103	7.9	14	17	82	22
21	56	11	71	80	141	958	89	7.3	12	15	87	20
22	49	12	59	75	102	1200	78	6.6	12	40	50	26
23	43	88	92	78	73	415	70	6.5	13	38	40	28
24	39	139	101	95	58	192	64	6.8	15	29	38	22
25	35	188	81	117	48	140	59	6.6	13	26	32	315
26	25	137	65	116	43	351	54	6.6	15	28	28	3450
27	23	99	54	88	38	1010	44	6.9	33	25	27	5760
28	20	80	51	72	36	862	37	6.1	57	21	28	1750
29	19	98	52	66	---	272	34	6.1	89	14	20	434
30	18	220	49	62	---	176	36	51	132	24	16	216
31	17	---	44	58	---	205	---	28	---	58	14	---
TOTAL	3037	1333	2672	4241	2739	10219	8227	493.8	850.0	1171	1682	12690
MEAN	97.97	44.43	86.19	136.8	97.82	329.6	274.2	15.93	28.33	37.77	54.26	423.0
MAX	690	220	249	672	407	1200	1410	51	132	126	160	5760
MIN	14	11	36	41	36	42	34	6.1	7.4	14	14	11
MED	23	13	65	88	72	192	107	11	13	28	41	22
CFSM	1.14	0.52	1.00	1.59	1.14	3.83	3.19	0.19	0.33	0.44	0.63	4.91
IN.	1.31	0.58	1.15	1.83	1.18	4.42	3.55	0.21	0.37	0.51	0.73	5.48

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	33.06	46.17	73.97	301.0	188.2	374.5	119.0	64.15	137.3	74.05	64.36	127.8
MAX	98.0	107	133	1152	572	675	274	316	436	217	214	423
(WY)	2002	1998	1998	1998	1997	1998	2002	1997	2001	1997	2001	2002
MIN	0.66	6.54	32.3	36.4	18.2	29.1	22.9	2.76	5.09	1.30	1.41	3.11
(WY)	2001	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1996 - 2002	
ANNUAL TOTAL	62224.7		49354.8			
ANNUAL MEAN	170.5		135.2		133.5	
HIGHEST ANNUAL MEAN					224	1998
LOWEST ANNUAL MEAN					15.0	2000
HIGHEST DAILY MEAN	4920	Mar 4	5760	Sep 27	6250	Mar 8 1998
LOWEST DAILY MEAN	3.2	May 27	6.1	May 28	0.32	Nov 1 2000
ANNUAL SEVEN-DAY MINIMUM	3.3	May 24	6.5	May 23	0.37	Oct 27 2000
MAXIMUM PEAK FLOW			8050	Sep 27	8350	Jan 8 1998
MAXIMUM PEAK STAGE			19.33	Sep 27	19.45	Jan 8 1998
INSTANTANEOUS LOW FLOW			5.9	May 28,29	0.31	Oct 31 2000
ANNUAL RUNOFF (CFSM)	1.98		1.57		1.55	
ANNUAL RUNOFF (INCHES)	26.88		21.32		21.06	
10 PERCENT EXCEEDS	325		223		272	
50 PERCENT EXCEEDS	49		50		30	
90 PERCENT EXCEEDS	10		12		4.2	

02492360 WEST HOBOLOCHITTO CREEK NEAR MCNEILL, MS

LOCATION.--Lat 30°39'43", long 89°41'01", in NW1/4 sec.34, T.4 S., R.8 W., St. Stephens Meridian, Pearl River County, Hydrologic Unit 03180004, near left bank at downstream side of bridge on County Highway, 0.2 mi downstream from Price Creek, and 3.1 mi west of McNeill.

DRAINAGE AREA.--175 mi^2.

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 NGVD of 1929.

REMARKS.--Estimated daily discharges: Feb. 19-26 and Mar. 16-21. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,500 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 12	1100	2,580	13.66	Apr. 9	1430	3,000	14.79
Oct. 14	1230	3,270	15.44	Sep. 27	1045	*9,690	*20.15
Mar. 26	2215	2,890	14.51				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	39	57	183	63	138	88	662	50	198	73	125	56
2	39	54	112	77	308	1440	402	49	89	57	105	54
3	39	51	82	80	192	794	249	46	57	59	84	54
4	39	49	66	81	137	338	189	44	45	45	70	55
5	38	48	57	188	124	212	153	42	39	39	96	54
6	40	46	51	1780	782	161	132	41	35	36	491	54
7	41	45	48	968	1080	134	118	39	37	41	503	118
8	41	43	45	434	523	115	254	38	38	40	337	134
9	41	43	45	279	298	111	2760	37	35	41	161	105
10	40	42	45	218	218	188	2250	36	33	40	110	81
11	104	42	43	186	168	148	991	34	37	37	117	71
12	2280	41	41	178	140	740	1280	33	37	36	131	63
13	1530	40	57	249	120	1650	465	32	34	38	120	59
14	3120	39	1270	225	108	612	329	31	31	52	194	54
15	2480	39	2160	170	101	313	255	30	29	76	141	53
16	785	38	795	142	88	e270	196	29	27	59	122	52
17	332	38	345	124	86	e220	155	30	28	66	172	54
18	233	38	560	112	80	e180	129	30	28	52	105	97
19	185	37	336	107	e140	e410	110	29	34	46	86	84
20	152	36	202	159	e230	e960	96	28	49	42	86	69
21	129	37	149	305	e320	e2200	86	28	36	43	74	62
22	114	37	113	199	e200	773	78	28	30	84	71	59
23	101	74	181	336	e130	357	73	27	30	172	102	59
24	91	70	213	432	e100	241	69	28	31	83	164	56
25	82	106	133	331	e88	190	66	28	28	65	106	437
26	75	98	101	339	e76	1620	63	27	36	56	86	5010
27	71	80	86	214	73	2180	60	26	57	52	78	8500
28	67	63	77	157	70	948	56	27	98	50	71	4480
29	65	105	74	133	---	434	54	26	168	48	65	1180
30	62	207	72	121	---	311	53	76	155	57	61	554
31	60	---	67	109	---	305	---	283	---	132	58	---
TOTAL	12515	1743	7809	8496	6118	18643	11833	1332	1609	1817	4292	21818
MEAN	403.7	58.10	251.9	274.1	218.5	601.4	394.4	42.97	53.63	58.61	138.5	727.3
MAX	3120	207	2160	1780	1080	2200	2760	283	198	172	503	8500
MIN	38	36	41	63	70	88	53	26	27	36	58	52
MED	75	44	86	186	138	313	142	31	36	52	105	62
CFSM	2.31	0.33	1.44	1.57	1.25	3.44	2.25	0.25	0.31	0.33	0.79	4.16
IN.	2.66	0.37	1.66	1.81	1.30	3.96	2.52	0.28	0.34	0.39	0.91	4.64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1965 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	86.10	64.29	180.6	491.7	491.8	553.9	229.0	139.0	222.5	118.4	102.0	133.8
MAX	404	170	546	1920	1792	1231	474	465	1014	451	216	727
(WY)	2002	1998	1968	1998	1966	1998	1997	1997	2001	1997	2001	2002
MIN	6.82	20.1	46.9	62.3	30.6	44.9	39.0	13.3	16.1	10.7	9.06	10.5
(WY)	2001	2000	1999	2000	2000	2000	2000	2000	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1965 - 2002	
ANNUAL TOTAL	115182		98025			
ANNUAL MEAN	315.6		268.6		233.5	
HIGHEST ANNUAL MEAN					390	1998
LOWEST ANNUAL MEAN					37.2	2000
HIGHEST DAILY MEAN	7670	Jun 12	8500	Sep 27	8790	Mar 8 1998
LOWEST DAILY MEAN	17	Jun 3	26	May 27	4.9	Oct 30 2000
ANNUAL SEVEN-DAY MINIMUM	18	May 29	27	May 23	5.8	Oct 27 2000
MAXIMUM PEAK FLOW			9690	Sep 27	27800	Jan 21 1993
MAXIMUM PEAK STAGE			20.15	Sep 27	23.43	Jan 21 1993
ANNUAL RUNOFF (CFSM)	1.80		1.53		1.33	
ANNUAL RUNOFF (INCHES)	24.48		20.84		18.13	
10 PERCENT EXCEEDS	690		496		463	
50 PERCENT EXCEEDS	82		82		59	
90 PERCENT EXCEEDS	37		36		21	

e Estimated

301140089351800 USCG PEARL RIVER LIGHT 23A

LOCATION.--Lat 30°11′40", long 89°35′18", in NE¼ sec.9, T.10 S., R.16 E., St. Stevens Meridian, Hancock County, Hydrologic Unit 03180004, on the Pearl River Light 23A platform.

DRAINAGE AREA.--Not determined.

PERIOD OF DAILY RECORD.--
GAGE HEIGHT: October 2000 to August 2001 (discontinued).
SPECIFIC CONDUCTANCE: October 2000 to August 2001 (discontinued).
WATER TEMPERATURE: October 2000 to August 2001 (discontinued).

INSTRUMENTATION.--Water-stage recorder from October 2000 to August 2001. Datum of gage is NGVD of 1929. Water-quality monitor from October 2000 to August 2001.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--
GAGE HEIGHT: Maximum recorded, 2.80 ft, Mar. 15, but may have been higher during periods of instrument malfunction; minimum recorded, -2.02 ft, Dec. 19, but may have been lower during periods of instrument malfunction.
SPECIFIC CONDUCTANCE: Maximum recorded, 32,400 microsiemens, Oct. 22, but may have been higher during periods of instrument malfunction; minimum recorded, 51 microsiemens, Mar. 11, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 31.8°C, July 18, 20, but may have been higher during periods of instrument malfunction; minimum recorded, 4.7°C, Jan. 4, but may have been lower during periods of instrument malfunction.

GAGE HEIGHT, FEET, OCTOBER 2000 TO AUGUST 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	1.46	0.75	1.08	1.39	0.08	0.77	0.93	-0.32	0.34	---	---	---
2	1.38	0.41	0.89	1.53	0.25	0.89	0.96	-0.81	-0.01	-0.22	---	---
3	1.38	0.30	0.87	1.42	0.16	0.79	0.38	-0.51	-0.20	-0.31	-0.70	-0.50
4	1.50	0.39	0.93	1.15	0.06	0.62	0.69	-0.15	0.24	0.01	-1.27	-0.63
5	1.30	0.10	0.74	1.17	0.01	0.66	0.40	-0.38	0.01	0.03	-1.32	-0.68
6	1.38	-0.14	0.71	1.94	0.96	1.51	0.68	-0.09	0.26	0.44	-1.56	-0.57
7	1.06	-0.18	0.51	1.46	0.92	1.17	0.77	---	---	0.81	-1.30	-0.26
8	0.51	-0.48	0.10	2.11	1.46	1.78	1.06	-0.15	0.46	0.76	-1.41	-0.41
9	1.15	-0.40	0.41	2.20	0.44	1.11	1.26	-0.34	0.45	0.41	-1.47	-0.66
10	0.85	-0.37	0.23	1.26	0.47	0.91	1.28	-0.49	0.45	0.43	-1.23	-0.37
11	0.63	-0.26	0.15	1.30	0.29	0.82	1.45	-0.40	0.55	0.87	-0.67	0.15
12	0.86	0.11	0.50	1.45	0.03	0.77	1.53	-0.50	0.40	0.49	-1.03	-0.32
13	1.01	0.09	0.61	1.57	0.02	0.79	1.59	0.17	0.99	0.60	-0.70	-0.01
14	1.15	0.20	0.76	1.32	-0.46	0.31	1.72	-0.43	---	0.66	-0.55	0.03
15	1.31	0.21	0.82	1.11	-0.35	0.46	1.34	-0.22	0.59	0.16	-0.35	-0.06
16	1.39	0.03	0.73	1.40	-0.04	0.73	1.34	-0.41	0.53	0.85	-0.13	0.29
17	1.45	-0.11	0.70	1.40	-0.16	0.62	-0.36	-1.61	-1.09	0.91	-0.01	0.49
18	1.23	-0.14	0.58	1.90	0.83	1.28	0.28	-0.45	-0.08	1.01	-0.42	0.31
19	1.43	-0.13	0.70	2.38	0.61	1.50	0.10	-2.02	-1.28	0.94	-0.56	-0.07
20	1.39	0.00	0.76	0.88	-0.26	0.31	0.12	-1.36	-0.70	-0.39	-1.51	-0.95
21	1.31	0.41	0.94	0.13	-0.58	-0.30	0.28	-0.29	0.00	-0.07	-1.27	-0.70
22	1.67	0.93	1.34	0.27	-0.73	-0.21	0.50	-1.02	-0.26	0.08	-1.42	-0.72
23	1.56	0.81	1.26	1.08	-0.59	0.19	0.78	-0.51	0.14	0.09	-1.39	-0.74
24	1.57	0.88	1.15	1.67	0.34	1.17	0.78	-0.73	-0.01	-0.08	-1.41	-0.74
25	1.34	0.49	0.99	1.33	-0.24	0.53	0.89	-0.60	0.11	-0.07	-1.51	-0.81
26	---	---	---	1.37	-0.34	0.43	1.26	0.12	0.65	0.22	-0.99	-0.37
27	---	---	---	1.11	-0.63	0.19	1.47	-0.05	0.71	0.33	-0.93	-0.22
28	---	---	---	1.05	-0.67	0.20	1.49	-1.23	0.05	0.55	-0.47	0.13
29	---	---	---	1.09	-0.56	0.21	0.41	-1.12	-0.44	0.80	0.18	0.63
30	---	0.06	---	0.85	-0.37	0.18	-0.50	-1.68	-1.14	0.43	-0.24	0.19
31	1.43	0.00	0.73	---	---	---	---	---	---	0.51	-0.12	0.19

301140089351800 USCG PEARL RIVER LIGHT 23A

GAGE HEIGHT, FEET, OCTOBER 2000 TO AUGUST 2001--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.65	-0.66	0.04	1.00	-0.39	0.37	1.12	-0.60	0.24	1.64	0.15	1.01
2	0.09	-0.91	-0.41	1.08	-0.27	0.40	1.37	-0.59	0.42	1.50	0.23	0.99
3	0.29	-1.06	-0.38	1.69	-0.47	0.69	1.26	-0.17	0.65	1.42	0.44	1.02
4	0.35	-1.33	-0.52	0.95	-0.96	-0.18	1.32	-0.18	0.64	1.18	0.38	0.77
5	0.28	-1.48	-0.62	0.04	-1.22	-0.50	1.30	0.00	---	1.09	0.21	0.75
6	0.69	-1.47	-0.46	0.25	-1.53	-0.66	1.26	0.31	0.80	1.24	0.05	0.78
7	0.78	-1.17	-0.19	0.52	-0.96	-0.30	---	---	---	1.25	0.02	0.70
8	0.90	-1.06	-0.01	0.93	-0.62	0.10	1.05	0.06	0.64	1.61	0.02	0.88
9	1.15	-0.45	0.28	1.07	0.08	0.61	0.98	-0.18	0.52	1.55	0.04	0.81
10	0.62	-0.67	-0.18	1.15	0.84	0.97	1.15	-0.19	---	1.55	-0.22	0.74
11	0.34	-0.55	-0.07	1.52	0.97	1.27	1.65	-0.01	0.93	1.57	0.03	0.80
12	0.34	-0.27	0.06	1.82	1.17	1.54	1.51	0.20	0.52	1.40	-0.17	0.64
13	0.60	-0.18	0.19	1.28	0.36	1.04	1.26	-0.01	---	1.30	-0.30	0.51
14	0.62	-0.42	0.04	2.53	0.15	1.16	1.22	-0.54	0.31	1.09	-0.23	0.46
15	0.73	-0.69	0.01	2.80	1.19	1.78	0.69	-0.28	0.13	1.04	-0.55	0.17
16	0.70	-0.78	-0.12	1.19	0.10	0.68	1.11	-0.42	0.31	0.65	---	---
17	0.27	-1.69	-0.74	1.26	0.01	0.72	0.41	-0.65	-0.08	0.57	-0.50	0.08
18	0.41	-0.92	-0.29	1.37	0.41	0.90	0.77	-0.22	0.17	0.62	-0.22	0.17
19	0.91	-0.78	0.01	1.37	0.49	0.95	---	-0.63	-0.03	0.36	-0.61	-0.03
20	0.91	-0.91	-0.01	1.20	-0.59	0.01	---	-0.08	---	0.62	-0.68	-0.13
21	0.99	-0.57	0.22	0.29	-1.12	-0.49	1.21	---	---	0.84	-0.61	0.16
22	1.01	-0.50	---	0.30	-0.67	-0.18	---	0.84	---	0.80	-0.78	0.13
23	---	---	---	0.37	-0.68	-0.10	---	0.33	0.55	1.33	-0.78	0.42
24	---	---	---	0.46	-0.26	0.15	1.15	-0.27	---	1.15	-0.76	0.21
25	---	---	---	0.54	-0.27	0.20	1.10	-0.29	0.54	1.17	-0.78	0.20
26	---	---	---	0.97	-0.28	0.35	1.37	-0.33	0.29	1.39	-0.77	0.42
27	---	---	---	1.08	-0.25	0.47	1.18	-0.61	---	1.26	-0.72	0.29
28	---	---	---	2.39	-0.05	1.07	1.38	-0.67	0.41	1.10	-0.62	0.25
29	---	---	---	2.39	0.79	1.61	1.35	-0.53	0.47	0.79	-0.83	0.00
30	---	---	---	1.13	0.03	0.69	1.92	0.00	0.99	0.61	-0.65	0.03
31	---	---	---	1.31	-0.28	0.48	---	---	---	0.63	-0.38	0.08

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	0.39	-0.58	-0.04	1.31	0.04	0.74	1.30	-0.72	0.47	---	---	---
2	0.66	-0.48	0.12	1.61	0.12	0.93	1.88	0.06	1.24	---	---	---
3	0.74	-0.67	0.04	1.56	0.04	0.90	2.34	0.48	1.57	---	---	---
4	1.16	-0.64	0.47	1.58	-0.33	0.50	2.25	0.94	1.62	---	---	---
5	1.71	-0.64	0.86	1.39	-0.47	---	2.35	0.90	1.64	---	---	---
6	2.06	0.41	1.35	1.22	-0.51	0.40	2.15	0.91	1.54	---	---	---
7	1.97	0.14	1.06	1.21	-0.56	0.41	1.22	0.07	0.79	---	---	---
8	1.65	0.00	0.72	1.05	-0.56	0.22	1.07	-0.05	0.43	---	---	---
9	1.21	-0.19	0.53	0.82	-0.65	0.04	0.57	0.02	0.38	---	---	---
10	0.94	-0.22	0.48	0.52	-0.85	-0.16	0.26	0.02	0.15	---	---	---
11	2.10	0.17	0.90	0.57	-0.84	-0.28	0.98	-0.74	0.14	---	---	---
12	1.41	-0.11	0.69	0.35	-0.89	-0.30	0.99	-0.44	0.19	---	---	---
13	1.12	0.16	0.69	0.08	-0.84	-0.27	0.94	-0.58	0.22	---	---	---
14	1.15	0.33	0.76	0.45	---	---	1.23	-0.53	0.38	---	---	---
15	0.60	-0.01	0.35	0.93	-0.28	0.41	1.51	-0.32	0.71	---	---	---
16	0.60	-0.40	-0.01	1.26	0.21	0.77	1.56	-0.29	0.78	---	---	---
17	0.88	-0.53	0.15	1.30	-0.16	0.68	1.34	-0.24	---	---	---	---
18	1.24	-0.49	0.53	1.48	-0.32	0.75	1.38	-0.27	0.58	---	---	---
19	1.31	-0.50	0.58	1.42	-0.52	0.64	1.59	-0.20	0.87	---	---	---
20	1.23	-0.61	0.40	1.24	-0.66	0.36	---	---	---	---	---	---
21	1.26	-0.65	0.35	1.38	-0.86	0.26	---	---	---	---	---	---
22	0.90	-0.81	0.08	1.69	-0.70	0.67	---	---	---	---	---	---
23	1.42	-0.95	0.35	1.70	-0.29	0.83	---	---	---	---	---	---
24	1.41	-0.62	0.47	1.66	-0.03	0.93	---	---	---	---	---	---
25	1.12	-0.63	0.28	1.41	0.48	0.89	---	---	---	---	---	---
26	1.03	-0.54	0.30	1.09	0.11	0.51	---	---	---	---	---	---
27	0.90	-0.43	0.23	1.14	0.01	0.56	---	---	---	---	---	---
28	0.69	-0.27	0.23	1.07	-0.34	0.39	---	---	---	---	---	---
29	0.77	-0.08	0.36	0.82	-0.77	0.16	---	---	---	---	---	---
30	1.31	0.09	0.65	0.76	-0.80	0.05	---	---	---	---	---	---
31	---	---	---	0.73	-0.83	0.00	---	---	---	---	---	---

301140089351800 USCG PEARL RIVER LIGHT 23A

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, OCTOBER 2000 TO AUGUST 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	28000	21900	23700	24300	19100	21800	8900	2740	5140	---	---	---
2	27800	21100	23800	25900	20400	22500	10100	5260	6340	---	3480	---
3	28700	20500	24200	23900	19000	21300	5590	4530	5070	4000	2950	3440
4	30300	21400	25000	22600	16900	19700	5740	3560	4840	4670	2340	3170
5	28100	20300	23900	21400	17300	19300	5750	3840	4590	3700	1330	2940
6	28500	18700	23800	27800	19800	23800	9440	5080	6530	8130	2390	3720
7	21500	19000	20300	22800	19500	20600	14400	5480	---	11500	2760	5190
8	20700	18800	19700	30000	22800	27200	18900	7300	10700	11500	4740	7320
9	21200	19100	20100	29900	18200	23100	19800	8490	13400	7880	3080	4800
10	21200	18000	20000	19200	16300	17800	20000	10600	15500	9750	2820	4150
11	21000	18100	19500	22000	16000	18300	21900	12000	16500	19700	3030	6740
12	22000	18400	20400	21600	16300	18500	23300	12900	16800	5760	4010	4910
13	24800	17200	21400	23300	15400	17800	24900	15800	19300	6960	2640	3880
14	26400	19900	23400	16600	12700	14700	26200	13000	---	11800	2660	5090
15	31300	20700	25300	15800	9030	13100	19200	11700	14900	5670	2220	3020
16	31100	20900	25900	19600	10600	14300	20700	12400	15900	3000	1960	2250
17	31300	21700	26000	15100	8370	11200	13100	9230	10800	7430	1930	2860
18	27700	21000	23700	12300	7530	9420	14400	9170	12000	8590	2650	4490
19	28400	20100	24200	19000	9010	13400	13400	10400	11600	7400	3410	5520
20	28000	21600	24700	9010	5100	6860	14800	8930	11000	5500	2980	4240
21	27700	22000	24900	5170	3770	4280	16400	11100	13200	2980	1320	2000
22	32400	23300	28300	3840	2800	3190	12300	7990	9790	3190	1240	2030
23	30700	22000	25800	6810	1980	3240	15200	8070	11000	3680	1260	2100
24	31600	21500	25100	15900	4190	9250	15800	7130	11100	2170	1080	1500
25	27200	21100	23700	8840	4800	6400	18000	6230	10500	1300	333	662
26	---	21500	---	10500	4880	6130	26600	9640	12400	350	268	308
27	---	---	---	6970	3580	4640	30900	8930	17800	281	223	248
28	---	---	---	6550	3270	4450	30900	13900	19800	226	177	199
29	---	---	---	8850	3660	5130	15800	9040	12400	212	176	193
30	22700	---	---	5280	2520	3530	10500	7190	8700	253	187	227
31	25100	18900	21900	---	---	---	8340	---	---	236	187	206

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	205	181	192	1130	256	419	104	92	97	12500	910	5460
2	193	172	185	1260	239	615	108	91	98	8390	777	4440
3	190	164	176	928	234	543	112	97	103	8030	1320	4250
4	194	163	173	1040	221	380	142	103	115	7280	775	2660
5	190	163	174	244	138	169	214	107	132	4390	678	1650
6	181	154	165	153	119	140	306	113	150	6720	839	2420
7	191	152	171	179	119	146	201	123	149	8150	1070	2950
8	775	174	202	327	140	214	243	137	181	13600	1670	6020
9	1380	259	686	215	62	140	282	142	178	13100	3150	6680
10	1070	444	650	65	54	57	642	162	283	12100	2710	6740
11	647	282	429	63	51	54	7680	190	1790	13600	3050	6970
12	320	252	284	57	53	55	1670	186	407	9970	2910	6130
13	848	240	330	60	55	56	---	153	184	8450	2340	5200
14	533	252	397	61	56	58	170	120	145	7470	2370	4230
15	676	261	422	70	58	63	145	103	123	6630	1930	3940
16	2670	266	879	63	57	60	130	94	106	4780	1600	2760
17	1760	463	873	63	55	59	110	90	98	5860	1780	3750
18	1340	383	824	66	56	60	101	83	90	5640	3430	4770
19	2880	373	1160	65	59	61	96	85	90	5390	3580	4560
20	3160	641	1500	70	59	65	96	89	93	5980	3070	4490
21	2900	575	1110	84	68	70	---	---	---	8870	4020	6160
22	3340	---	---	84	69	73	---	---	---	7410	4270	6140
23	---	---	---	79	70	75	---	---	---	12400	4110	7660
24	---	---	---	83	69	73	174	117	---	9640	4130	7300
25	---	---	---	82	70	74	486	134	210	10200	4970	7110
26	---	---	---	82	72	78	2600	234	665	15000	4480	8720
27	---	---	---	83	72	78	2520	153	836	12400	5600	8610
28	---	---	---	4140	72	177	5050	171	1570	11000	5830	8290
29	---	---	---	4320	81	465	5010	263	2150	8870	5160	6840
30	---	---	---	124	96	111	13500	528	5510	7640	4280	6040
31	---	---	---	102	90	94	---	---	---	8490	4670	6210

301140089351800 USCG PEARL RIVER LIGHT 23A

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, OCTOBER 2000 TO AUGUST 2001--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	5670	3600	4890	7840	1630	3460	1140	518	793	---	---	---
2	7120	3580	4900	9950	1960	5870	15400	374	3220	---	---	---
3	9670	4660	6840	9600	3390	5420	21000	379	7010	---	---	---
4	13200	6220	9280	7230	2470	4500	20200	625	7830	---	---	---
5	22200	6640	14100	5380	1210	3420	22200	953	10200	---	---	---
6	24700	9670	17400	4380	1170	2350	21100	2020	8270	---	---	---
7	18600	5080	10600	4140	1090	2340	5990	773	2130	---	---	---
8	5080	944	2580	3470	616	1600	2550	897	1450	---	---	---
9	946	280	532	2660	677	1200	1020	492	709	---	---	---
10	393	153	236	2870	735	1440	800	355	549	---	---	---
11	348	124	242	2090	1000	1540	6490	735	1580	---	---	---
12	192	89	138	2040	1240	1580	3490	1160	2430	---	---	---
13	131	73	105	1660	1190	1400	2130	670	1240	---	---	---
14	114	72	93	1620	1080	1350	2100	628	1080	---	---	---
15	99	68	83	4930	1070	2100	6060	593	1610	---	---	---
16	83	70	76	8530	1870	3750	2270	224	584	---	---	---
17	97	79	85	8560	1650	3280	270	113	174	---	---	---
18	139	91	110	14000	1570	6640	204	86	148	---	---	---
19	415	117	225	11800	2790	6540	208	79	139	---	---	---
20	1120	131	292	8720	2840	5270	---	---	---	---	---	---
21	1900	214	894	9750	2960	5560	---	---	---	---	---	---
22	3320	378	1280	17000	3710	9200	---	---	---	---	---	---
23	6820	609	2370	19400	5630	11300	---	---	---	---	---	---
24	7230	1150	3180	21300	5810	11100	---	---	---	---	---	---
25	4270	847	2170	12500	4550	7530	---	---	---	---	---	---
26	4120	756	2230	6820	2500	4410	---	---	---	---	---	---
27	3030	770	1550	5990	1590	3430	---	---	---	---	---	---
28	1470	621	827	4760	1510	2260	---	---	---	---	---	---
29	1810	470	844	2630	1110	1680	---	---	---	---	---	---
30	7800	603	2700	2260	777	1380	---	---	---	---	---	---
31	---	---	---	1420	653	1050	---	---	---	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, OCTOBER 2000 TO AUGUST 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.3	24.2	13.8	---	11.4	18.5	16.1	22.4	27.9	29.1	28.7	---
2	25.8	24.1	13.9	---	10.9	18.9	16.6	22.5	28.5	29.5	28.5	---
3	25.8	24.2	12.6	5.9	10.2	19.2	17.3	23.1	29.1	29.7	28.5	---
4	25.9	24.2	11.7	5.8	9.7	18.2	18.4	23.6	28.8	29.7	28.6	---
5	26.5	24.2	11.7	5.9	9.9	17.4	19.5	23.5	28.2	29.3	29.0	---
6	26.7	23.7	12.0	6.1	10.3	16.5	20.5	23.9	27.5	29.0	29.0	---
7	25.0	23.7	11.8	7.0	10.9	15.6	21.3	24.5	27.0	29.4	28.5	---
8	22.0	24.0	12.1	7.7	11.9	15.6	22.1	24.7	26.4	29.7	28.2	---
9	19.3	23.5	12.6	7.8	13.2	15.8	22.5	24.7	25.0	30.1	27.9	---
10	18.8	21.3	13.0	7.5	13.8	15.1	23.5	25.1	24.4	30.4	28.1	---
11	19.3	20.5	13.4	7.7	13.8	15.1	23.9	25.2	24.4	30.0	28.2	---
12	18.8	19.6	13.1	7.8	14.2	15.6	24.0	25.4	24.6	29.4	27.6	---
13	19.0	19.1	12.3	8.0	15.0	16.1	24.3	25.8	25.0	29.5	27.3	---
14	19.9	17.9	13.0	8.9	16.1	16.4	24.3	25.9	25.2	29.7	27.4	---
15	20.6	16.7	12.6	9.5	16.8	16.5	24.3	26.2	25.7	29.7	27.6	---
16	21.2	16.5	13.5	9.9	17.9	16.8	24.4	26.3	26.4	29.7	27.2	---
17	21.9	16.1	12.5	10.5	17.2	16.1	23.3	26.5	27.1	29.8	27.1	---
18	22.5	14.2	11.7	10.9	16.5	15.0	21.7	26.4	27.5	30.0	27.1	---
19	22.4	13.4	11.2	11.5	15.8	15.2	20.6	26.7	27.6	30.4	27.2	---
20	22.7	13.2	9.8	10.5	16.5	14.5	20.1	27.0	28.1	30.6	---	---
21	23.2	12.1	9.7	9.4	17.0	14.1	---	27.0	28.4	30.5	---	---
22	23.4	11.6	8.9	8.9	---	14.6	21.3	26.6	28.6	29.9	---	---
23	23.6	11.4	8.3	8.3	---	15.2	---	25.7	28.5	30.2	---	---
24	23.4	12.8	9.1	8.0	---	15.9	22.4	25.7	28.2	30.5	---	---
25	23.0	12.8	9.0	8.1	---	16.5	21.9	25.8	28.3	29.7	---	---
26	---	13.1	9.1	8.1	---	16.2	21.6	26.0	28.2	28.7	---	---
27	---	13.2	9.8	8.7	---	15.4	21.5	26.4	28.0	28.9	---	---
28	---	13.2	9.5	9.8	---	14.4	21.7	26.6	28.1	29.3	---	---
29	---	13.7	9.0	10.8	---	13.8	21.9	27.4	28.7	29.1	---	---
30	---	13.8	8.5	11.1	---	14.8	22.3	28.2	29.1	29.0	---	---
31	24.0	---	---	11.3	---	15.2	---	28.0	---	28.9	---	---

301141089320300 EAST PEARL RIVER AT CSX RAILROAD NEAR CLAIBORNE, MS

LOCATION.--Lat 30°11'41", long 89°32'03", in sec.6, T.10 S., R.15 W., Hancock County, Hydrologic Unit 03180004, on CSX railroad bridge near east side of channel, 7.8 mi downstream of the U.S. Highway 90 crossing at Pearlington, Mississippi.

DRAINAGE AREA.--8,674 mi2.

WATER-DISCHARGE RECORDS

PERIOD OF DAILY RECORD.--August 2001 to November 2002 (discontinued).

GAGE.--Water-stage recorder, water quality sonde, and acoustic Doppler velocity meter. Datum of gage is 0.00 ft above NAVD of 1988.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF DAILY RECORD.--
DISCHARGE: Maximum, 99,000 ft^3/s, Sept. 26, 2002; minimum, -111,000 ft^3/s, Sept. 26, 2002.

EXTREMES FOR CURRENT YEAR.--
DISCHARGE: 2001 Water Year, Maximum, 47,100 ft^3/s, Sept. 14; minimum, -31,200 ft^3/s, Sept. 13.
2002 Water Year, Maximum, 99,000 ft^3/s, Sept. 26; minimum, -111,000 ft^3/s, Sept. 26.
2003 Water Year, Maximum, 91,200 ft^3/s, Oct. 3; minimum, -111,000 ft^3/s, Oct. 3.

DISCHARGE, CUBIC FEET PER SECOND, AUGUST TO SEPTEMBER 2001

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	---	27800	-16500
2	---	---	---	---	---	---	---	---	---	---	22000	-12100
3	---	---	---	---	---	---	---	---	---	---	23800	-12200
4	---	---	---	---	---	---	---	---	---	---	24500	-14900
5	---	---	---	---	---	---	---	---	---	---	21800	-6440
6	---	---	---	---	---	---	---	---	---	---	22000	-2680
7	---	---	---	---	---	---	---	---	---	---	22600	-1040
8	---	---	---	---	---	---	---	---	---	---	36600	-13900
9	---	---	---	---	---	---	---	---	---	---	37600	-18600
10	---	---	---	---	---	---	---	---	---	---	34300	-9770
11	---	---	---	---	---	---	---	---	---	---	31000	-2390
12	---	---	---	---	---	---	---	---	---	---	35600	-21300
13	---	---	---	---	---	---	---	---	---	---	46700	-31200
14	---	---	---	---	---	---	---	---	---	---	47100	-23800
15	---	---	---	---	---	---	---	---	---	---	43000	-23500
16	---	---	---	---	---	---	---	---	---	---	39100	-10600
17	---	---	---	---	---	---	---	---	---	---	29600	-7160
18	---	---	---	---	---	---	---	---	---	---	20800	-23400
19	---	---	---	---	---	---	---	---	---	---	23900	-2850
20	---	---	---	---	---	---	---	---	---	---	23900	-11700
21	---	---	---	---	---	---	---	---	---	---	32300	-29800
22	---	---	---	---	---	---	---	---	---	---	30100	-21500
23	---	---	---	---	---	---	---	---	23000	5970	28900	-21100
24	---	---	---	---	---	---	---	---	27500	-14100	31900	-19100
25	---	---	---	---	---	---	---	---	25200	-8300	34800	-20800
26	---	---	---	---	---	---	---	---	25800	-15700	29400	-22500
27	---	---	---	---	---	---	---	---	27200	-11700	29200	-13700
28	---	---	---	---	---	---	---	---	24000	-18300	29200	-21800
29	---	---	---	---	---	---	---	---	27000	-19700	32100	-25100
30	---	---	---	---	---	---	---	---	27100	-22100	30200	-8870
31	---	---	---	---	---	---	---	---	32200	-20100	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	47100	-31200

301141089320300 EAST PEARL RIVER AT CSX RAILROAD NEAR CLAIBORNE, MS--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	24700	-5650	29600	-32600	39300	-26300	34300	-19900	36500	922	-1350	-44400
2	19000	-13200	42200	-29200	37100	-24300	36100	-19400	24300	8040	47000	-60000
3	20300	-18300	36200	-23900	33200	-26400	27900	-6990	24900	6090	47800	9630
4	22500	-15800	42000	-28200	31800	-28000	25800	-7600	24900	-1120	39200	3840
5	29200	-24600	32700	-26900	39300	-30000	-6070	-55900	18600	-55300	33900	-20300
6	36700	-29300	35400	-25900	37900	-14100	44700	-19500	46600	-50000	23900	-29500
7	36800	-38000	28600	-23300	38100	-14900	28100	-8080	43500	-8100	26500	-25800
8	29600	-32200	33700	-24500	30200	-9560	21900	-12000	31000	-7730	27700	-31700
9	27100	-37700	27700	-19200	27800	2750	21200	-23400	28200	-16400	32900	-8900
10	42900	-42300	33000	-14100	23400	-14600	25700	-26900	37900	-10900	29100	-5040
11	43000	-49900	19100	-19500	22400	-28600	25400	-23600	26700	-2330	23600	-24600
12	60200	-46600	22900	-16300	34100	-26300	26200	-20800	21500	-5190	26800	-19000
13	58700	-51900	24500	-35100	39500	-36100	30100	-23800	27100	-7110	27900	-2140
14	59700	9300	30800	-16100	50900	-29000	33100	-27500	24400	-114	21400	-18600
15	---	-44200	34200	-21100	31900	-35700	29200	-17200	24300	-7730	26300	-15600
16	---	---	36000	-24900	45000	-40300	28900	-15800	30000	3090	29000	5050
17	---	---	30300	-18500	50800	-40400	27200	-12900	19700	-2710	31900	-10800
18	---	---	32900	-25200	34900	-11500	24400	-15800	12800	-30900	32800	-17400
19	---	---	28200	-27500	32700	-17600	30600	-9790	20400	-39300	33400	-36600
20	---	---	25100	-19500	23600	-3920	14100	-16700	37600	-22400	48000	-25800
21	42500	---	26200	-21500	26300	-7860	26800	-8050	38900	-23700	44300	2320
22	40400	-21800	19000	-22800	25600	-16200	24400	-24100	40200	-10300	32100	-7970
23	38700	-28100	36600	-28600	44100	-17700	29300	-16300	35100	-14800	27000	-14900
24	40100	-25700	37000	-34400	22900	10900	29300	-15700	32700	-17100	34000	-32900
25	29000	-19300	24400	-3620	26100	4330	36400	1920	33400	-29200	41800	-24500
26	30400	-11800	19000	-16300	26800	483	33800	-14000	43500	-25700	41900	-3070
27	27400	4120	21400	-36500	25800	-16900	37400	-23700	24100	-13900	29800	-1540
28	28200	-16600	31500	-42000	27100	-32800	41100	-21900	24600	-23000	32600	496
29	15900	-7820	41000	-36400	33600	-23100	43400	-25000	---	---	26500	-117
30	24000	-12100	37000	-33800	30800	-22500	40600	-23100	---	---	31200	-19700
31	22800	-19700	---	---	35200	-24900	40400	-21400	---	---	33900	-7680
MONTH	---	---	42200	-42000	50900	-40400	44700	-55900	46600	-55300	48000	-60000

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	45700	-19400	26200	-35900	33600	-14300	20600	-16800	29500	-14400	44200	-37100
2	46900	-33100	24900	-34000	31000	-18800	19800	-16700	49300	-25900	41900	-33300
3	35100	-19000	26600	-27400	25300	-19700	26000	-727	36600	-30600	48100	-37600
4	28000	-6140	24300	-26000	26100	-12900	23800	-13500	11800	-47000	54700	-44300
5	27700	-7270	25200	-23300	19500	-29500	27000	-18800	53900	-83200	41200	-33600
6	23700	-15000	19300	-25900	36300	-11600	23400	-28300	52000	-25300	30500	-64300
7	25500	-35700	17600	-22400	35800	-17000	33900	-28300	52300	-25500	43700	-58800
8	40200	-34800	14700	-10400	33400	-25700	49700	-41700	45600	-40400	47700	-45900
9	38900	-25900	24500	-4640	43500	-43300	45300	-37700	57500	-44800	39900	-25400
10	30600	5480	21900	-18500	45000	-48400	46100	-46400	55600	-45600	38600	-3480
11	36500	-34200	29600	-27800	53400	-45400	42600	-40500	56700	-21100	35000	-6710
12	39400	-16600	35200	-35800	49400	-36200	45600	-37200	54600	-16200	31900	-24500
13	35500	4090	32500	1130	43000	-32200	45600	-21500	40000	-12800	47600	-44200
14	33700	3870	38900	-58900	40400	-20000	27700	-13100	40400	-33200	55000	-61200
15	33800	-9760	37900	-47400	30200	-39100	25500	-18000	29900	-37800	42400	-23800
16	35000	-24300	40500	-42100	30600	-25000	17400	-14500	39500	-33200	35100	-22000
17	34400	-21100	33200	-34100	17300	-26700	22100	-12500	39700	-36700	32300	-24700
18	33500	-22800	32900	-14100	28700	-19900	33800	-16500	38400	-29000	23900	-18800
19	29400	-24800	23800	-24900	19900	-16900	25400	-29800	39500	-32700	20200	-29300
20	28200	-17600	24400	-21700	26800	-16100	28700	-28600	40700	-29700	26100	-23600
21	27100	-18200	20200	-18000	29800	-28500	31000	-69000	34900	---	15600	-33400
22	26400	-17700	30400	-27700	42600	-29100	35600	-28900	38300	-23800	22700	-39800
23	20000	-31000	24500	-28400	35800	-41600	42500	-32500	31600	-29600	12300	-22500
24	31600	-25000	31100	-26100	50700	-36800	30500	-35500	24300	-23400	12500	-23900
25	21400	-5600	30800	-33600	47400	-37700	40400	-37500	22200	906	34900	-98300
26	32300	-27800	37600	-40600	43100	-33100	35800	-33000	16400	-13300	99000	-111000
27	35200	-28000	39000	-38800	39900	-35400	30800	-25000	16900	2110	62400	14600
28	38200	-17900	43300	-42000	32900	-28200	24400	-21500	20900	-20100	49800	3730
29	31800	-30800	44900	-46500	32600	-23000	22800	-20100	23800	-25300	48600	-549
30	31800	-26400	44900	-58500	23500	-13700	23400	-12000	19600	-25800	48100	4550
31	---	---	44200	-37600	---	---	39000	-24800	26100	-28900	---	---
MONTH	46900	-35700	44900	-58900	53400	-48400	49700	-69000	57500	---	99000	-111000

301141089320300 EAST PEARL RIVER AT CSX RAILROAD NEAR CLAIBORNE, MS-Continued

DISCHARGE, CUBIC FEET PER SECOND, OCTOBER TO NOVEMBER 2002

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	39200	3250	33400	200	---	---	---	---	---	---	---	---
2	28000	-28600	28100	1190	---	---	---	---	---	---	---	---
3	91200	-111000	27000	-13400	---	---	---	---	---	---	---	---
4	78800	39700	37200	-25400	---	---	---	---	---	---	---	---
5	42100	16700	53000	-28200	---	---	---	---	---	---	---	---
6	36600	13900	37400	365	---	---	---	---	---	---	---	---
7	38500	4690	32400	-6530	---	---	---	---	---	---	---	---
8	41300	-1820	31000	-11800	---	---	---	---	---	---	---	---
9	44700	-16000	41300	-14400	---	---	---	---	---	---	---	---
10	48600	-30800	42800	-21700	---	---	---	---	---	---	---	---
11	52000	-25700	34800	-16400	---	---	---	---	---	---	---	---
12	47700	-23400	37900	91	---	---	---	---	---	---	---	---
13	33600	-17000	29400	12800	---	---	---	---	---	---	---	---
14	41700	-30700	---	---	---	---	---	---	---	---	---	---
15	33700	-24300	---	---	---	---	---	---	---	---	---	---
16	30700	-3890	---	---	---	---	---	---	---	---	---	---
17	30800	-9950	---	---	---	---	---	---	---	---	---	---
18	17500	-30100	---	---	---	---	---	---	---	---	---	---
19	31800	-4460	---	---	---	---	---	---	---	---	---	---
20	22300	-15100	---	---	---	---	---	---	---	---	---	---
21	37400	-13700	---	---	---	---	---	---	---	---	---	---
22	34200	-12500	---	---	---	---	---	---	---	---	---	---
23	32800	-24600	---	---	---	---	---	---	---	---	---	---
24	44100	-35300	---	---	---	---	---	---	---	---	---	---
25	42200	-33800	---	---	---	---	---	---	---	---	---	---
26	47900	-31000	---	---	---	---	---	---	---	---	---	---
27	44600	-35800	---	---	---	---	---	---	---	---	---	---
28	41100	-31500	---	---	---	---	---	---	---	---	---	---
29	40200	-22700	---	---	---	---	---	---	---	---	---	---
30	27800	-17900	---	---	---	---	---	---	---	---	---	---
31	30100	10600	---	---	---	---	---	---	---	---	---	---
MONTH	91200	-111000	---	---	---	---	---	---	---	---	---	---

301141089320300 EAST PEARL RIVER AT CSX RAILROAD NEAR CLAIBORNE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: August 2001 to November 2002 (discontinued).
WATER TEMPERATURE: August 2001 to November 2002 (discontinued).

INSTRUMENTATION.--Water-quality monitor from August 2001 to November 2002.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 30,100 microsiemens, Aug. 5, 2002; minimum, 60 microsiemens, Apr. 15, 2002.
WATER TEMPERATURE: Maximum, 33.8°C, July 19, 2002; minimum, 6.0°C, Jan. 4, 2002.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, AUGUST TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	---	---	---	13900	3160	8110
2	---	---	---	---	---	---	---	---	---	8800	3320	5160
3	---	---	---	---	---	---	---	---	---	6070	2850	4000
4	---	---	---	---	---	---	---	---	---	6330	1980	3480
5	---	---	---	---	---	---	---	---	---	8060	1160	2780
6	---	---	---	---	---	---	---	---	---	3300	587	1270
7	---	---	---	---	---	---	---	---	---	3890	361	1130
8	---	---	---	---	---	---	---	---	---	4750	234	1260
9	---	---	---	---	---	---	---	---	---	13600	212	4550
10	---	---	---	---	---	---	---	---	---	7650	93	989
11	---	---	---	---	---	---	---	---	---	2490	84	270
12	---	---	---	---	---	---	---	---	---	11800	106	4430
13	---	---	---	---	---	---	---	---	---	19300	181	9110
14	---	---	---	---	---	---	---	---	---	18700	918	7360
15	---	---	---	---	---	---	---	---	---	13100	624	3650
16	---	---	---	---	---	---	---	---	---	8200	300	1570
17	---	---	---	---	---	---	---	---	---	561	128	364
18	---	---	---	---	---	---	---	---	---	2670	132	650
19	---	---	---	---	---	---	---	---	---	1100	144	374
20	---	---	---	---	---	---	---	---	---	6590	135	933
21	---	---	---	---	---	---	---	---	---	12600	1090	6110
22	---	---	---	---	---	---	---	---	---	12000	955	4450
23	---	---	---	---	---	---	396	115	195	12300	1260	5700
24	---	---	---	---	---	---	4830	190	1530	11500	1830	5890
25	---	---	---	---	---	---	6180	484	2410	13100	2620	8180
26	---	---	---	---	---	---	7130	617	3290	13500	3330	7840
27	---	---	---	---	---	---	8100	880	2790	12900	3330	7240
28	---	---	---	---	---	---	12900	1220	5850	13700	3480	7950
29	---	---	---	---	---	---	12700	1900	6740	15000	4560	9650
30	---	---	---	---	---	---	14800	2860	8720	12300	4680	7870
31	---	---	---	---	---	---	14400	3350	8260	---	---	---

301141089320300 EAST PEARL RIVER AT CSX RAILROAD NEAR CLAIBORNE, MS--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	5810	3170	4640	16500	3020	9130	15000	7250	10200	11300	489	3220
2	6930	3980	4960	18300	5520	12600	14100	5900	8660	10100	422	3220
3	9390	2970	5520	20600	6950	13200	12600	4380	7190	1070	423	715
4	13000	4660	9010	20400	6850	12500	12600	3220	7320	1340	551	1040
5	16500	5270	11500	20400	7680	13100	14900	2060	7620	13100	1260	5540
6	18300	7700	12300	17400	7100	10900	12600	1220	4740	13100	858	3870
7	18500	7960	13000	14800	6930	10300	10500	805	2930	2120	1030	1520
8	19400	9160	14600	14800	6920	10500	3450	588	1350	3070	669	1410
9	22700	13900	19700	13500	6220	9310	7320	593	1480	5950	470	1920
10	25900	13700	21600	12400	5830	8930	8200	642	2300	6820	632	2950
11	26400	12700	20800	12500	5730	8930	12100	1320	5060	8380	917	3630
12	27000	11500	21700	13100	4880	8950	13600	3100	7630	10500	1220	4150
13	26800	11200	21400	22200	6230	14100	15500	3060	8530	12100	1380	5190
14	17300	4680	8700	22600	10900	16500	15700	2950	7440	14700	1960	7080
15	---	4380	---	21500	9260	13200	14600	3660	8100	15100	2120	5110
16	---	---	---	18300	8980	11900	16900	2290	9050	10700	1860	4610
17	---	---	---	13500	7820	9700	18900	1190	8210	10700	1640	4460
18	---	---	---	12300	7360	9120	2250	713	1210	10000	1740	4350
19	---	---	---	13300	7260	9730	5600	381	1370	8440	1450	3850
20	---	---	---	12200	7090	9130	656	181	385	12600	1550	6150
21	---	1020	---	14000	7650	10600	3290	111	466	13000	2460	5780
22	11600	830	4750	17300	8630	12800	4030	167	879	17200	2140	9070
23	12400	1260	5830	19300	8000	13800	9840	272	3380	14700	2310	7440
24	12700	1030	5830	20300	9160	15800	272	142	190	12200	1510	5550
25	8370	938	3400	14100	7230	10100	259	116	174	12200	1670	3410
26	8680	1030	3710	14800	6340	10100	247	103	145	10200	710	2520
27	2130	1020	1430	16700	6360	11600	3500	118	483	13400	533	3760
28	6260	1650	3270	19600	12300	15700	7400	161	2040	14800	693	5030
29	3620	1580	2440	20800	10900	16900	8150	383	2910	14000	599	4500
30	4310	1510	2660	13900	7510	9530	9190	464	2930	14100	486	4230
31	10700	1570	4450	---	---	---	10900	434	3430	12100	301	3020

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1030	115	274	18400	1210	10600	5300	92	1210	4440	1630	2820
2	274	118	188	29000	4490	16400	5860	104	1810	4910	2200	3320
3	168	98	127	4820	1780	2490	3860	105	814	5760	2190	3850
4	154	97	133	2120	959	1720	175	103	143	5640	2260	3580
5	11900	93	2850	6070	915	2120	228	103	145	8360	2070	4620
6	15500	662	5910	7460	472	3260	221	99	176	11300	3050	6830
7	1600	268	484	10400	842	4640	2990	91	751	10300	3960	6670
8	637	104	234	15200	1350	6790	4120	185	2600	10400	4640	7070
9	6160	94	877	15200	2710	6560	4670	100	1080	6540	2420	4870
10	6340	119	962	7510	2260	3540	193	100	137	8620	2340	5450
11	207	90	113	9240	1880	5060	2040	94	536	14200	2760	8790
12	116	85	100	10000	2150	5050	3570	76	419	17200	5230	12600
13	162	86	111	4100	1460	1960	84	67	75	7870	4480	6080
14	179	88	108	5260	989	2700	83	61	72	17500	4250	9480
15	125	86	98	8700	722	3390	91	60	72	21400	6580	14000
16	126	89	103	4740	432	1070	156	63	85	22100	8920	15700
17	116	98	104	3750	270	937	1400	66	178	19500	7960	13000
18	9130	95	4500	8140	431	2490	464	70	125	14000	8170	10200
19	17000	539	6550	12700	373	4590	2830	82	348	14100	6730	10300
20	16900	1370	7180	14700	474	4770	364	86	164	11600	6670	9050
21	15800	1230	6980	2140	437	999	198	88	127	11700	6170	7950
22	8190	1770	3230	2700	234	543	3690	93	611	20500	5630	10400
23	7170	969	2270	5720	111	1410	3940	461	2790	20800	6800	13100
24	7700	806	2890	9820	149	2410	3400	376	1110	22700	9320	17500
25	8570	593	3340	12500	376	5190	613	283	383	23000	9360	17200
26	9950	490	2540	12100	219	2130	10200	318	5370	24300	9890	18000
27	832	231	407	360	136	238	12200	1920	8190	24500	10600	18200
28	5150	327	1740	558	99	158	6970	1800	3550	23600	12300	18500
29	---	---	---	114	90	101	7310	1880	3660	23900	14700	20100
30	---	---	---	1150	76	217	5940	2030	3380	24000	13600	19700
31	---	---	---	151	76	93	---	---	---	24800	14200	20300

301141089320300 EAST PEARL RIVER AT CSX RAILROAD NEAR CLAIBORNE, MS--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21500	12400	16300	15400	9060	11700	19000	5990	10400	25400	12700	20700
2	18100	10000	13500	12300	7620	9840	21600	6100	13600	26700	12300	20500
3	17200	8110	12800	11600	5310	7410	24900	8260	18800	26200	12400	20100
4	16500	8130	12600	11200	5390	7510	27800	15400	24200	26400	13100	20100
5	20700	9820	16400	13300	6000	8810	30100	10000	22500	24300	14600	18700
6	22700	7360	15500	15900	6250	11600	24400	7520	14300	25400	13000	20300
7	23500	8020	15100	16900	8350	12500	24500	6510	13400	27200	20400	24300
8	22800	9460	16400	21300	8840	15800	25200	4700	15100	27900	19900	23800
9	25500	10400	20900	22000	9920	15500	26800	4300	14200	26100	11200	18400
10	26100	16800	22700	23700	9850	17600	29300	2260	14100	19200	8100	11700
11	26000	15200	21100	24100	12100	18500	28200	5040	15200	18700	8080	12100
12	25000	14300	19400	23600	12200	18500	14500	2130	5260	19300	7900	14300
13	22400	13200	17200	21100	13400	17100	8870	2190	3720	22500	13700	19100
14	17400	12400	14300	14000	8410	11900	11600	2630	5720	26500	15700	22000
15	20100	11000	15000	11400	8410	9760	18900	5410	11600	20000	11600	15800
16	17000	11500	13700	12700	6690	9900	20000	5180	13400	17200	9910	13200
17	22100	11100	16800	12500	6000	8490	20100	5060	12700	17700	9910	13100
18	22300	13500	18900	14800	6530	10000	19800	5370	11700	15100	9250	12200
19	21200	14000	18000	14600	6360	9940	17400	5380	10700	16100	9880	12600
20	23000	11200	17100	18300	7280	11800	18900	5780	12300	18900	11800	16000
21	24200	11300	18400	15000	7860	11400	18600	6040	11000	19800	11900	16000
22	25100	12200	19900	20100	8410	13300	17000	6320	10500	21500	13200	18000
23	25100	15000	20200	18700	8720	12500	16900	5680	10600	23800	19500	21500
24	25300	15300	20400	19200	8580	13300	14800	5650	9350	23600	19800	21700
25	24600	15300	19700	19700	9190	14000	8520	4530	6240	27100	20700	23600
26	21000	14900	17600	20000	9760	14100	11900	4190	7420	29400	17700	24900
27	19700	13200	15900	19600	9240	13400	8420	3800	5610	17800	5380	10900
28	19100	11200	14600	15300	9370	11500	12000	4010	7600	13000	2260	4760
29	18300	10900	13900	12600	7280	9880	14600	5120	9880	9430	867	2350
30	17900	10600	12700	14000	5820	8820	16600	8790	13500	4950	281	900
31	---	---	---	16100	5690	9450	19500	9910	15700	---	---	---

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, OCTOBER TO NOVEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	1350	166	348	156	88	121	---	---	---	---	---	---
2	12000	207	4770	151	89	116	---	---	---	---	---	---
3	20600	6210	15800	716	80	145	---	---	---	---	---	---
4	6210	1340	2290	4310	75	349	---	---	---	---	---	---
5	1410	325	691	5070	90	1410	---	---	---	---	---	---
6	652	176	363	141	91	110	---	---	---	---	---	---
7	244	128	175	414	84	123	---	---	---	---	---	---
8	193	113	141	283	84	116	---	---	---	---	---	---
9	3930	129	421	4600	79	717	---	---	---	---	---	---
10	7300	129	2350	4060	79	935	---	---	---	---	---	---
11	7290	137	1530	641	71	163	---	---	---	---	---	---
12	6280	157	1640	98	67	77	---	---	---	---	---	---
13	4780	153	910	74	62	68	---	---	---	---	---	---
14	5920	188	2080	---	---	---	---	---	---	---	---	---
15	5360	173	1730	---	---	---	---	---	---	---	---	---
16	591	160	262	---	---	---	---	---	---	---	---	---
17	1370	151	378	---	---	---	---	---	---	---	---	---
18	4680	182	1840	---	---	---	---	---	---	---	---	---
19	1070	194	378	---	---	---	---	---	---	---	---	---
20	1320	156	326	---	---	---	---	---	---	---	---	---
21	3400	259	1150	---	---	---	---	---	---	---	---	---
22	4050	508	1610	---	---	---	---	---	---	---	---	---
23	5350	550	2300	---	---	---	---	---	---	---	---	---
24	7600	912	3750	---	---	---	---	---	---	---	---	---
25	8210	1200	4300	---	---	---	---	---	---	---	---	---
26	7540	753	3660	---	---	---	---	---	---	---	---	---
27	8220	1080	3930	---	---	---	---	---	---	---	---	---
28	7740	611	3320	---	---	---	---	---	---	---	---	---
29	5350	280	1770	---	---	---	---	---	---	---	---	---
30	949	146	373	---	---	---	---	---	---	---	---	---
31	1850	106	357	---	---	---	---	---	---	---	---	---

301141089320300 EAST PEARL RIVER AT CSX RAILROAD NEAR CLAIBORNE, MS--Continued

WATER TEMPERATURE, DEGREES CELSIUS, AUGUST TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	29.1
2	---	---	---	---	---	---	---	---	---	---	---	28.5
3	---	---	---	---	---	---	---	---	---	---	---	28.1
4	---	---	---	---	---	---	---	---	---	---	---	28.4
5	---	---	---	---	---	---	---	---	---	---	---	28.4
6	---	---	---	---	---	---	---	---	---	---	---	28.1
7	---	---	---	---	---	---	---	---	---	---	---	27.8
8	---	---	---	---	---	---	---	---	---	---	---	27.2
9	---	---	---	---	---	---	---	---	---	---	---	27.1
10	---	---	---	---	---	---	---	---	---	---	---	26.2
11	---	---	---	---	---	---	---	---	---	---	---	26.2
12	---	---	---	---	---	---	---	---	---	---	---	27.4
13	---	---	---	---	---	---	---	---	---	---	---	27.6
14	---	---	---	---	---	---	---	---	---	---	---	27.2
15	---	---	---	---	---	---	---	---	---	---	---	26.8
16	---	---	---	---	---	---	---	---	---	---	---	26.7
17	---	---	---	---	---	---	---	---	---	---	---	26.6
18	---	---	---	---	---	---	---	---	---	---	---	26.9
19	---	---	---	---	---	---	---	---	---	---	---	26.7
20	---	---	---	---	---	---	---	---	---	---	---	27.1
21	---	---	---	---	---	---	---	---	---	---	---	27.6
22	---	---	---	---	---	---	---	---	---	---	---	27.5
23	---	---	---	---	---	---	---	---	---	---	28.2	27.5
24	---	---	---	---	---	---	---	---	---	---	28.9	27.4
25	---	---	---	---	---	---	---	---	---	---	29.2	26.3
26	---	---	---	---	---	---	---	---	---	---	29.4	25.1
27	---	---	---	---	---	---	---	---	---	---	29.5	24.3
28	---	---	---	---	---	---	---	---	---	---	29.6	23.8
29	---	---	---	---	---	---	---	---	---	---	29.2	23.6
30	---	---	---	---	---	---	---	---	---	---	29.1	23.5
31	---	---	---	---	---	---	---	---	---	---	29.3	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.0	18.6	18.4	9.3	17.4	11.6	19.9	26.6	27.4	29.8	29.6	29.5
2	23.1	19.2	18.1	8.1	15.9	12.0	20.4	27.0	28.2	30.1	29.8	29.1
3	23.4	19.6	17.9	7.3	14.6	11.8	21.0	27.4	29.1	30.4	30.0	28.5
4	23.6	19.9	18.1	7.0	13.7	10.4	20.0	27.9	29.2	30.3	29.5	28.3
5	24.1	19.4	18.2	7.2	12.7	10.2	19.2	28.4	29.5	30.1	28.4	28.6
6	24.1	19.2	18.3	7.7	11.5	10.6	18.7	28.4	29.8	30.5	28.3	28.5
7	22.8	19.3	18.4	7.4	10.5	11.8	18.8	28.4	30.2	30.7	28.8	27.8
8	22.3	19.7	18.4	7.6	10.4	13.0	19.6	28.7	30.3	30.2	29.3	27.6
9	22.3	19.9	17.9	8.2	10.8	14.0	19.1	28.8	29.8	30.1	28.4	27.8
10	22.7	19.8	17.4	8.7	11.6	13.3	19.3	28.8	29.2	30.4	28.0	28.0
11	23.2	19.9	17.1	9.5	11.9	13.5	19.8	28.7	29.4	30.7	27.7	28.9
12	23.8	19.9	17.3	9.8	11.7	14.3	19.9	28.5	29.8	30.9	27.3	29.0
13	24.1	19.9	18.0	9.8	11.8	14.7	19.9	28.2	30.4	30.6	27.7	29.0
14	23.4	19.5	18.1	10.3	11.8	15.4	19.8	26.0	30.4	29.6	28.2	28.7
15	---	19.2	17.6	10.6	11.7	16.4	20.5	25.2	29.7	29.8	28.8	29.4
16	---	19.0	18.3	10.8	12.5	17.7	21.1	25.3	28.9	30.3	29.3	29.8
17	---	18.7	18.8	11.1	13.0	19.6	22.0	26.2	28.2	31.2	29.8	29.8
18	---	18.5	18.3	12.0	13.7	21.0	22.6	25.5	27.9	31.7	30.3	29.9
19	---	18.9	17.4	13.1	14.1	21.7	23.5	23.4	28.2	31.9	30.2	29.7
20	---	18.8	16.1	12.2	15.1	21.9	24.1	22.7	28.5	32.1	30.2	29.7
21	---	17.8	15.0	12.6	15.4	21.4	24.3	22.8	28.8	31.6	---	29.8
22	20.5	17.3	14.3	13.2	14.9	19.4	24.7	22.8	28.2	30.9	29.2	29.5
23	21.3	18.1	15.0	14.4	14.1	18.1	25.2	22.8	27.6	30.5	29.7	28.6
24	22.3	19.1	14.1	15.5	14.1	17.7	24.9	23.5	28.1	30.8	30.3	27.4
25	22.4	19.4	12.8	15.6	14.7	18.4	24.8	24.6	28.4	30.2	30.2	25.8
26	21.5	19.6	11.6	15.2	14.6	18.5	25.2	25.5	28.5	29.9	30.3	25.4
27	19.8	20.2	10.6	14.8	13.0	18.3	25.9	26.1	28.1	30.1	30.1	25.1
28	18.6	20.7	10.9	14.8	12.2	18.1	26.2	26.5	28.1	30.4	30.2	25.0
29	18.4	20.7	11.1	15.5	---	18.7	26.8	26.7	28.7	30.4	30.0	24.7
30	17.8	19.0	11.0	16.5	---	19.3	27.0	26.4	29.1	30.0	29.9	24.3
31	18.0	---	10.4	17.3	---	19.5	---	26.4	---	29.5	29.8	---

301141089320300 EAST PEARL RIVER AT CSX RAILROAD NEAR CLAIBORNE, MS--Continued

WATER TEMPERATURE, DEGREES CELSIUS, OCTOBER TO NOVEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.3	21.1	---	---	---	---	---	---	---	---	---	---
2	25.6	19.6	---	---	---	---	---	---	---	---	---	---
3	26.8	18.6	---	---	---	---	---	---	---	---	---	---
4	25.4	18.5	---	---	---	---	---	---	---	---	---	---
5	25.8	19.0	---	---	---	---	---	---	---	---	---	---
6	25.8	18.6	---	---	---	---	---	---	---	---	---	---
7	25.6	17.9	---	---	---	---	---	---	---	---	---	---
8	25.3	17.4	---	---	---	---	---	---	---	---	---	---
9	25.2	17.3	---	---	---	---	---	---	---	---	---	---
10	25.5	18.2	---	---	---	---	---	---	---	---	---	---
11	25.4	18.9	---	---	---	---	---	---	---	---	---	---
12	25.6	18.7	---	---	---	---	---	---	---	---	---	---
13	25.2	17.6	---	---	---	---	---	---	---	---	---	---
14	24.1	---	---	---	---	---	---	---	---	---	---	---
15	23.2	---	---	---	---	---	---	---	---	---	---	---
16	22.2	---	---	---	---	---	---	---	---	---	---	---
17	21.9	---	---	---	---	---	---	---	---	---	---	---
18	21.7	---	---	---	---	---	---	---	---	---	---	---
19	21.3	---	---	---	---	---	---	---	---	---	---	---
20	21.8	---	---	---	---	---	---	---	---	---	---	---
21	22.1	---	---	---	---	---	---	---	---	---	---	---
22	22.2	---	---	---	---	---	---	---	---	---	---	---
23	22.3	---	---	---	---	---	---	---	---	---	---	---
24	22.4	---	---	---	---	---	---	---	---	---	---	---
25	22.5	---	---	---	---	---	---	---	---	---	---	---
26	22.6	---	---	---	---	---	---	---	---	---	---	---
27	22.7	---	---	---	---	---	---	---	---	---	---	---
28	23.1	---	---	---	---	---	---	---	---	---	---	---
29	23.0	---	---	---	---	---	---	---	---	---	---	---
30	22.7	---	---	---	---	---	---	---	---	---	---	---
31	22.1	---	---	---	---	---	---	---	---	---	---	---

301058089313900 USCG PEARL RIVER ENTRANCE CHANNEL LIGHT 7A

LOCATION.--Lat 30°10'58", long 89°31'39", St. Stevens Meridian, Hancock County, Hydrologic Unit 03180004, on the USCG Pearl River Entrance Channel Light 7A platform, near the mouth of the Pearl River.

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

PERIOD OF RECORD.--Water year 2000.

PERIOD OF DAILY RECORD.--
GAGE HEIGHT: July 2000 to current year.
SPECIFIC CONDUCTANCE: July 2000 to current year.
WATER TEMPERATURE: July 2000 to current year.

INSTRUMENTATION.--Submersible transducer and data-collection platform since July 2000. Datum of gage is NGVD of 1929. Water-quality monitor since July 2000.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--
GAGE HEIGHT: Maximum recorded, 8.49 ft, Sept. 26, 2002, but may have been higher during periods of instrument malfunction; minimum recorded, -2.28 ft, June 15, 2002, but may have been lower during periods of instrument malfunction.
SPECIFIC CONDUCTANCE: Maximum recorded, 43,600 microsiemens, Sept. 7, 2000, but may have been higher during periods of instrument malfunction; minimum recorded, 58 microsiemens, Mar. 17, 2001, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 32.9°C, July 17, 19, 2002, but may have been higher during periods of instrument malfunction; minimum recorded, 5.1°C, Jan. 4, 2001, but may have been lower during periods of instrument malfunction.

EXTREMES FOR CURRENT YEAR.--
GAGE HEIGHT: Maximum recorded, 8.49 ft, Sept. 26, but may have been higher during periods of instrument malfunction; minimum recorded, -2.28 ft, June 15, but may have been lower during periods of instrument malfunction.
SPECIFIC CONDUCTANCE: Maximum recorded, 32,400 microsiemens, Sept. 26, but may have been higher during periods of instrument malfunction; minimum recorded, 131 microsiemens, Apr. 15, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 32.9°C, July 17, 19, but may have been higher during periods of instrument malfunction; minimum recorded, 6.8°C, Jan. 4, but may have been lower during periods of instrument malfunction.

GAGE HEIGHT, FEET, JULY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	1.98	0.14	1.06	1.76	0.68	1.14
2	---	---	---	---	---	---	1.86	0.21	1.09	1.51	0.68	1.10
3	---	---	---	---	---	---	1.48	0.50	0.99	1.67	0.99	1.34
4	---	---	---	---	---	---	1.23	0.40	0.91	1.76	0.80	1.26
5	---	---	---	---	---	---	0.85	0.43	0.68	1.78	0.72	1.30
6	---	---	---	---	---	---	1.20	0.56	0.86	2.17	1.28	1.85
7	---	---	---	---	---	---	1.57	0.61	1.10	3.21	1.87	2.51
8	---	---	---	---	---	---	1.63	0.44	1.07	2.84	1.40	2.13
9	---	---	---	---	---	---	1.52	0.14	0.88	2.51	1.17	1.90
10	---	---	---	---	---	---	1.36	0.11	0.89	2.29	1.13	1.76
11	---	---	---	---	---	---	2.00	0.23	1.07	2.48	1.24	1.89
12	---	---	---	1.18	-0.16	0.62	1.63	0.30	1.01	2.16	0.98	1.71
13	---	---	---	0.96	-0.27	0.42	1.92	0.31	1.19	1.98	1.00	1.47
14	---	---	---	1.05	-0.54	0.27	1.94	0.35	1.18	1.85	0.97	1.47
15	---	---	---	---	-0.54	0.64	1.49	0.01	0.85	1.90	0.97	1.38
16	---	---	---	1.52	-0.25	0.68	1.34	-0.05	0.63	2.09	1.39	1.84
17	---	---	---	1.27	-0.33	0.53	1.36	0.11	0.73	2.20	1.55	1.92
18	---	---	---	1.32	-0.15	0.62	1.31	0.30	0.84	2.55	1.21	1.76
19	---	---	---	1.21	-0.19	0.50	0.87	0.27	0.56	1.67	0.75	1.26
20	---	---	---	1.20	-0.20	0.48	0.97	0.34	0.56	2.04	0.77	1.46
21	---	---	---	1.27	-0.09	0.57	1.26	0.41	0.94	2.26	1.05	1.69
22	---	---	---	1.22	0.24	0.85	1.70	1.01	1.37	2.78	0.84	1.92
23	---	---	---	0.67	0.33	0.52	2.12	0.68	1.42	2.17	0.46	1.37
24	---	---	---	1.08	0.29	0.66	1.99	0.50	1.30	1.92	0.47	1.25
25	---	---	---	1.43	0.29	0.88	1.90	0.23	1.16	1.33	-0.17	0.76
26	---	---	---	1.58	0.18	0.99	1.70	0.16	0.99	1.45	-0.17	0.77
27	---	---	---	1.80	0.18	1.07	1.88	0.23	1.06	1.38	0.56	1.00
28	---	---	---	1.87	0.08	1.09	1.71	0.14	0.98	1.51	0.94	1.23
29	---	---	---	1.85	0.06	1.00	1.26	0.07	0.66	1.82	1.10	1.52
30	---	---	---	1.86	-0.08	0.90	1.92	0.04	1.07	1.96	1.31	1.61
31	---	---	---	1.94	-0.07	0.96	1.69	0.74	1.18	---	---	---

301058089313900 USCG PEARL RIVER ENTRANCE CHANNEL LIGHT 7A--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	2.09	1.31	1.65	2.03	0.63	1.36	1.51	0.22	0.88	0.44	-0.36	0.06
2	1.98	0.94	1.46	2.19	0.81	1.46	1.53	-0.23	0.48	0.33	0.07	0.21
3	2.00	0.87	1.44	2.05	0.68	1.36	1.02	0.02	0.37	0.26	-0.10	0.07
4	2.14	0.95	1.52	1.75	0.56	1.19	1.22	0.35	0.76	0.63	-0.69	-0.03
5	1.91	0.63	1.32	1.76	0.61	1.23	0.89	0.12	0.52	0.64	-0.75	-0.08
6	2.00	0.49	1.28	2.46	1.68	2.08	1.19	0.44	0.79	1.09	-0.98	0.06
7	1.70	0.40	1.09	2.15	1.45	1.74	1.30	0.33	0.87	1.50	-0.73	0.38
8	1.11	0.12	0.69	2.87	2.08	2.38	1.58	0.31	0.97	1.33	-0.82	0.19
9	1.79	0.20	1.01	2.81	0.98	1.57	1.81	0.11	0.93	1.01	-0.87	-0.08
10	1.45	0.23	0.84	1.90	1.05	1.49	1.84	-0.07	0.91	1.28	-0.64	0.29
11	1.20	0.34	0.75	1.92	0.83	1.40	2.10	0.03	1.02	1.59	-0.08	0.79
12	1.48	0.68	1.11	2.21	0.60	1.36	2.10	-0.08	0.83	1.16	-0.39	0.29
13	1.66	0.70	1.21	2.21	0.58	1.34	2.14	0.54	1.43	1.28	-0.12	0.65
14	1.79	0.81	1.36	1.93	0.14	0.85	2.22	-0.06	0.89	1.34	0.05	0.66
15	1.96	0.79	1.43	1.78	0.21	1.05	1.82	0.21	1.00	0.81	0.26	0.57
16	2.05	0.60	1.33	2.06	0.54	1.27	1.83	-0.20	0.88	1.48	0.51	0.95
17	2.13	0.49	1.31	2.02	0.37	1.17	0.20	-1.16	-0.63	1.55	---	1.24
18	1.88	0.35	1.13	2.63	1.49	1.87	0.67	0.06	0.41	1.66	0.14	0.93
19	1.95	0.31	1.17	2.88	1.05	1.90	0.27	-1.47	-0.85	1.49	0.01	0.47
20	1.94	0.47	1.26	1.37	0.27	0.79	0.66	-0.81	-0.14	0.21	-0.92	-0.34
21	1.85	0.94	1.45	0.62	-0.10	0.23	0.73	0.28	0.51	0.58	-0.65	-0.07
22	2.27	1.45	1.88	0.84	-0.17	0.34	1.09	-0.52	0.26	0.71	-0.81	-0.10
23	2.12	1.35	1.80	1.72	-0.07	0.77	1.33	-0.04	0.66	0.71	-0.82	-0.14
24	2.21	1.40	1.70	2.26	1.01	1.70	1.32	-0.27	0.49	0.53	-0.85	-0.15
25	1.93	1.04	1.55	1.98	0.27	1.04	1.52	-0.09	0.64	0.69	-1.02	-0.24
26	2.02	1.09	1.63	1.98	0.17	0.94	1.97	0.69	1.22	0.83	-0.45	0.21
27	2.02	1.03	1.58	1.71	-0.11	0.72	2.10	0.39	1.21	1.03	-0.40	0.35
28	2.12	0.69	1.36	1.63	-0.14	0.73	2.14	-0.68	0.48	1.23	0.04	0.69
29	2.14	0.75	1.42	1.67	-0.07	0.73	0.95	-0.53	0.09	1.40	0.61	1.15
30	2.08	0.62	1.33	1.37	0.11	0.70	0.03	-1.02	-0.56	0.99	0.27	0.72
31	2.06	0.55	1.30	---	---	---	0.38	-0.56	-0.09	1.07	0.19	0.72
		FEBRUARY			MARCH			APRIL			MAY	
1	1.22	-0.15	0.58	1.56	0.15	0.91	1.78	0.07	0.89	2.36	0.84	1.67
2	0.65	-0.40	0.09	1.60	0.23	0.93	2.04	-0.03	1.05	2.20	0.90	1.66
3	0.88	-0.52	0.19	2.30	0.07	1.17	1.93	0.40	1.26	2.04	1.13	1.67
4	0.94	-0.81	0.05	1.05	-0.66	0.14	2.02	0.43	1.22	1.88	1.03	1.42
5	0.88	-1.00	-0.05	0.44	-0.86	-0.07	1.95	0.65	1.33	1.78	0.86	1.41
6	1.31	-0.93	0.13	0.74	-1.19	-0.21	2.00	0.94	1.50	1.94	0.68	1.44
7	1.50	-0.62	0.40	0.97	-0.70	0.09	1.87	1.04	1.47	1.93	0.66	1.37
8	1.64	-0.37	0.58	1.33	-0.61	0.34	1.69	0.77	1.32	2.42	0.67	1.55
9	1.80	0.10	0.84	1.43	0.04	0.71	1.67	0.49	1.23	2.32	0.57	1.46
10	1.24	-0.08	0.39	1.40	0.90	1.13	1.92	0.49	1.31	2.30	0.39	1.40
11	0.94	0.05	0.50	1.91	1.03	1.55	2.43	0.68	1.65	2.32	0.64	1.45
12	0.91	0.39	0.66	---	1.25	---	2.27	0.85	1.53	2.10	0.45	1.27
13	1.15	0.38	0.75	1.68	0.31	1.22	1.97	0.62	1.24	1.97	0.36	1.14
14	1.17	0.13	0.60	3.07	0.25	1.62	1.99	0.10	1.01	1.73	0.40	1.10
15	1.32	-0.12	0.58	3.33	1.12	1.98	1.20	0.37	0.82	1.61	0.25	0.89
16	1.25	-0.18	0.43	1.61	0.06	0.83	1.85	0.22	1.01	1.31	0.10	0.72
17	0.88	-1.09	-0.11	1.77	0.22	1.06	1.08	0.05	0.61	1.17	0.14	0.71
18	1.03	-0.36	0.31	1.88	0.57	1.26	1.45	0.53	0.87	1.17	0.42	0.80
19	1.52	-0.19	0.62	1.97	0.79	1.36	1.23	0.01	0.67	0.98	0.02	0.59
20	1.47	-0.30	0.55	1.49	-0.31	0.22	1.71	0.69	1.20	1.27	-0.03	0.51
21	1.61	-0.02	0.79	0.89	-0.78	0.00	1.98	1.43	1.73	1.47	0.03	0.79
22	1.61	0.05	0.74	0.89	-0.17	0.37	2.04	1.49	1.81	1.41	-0.17	0.74
23	1.94	0.45	1.05	1.02	-0.16	0.49	2.24	1.01	1.78	2.01	-0.12	1.03
24	2.08	1.16	1.65	1.06	0.32	0.75	1.83	0.44	1.27	1.70	-0.14	0.81
25	1.91	0.61	1.04	1.15	0.32	0.79	1.84	0.44	1.25	1.83	-0.15	0.80
26	1.41	0.30	0.83	1.58	0.23	0.95	2.17	0.33	1.28	2.04	-0.20	1.03
27	0.90	0.30	0.56	1.68	0.36	1.08	1.97	0.08	0.98	1.91	-0.14	0.88
28	1.23	0.21	0.84	3.07	0.49	1.80	2.21	0.03	1.14	1.69	-0.04	0.83
29	---	---	---	2.96	1.09	2.07	2.11	0.18	1.20	1.36	-0.21	0.60
30	---	---	---	1.79	0.43	1.22	2.78	0.68	1.75	1.18	-0.07	0.63
31	---	---	---	2.00	0.28	1.08	---	---	---	1.19	0.23	0.67

301058089313900 USCG PEARL RIVER ENTRANCE CHANNEL LIGHT 7A--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	1.03	0.05	0.57	1.85	0.49	1.24	2.07	0.09	1.31	2.01	0.61	1.27
2	---	0.37	---	2.09	0.53	1.35	2.67	1.03	1.96	2.01	0.69	1.41
3	---	---	---	2.00	0.33	1.26	3.13	1.07	2.31	2.25	0.83	1.47
4	1.78	0.02	1.13	2.04	-0.14	1.00	3.06	1.47	2.30	2.06	0.82	1.44
5	2.43	0.02	1.50	1.74	-0.22	0.70	3.09	1.56	2.37	1.80	0.85	1.43
6	2.78	0.72	1.86	1.53	-0.31	0.66	2.93	1.35	2.23	1.77	1.12	1.46
7	2.54	0.61	1.55	1.46	-0.35	0.61	2.02	0.70	1.48	2.17	1.35	1.71
8	2.07	0.34	1.16	1.21	-0.42	0.36	1.80	0.67	1.18	2.26	0.93	1.65
9	1.74	0.20	1.01	0.91	-0.56	0.13	1.32	0.79	1.14	2.63	0.99	1.76
10	1.57	0.18	1.03	0.56	-0.78	-0.11	1.05	0.77	0.89	2.43	0.77	1.60
11	3.00	0.41	1.24	---	---	---	1.87	-0.03	0.88	2.25	0.72	1.55
12	1.93	0.21	1.14	---	---	---	1.73	0.27	0.90	2.83	1.69	2.30
13	1.64	0.46	1.07	---	---	---	1.68	0.09	0.92	3.53	1.71	2.70
14	1.67	0.67	1.15	---	---	---	2.00	0.14	1.09	3.42	1.21	2.42
15	0.85	0.39	0.72	---	---	---	2.27	0.29	1.33	2.91	0.79	1.98
16	1.14	0.04	0.47	---	---	---	2.33	0.32	1.45	2.43	0.79	1.64
17	1.41	-0.02	0.71	---	---	---	2.06	0.27	1.29	2.15	1.03	1.67
18	1.79	0.17	1.10	2.28	0.36	1.45	2.11	0.27	1.22	1.78	1.10	1.37
19	1.92	0.05	1.13	2.23	0.11	1.31	2.27	0.40	1.53	1.47	0.91	1.22
20	1.85	-0.06	0.97	2.01	-0.14	1.06	2.28	0.74	1.53	1.91	0.44	1.15
21	1.86	-0.19	0.93	2.11	-0.17	0.99	1.92	0.74	1.49	2.28	0.84	1.49
22	1.54	-0.28	0.69	2.58	0.02	1.47	1.90	0.87	1.60	2.07	0.74	1.35
23	2.11	-0.34	1.00	2.56	0.43	1.60	1.71	1.11	1.46	2.09	0.49	1.27
24	2.09	-0.02	1.09	2.50	0.72	1.73	2.00	0.82	1.39	2.07	0.42	1.24
25	1.76	-0.03	0.90	2.23	1.10	1.60	1.94	0.54	1.29	2.14	0.40	1.37
26	1.81	0.11	0.96	1.93	0.87	1.26	2.00	0.46	1.24	2.00	0.51	1.35
27	1.61	0.22	0.90	1.96	0.76	1.32	1.88	0.24	1.16	1.88	0.50	1.27
28	1.29	0.36	0.87	1.83	0.37	1.12	2.08	0.14	1.15	2.00	0.56	1.36
29	1.38	0.53	0.96	1.60	-0.04	0.88	2.08	0.29	1.27	2.20	0.75	1.55
30	2.06	0.63	1.21	1.55	-0.07	0.79	2.15	0.63	1.47	1.96	0.77	1.47
31	---	---	---	1.52	-0.11	0.75	2.21	0.65	1.50	---	---	---

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	1.36	0.64	1.05	1.97	0.46	1.21	0.81	-1.15	-0.22	0.67	---	---
2	1.41	0.78	1.10	1.98	0.47	1.27	0.64	-1.38	-0.40	0.64	---	---
3	1.61	0.64	1.15	1.99	0.56	1.27	0.45	-1.37	-0.41	-0.09	---	---
4	1.84	0.85	1.43	1.99	0.26	1.05	0.54	-1.43	-0.40	-0.64	---	---
5	2.22	0.90	1.60	1.86	0.27	1.07	0.70	-1.21	-0.25	1.64	---	---
6	2.31	0.72	1.40	1.64	-0.15	0.76	0.43	-1.27	-0.44	0.89	---	---
7	2.44	0.82	1.60	1.53	-0.15	0.70	0.35	-1.24	-0.55	-0.96	---	---
8	2.32	1.30	1.84	1.51	-0.12	0.74	0.03	-0.92	-0.39	-0.70	---	---
9	2.86	1.79	2.36	1.27	-0.26	0.53	0.03	-0.85	-0.54	-0.19	---	---
10	3.19	1.59	2.42	1.04	-0.30	0.45	0.04	-0.74	-0.44	0.29	---	---
11	3.18	1.55	2.38	0.89	0.31	0.60	0.58	-1.13	-0.34	0.35	---	---
12	3.32	1.24	2.44	0.82	0.05	0.53	0.57	-0.94	-0.13	0.41	---	---
13	3.89	1.77	2.80	1.52	-0.12	0.86	1.03	-1.33	-0.19	0.61	---	---
14	2.05	1.26	1.62	1.45	0.28	0.87	0.83	-1.36	-0.26	0.61	---	---
15	2.66	1.43	2.08	1.23	-0.15	0.53	1.01	-1.03	-0.07	---	---	---
16	1.50	0.40	0.96	1.21	-0.60	0.18	1.17	-1.09	-0.03	0.20	---	---
17	1.50	0.98	1.23	0.88	-0.86	-0.05	1.20	-1.20	-0.24	0.13	---	---
18	1.96	0.62	1.25	0.86	---	---	0.24	-1.24	-0.63	0.19	---	---
19	2.06	0.31	1.21	0.94	-0.81	0.01	0.36	---	---	-0.06	---	---
20	2.17	0.39	1.25	0.71	-0.84	-0.14	-0.32	---	---	0.22	---	---
21	2.23	0.52	1.36	0.83	-0.66	0.16	0.00	-1.00	-0.41	0.21	-0.84	-0.39
22	2.11	0.50	1.29	0.90	-0.26	0.36	0.73	-0.52	-0.05	0.53	-0.94	-0.11
23	2.24	0.75	1.51	1.20	-0.41	0.42	0.84	-0.43	0.06	0.56	-0.87	-0.11
24	2.25	0.72	1.49	1.22	0.00	0.63	-0.15	-0.54	0.32	0.81	-0.92	0.05
25	1.80	0.71	1.36	0.32	-0.19	0.06	-0.01	-0.82	-0.34	0.41	-0.82	-0.13
26	1.69	0.46	1.21	0.46	-0.12	0.12	-0.26	-1.16	-0.74	0.64	-0.81	-0.02
27	0.89	0.04	0.58	1.05	-0.46	0.31	-0.02	---	---	1.03	-0.91	0.08
28	1.42	0.34	0.91	1.34	-0.14	0.59	0.70	---	---	1.03	-0.80	0.23
29	1.30	0.79	0.97	1.34	0.02	0.63	0.63	---	---	1.01	-0.85	0.19
30	1.30	0.47	1.00	0.87	-1.11	-0.19	0.68	-1.09	-0.27	1.01	-0.81	0.09
31	1.59	0.40	1.05	---	---	---	0.68	-1.10	-0.10	0.98	-0.54	0.22

301058089313900 USCG PEARL RIVER ENTRANCE CHANNEL LIGHT 7A--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	0.78	-0.92	-0.43	1.91	0.21	1.00	1.91	-0.10	0.97	---	---	---
2	-0.28	-0.75	-0.44	2.78	0.37	1.61	2.12	-0.04	1.10	---	---	---
3	-0.23	-0.87	-0.42	0.37	-0.68	-0.15	1.94	0.16	0.98	---	---	---
4	-0.03	-0.92	-0.50	-0.07	-0.71	-0.39	1.53	0.10	0.78	---	---	---
5	1.62	-0.91	0.14	0.27	-0.61	-0.10	1.33	-0.01	0.59	---	---	---
6	1.68	0.19	0.81	0.66	-0.68	0.05	1.48	0.05	0.79	---	---	---
7	0.46	-0.94	-0.30	0.95	-0.65	0.14	2.25	-0.01	1.07	---	---	---
8	0.41	-0.94	-0.31	1.27	-0.65	0.32	2.60	1.14	1.91	---	---	---
9	0.74	-0.85	-0.17	1.05	-0.48	0.27	2.67	1.62	2.00	---	---	---
10	0.72	-0.90	-0.28	0.67	-0.60	0.05	1.73	0.91	1.38	0.56	-0.37	0.20
11	-0.11	-0.92	-0.58	1.04	-0.25	0.34	2.33	1.26	1.61	0.84	-0.50	0.31
12	0.11	-0.89	-0.46	1.10	-0.16	0.45	2.30	1.33	1.83	1.14	-0.50	0.45
13	0.11	-0.95	-0.39	0.79	-0.34	0.17	2.10	1.03	1.78	0.64	-1.41	-0.10
14	0.12	-0.93	-0.45	0.90	-0.12	0.42	2.01	0.62	1.54	1.18	-1.47	-0.01
15	0.03	-0.82	-0.30	1.02	0.33	0.66	1.95	0.54	1.24	1.28	-0.94	0.30
16	-0.04	-0.90	-0.50	0.91	0.24	0.61	2.09	0.46	1.31	1.03	-0.68	0.19
17	-0.28	-0.93	-0.68	1.05	-0.01	0.55	2.13	0.41	1.20	0.95	-0.86	-0.04
18	0.70	-0.94	0.11	1.23	0.03	0.69	1.98	0.13	1.01	0.17	-1.14	-0.54
19	1.55	-0.10	0.53	1.65	-0.02	0.84	1.95	0.08	0.97	0.56	-1.06	-0.20
20	1.13	-0.15	0.59	1.77	0.13	0.99	1.75	0.05	0.88	0.33	-0.80	-0.26
21	1.14	-0.53	0.33	1.15	-0.16	0.50	1.62	0.06	0.86	0.14	-0.95	-0.45
22	0.65	-0.94	-0.17	1.11	-0.31	0.45	1.52	0.08	0.76	0.19	-0.88	-0.38
23	0.63	-0.91	-0.15	1.39	-0.33	0.57	1.83	0.64	1.31	0.25	-0.76	-0.37
24	0.74	-0.90	-0.12	1.82	-0.28	0.72	1.57	0.42	1.09	0.30	-0.96	-0.25
25	1.09	-0.88	0.01	1.81	0.04	1.08	1.27	0.55	0.91	0.50	-1.11	-0.16
26	1.09	-0.86	-0.23	1.68	0.14	0.83	1.03	---	---	0.66	-1.29	-0.20
27	0.07	-0.82	-0.38	1.00	0.04	0.55	---	---	---	0.70	-1.37	-0.27
28	0.25	-0.79	-0.27	1.18	0.36	0.80	---	---	---	0.73	-1.55	-0.31
29	---	---	---	1.10	-0.06	0.65	---	---	---	0.83	-1.25	-0.09
30	---	---	---	1.57	0.13	0.90	---	---	---	0.99	-1.07	-0.05
31	---	---	---	1.82	-0.06	0.95	---	---	---	0.63	-0.99	-0.19

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	0.04	-1.31	-0.64	-0.03	-1.16	-0.52	1.40	0.48	0.91	3.19	1.86	2.62
2	-0.18	-1.51	-0.83	-0.19	-1.05	-0.56	1.55	0.75	1.13	3.32	1.56	2.53
3	-0.33	-1.56	-0.85	-0.32	-1.15	-0.77	2.18	0.79	1.52	3.37	1.58	2.54
4	-0.47	-1.31	-0.83	-0.21	-1.25	-0.78	2.69	1.15	2.18	3.43	1.52	2.54
5	-0.12	-1.05	-0.54	-0.07	-1.33	-0.69	3.98	0.99	2.41	3.13	1.50	2.36
6	-0.13	-1.19	-0.59	0.37	-1.02	-0.29	2.56	0.58	1.75	4.03	1.51	2.85
7	-0.18	-1.64	-0.78	0.56	-1.24	-0.24	2.56	0.30	1.57	4.15	2.56	3.42
8	-0.08	-1.57	-0.80	1.09	-0.80	0.19	2.92	0.30	1.92	3.90	2.71	3.39
9	0.53	-1.47	-0.21	1.18	-0.75	0.27	3.05	1.25	2.15	3.13	2.46	2.77
10	0.74	-1.38	-0.20	1.45	-0.72	0.42	3.02	1.21	2.21	2.69	1.88	2.31
11	0.46	-1.46	-0.50	1.49	-0.41	0.53	2.86	1.71	2.36	2.67	1.38	2.01
12	0.19	-1.74	-0.77	1.50	-0.46	0.57	2.26	1.33	1.78	2.84	1.78	2.33
13	-0.04	-1.93	-1.00	1.35	-0.51	0.39	1.91	1.16	1.43	3.56	2.08	2.88
14	-0.49	-2.15	-1.34	0.63	-0.42	0.01	1.98	0.74	1.35	4.65	1.82	3.20
15	-0.11	-2.28	-1.19	0.38	-0.60	-0.14	2.34	1.03	1.68	3.07	1.16	2.21
16	-0.63	-2.21	-1.44	0.36	-0.36	0.05	2.33	0.88	1.71	2.69	0.92	1.86
17	-0.40	-1.86	-1.01	0.49	-0.51	-0.03	2.48	0.72	1.67	2.53	1.06	1.81
18	-0.52	-1.52	-0.99	0.69	-0.53	0.12	2.37	0.71	1.61	2.36	1.20	1.83
19	-0.56	-1.14	-0.92	0.84	-0.57	0.18	2.26	0.52	1.48	2.43	1.33	1.98
20	-0.38	-1.55	-0.92	1.22	-0.60	0.41	2.28	0.60	1.54	2.65	1.68	2.24
21	-0.10	-1.61	-0.79	1.53	-0.53	0.44	2.37	0.70	1.48	2.91	1.75	2.52
22	0.19	-1.44	-0.53	1.43	-0.54	0.58	2.04	0.70	1.41	3.34	2.44	2.87
23	0.30	-1.46	-0.51	1.50	-0.62	0.52	2.04	0.70	1.38	3.45	3.06	3.23
24	0.43	-1.47	-0.44	1.69	-0.48	0.72	1.84	0.75	1.30	4.51	3.30	3.60
25	0.45	-1.51	-0.45	1.82	-0.29	0.77	1.47	0.75	1.10	6.77	4.22	4.79
26	0.53	-1.54	-0.65	1.94	-0.15	0.91	1.62	0.80	1.23	8.49	2.92	5.56
27	0.45	-1.58	-0.57	1.77	0.27	1.12	1.25	0.80	1.08	3.12	1.93	2.54
28	0.35	-1.44	-0.53	1.66	0.46	1.11	1.52	0.80	1.10	3.32	1.66	2.47
29	0.19	-1.35	-0.57	1.77	0.73	1.21	2.14	1.01	1.48	3.12	1.32	2.19
30	0.04	-1.18	-0.51	1.47	0.73	1.09	2.53	1.62	2.10	2.97	1.47	2.23
31	---	---	---	1.53	0.68	1.08	2.78	1.88	2.34	---	---	---

301058089313900 USCG PEARL RIVER ENTRANCE CHANNEL LIGHT 7A--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, JULY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	35300	27500	31500	33100	29800	31700
2	---	---	---	---	---	---	34500	29000	31700	32400	28500	30100
3	---	---	---	---	---	---	33000	28100	30300	35400	31700	33600
4	---	---	---	---	---	---	30600	27700	29200	36500	31600	34500
5	---	---	---	---	---	---	29900	27500	28300	36900	31500	34600
6	---	---	---	---	---	---	30800	26400	27900	40100	35100	38500
7	---	---	---	---	---	---	30900	27900	29500	43600	38400	41600
8	---	---	---	---	---	---	32700	28600	31700	43200	33600	39800
9	---	---	---	---	---	---	31800	27700	30200	40500	31700	37100
10	---	---	---	---	---	---	29800	26500	28700	39100	30200	35700
11	---	---	---	---	---	---	34100	24700	30600	39500	31000	36500
12	---	---	---	24400	18900	22000	32000	27400	30000	39000	32500	36900
13	---	---	---	22600	18900	20500	35000	27400	32100	35700	29700	33200
14	---	---	---	23300	17400	19700	35800	28500	32800	34100	29700	32100
15	---	---	---	28000	18800	23300	32000	27600	30000	33800	29100	31400
16	---	---	---	29000	---	---	29000	24800	27400	36800	31900	34700
17	---	---	---	26200	22400	24300	29400	24600	27100	37300	---	---
18	---	---	---	29600	22000	25100	29000	25400	27200	37700	30000	34900
19	---	---	---	28800	22300	25500	27600	24300	25500	33100	27500	30400
20	---	---	---	27600	21600	24800	27400	23900	25300	32800	29400	31200
21	---	---	---	29000	22100	24800	30300	24000	28100	34600	29900	32500
22	---	---	---	32200	25100	29200	33600	29400	31600	36300	30700	34400
23	---	---	---	30300	24700	26800	38800	31100	35600	33500	27900	31200
24	---	---	---	30600	24000	28000	38000	32500	35200	30500	26600	28600
25	---	---	---	36500	30100	33300	36200	31400	34200	28000	21200	25200
26	---	---	---	35000	28600	32100	33800	29200	31500	25300	20100	23300
27	---	---	---	35400	29400	32400	34200	28500	31100	27600	23000	25100
28	---	---	---	37100	30400	34000	32900	28300	30200	29000	26200	27800
29	---	---	---	35600	30400	32500	29900	26200	27600	32600	27800	30000
30	---	---	---	33700	28100	30700	33700	25700	29500	33200	30200	31700
31	---	---	---	34800	27500	30100	33600	29400	31600	---	---	---

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	33700	30400	31800	37300	32100	34800	22300	14000	19800	18100	12300	16300
2	34300	29000	31600	37900	31800	35100	22500	11400	17400	19400	15000	16900
3	34200	28000	31300	37000	31100	34400	18400	11400	13300	19400	13100	17000
4	37100	29900	33900	35600	30600	33200	22500	17400	20400	20700	8690	14600
5	33700	29000	31200	34200	29800	32200	22600	16700	20800	22700	12100	18000
6	33200	26400	30600	40100	30300	36800	23000	18900	21300	27800	11500	20300
7	31300	23900	28500	39600	35000	36500	23700	17600	21400	28500	16800	23800
8	26800	20700	24400	42400	39600	41000	24800	18500	21900	29000	11800	20700
9	29100	20700	25700	41900	30700	36100	25500	19400	22500	27600	12200	20100
10	27100	22600	24900	33900	30700	32100	26100	19200	23200	28000	13000	22300
11	25000	21700	23300	34000	31200	32400	27400	20600	24300	32800	20600	28700
12	31000	22500	27300	34100	29700	31700	29000	18900	23200	32000	15400	24300
13	33000	28600	31200	35000	26900	30700	31800	24900	28400	29800	19700	27100
14	33900	30300	32800	31100	22200	26600	31800	18900	24900	31200	22400	28000
15	34500	29500	32800	27500	23600	25800	26100	18900	23300	30300	26300	29100
16	36600	30000	33200	30800	20400	26700	25700	16000	21900	32800	27900	30500
17	36500	30400	33800	29700	19500	24900	16700	14200	15300	33700	27600	32500
18	35800	29500	32900	29700	20800	26000	19100	16700	18600	33400	14500	27200
19	36500	30500	33900	34000	14100	26100	18700	13600	15400	31000	14400	21500
20	35900	30500	33700	25900	13800	17900	18900	14000	16500	24100	6880	12100
21	36500	30900	34300	20000	12800	15800	20200	18900	19500	15100	6960	11400
22	39900	36200	38100	19600	12100	16600	21900	14100	18400	15400	4400	9950
23	40500	35500	38900	23400	13100	18700	22200	16600	20200	14800	2610	7840
24	40600	35500	38400	24500	21500	23400	22400	16000	19800	14400	2080	6880
25	39000	34800	37700	24100	12000	18000	26400	14300	20900	14100	722	4980
26	39900	34400	38100	22800	13400	18100	33000	25900	27600	11400	465	5540
27	40300	34800	38100	21800	11800	17400	36400	25000	31600	12900	294	6870
28	38800	32900	35700	22900	12200	18800	36600	18100	25700	18000	2900	10300
29	38800	32700	35800	22300	14600	18900	21400	14200	18300	19000	5730	14400
30	37700	32300	35000	21500	12500	18100	18100	11600	13800	12700	2750	8080
31	37700	32300	35000	---	---	---	17600	11700	16200	20100	8660	13800

301058089313900 USCG PEARL RIVER ENTRANCE CHANNEL LIGHT 7A--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, OCTOBER 2000 TO SEPTEMBER 2001--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	18900	4170	12100	16100	4390	11600	4770	126	1300	16200	7040	12600
2	16700	644	6490	12200	3080	9400	7070	129	2500	17200	6090	13500
3	11300	681	6580	13100	1180	7410	6300	432	3190	17200	7050	14700
4	10300	320	4700	5610	386	848	7070	195	2940	16400	8540	13400
5	9390	261	3890	1270	189	440	7220	796	4500	14800	9450	12400
6	10800	252	5730	1930	130	462	8360	3320	6390	13600	8350	11500
7	13100	1230	7610	1930	84	234	8510	3230	5980	14300	7720	10700
8	15500	1980	10600	187	80	123	6930	1520	3660	16700	7240	12700
9	20000	4500	12800	128	73	97	3060	478	1630	17400	8070	13400
10	13400	3640	6860	73	64	66	7220	438	3170	17200	8310	12700
11	11100	4590	8140	68	61	64	12100	682	6650	18200	9270	13600
12	12100	6190	9330	134	62	77	12800	2000	7620	16100	8410	12700
13	14500	8670	12400	82	68	75	5610	1360	3210	14100	7800	11000
14	12700	4770	9530	11700	63	2410	8090	332	2830	12400	7620	10300
15	12400	4890	9340	11700	68	2930	4420	202	1140	11300	6240	8640
16	11300	2650	5440	83	60	70	5470	146	1920	9090	6380	7660
17	8840	1340	4080	88	58	65	3280	143	410	8930	6560	7910
18	8820	4890	6970	71	60	64	1610	131	226	8850	7750	8270
19	11700	4860	8030	73	60	68	2100	127	682	9990	6570	8300
20	13100	5470	9760	86	61	76	8320	408	2960	9910	5720	8290
21	17400	8030	13300	1010	78	123	9940	5840	7980	10300	7680	9480
22	17800	7470	14300	4470	76	837	11900	1940	8680	11000	9110	9860
23	22500	7640	16300	91	75	84	16100	6830	11500	14400	8400	11500
24	26400	15400	22900	173	81	102	10800	730	4740	14700	8840	11300
25	25300	7710	15700	128	83	94	8720	724	4850	15500	9240	12400
26	21600	9200	14500	2360	92	412	10700	2450	6220	17600	9540	13900
27	10900	5940	8050	5120	93	1020	9960	2330	5940	18000	11000	14500
28	14000	5810	10500	14800	90	5020	10300	2050	6300	16500	10900	13400
29	---	---	---	15100	2130	7710	10700	3560	7470	14500	9580	11400
30	---	---	---	6260	471	2390	15800	4330	11100	13900	7920	11300
31	---	---	---	5210	190	1900	---	---	---	12500	9020	10300

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	11100	6100	9180	10600	7220	9380	15800	2500	10700	---	5470	---
2	14500	6100	10800	12000	7220	9860	22100	3760	16300	9810	5920	7980
3	---	---	---	12800	7460	10400	23700	5160	18300	9100	4140	6760
4	18700	---	---	12300	6400	9140	24900	7450	19300	7540	4570	6200
5	25500	11600	20300	10600	4370	7390	25600	8100	20000	9160	3370	6390
6	25900	19300	23200	9650	3650	6780	25300	12900	20700	9120	5400	7070
7	24400	11300	18600	10100	3270	7020	17300	7400	11900	7210	2220	5290
8	16700	4070	9430	9180	4030	6390	13300	5370	9130	7730	323	3980
9	8790	1850	3950	7500	2820	4700	12500	5160	7530	14200	214	7000
10	2930	576	1440	6650	2440	4020	9150	4350	6900	11300	191	4500
11	2000	254	584	5140	2680	3750	8660	4350	7380	6750	101	2090
12	1230	110	302	6480	2250	4220	12000	3230	7840	12300	101	6280
13	421	98	174	4840	2800	4010	11300	2030	7140	18900	667	12700
14	545	77	143	8730	3280	6190	14100	3310	10200	18500	1580	10600
15	742	76	163	10800	4940	9500	17100	3600	12000	12600	756	5980
16	322	74	108	18000	9670	14200	16700	2280	10400	8660	671	4110
17	6000	99	2020	20100	8930	15100	13900	1120	7410	3420	314	835
18	8020	228	4850	21300	8930	17300	10600	424	4280	5950	174	1840
19	7690	1400	5480	20600	9960	15100	11200	424	6280	3150	179	1090
20	7960	1250	4210	17200	9790	13100	11500	173	4550	7520	186	3880
21	8930	1320	4280	17700	7920	12300	7670	140	1490	13400	2720	8960
22	6160	1560	3180	21100	8050	14800	5490	181	2410	12300	2240	8170
23	7830	1510	5190	22800	10800	18200	6900	576	3610	12600	3560	8740
24	8280	3300	6060	24600	13500	20500	7060	1880	4720	11500	3180	8030
25	8850	3670	6270	22800	13100	17700	7870	3790	5840	12200	6100	9480
26	9050	4120	6740	14800	7630	10500	10500	3100	6950	13100	5360	9620
27	8810	4040	7250	13800	7770	11200	12200	1760	6820	13700	4360	9780
28	8180	6080	6860	14000	5570	10700	13900	1760	9870	13800	4360	10200
29	8760	5420	7420	9300	4320	7650	13500	4420	9510	15000	5400	11200
30	9750	7180	8850	10600	4680	7760	14700	4420	11300	13000	6550	9950
31	---	---	---	10700	2770	7100	15700	7280	11400	---	---	---

301058089313900 USCG PEARL RIVER ENTRANCE CHANNEL LIGHT 7A--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	8300	5840	6800	16500	5470	11900	15200	8360	11700	12500	605	5560
2	9540	4940	6860	18900	7600	14200	14800	6490	10400	11800	494	7490
3	9690	5860	7560	19600	9020	15500	13300	4730	9540	3990	497	1730
4	14200	8970	11700	19400	8840	14900	13500	4380	9760	3810	842	2030
5	17200	11400	14400	19100	9310	14800	15600	3250	10800	15000	1960	6780
6	18600	8650	13700	16500	9020	13200	14800	1540	8930	15000	1200	3240
7	19500	9920	15200	14400	8710	11500	12700	886	6710	3030	1650	1890
8	19500	12500	17000	14200	9030	11900	9320	1460	6910	4240	1390	2560
9	23600	16900	20800	13200	7980	11100	11000	3040	6100	6570	606	3540
10	26000	15700	23000	12400	8710	10700	9330	4300	7110	8020	2690	5370
11	26900	16100	23700	12400	8710	10800	13600	3580	8580	9700	1790	5830
12	27300	13800	23600	13400	10000	11600	15000	6850	11400	12300	1740	8470
13	27600	13800	23700	20900	10100	15000	16500	3870	11400	14000	2120	9950
14	21500	9810	14500	21700	13400	18400	16500	3890	9970	16100	5780	12500
15	20500	9810	17500	20200	10800	15900	16300	4050	10600	16600	4350	10400
16	16700	3600	6420	17600	9270	13200	16900	3780	11300	13100	4300	10100
17	8880	3840	6340	13200	8130	10600	19100	1650	9660	12800	4010	9280
18	9460	1020	4860	12100	7760	9780	8350	1150	4660	11400	4990	8820
19	10100	1160	6140	13100	8580	11100	8460	420	3720	10400	2840	7180
20	11600	1360	7090	12300	7210	9840	1050	380	567	13500	2840	8430
21	12400	1550	7930	14000	9760	12000	6330	379	3120	13800	5210	10500
22	12200	1480	7860	17300	11300	15100	9220	774	4610	17400	6020	12600
23	12700	1980	8960	19900	11600	16600	10700	554	5190	16500	8610	12900
24	12700	1880	9040	21900	13100	17600	3930	503	1410	14700	7940	11200
25	10200	3060	6790	16700	11300	14200	4460	416	1370	13000	1900	7960
26	9050	1800	6780	15800	12800	14100	5150	137	1200	12100	1040	7990
27	3250	1020	2140	17500	11700	13800	6860	132	1730	14200	771	7940
28	7010	2490	5020	21000	13900	16700	8650	242	4260	14400	989	9440
29	5920	2990	4010	21000	15000	18400	10500	894	5230	14700	819	9250
30	6480	3820	5220	16600	8630	11700	11300	605	5330	15000	835	8260
31	12700	5100	7580	---	---	---	12300	675	7790	14600	628	7080

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	7930	177	2150	20000	5480	12200	6780	162	2530	---	---	---
2	304	162	230	30900	12700	22000	6790	185	2820	---	---	---
3	397	139	216	12700	2570	4890	4900	188	1870	---	---	---
4	2120	145	396	9930	1390	3440	854	182	323	---	---	---
5	16700	134	4360	7220	1330	3610	789	182	326	---	---	---
6	18200	1900	10500	8130	657	4810	1820	180	506	---	---	---
7	16500	420	4890	11300	1550	7110	4150	172	1340	---	---	---
8	6790	240	2660	15500	2100	9640	6380	1560	4510	---	---	---
9	7690	156	2490	15400	5450	10600	9510	525	3850	---	---	---
10	9090	214	2420	10700	3120	6480	847	205	343	10300	5140	8120
11	4730	146	770	10000	4930	8230	3430	175	1070	15600	6000	11700
12	2200	134	285	11300	4110	7320	6690	165	1950	18400	9710	15300
13	2930	136	571	9370	2660	5180	2320	142	301	12400	5930	9960
14	2590	137	523	7730	3190	4630	165	136	149	19600	5140	11700
15	2570	137	463	9420	2730	7660	272	131	161	22700	8110	16500
16	3360	141	641	9910	2730	7570	1430	133	312	23300	11500	18900
17	619	156	230	7350	3090	5630	3710	132	819	22000	12800	17500
18	11100	293	6390	10200	1030	5220	3660	134	732	15200	9070	12400
19	19200	4110	11000	14000	726	7680	3780	135	1120	14600	10100	13000
20	19500	4910	14200	16100	2220	8430	2920	137	517	13900	9960	11800
21	19500	2740	12400	5660	1170	2500	579	148	255	14700	8260	11500
22	15200	2240	6900	5300	389	2210	3950	140	1070	23800	8640	15600
23	8320	1150	5380	7170	193	3230	4720	1520	3510	23600	11700	19400
24	9110	1210	5280	11500	256	4130	3920	777	2220	23600	15800	21600
25	10100	1040	5240	13800	858	7770	2240	395	976	25700	17700	22200
26	11600	615	3330	13800	857	4640	11000	1010	7040	26700	15700	22800
27	5060	301	754	8470	372	1820	---	---	---	26800	14600	22800
28	6090	623	3500	5730	579	2420	---	---	---	26300	15500	22600
29	---	---	---	2250	173	267	---	---	---	27100	18300	24300
30	---	---	---	3570	177	978	---	---	---	27100	17000	24100
31	---	---	---	4760	156	753	---	---	---	28000	18900	24900

301058089313900 USCG PEARL RIVER ENTRANCE CHANNEL LIGHT 7A--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, OCTOBER 2001 TO SEPTEMBER 2002--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	26700	16100	22200	17200	11600	15300	22400	12200	18700	26500	14700	23300
2	22500	14900	19700	14700	11300	13500	21700	12200	18800	27600	17700	23900
3	20800	14600	18300	13900	9550	12300	24900	17600	22200	27400	16800	23800
4	21000	14700	18500	13400	9640	11100	28300	20400	25300	27200	16900	23700
5	25600	18100	22000	14000	8590	11800	29200	14500	24700	25900	17900	22500
6	25600	16900	23300	16000	8390	13800	25700	10900	19400	27200	18000	23400
7	25700	18300	23000	17900	9960	15200	24100	8700	17400	30700	23400	27900
8	25000	14400	21900	21900	9960	18000	25500	7330	18000	31400	24300	27800
9	28100	16700	24900	22700	13500	18800	28300	7030	20100	28100	16800	23500
10	29500	22700	27200	23300	13000	19800	28000	5370	18300	27200	13100	20100
11	29600	20400	26700	23700	16200	20500	27300	8990	20000	21600	13200	17900
12	29100	19000	25400	23700	13900	19800	20500	8700	12800	21000	16800	18900
13	26100	17800	22900	22200	16000	19200	13800	5770	9970	25200	19100	22500
14	22800	16200	19800	18000	12900	14400	14200	7310	10600	29900	22000	26900
15	24200	14600	19400	13000	10400	12000	18900	8520	14300	24700	15900	21200
16	21400	14400	18000	13200	10100	12300	20500	9000	16600	20200	13700	17500
17	25600	15500	21300	14800	9350	12400	21400	9180	16800	19300	13200	16300
18	25500	20200	24300	15200	9320	12900	20200	10900	15900	17700	12800	15400
19	25600	19800	23500	15800	10400	13200	18900	9220	14500	18800	12900	15600
20	25500	16500	21800	17900	10400	15100	19500	9110	15600	20500	14500	19000
21	24900	15900	21600	16800	11400	14200	18800	10100	14700	21600	16100	19400
22	25300	17100	22300	19700	10800	16000	17700	9490	13800	24000	20800	22300
23	25300	17000	21800	20600	10300	15800	17200	9130	13100	25100	23600	24300
24	25500	17100	22000	21300	11100	16800	15100	9200	12100	25200	23000	24100
25	24900	16900	21600	22000	12400	17100	11400	8150	9960	31100	23000	26000
26	23000	16500	19600	20200	11700	16600	13700	9560	11700	32400	23400	29600
27	21000	14600	17600	19700	12500	15900	12100	10200	11200	23400	6760	13400
28	19800	12500	16500	17800	11800	14100	14000	8950	11900	20200	3360	10200
29	18900	12600	15500	15600	12600	13700	16000	12000	14300	13900	1360	6500
30	18700	13000	15900	17900	11600	14800	18400	14500	16400	12700	535	5020
31	---	---	---	19700	12200	16300	20800	15100	18600	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, JULY TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	29.2	30.7
2	---	---	---	---	---	---	---	---	---	---	29.2	30.5
3	---	---	---	---	---	---	---	---	---	---	28.9	30.3
4	---	---	---	---	---	---	---	---	---	---	28.7	31.3
5	---	---	---	---	---	---	---	---	---	---	29.4	31.3
6	---	---	---	---	---	---	---	---	---	---	30.3	29.9
7	---	---	---	---	---	---	---	---	---	---	30.5	27.9
8	---	---	---	---	---	---	---	---	---	---	31.0	27.6
9	---	---	---	---	---	---	---	---	---	---	30.8	27.5
10	---	---	---	---	---	---	---	---	---	---	30.5	28.2
11	---	---	---	---	---	---	---	---	---	---	30.0	28.9
12	---	---	---	---	---	---	---	---	---	31.4	30.4	29.1
13	---	---	---	---	---	---	---	---	---	31.1	30.4	29.6
14	---	---	---	---	---	---	---	---	---	31.1	30.4	29.7
15	---	---	---	---	---	---	---	---	---	30.8	30.5	29.9
16	---	---	---	---	---	---	---	---	---	31.2	30.6	28.6
17	---	---	---	---	---	---	---	---	---	31.0	31.2	26.9
18	---	---	---	---	---	---	---	---	---	31.3	31.8	26.3
19	---	---	---	---	---	---	---	---	---	31.2	31.7	26.5
20	---	---	---	---	---	---	---	---	---	31.3	31.6	27.2
21	---	---	---	---	---	---	---	---	---	31.5	31.0	27.5
22	---	---	---	---	---	---	---	---	---	31.0	30.9	27.6
23	---	---	---	---	---	---	---	---	---	29.9	30.1	28.4
24	---	---	---	---	---	---	---	---	---	29.5	30.1	29.0
25	---	---	---	---	---	---	---	---	---	29.4	30.5	29.0
26	---	---	---	---	---	---	---	---	---	29.9	31.0	26.5
27	---	---	---	---	---	---	---	---	---	30.3	31.2	25.1
28	---	---	---	---	---	---	---	---	---	30.6	31.2	24.6
29	---	---	---	---	---	---	---	---	---	30.7	31.0	24.1
30	---	---	---	---	---	---	---	---	---	30.4	30.8	23.9
31	---	---	---	---	---	---	---	---	---	29.6	30.8	---

301058089313900 USCG PEARL RIVER ENTRANCE CHANNEL LIGHT 7A--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.5	24.2	14.2	6.9	11.7	18.7	16.2	22.9	28.2	29.0	29.6	29.2
2	25.1	24.1	14.3	6.3	11.1	19.3	17.1	23.1	28.0	29.5	29.4	28.7
3	25.4	24.2	13.1	6.0	10.6	19.6	18.4	23.8	---	29.8	29.2	28.2
4	25.5	24.1	12.0	5.9	10.2	18.3	19.2	24.2	28.8	30.0	29.5	28.8
5	25.9	24.0	12.1	6.5	10.2	17.5	20.6	24.1	28.2	29.6	29.7	29.1
6	26.3	23.7	11.9	6.8	10.8	16.7	21.7	24.2	27.3	29.5	30.0	29.3
7	25.0	23.7	11.8	7.5	11.8	15.6	22.6	24.8	26.9	30.1	29.5	29.0
8	21.9	24.2	11.9	7.9	13.0	15.5	22.8	24.9	26.7	30.4	28.8	28.1
9	18.2	23.3	12.2	7.8	13.9	15.7	23.2	25.2	25.6	30.6	28.5	27.7
10	17.4	21.3	12.6	7.5	14.0	15.2	24.3	25.6	24.7	30.9	29.1	27.0
11	17.7	19.9	12.8	8.0	13.7	15.0	24.5	25.6	24.6	30.4	28.5	26.8
12	18.1	19.1	12.8	8.4	14.2	15.6	24.8	25.9	24.7	29.8	27.8	27.8
13	18.7	18.6	12.1	8.3	15.0	15.9	25.4	26.5	25.4	29.5	27.6	28.0
14	19.1	17.0	12.8	8.7	16.1	16.8	25.6	26.6	25.3	29.4	28.0	27.4
15	19.7	15.9	12.4	9.4	17.1	16.5	25.1	26.6	25.8	29.1	28.7	27.1
16	20.1	16.0	13.3	9.8	18.1	16.8	24.9	26.9	26.4	29.4	28.8	27.2
17	21.1	15.9	12.0	10.2	16.7	16.2	23.5	27.3	27.2	29.6	28.7	26.8
18	21.9	14.2	11.0	10.9	15.1	15.1	22.0	27.7	28.5	30.1	28.1	27.1
19	22.0	12.8	10.5	11.1	14.7	15.2	21.2	27.6	28.7	30.6	28.7	26.9
20	22.3	12.6	8.9	9.9	15.4	14.6	21.3	27.6	28.7	30.9	28.5	27.5
21	22.6	12.1	8.7	9.9	16.0	14.2	22.4	27.3	29.3	30.8	27.7	27.9
22	23.1	12.2	8.4	9.4	16.7	14.7	22.6	26.6	28.8	30.2	28.3	28.1
23	23.5	12.6	7.7	8.8	16.2	15.3	22.9	25.8	28.8	30.5	28.9	27.9
24	23.5	13.0	8.2	8.7	16.6	16.0	22.8	25.7	28.5	30.9	29.8	27.7
25	23.2	13.2	8.3	8.8	17.5	16.3	22.0	25.7	28.4	29.9	29.9	26.4
26	23.3	13.4	8.3	8.9	17.6	16.1	21.7	25.8	28.5	28.6	29.8	25.0
27	23.2	13.8	9.0	9.5	18.3	15.5	21.9	26.4	28.2	29.0	29.9	24.3
28	23.4	13.8	9.2	10.7	18.8	14.5	22.1	26.9	28.1	29.3	29.8	23.9
29	23.5	14.2	8.7	11.9	---	14.2	22.3	27.3	28.9	29.6	29.5	23.6
30	23.7	14.5	8.0	11.7	---	14.9	22.6	28.2	28.8	30.1	29.3	23.4
31	23.9	---	7.0	12.1	---	15.7	---	28.7	---	29.8	29.5	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.1	18.7	18.4	9.4	17.5	11.7	20.1	---	27.3	29.9	29.8	29.5
2	23.0	19.3	18.1	8.0	16.0	11.9	20.5	---	28.3	30.0	29.7	29.0
3	23.4	19.7	17.9	7.3	14.7	11.8	21.1	---	29.0	30.4	29.9	28.5
4	23.9	19.9	18.1	7.2	13.8	10.1	20.0	---	29.5	30.1	29.5	28.3
5	24.1	19.4	18.5	7.2	12.8	10.2	19.5	---	29.6	30.0	28.4	28.5
6	24.1	19.3	18.8	7.7	11.6	10.7	18.7	---	29.5	30.5	28.3	28.5
7	22.8	19.4	18.9	7.4	10.7	11.9	18.9	---	30.3	30.8	28.9	27.8
8	22.3	19.8	19.2	7.5	10.6	13.1	19.7	---	30.4	30.1	29.4	27.5
9	22.2	20.0	18.5	7.9	10.8	14.2	19.3	28.8	29.6	30.1	28.7	28.0
10	22.7	20.0	17.8	8.5	11.4	13.5	19.2	28.7	29.0	30.4	28.1	28.3
11	23.2	20.0	17.4	9.3	11.7	13.5	20.1	28.7	29.2	30.6	27.9	29.0
12	23.8	20.3	17.7	9.8	11.7	14.1	20.3	28.5	29.8	30.8	27.8	29.0
13	24.1	20.0	18.1	9.8	11.8	14.5	20.0	28.0	30.4	30.7	27.9	29.0
14	23.3	19.7	18.2	10.4	11.8	15.5	19.9	25.9	30.5	29.8	28.4	28.8
15	23.1	19.4	17.8	10.5	12.1	16.4	20.7	25.0	29.8	29.8	28.9	30.0
16	21.9	19.0	18.4	10.9	12.3	18.6	21.4	25.1	28.9	30.3	29.4	30.1
17	20.4	18.8	18.9	11.3	12.8	20.4	22.4	26.2	28.1	31.1	30.0	30.0
18	19.6	18.6	18.4	12.2	13.6	21.2	23.0	25.4	27.8	31.4	30.4	30.0
19	19.1	19.0	17.6	13.0	14.4	21.7	23.7	23.3	28.0	31.8	30.4	29.9
20	19.4	18.8	16.2	12.2	15.2	21.9	24.2	22.4	28.4	31.9	30.4	29.8
21	20.1	17.8	15.2	12.6	15.5	21.4	24.4	22.7	28.7	31.4	30.1	29.8
22	20.8	17.5	15.0	13.2	15.1	19.5	24.8	22.4	28.2	30.8	29.3	29.6
23	21.6	18.1	15.2	14.2	14.2	18.2	25.4	22.6	27.6	30.5	29.9	28.7
24	22.7	19.2	14.2	15.5	14.1	17.8	25.3	23.3	28.1	30.7	30.5	27.4
25	22.5	19.5	13.1	15.6	14.7	18.5	25.0	24.3	28.4	30.2	30.6	26.0
26	21.3	19.9	11.8	15.1	14.7	18.6	25.3	25.2	28.4	29.9	30.5	25.4
27	19.9	20.3	10.9	14.7	12.9	18.0	---	26.0	28.1	29.9	30.6	25.2
28	18.4	20.7	11.2	15.1	12.1	18.2	---	26.4	28.1	30.3	30.0	25.4
29	18.1	20.7	11.5	15.8	---	18.9	---	26.6	28.8	30.4	29.8	25.3
30	17.9	19.0	11.2	16.5	---	19.8	---	26.3	29.3	29.9	29.9	25.2
31	18.2	---	10.6	17.2	---	19.8	---	26.4	---	29.8	29.7	---

300910089374820 THE RIGOLETS AT CSX RAILROAD NEAR RIGOLETS, LA

LOCATION.--Lat 30°09'10", long 89°37'48", in sec.30, T.10 S., R.16 E., Orleans County, Hydrologic Unit 08090201, on CSX railroad bridge near west side of shipping channel, 7.2 mi southeast of the U.S. Highway 90 crossing of the Lake Pontchartrain outlet.

DRAINAGE AREA.--indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF DAILY RECORD.--September 2000 to November 2002 (discontinued).

GAGE.--Water-stage recorder, water quality sonde, and acoustic Doppler velocity meter. Datum of gage is 0.00 ft above NAVD of 1988.

REMARKS.--Records fair except for the period Feb. 28 - Jun. 28, which is poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF DAILY RECORD.--
DISCHARGE: Maximum, 325,000 ft^3/s, Jan. 19, 2001; minimum, -327,000 ft^3/s, Sept. 26, 2002.

EXTREMES FOR CURRENT YEAR.--
DISCHARGE: 2001 Water Year, Maximum, 325,000 ft^3/s, Jan. 19; minimum, -282,000 ft^3/s, Jan. 22.
2002 Water Year, Maximum, 254,000 ft^3/s, Oct. 14; minimum, -327,000 ft^3/s, Sept. 26.

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	103000	-196000	158000	-173000	150000	-245000	77300	-153000	188000	-188000	194000	-114000
2	170000	-64900	186000	-189000	204000	-166000	93900	-108000	229000	-67100	235000	-83600
3	152000	-156000	169000	-172000	125000	-157000	204000	-87900	165000	-244000	264000	-74900
4	178000	-191000	181000	-136000	119000	-232000	136000	-174000	211000	-244000	257000	9280
5	193000	-171000	159000	-115000	120000	-126000	170000	-178000	223000	-263000	166000	-35800
6	189000	-173000	68700	-261000	33400	-193000	193000	-212000	205000	-261000	158000	-102000
7	171000	-127000	147000	-137000	---	---	207000	-196000	187000	-206000	146000	-92000
8	144000	-81100	-44000	-186000	---	---	245000	-191000	182000	-209000	184000	-116000
9	202000	-217000	296000	-139000	---	---	208000	-192000	223000	-233000	141000	-102000
10	151000	-157000	151000	-145000	---	---	148000	-224000	154000	-105000	137000	-109000
11	135000	-141000	194000	-181000	---	---	206000	-263000	126000	-120000	91500	-109000
12	89200	-132000	207000	-220000	---	---	193000	-83700	-12200	-153000	218000	-78400
13	128000	-173000	180000	-249000	---	---	149000	-222000	109000	-142000	269000	-13500
14	176000	-148000	205000	-100000	---	---	207000	-169000	184000	-141000	170000	-234000
15	210000	-182000	183000	-189000	156000	-196000	123000	-105000	197000	-214000	276000	-168000
16	223000	-171000	236000	-235000	231000	-171000	5320	-156000	202000	-36400	261000	-3380
17	239000	-210000	184000	-216000	256000	-34800	204000	-129000	165000	-253000	162000	-96500
18	228000	-185000	-897	-212000	125000	-140000	256000	-202000	140000	-198000	174000	-71000
19	209000	-215000	272000	-200000	238000	23000	325000	-122000	121000	-193000	190000	-86400
20	193000	-207000	216000	125000	23000	-197000	192000	-73900	209000	-194000	209000	-42300
21	91400	-192000	169000	28800	78700	-184000	128000	-188000	198000	-188000	174000	-129000
22	43900	-235000	123000	-97500	154000	-164000	204000	-282000	219000	-195000	142000	-79700
23	208000	-188000	145000	-245000	130000	-200000	208000	-239000	2910	-223000	219000	-95200
24	178000	-211000	65600	-259000	179000	-179000	230000	-167000	-14200	-234000	142000	-68800
25	139000	-137000	234000	-245000	135000	-214000	198000	-241000	275000	-64900	173000	-73800
26	---	---	205000	-243000	6930	-250000	106000	-273000	168000	-74400	210000	-157000
27	---	---	190000	-168000	238000	-192000	189000	-240000	134000	-86900	232000	-114000
28	---	---	176000	-226000	295000	-168000	1430	-225000	168000	-192000	184000	-237000
29	---	---	190000	-188000	187000	3000	204000	-210000	---	---	256000	-90900
30	---	---	158000	-162000	154000	-57700	235000	-79900	---	---	286000	-81600
31	190000	-183000	---	---	77900	-174000	142000	-61400	---	---	244000	-87200
MONTH	---	---	296000	-261000	---	---	325000	-282000	275000	-263000	286000	-237000

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	233000	-170000	186000	-93800	171000	-23400	166000	-188000	121000	-243000	157000	-144000
2	215000	-108000	171000	-80000	158000	-79100	161000	-181000	167000	-243000	142000	-92700
3	194000	-89300	195000	-69300	163000	-69000	187000	-185000	198000	-248000	136000	-79500
4	241000	-83700	145000	-8640	141000	-108000	183000	-184000	201000	-224000	131000	-107000
5	178000	-76700	131000	-24300	143000	-128000	174000	-165000	221000	-252000	131000	-136000
6	152000	-92100	141000	-63600	213000	-89200	167000	-138000	159000	-170000	80700	-111000
7	175000	-68900	175000	-53200	238000	-91400	156000	-148000	179000	19000	45900	-100000
8	198000	-42100	159000	-82900	243000	-56200	180000	-139000	152000	2970	189000	-144000
9	201000	-45100	192000	-72300	178000	-8650	178000	-132000	115000	---	222000	-190000
10	210000	-108000	211000	-74900	193000	-5940	172000	-121000	121000	-34700	192000	-122000
11	163000	-95600	153000	-93200	213000	-21300	167000	-163000	188000	-143000	193000	-125000
12	182000	-66900	176000	-69300	206000	-68100	126000	-132000	157000	-151000	77400	-219000
13	204000	-97500	177000	-79500	217000	-13700	110000	-80900	186000	-167000	211000	-241000
14	189000	-70800	122000	-47700	160000	-47300	97200	-143000	192000	-219000	242000	-254000
15	180000	-77200	176000	-42400	162000	-23500	54200	-201000	196000	-235000	226000	-167000
16	191000	-138000	136000	-64700	160000	-36000	139000	-206000	166000	-178000	223000	-160000
17	166000	-61700	148000	-56300	149000	-82800	216000	-191000	174000	-190000	175000	-94100
18	182000	-127000	113000	-31100	132000	-94000	202000	-223000	182000	-173000	164000	-148000
19	235000	-74300	133000	-23200	122000	-76300	198000	-209000	150000	-182000	129000	-38700
20	112000	-78000	145000	-83300	143000	-52700	187000	-198000	151000	-147000	169000	-150000
21	97200	-97400	158000	-89700	173000	-88500	200000	-218000	148000	-124000	191000	-205000
22	106000	-135000	122000	-64700	168000	-101000	189000	-282000	135000	-97800	161000	-159000
23	255000	-112000	119000	-124000	151000	-95700	182000	-249000	118000	-43000	180000	-127000
24	255000	-94700	212000	-78400	170000	-83800	204000	-245000	158000	-69700	174000	-158000
25	236000	-90400	181000	-125000	207000	-106000	130000	-51300	162000	-108000	199000	-173000
26	198000	-101000	191000	-112000	141000	-64800	130000	-51400	156000	-132000	170000	-156000
27	188000	-86800	176000	-93800	150000	-59800	148000	-133000	195000	-132000	172000	-145000
28	197000	-114000	183000	-90300	121000	-76600	156000	-95500	168000	-170000	177000	-167000
29	183000	-94300	165000	-72200	126000	-110000	186000	-107000	166000	-172000	157000	-167000
30	146000	-132000	166000	-58500	111000	-174000	177000	-158000	149000	-184000	162000	-126000
31	---	---	129000	-25700	---	---	162000	-134000	153000	-152000	---	---
MONTH	255000	-170000	212000	-125000	243000	-174000	216000	-282000	221000	---	242000	-254000

300910089374820 THE RIGOLETS AT CSX RAILROAD NEAR RIGOLETS, LA--Continued

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	166000	7550	119000	-135000	150000	-141000	159000	-114000	149000	-34200	65800	-170000
2	96100	-123000	144000	-167000	154000	-103000	181000	-83200	77200	-34700	190000	-81100
3	101000	-109000	149000	-219000	155000	-33400	159000	15700	72300	-45100	218000	52000
4	103000	-108000	175000	-178000	132000	-50400	122000	-83100	127000	-41400	156000	5100
5	148000	-148000	152000	-156000	157000	-106000	51400	-190000	96900	-53800	132000	-43600
6	189000	-175000	151000	-95700	136000	-68900	233000	-179000	146000	-158000	115000	-83100
7	225000	-221000	144000	-136000	143000	-62100	147000	-38900	171000	-16900	129000	-156000
8	18400	-182000	143000	-108000	132000	-40800	107000	-89300	124000	-45100	139000	-188000
9	28100	-222000	137000	-70200	92800	-58100	111000	-109000	120000	-29600	175000	-133000
10	243000	-179000	159000	-86100	99900	-58100	130000	-92600	141000	-38300	128000	-57800
11	204000	-202000	64600	-76400	114000	-31300	143000	-58500	127000	-43700	86400	-147000
12	226000	-203000	79700	-73000	124000	-141000	154000	-84300	110000	-46600	164000	-146000
13	225000	-262000	103000	-178000	159000	-153000	140000	-149000	118000	-27200	111000	-42400
14	254000	97300	130000	-97000	172000	-135000	152000	-202000	89000	-40600	81000	-114000
15	174000	-210000	146000	-93300	129000	-109000	162000	-153000	60900	-80500	70600	-88500
16	234000	79700	161000	-127000	161000	-190000	114000	-160000	119000	-22900	72800	-60600
17	88100	-5450	175000	-49200	211000	-175000	139000	-98400	77600	-48000	144000	-70100
18	164000	-77800	131000	-33800	130000	-64400	130000	-117000	69000	-166000	142000	-153000
19	215000	-187000	143000	-101000	153000	-64400	151000	-105000	12000	-159000	142000	-195000
20	190000	-220000	124000	-51200	121000	-85300	80500	-147000	115000	-80300	163000	-189000
21	177000	-177000	144000	-136000	70400	-69900	154000	-107000	153000	-100000	171000	-36300
22	178000	-144000	64100	-126000	38100	-143000	102000	-180000	134000	-60000	147000	-34600
23	155000	-165000	146000	-142000	170000	-135000	163000	-154000	106000	-27000	138000	-144000
24	196000	-164000	134000	-175000	109000	-61700	144000	-107000	121000	-34100	156000	-217000
25	144000	-142000	82100	-21500	57500	-49700	120000	-104000	113000	-66900	163000	-189000
26	171000	-133000	58800	-82900	145000	-45600	126000	-97300	154000	-78400	195000	-142000
27	165000	-78000	118000	-167000	129000	-77900	120000	-118000	114000	-25900	144000	-16800
28	155000	-112000	95400	-191000	143000	-89100	145000	-156000	66700	-65900	122000	-139000
29	89300	-91700	218000	-166000	158000	-51700	123000	-140000	---	---	139000	-29200
30	90400	-106000	151000	-49200	137000	-67100	121000	-126000	---	---	139000	-150000
31	110000	-106000	---	---	158000	-145000	119000	-121000	---	---	154000	-50800
MONTH	254000	-262000	218000	-219000	211000	-190000	233000	-202000	171000	-166000	218000	-217000

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	165000	-75900	106000	-58900	150000	-62800	110000	-46800	32300	-107000	62700	-53500
2	169000	-125000	89100	-61700	113000	-57000	81600	-17500	69600	-77900	41900	-75200
3	155000	-108000	82100	-44300	105000	-79500	87200	-37500	64400	-135000	37400	-120000
4	135000	-49600	87700	-34600	90100	-47500	78600	-19600	33700	-109000	31600	-160000
5	154000	-61400	98200	-77300	85800	-138000	107000	-30800	80200	-198000	52700	-153000
6	114000	-121000	70600	-113000	150000	-62500	77600	-94600	78500	-179000	55500	-142000
7	147000	-70800	70300	-79200	142000	-73300	130000	-95600	39200	-179000	67600	-53900
8	60500	-82600	35100	-64700	119000	-123000	110000	-103000	20200	-172000	49100	-60300
9	152000	-126000	76600	-46900	93000	-135000	115000	-126000	87400	-150000	40600	-90000
10	156000	23100	85500	-26600	150000	-116000	141000	-131000	86600	-158000	30300	-57900
11	82100	-162000	88500	-71500	175000	-125000	131000	-114000	61600	-144000	22000	-147000
12	144000	-106000	113000	-88000	162000	-86300	137000	-21200	---	-151000	52900	-62100
13	155000	-33800	121000	-30400	145000	-134000	51800	-47000	---	---	88000	-73300
14	185000	-46400	103000	-66800	137000	-43600	28800	-78000	---	-151000	17000	-197000
15	168000	-106000	114000	-86000	133000	-78300	21100	-103000	---	-127000	16200	-161000
16	166000	-106000	120000	-126000	143000	-49900	31000	-52200	---	-147000	31000	-158000
17	160000	-152000	142000	-58800	40300	-159000	22700	-120000	---	-159000	15300	-132000
18	165000	-63400	123000	-25700	108000	-108000	36800	-116000	---	-153000	48800	-82700
19	126000	-88100	71000	-91400	87700	-60000	22800	-112000	---	-157000	50000	-52900
20	126000	-54700	80600	-42700	116000	-68600	36000	-127000	---	-140000	51000	-36200
21	86800	-37500	93500	-10100	95700	-130000	30200	-127000	130000	-166000	54300	-63900
22	114000	-20400	90100	-79100	117000	-112000	41900	-137000	159000	-97200	51700	-44200
23	97200	-45500	81100	-121000	123000	-113000	23600	-129000	122000	-89100	44400	-49000
24	95800	-32400	108000	-74000	122000	-132000	35200	-137000	102000	-104000	86000	-36100
25	86000	-24000	131000	-136000	153000	-98200	39500	-151000	93500	-74500	103000	-179000
26	119000	-101000	127000	-152000	137000	-70000	23500	-134000	70800	-104000	94000	-327000
27	99600	-66900	137000	-143000	133000	-72200	15100	-120000	77400	-31500	-25300	-236000
28	107000	-54700	131000	-113000	125000	-35000	21900	-129000	28000	-49800	76900	-182000
29	139000	-28200	141000	-115000	115000	-45300	26500	-91600	40000	-46400	87100	-99000
30	123000	-60600	148000	-68700	102000	-40800	45100	-101000	42900	-46100	93800	-66500
31	---	---	140000	-156000	---	---	51900	-129000	47800	-42600	---	---
MONTH	185000	-162000	148000	-156000	175000	-159000	141000	-151000	---	---	103000	-327000

300910089374820 THE RIGOLETS AT CSX RAILROAD NEAR RIGOLETS, LA--Continued

DISCHARGE, CUBIC FEET PER SECOND, OCTOBER TO NOVEMBER 2002

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	74400	-45700	218000	-156000	---	---	---	---	---	---	---	---
2	47000	-68200	177000	-103000	---	---	---	---	---	---	---	---
3	122000	-268000	40300	-191000	---	---	---	---	---	---	---	---
4	-63800	-222000	271000	-263000	---	---	---	---	---	---	---	---
5	40100	-209000	259000	-279000	---	---	---	---	---	---	---	---
6	55200	-172000	275000	-125000	---	---	---	---	---	---	---	---
7	54200	-105000	219000	-193000	---	---	---	---	---	---	---	---
8	88900	-71900	230000	-212000	---	---	---	---	---	---	---	---
9	94700	-77900	203000	-235000	---	---	---	---	---	---	---	---
10	165000	-62800	217000	-222000	---	---	---	---	---	---	---	---
11	216000	-31900	222000	-170000	---	---	---	---	---	---	---	---
12	255000	-165000	270000	-190000	---	---	---	---	---	---	---	---
13	246000	-192000	245000	-26700	---	---	---	---	---	---	---	---
14	210000	-255000	---	---	---	---	---	---	---	---	---	---
15	228000	-139000	---	---	---	---	---	---	---	---	---	---
16	209000	-145000	---	---	---	---	---	---	---	---	---	---
17	220000	-179000	---	---	---	---	---	---	---	---	---	---
18	159000	-239000	---	---	---	---	---	---	---	---	---	---
19	138000	-35100	---	---	---	---	---	---	---	---	---	---
20	154000	-119000	---	---	---	---	---	---	---	---	---	---
21	188000	-145000	---	---	---	---	---	---	---	---	---	---
22	171000	-115000	---	---	---	---	---	---	---	---	---	---
23	171000	-153000	---	---	---	---	---	---	---	---	---	---
24	200000	-194000	---	---	---	---	---	---	---	---	---	---
25	195000	-226000	---	---	---	---	---	---	---	---	---	---
26	248000	-170000	---	---	---	---	---	---	---	---	---	---
27	210000	-245000	---	---	---	---	---	---	---	---	---	---
28	235000	-196000	---	---	---	---	---	---	---	---	---	---
29	253000	-199000	---	---	---	---	---	---	---	---	---	---
30	238000	-73700	---	---	---	---	---	---	---	---	---	---
31	202000	-179000	---	---	---	---	---	---	---	---	---	---
MONTH	255000	-268000	---	---	---	---	---	---	---	---	---	---

300910089374820 THE RIGOLETS AT CSX RAILROAD NEAR RIGOLETS, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 2000 to November 2002 (discontinued).
WATER TEMPERATURE: October 2000 to November 2002 (discontinued).

INSTRUMENTATION.--Water-quality monitor from October 2000 to November 2002.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: Maximum, 34,700 microsiemens, Oct. 23, 2000; minimum, 40 microsiemens, Oct. 4, 2002.
WATER TEMPERATURE: Maximum, 33.4^{o}C, July 20, 2002; minimum, 4.3^{o}C, Jan. 4, 2001.

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	29400	25900	28300	26400	18500	24700	19200	13600	17500	15900	5500	13100
2	28800	17400	26400	27000	23000	25600	20100	9410	17100	15900	3870	11100
3	29200	23300	27200	26900	21200	25300	20100	11800	18000	14300	3000	7640
4	30100	23700	27600	25800	19900	24200	19200	13300	17700	15700	3990	12100
5	28900	22400	26900	24800	16300	23200	20100	10700	16700	15000	1950	10900
6	27800	18800	25700	28600	19300	26000	20100	11200	17400	16900	1480	12900
7	26500	18200	24500	27900	24000	26500	---	---	---	19500	2660	15700
8	25000	21500	24200	33400	27500	30900	---	---	---	20000	5990	14800
9	26000	16700	23800	33300	23800	27800	---	---	---	17500	4030	13500
10	25500	14300	23500	25400	14900	23000	---	---	---	17000	7250	14900
11	24400	12800	22400	26200	18900	23700	---	---	---	18500	9600	16000
12	25400	13500	23000	25300	15800	23400	---	---	---	16000	7900	13600
13	27400	12800	22800	26700	17000	23100	---	---	---	18900	7650	16600
14	28600	14200	25300	23600	14600	21500	---	---	17400	20400	6290	17900
15	30200	15800	26600	23600	20600	22400	19500	13400	18200	18800	5650	14200
16	30700	17000	27000	24600	13600	21500	21300	13900	19400	23400	11700	17500
17	30100	16200	26300	22300	12800	19600	17700	15600	16900	27100	8340	22300
18	28600	16200	25100	24700	20700	22200	18300	11500	16800	25700	5880	20800
19	28000	18400	25400	27500	21300	24000	17600	13400	15000	25200	5890	18600
20	28500	20100	26000	21600	19100	20300	14900	14400	14700	22600	13400	18000
21	28400	24800	26800	19100	17000	18000	15300	11300	14100	21400	5140	14900
22	32800	26700	30300	18300	11100	16700	15800	6990	12600	19700	2860	13900
23	34700	23800	31100	18400	7910	15700	17700	14600	16400	19000	2570	12400
24	31700	23200	29400	22500	17900	20400	18400	8620	17000	18200	2070	11000
25	28700	24900	27600	20600	11600	17600	19800	10300	18000	19600	1660	12500
26	---	17200	---	19300	10500	17100	26900	19100	22900	16900	3280	11900
27	---	---	---	19300	6090	17000	28300	16700	25500	15400	1240	10500
28	---	---	---	19500	8450	17500	27000	17400	21500	16600	5360	11400
29	---	---	---	19600	9020	17500	17900	9870	15700	20100	948	12800
30	24500	---	---	18900	11400	17600	16300	9090	13500	15200	1760	11800
31	26600	17700	24500	---	---	---	15900	7080	14000	5420	1220	2870

300910089374820 THE RIGOLETS AT CSX RAILROAD NEAR RIGOLETS, LA--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	15200	1400	10800	10900	2520	9420	8040	994	5880	13100	6820	10500
2	15300	1240	9840	10000	2270	8880	7020	746	4780	12900	4480	10200
3	20100	2640	13100	11400	955	8440	5210	983	4060	12000	4820	10500
4	17600	2070	12000	13700	4590	11100	4890	829	3750	11200	7140	9900
5	18400	617	11800	12100	1600	7020	5450	397	4160	9570	7540	9050
6	17000	1140	11900	11900	1060	6710	6630	1480	4490	9570	4930	8750
7	13700	3610	11500	10200	854	5170	6610	2770	4780	9210	4600	8500
8	14400	5280	12000	9710	459	4680	4690	1910	3990	10800	6160	8930
9	16600	6410	12900	6840	759	3340	5250	1330	4680	10800	5940	9190
10	12500	5340	11000	4690	439	2020	7570	2070	5810	10900	7030	9330
11	12500	5240	10800	3690	434	2200	8570	2080	5580	11300	6160	9610
12	11300	7020	9470	3330	527	1690	6470	1940	5430	10500	5680	9390
13	11900	3530	9620	3960	1260	2150	6600	1740	5050	9900	6080	9530
14	12000	2530	10100	8220	2720	5160	9040	3840	7020	9860	5900	9330
15	14100	3500	10900	7420	708	3810	9580	1040	6340	10800	5280	9890
16	17700	3830	11600	8650	1860	4820	9330	1700	6350	11300	5520	10500
17	20400	15100	18400	10700	1260	5460	7670	1400	5810	11300	4060	10300
18	16500	7370	14300	7430	929	4000	7690	970	4760	10700	2870	8870
19	14400	6420	12600	8230	664	4220	9200	3360	7090	10900	1950	7880
20	14400	4600	12300	11400	1060	7040	6500	2710	5430	11400	4470	10500
21	14700	4190	12200	10300	3190	6900	10800	6240	8540	10800	5220	10200
22	15700	4000	10500	9410	1110	4900	12800	5820	11000	10800	5150	9360
23	15300	6870	10300	6800	382	4450	13800	2770	10400	11600	9330	10400
24	18400	9560	14900	6180	561	3570	9430	3590	7710	11100	6110	10200
25	14200	3340	11500	3170	373	1190	8410	2160	7340	12200	6570	10300
26	12400	2240	8890	5120	468	3050	9380	2290	7760	13800	7560	11100
27	13000	2430	10200	4190	815	2990	10400	3110	8230	12900	5900	11200
28	12700	1720	8400	9430	1830	4260	10400	4810	8640	12600	5440	10700
29	---	---	---	9950	748	6760	9040	3160	7610	10800	5410	9990
30	---	---	---	6720	1100	4220	13100	4680	8950	10500	3080	9500
31	---	---	---	6550	429	4800	---	---	---	10400	4270	8890

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	10500	2370	7650	9010	4240	7350	10600	5820	8440	9450	2870	7770
2	10600	3690	9220	9260	5860	7740	16300	4750	11300	8050	2650	6970
3	10400	4700	9710	9520	4230	8110	19300	4940	13700	7010	1630	6330
4	14600	9540	11800	8540	3270	7440	19400	5880	15200	6610	1980	5610
5	22200	11800	16700	7390	3020	6630	19400	9880	15600	7590	2150	6380
6	24000	17300	20500	7630	2850	6880	17700	7090	14500	6970	1230	5290
7	20300	11100	16600	7340	2590	6630	15700	8030	13800	5960	2080	3680
8	15700	5870	12200	7270	2250	6460	12900	4960	9400	7120	1440	5050
9	11500	7900	9870	7720	2460	6960	8700	2420	5920	7720	1470	5290
10	10100	5850	9130	8110	2100	7370	7230	1900	5700	6460	975	4690
11	9780	4650	8030	8120	2000	7000	8320	1820	5500	6850	888	4870
12	9560	762	7590	7790	3480	6340	8710	2380	6600	7940	1730	5380
13	8930	831	5630	7400	3600	6090	8050	1090	6480	15500	2880	8780
14	9650	544	5380	6770	2040	5140	9820	1150	6730	12600	3630	9290
15	9970	3470	7800	7680	4800	6610	13300	1900	8770	9810	3050	7990
16	9630	1280	6230	11300	7380	9320	12200	2050	9020	8100	1740	6650
17	9300	1110	6920	12100	4850	9770	9990	739	7280	7610	1880	6390
18	8500	2340	7100	12700	6000	10200	7940	1160	5840	7890	2820	7180
19	7540	1900	6230	12100	5870	10100	8650	649	5990	6860	770	4550
20	7010	2130	6220	10700	5140	9220	7400	762	5060	7550	808	5060
21	8950	1770	7170	11400	5470	9360	6020	830	4540	9140	2520	6650
22	8980	2570	7450	12800	8440	10300	5200	1780	4570	8130	2230	6540
23	8310	3780	7580	14800	6910	11700	4810	676	3520	7900	2860	6400
24	7810	3720	7010	16600	7530	13000	5540	1020	4250	7680	2750	6460
25	7360	3680	6910	16000	5680	12500	5710	1400	4690	9410	3860	6960
26	7420	3130	6840	11300	4410	9480	6290	1870	5150	9760	4080	7630
27	7060	2580	6490	10700	3990	9590	6980	982	5850	8860	3990	7490
28	7040	2760	6040	9740	3570	8940	7960	2850	6510	8810	3920	7440
29	6930	1720	5460	9260	2320	8310	8460	3320	6860	9550	4620	7770
30	7970	5950	6770	8900	3640	8020	9130	3240	7390	9340	4140	7830
31	---	---	---	8690	2140	7310	9380	3420	7750	---	---	---

300910089374820 THE RIGOLETS AT CSX RAILROAD NEAR RIGOLETS, LA--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	8330	5060	7310	9950	3230	7330	11900	5320	10000	7550	2170	5590
2	8640	3490	7680	13300	4190	9270	11000	4600	9650	6680	2130	5370
3	8930	5780	8030	13900	5010	10600	10500	3620	9180	8880	3830	7120
4	9260	3840	7770	13700	5500	10500	10400	4980	8920	9010	4030	7880
5	12000	4920	9210	13000	5820	10800	11300	4010	9310	10400	5720	7300
6	13900	6630	10800	11600	5930	9740	10100	2160	8370	10400	5850	7000
7	14100	7160	11400	10600	5390	9140	8810	1600	7470	9260	5620	8230
8	15100	10500	12400	10600	5300	9280	8550	927	6340	9160	1810	7530
9	23300	15000	20500	10100	4890	9140	7690	1950	5230	8300	1050	6770
10	26500	16900	23300	9770	3630	9040	7950	1500	5720	7590	1030	6250
11	25300	18600	22300	9650	3450	8700	7650	2580	6770	7120	1370	6020
12	25900	16400	21700	9290	4470	8290	9950	4180	8080	7600	2010	6170
13	27000	13800	21900	15700	4200	9880	10400	3260	8110	8710	1620	6410
14	21500	10500	16000	16000	9330	13200	9660	5600	7910	10300	2660	7800
15	17400	7900	13700	14800	7560	11700	9020	5970	7850	10600	2050	7330
16	15000	9630	12100	13000	7080	10800	10500	4830	8660	9200	3040	7090
17	10900	6370	9990	10900	5700	9580	11600	5100	9090	8620	1780	6380
18	12000	4690	10300	10300	5430	9220	9760	3770	7860	7590	1410	5980
19	11100	2490	9130	10500	5980	9290	9710	1220	7700	7770	2920	6320
20	10100	2480	8820	10000	5730	9020	10900	2030	7810	9890	6230	7480
21	10400	2710	8480	10900	6270	9570	8860	3020	6390	10700	2130	7140
22	9780	2080	8120	11800	8730	10400	8240	2150	5920	11300	2670	7380
23	10000	2880	8000	15400	6730	12400	8600	1510	6220	12000	2800	8870
24	9930	1820	7920	16300	10500	14200	6710	1620	3900	11900	2480	8690
25	8970	2990	7660	12500	4870	9570	6220	685	2950	12700	3310	8080
26	8380	2360	7310	9940	5260	8830	8010	538	5200	10100	1160	6580
27	9610	7060	8620	12600	4810	9650	9590	4110	8220	8880	1000	6360
28	9480	2800	8390	15500	9730	12500	8430	892	6320	10900	1170	7310
29	8890	3250	8060	18200	12200	14900	7130	1690	5850	9610	1750	6830
30	8430	3790	7590	12700	9540	10300	7660	2280	5830	9720	1730	6930
31	7920	2280	6920	---	---	---	7760	1750	5660	9200	1340	6510

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	7490	1800	5440	18600	4520	9000	5640	357	4080	7100	4510	6030
2	7450	1580	5640	25300	8840	18900	5500	2530	4090	7120	4310	6170
3	7370	528	3770	15400	6220	10400	4500	573	3350	5950	2390	5490
4	7040	528	5580	7170	2940	6170	6650	1040	4660	5800	1840	5320
5	8760	1890	4350	7930	2940	7130	7910	992	6220	7080	2040	5510
6	15000	3030	9670	7220	1190	6020	6330	947	4840	8600	2840	6420
7	7830	5100	5950	8180	1840	6340	6220	958	4690	8790	3830	7450
8	6700	925	5030	11400	2440	7250	5130	1710	4200	9040	5630	7800
9	6040	235	4560	11000	2920	8030	5690	994	3850	8140	5130	6910
10	6330	175	4150	7630	4190	6740	5700	1790	4440	8890	5470	7480
11	7600	708	4880	8170	3720	6940	6370	1260	4750	10700	5660	8410
12	7130	840	5310	8780	2140	6970	4180	844	3100	16200	6640	10700
13	5840	629	4390	6770	3090	5950	4550	631	3030	11300	6300	8310
14	4600	1100	3180	6760	2930	5760	6150	691	4080	11700	6000	8820
15	4000	1100	2700	7090	1750	5410	7150	772	5530	19100	6000	12200
16	3730	518	2180	6010	1790	4780	7170	972	5110	19800	12200	15900
17	6380	812	4250	5590	716	3970	6640	728	4510	17600	8790	14400
18	8860	704	4970	6840	1240	5460	7210	585	4810	12800	7700	10600
19	13500	2830	6810	10000	4000	6470	7620	585	5420	13800	6810	10900
20	12900	3820	8970	9650	1930	6200	7370	1000	5250	13100	6140	10800
21	9910	1520	7960	6740	2180	5310	7240	406	5130	11900	5530	10800
22	8270	1600	6620	7770	2200	6520	7960	269	5630	16100	7920	12000
23	6520	2270	5620	6640	1510	5310	5480	2420	4380	17700	10200	13000
24	6470	1490	5330	7970	676	4900	4630	1230	3900	21400	9840	15100
25	6960	1620	5260	9690	1280	6200	4760	860	3700	22700	9510	16900
26	7520	1640	5600	9800	1200	5780	6910	2720	4820	24200	11200	18200
27	8290	5200	7060	6320	2510	4210	9030	3010	6230	22600	10500	18300
28	7530	2630	5700	5980	836	3790	6880	2640	5450	22900	13600	18100
29	---	---	---	7640	587	3880	5670	2420	4930	24300	12700	20200
30	---	---	---	7690	495	5440	5880	2300	5290	25300	14100	21300
31	---	---	---	4780	657	3570	---	---	---	25400	14200	21100

300910089374820 THE RIGOLETS AT CSX RAILROAD NEAR RIGOLETS, LA--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	22200	9680	19300	13700	6020	11900	12800	4920	10300	17700	7170	12200
2	18000	8280	15100	12400	4850	10700	14200	4900	11200	18100	9080	13200
3	15600	6550	13200	11200	4990	9870	19900	8270	15300	18800	11200	16100
4	16000	5600	13400	11100	4830	9580	26200	13000	20200	18500	11700	16400
5	20300	10500	16100	11400	4930	9780	30300	16100	26100	19800	11600	17500
6	22900	6950	16900	13900	6940	11400	23400	9160	20200	22100	16100	18400
7	19400	6010	15800	15200	6440	12600	21000	7760	18200	25600	13000	20800
8	18900	9190	15400	18400	10000	14800	21400	14800	17600	29100	16200	20700
9	23600	14600	19200	18700	9550	15900	23500	7160	18000	26800	16100	23600
10	25600	14600	21900	19800	10500	16600	21400	7160	17700	23400	16800	19200
11	24700	14400	21700	19700	10400	17100	20600	8670	17100	16900	8730	15000
12	22300	11700	20100	19000	10800	16700	18200	6910	14300	16700	8200	14600
13	20400	9740	17000	18500	7580	16400	14600	3860	11700	20600	15600	18700
14	18300	7450	13100	17200	5390	13300	14600	3290	11800	27500	19200	22700
15	16100	7250	12600	12500	5910	11300	14000	5280	11800	21100	9020	15400
16	14700	7260	12800	12100	3630	9790	15500	5800	12300	16300	6260	13100
17	19600	10000	15200	12100	3570	10000	15500	6040	12700	14700	5750	12700
18	19900	9240	17200	12700	3330	10300	15100	4580	12000	13900	11400	12600
19	19600	15100	18100	12300	4200	10500	14400	5070	12700	14400	11300	12900
20	19400	9770	17200	13500	4560	11100	14900	5900	12800	16400	6630	13500
21	19400	10100	16900	13300	6780	11600	---	---	---	18100	12800	15300
22	19400	12100	17300	15200	7700	12600	13800	5530	12400	21100	13500	18600
23	18500	11800	17100	15300	6700	12700	13200	4590	11800	21700	19200	20600
24	19200	13000	17100	16000	6700	13200	12900	4620	11700	25400	19400	21900
25	18600	12300	16900	16700	7950	13600	12700	5850	10800	28200	18900	24700
26	16800	9390	15700	16000	6340	13300	11900	4720	9450	32600	19500	26500
27	15400	12300	14300	15800	6310	13600	11000	4320	8470	21200	12500	17400
28	14700	9110	13600	14800	7140	13100	11300	4560	8690	14500	11400	13300
29	13900	10500	13000	14000	4600	11000	11600	4480	9110	---	---	---
30	14400	7840	12500	13100	3740	10600	13100	4550	8690	912	52	378
31	---	---	---	13500	3160	10800	12800	6410	9680	---	---	---

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, OCTOBER TO NOVEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	57	44	50	7040	1840	5680	---	---	---	---	---	---
2	52	43	45	7090	2160	6040	---	---	---	---	---	---
3	48	42	45	6880	1380	4350	---	---	---	---	---	---
4	45	40	43	7870	570	4940	---	---	---	---	---	---
5	4060	42	780	6790	1420	4650	---	---	---	---	---	---
6	1780	42	480	8240	4910	7310	---	---	---	---	---	---
7	44	42	42	7470	856	5840	---	---	---	---	---	---
8	43	42	42	7150	1230	5310	---	---	---	---	---	---
9	43	42	42	6100	992	4250	---	---	---	---	---	---
10	6890	42	2910	5310	891	3960	---	---	---	---	---	---
11	8960	1010	5990	4620	896	3230	---	---	---	---	---	---
12	9120	800	6470	7280	883	3440	---	---	---	---	---	---
13	9140	1210	6270	7270	728	4670	---	---	---	---	---	---
14	9080	1550	6200	---	---	---	---	---	---	---	---	---
15	7870	1460	5320	---	---	---	---	---	---	---	---	---
16	8970	1760	6970	---	---	---	---	---	---	---	---	---
17	8630	891	6660	---	---	---	---	---	---	---	---	---
18	8560	5130	7060	---	---	---	---	---	---	---	---	---
19	6290	2080	4390	---	---	---	---	---	---	---	---	---
20	7230	1120	5300	---	---	---	---	---	---	---	---	---
21	6450	1330	5220	---	---	---	---	---	---	---	---	---
22	6360	1450	5190	---	---	---	---	---	---	---	---	---
23	6110	1590	4990	---	---	---	---	---	---	---	---	---
24	6190	2280	5150	---	---	---	---	---	---	---	---	---
25	6720	2360	5580	---	---	---	---	---	---	---	---	---
26	7930	2520	6080	---	---	---	---	---	---	---	---	---
27	7690	2940	6230	---	---	---	---	---	---	---	---	---
28	9160	2420	6610	---	---	---	---	---	---	---	---	---
29	9160	1740	7180	---	---	---	---	---	---	---	---	---
30	9030	1320	6300	---	---	---	---	---	---	---	---	---
31	8550	1540	6090	---	---	---	---	---	---	---	---	---

300910089374820 THE RIGOLETS AT CSX RAILROAD NEAR RIGOLETS, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.0	23.8	14.0	6.5	11.9	18.7	16.8	23.1	28.0	28.9	30.2	29.1
2	24.7	23.8	14.2	5.7	11.3	19.1	17.7	23.5	28.0	29.3	29.6	28.8
3	24.9	23.9	13.2	5.3	10.7	19.5	18.7	24.1	28.4	29.6	29.3	28.4
4	25.1	24.1	11.6	5.1	10.3	18.3	19.5	24.4	28.8	29.8	29.4	28.4
5	25.9	24.3	11.6	5.7	10.4	17.0	20.6	24.0	28.4	29.7	29.7	28.8
6	26.4	23.7	11.5	6.1	10.9	16.3	21.6	24.1	27.6	29.9	29.9	28.8
7	25.3	23.6	11.6	6.9	11.6	15.9	22.4	24.6	26.9	30.3	29.6	28.7
8	22.7	24.1	11.8	7.6	12.4	16.0	23.0	24.8	26.3	30.5	29.0	28.6
9	18.9	23.3	12.1	7.5	13.5	16.0	23.9	25.0	26.2	30.9	28.8	28.2
10	18.0	21.5	12.5	7.3	13.8	15.4	24.5	25.2	25.9	31.0	29.0	28.0
11	17.8	19.9	12.9	7.6	13.5	15.7	24.9	25.8	25.7	30.6	28.6	28.2
12	17.9	19.0	12.9	7.9	14.0	16.3	25.2	26.0	27.0	30.1	28.3	28.3
13	18.5	18.5	12.0	8.1	14.8	16.8	25.5	26.1	27.3	29.9	28.0	28.2
14	19.3	17.0	12.7	8.6	15.4	17.5	25.9	26.6	27.5	29.7	28.1	27.6
15	19.8	15.6	12.4	9.7	16.7	16.9	25.8	26.4	27.9	29.6	28.7	27.7
16	20.3	15.6	13.0	9.8	17.7	17.3	25.4	26.6	28.5	29.4	29.0	27.8
17	21.1	15.6	11.7	9.8	17.0	16.6	24.7	27.0	28.4	29.5	29.1	27.8
18	21.7	14.1	10.8	10.6	15.3	15.7	22.0	27.5	28.7	30.0	29.3	27.9
19	21.8	12.7	10.2	11.1	14.9	15.6	21.9	27.2	28.8	30.3	29.6	27.6
20	22.0	12.6	8.9	9.4	15.4	15.0	21.3	27.3	29.1	30.9	29.4	27.8
21	22.2	12.5	8.9	8.8	16.1	14.5	21.9	27.2	29.7	30.7	29.8	27.9
22	22.9	12.1	8.3	8.6	16.9	15.3	22.7	26.9	29.2	30.6	30.3	28.0
23	23.4	12.2	7.9	8.4	16.3	16.0	22.8	26.2	29.2	30.7	29.7	28.0
24	23.2	13.0	8.0	8.3	16.7	16.7	23.4	25.8	29.0	31.1	29.9	27.9
25	23.0	13.1	8.2	8.5	17.5	17.0	22.4	26.0	28.8	30.5	29.9	26.4
26	---	13.2	8.3	8.8	17.5	16.4	22.0	26.3	28.8	29.2	30.1	24.8
27	---	13.5	9.0	9.4	18.1	15.8	22.0	26.8	28.5	28.9	30.7	24.2
28	---	13.6	9.1	10.4	18.6	14.9	22.2	27.1	28.5	29.2	30.3	23.8
29	---	13.9	8.4	11.4	---	14.4	22.7	26.9	29.1	29.9	29.7	23.3
30	---	14.2	7.2	11.7	---	15.3	23.0	28.0	28.9	30.3	29.2	23.0
31	23.7	---	6.5	11.6	---	16.3	---	28.5	---	30.4	29.2	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.2	18.6	18.7	9.8	17.7	11.8	20.5	27.0	27.4	29.4	29.4	---
2	22.8	19.2	18.4	8.5	16.0	12.3	20.8	27.3	28.0	29.5	29.3	---
3	23.2	19.6	18.3	7.5	15.1	11.7	21.5	27.8	28.8	29.7	29.5	---
4	23.5	19.9	18.1	7.1	14.7	9.6	20.6	28.2	29.5	30.1	29.5	---
5	23.9	19.4	18.5	7.1	13.2	10	19.8	28.7	29.9	30.0	28.3	---
6	24.1	19.5	19.0	7.5	11.7	10.7	19.2	28.9	29.9	30.1	28.4	---
7	22.6	19.6	19.3	7.5	11.1	11.6	19.2	28.8	30.4	30.5	---	---
8	21.9	19.7	19.4	7.3	10.7	12.7	19.4	28.8	30.5	30.2	---	---
9	22.2	20.0	18.7	7.9	11.1	13.7	19.4	28.8	30.1	30.1	---	---
10	22.6	20.0	18.5	8.5	11.7	13.5	19.8	28.8	29.5	30.3	---	27.7
11	23.1	20.1	18.0	9.1	11.8	13.7	20.7	28.7	29.4	30.8	---	28.7
12	23.6	20.0	17.4	9.8	11.7	14.2	20.8	28.7	29.7	30.9	---	---
13	24.1	19.9	17.9	9.8	12.1	14.7	21.1	28.2	30.2	30.7	---	28.8
14	23.2	19.7	18.3	10.2	12.1	15.1	21.8	26.5	30.3	30.0	---	28.8
15	23.0	19.4	17.8	10.3	12.1	16.3	22.5	25.6	30.0	29.7	---	---
16	22.2	19.3	18.2	10.4	12.5	17.6	22.8	25.6	29.4	30.4	---	---
17	21.2	19.1	18.8	10.9	13.6	19.6	23.3	26.0	28.5	30.6	---	31.7
18	19.8	19.0	18.3	11.6	13.9	20.2	24.0	25.3	28.0	30.8	---	31.3
19	19.4	19.0	17.7	12.6	14.2	21.3	24.9	23.7	28.3	31.3	---	31.3
20	19.9	19.0	16.3	12.4	15.3	22.0	25.5	22.6	28.6	31.7	30.3	31.2
21	20.4	17.8	15.3	12.3	15.5	21.3	25.8	22.8	28.5	31.6	---	31.1
22	21.1	17.3	15.2	12.8	15.3	19.6	25.7	22.6	28.1	31.2	---	30.8
23	21.7	17.9	15.6	13.7	14.5	18.5	25.3	22.8	27.5	30.9	29.8	29.7
24	22.4	18.6	14.3	15.0	14.4	18.1	25.6	23.4	27.8	31.0	30.4	28.5
25	22.6	18.9	13.1	15.3	14.7	18.3	25.3	24.3	28.1	30.6	30.6	---
26	21.5	19.1	12.1	14.9	15.0	18.9	25.3	25.1	28.2	30.3	---	---
27	20.9	19.8	11.5	14.9	13.1	18.3	25.9	25.8	28.1	30.4	---	---
28	18.5	20.5	11.3	15.2	11.8	18.5	26.1	26.3	28.2	30.6	---	---
29	17.6	20.7	11.5	15.7	---	19.0	26.8	27.0	28.5	30.6	---	---
30	17.6	19.3	11.3	16.4	---	20.4	27.1	26.8	29.2	30.0	---	26.0
31	17.8	---	10.7	17.2	---	20.6	---	26.8	---	29.6	---	---

300910089374820 THE RIGOLETS AT CSX RAILROAD NEAR RIGOLETS, LA--Continued

WATER TEMPERATURE, DEGREES CELSIUS, OCTOBER TO NOVEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.3	21.2	---	---	---	---	---	---	---	---	---	---
2	26.8	20.7	---	---	---	---	---	---	---	---	---	---
3	26.8	19.7	---	---	---	---	---	---	---	---	---	---
4	26.8	19.6	---	---	---	---	---	---	---	---	---	---
5	27.3	19.7	---	---	---	---	---	---	---	---	---	---
6	27.4	19.1	---	---	---	---	---	---	---	---	---	---
7	27.4	18.4	---	---	---	---	---	---	---	---	---	---
8	26.7	18.3	---	---	---	---	---	---	---	---	---	---
9	26.4	18.3	---	---	---	---	---	---	---	---	---	---
10	24.3	18.9	---	---	---	---	---	---	---	---	---	---
11	26.5	19.8	---	---	---	---	---	---	---	---	---	---
12	26.6	19.6	---	---	---	---	---	---	---	---	---	---
13	26.2	18.3	---	---	---	---	---	---	---	---	---	---
14	24.7	---	---	---	---	---	---	---	---	---	---	---
15	23.6	---	---	---	---	---	---	---	---	---	---	---
16	23.1	---	---	---	---	---	---	---	---	---	---	---
17	22.2	---	---	---	---	---	---	---	---	---	---	---
18	22.2	---	---	---	---	---	---	---	---	---	---	---
19	22.1	---	---	---	---	---	---	---	---	---	---	---
20	22.6	---	---	---	---	---	---	---	---	---	---	---
21	22.8	---	---	---	---	---	---	---	---	---	---	---
22	22.7	---	---	---	---	---	---	---	---	---	---	---
23	22.9	---	---	---	---	---	---	---	---	---	---	---
24	22.8	---	---	---	---	---	---	---	---	---	---	---
25	22.7	---	---	---	---	---	---	---	---	---	---	---
26	22.9	---	---	---	---	---	---	---	---	---	---	---
27	23.0	---	---	---	---	---	---	---	---	---	---	---
28	23.4	---	---	---	---	---	---	---	---	---	---	---
29	23.5	---	---	---	---	---	---	---	---	---	---	---
30	23.2	---	---	---	---	---	---	---	---	---	---	---
31	22.4	---	---	---	---	---	---	---	---	---	---	---

301104089253400 USCG ST JOSEPH ISLAND LIGHT 22

LOCATION.--Lat 30°11'04", long 89°25'34", St. Stevens Meridian, Hancock County, Hydrologic Unit 03170009, on the USCG St. Joseph Island Light platform, in the Mississippi Sound.

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

PERIOD OF RECORD.--Water year 2000.

PERIOD OF DAILY RECORD.--
GAGE HEIGHT: July 2000 to current year.
SPECIFIC CONDUCTANCE: July 2000 to current year.
WATER TEMPERATURE: July 2000 to current year.

INSTRUMENTATION.--Submersible transducer and data-collection platform since July 2000. Datum of gage is undetermined. Water-quality monitor since July 2000.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--
GAGE HEIGHT: Maximum recorded, 9.04 ft, Sept. 26, 2002, but may have been higher during periods of instrument malfunction; minimum recorded, 1.10 ft, Dec. 19, 2000, but may have been lower during periods of instrument malfunction.
SPECIFIC CONDUCTANCE: Maximum recorded, 46,500 microsiemens, Sept. 7, 2000, but may have been higher during periods of instrument malfunction; minimum recorded, 1,520 microsiemens, Apr. 15, 2002, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 32.5°C, July 20, 2002, but may have been higher during periods of instrument malfunction; minimum recorded, 6.6°C, Jan. 5, 2002, but may have been lower during periods of instrument malfunction.

EXTREMES FOR CURRENT YEAR.--
GAGE HEIGHT: Maximum recorded, 9.04 ft, Sept. 26, but may have been higher during periods of instrument malfunction; minimum recorded, 1.42 ft, Jan. 7, but may have been lower during periods of instrument malfunction.
SPECIFIC CONDUCTANCE: Maximum recorded, 38,500 microsiemens, Mar. 2, but may have been higher during periods of instrument malfunction; minimum recorded, 1,520 microsiemens, Apr. 15, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 32.5°C, July 20, but may have been higher during periods of instrument malfunction; minimum recorded, 6.6°C, Jan. 5, but may have been lower during periods of instrument malfunction.

GAGE HEIGHT, FEET, JULY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	4.57	2.47	3.60	4.61	3.16	3.66
2	---	---	---	---	---	---	4.45	2.66	3.64	4.18	3.26	3.67
3	---	---	---	---	---	---	4.11	2.96	3.49	4.32	3.59	3.89
4	---	---	---	---	---	---	3.80	2.95	3.46	---	---	---
5	---	---	---	---	---	---	3.41	3.00	3.25	4.37	3.19	3.88
6	---	---	---	---	---	---	3.81	3.07	3.36	4.75	3.85	4.37
7	---	---	---	---	---	---	4.15	3.17	3.68	5.77	4.28	5.00
8	---	---	---	---	---	---	4.23	2.87	3.58	5.28	3.66	4.55
9	---	---	---	---	---	---	4.09	2.59	3.40	5.05	3.57	4.32
10	---	---	---	---	---	---	4.00	2.37	3.40	4.90	3.53	4.22
11	---	---	---	---	---	---	4.73	2.74	3.63	5.14	3.73	4.40
12	---	---	---	---	---	---	4.18	2.79	3.54	4.69	3.37	4.16
13	---	---	---	---	---	---	4.59	2.85	3.72	4.48	3.44	3.97
14	---	---	---	3.44	2.03	2.63	4.57	2.71	3.68	4.36	3.49	3.97
15	---	---	---	4.32	2.12	3.24	4.06	2.42	3.28	4.39	3.55	3.91
16	---	---	---	4.25	2.32	3.27	3.87	2.37	3.14	4.63	3.92	4.34
17	---	---	---	3.95	2.19	3.09	3.92	2.59	3.26	4.86	3.94	4.43
18	---	---	---	4.00	2.24	3.16	3.88	2.81	3.37	5.16	3.56	4.19
19	---	---	---	3.92	2.23	3.07	3.44	2.77	3.12	4.24	3.09	3.73
20	---	---	---	3.88	2.25	3.07	3.74	2.88	3.14	4.64	3.19	3.94
21	---	---	---	3.91	2.42	3.11	3.83	3.15	3.49	4.87	3.53	4.21
22	---	---	---	3.86	2.67	3.23	4.38	3.55	3.90	5.49	3.31	4.41
23	---	---	---	3.37	2.96	3.15	4.75	3.10	3.91	4.75	2.78	3.83
24	---	---	---	3.68	2.92	3.28	4.61	2.95	3.79	4.49	2.87	3.74
25	---	---	---	4.02	2.95	3.44	4.51	2.57	3.62	3.94	2.19	3.28
26	---	---	---	4.17	2.71	3.56	4.26	2.56	3.43	4.06	2.33	3.33
27	---	---	---	4.46	2.70	3.63	4.50	2.63	3.57	3.95	3.19	3.56
28	---	---	---	4.58	2.52	3.64	4.30	2.53	3.48	4.07	3.61	3.80
29	---	---	---	4.57	2.39	3.53	3.79	2.53	3.19	4.39	3.75	4.08
30	---	---	---	4.54	2.36	3.39	4.58	2.55	3.65	4.56	3.74	4.12
31	---	---	---	4.55	2.36	3.45	4.18	3.29	3.70	---	---	---

301104089253400 USCG ST JOSEPH ISLAND LIGHT 22--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	4.68	3.84	4.18	4.77	3.08	3.91	4.13	2.73	3.45	---	---	---
2	4.55	3.43	3.98	4.87	3.26	4.01	4.14	2.44	3.01	---	---	---
3	4.63	3.28	3.97	4.70	3.19	3.90	3.60	2.63	2.96	---	---	---
4	4.79	3.33	4.04	4.35	3.11	3.75	3.93	2.90	3.33	---	---	---
5	4.49	3.08	3.80	4.34	3.14	3.80	3.46	2.67	3.20	---	---	---
6	4.62	2.96	3.81	5.16	4.31	4.70	3.75	3.04	3.39	---	---	---
7	4.25	2.74	3.60	4.76	4.08	4.34	3.91	2.86	3.44	---	---	---
8	3.67	2.49	3.17	5.36	4.65	4.95	4.22	2.88	3.56	---	---	---
9	4.25	2.57	3.41	5.36	3.60	4.16	4.53	2.62	3.49	---	---	---
10	3.99	2.78	3.33	4.53	3.64	4.07	4.61	2.43	3.55	---	---	---
11	3.61	2.91	3.33	4.55	3.28	3.99	4.87	2.52	3.62	---	---	---
12	3.97	3.31	3.66	4.87	3.02	3.92	4.56	2.18	3.40	---	---	---
13	4.27	3.15	3.74	4.87	2.91	3.87	4.95	3.00	4.02	---	---	---
14	4.44	3.31	3.92	4.58	2.52	3.34	4.95	2.31	3.49	---	---	---
15	4.64	3.21	3.94	4.53	2.67	3.57	4.52	2.68	3.28	---	---	---
16	4.69	2.99	3.87	4.72	2.99	3.85	---	2.03	2.99	---	---	---
17	4.82	2.93	3.84	4.70	2.80	3.70	3.08	1.18	1.99	---	---	---
18	4.52	2.82	3.69	5.10	3.84	4.37	3.27	2.30	2.99	4.20	2.62	3.41
19	---	---	---	5.43	3.40	4.31	2.30	1.10	1.62	3.88	2.43	2.94
20	4.58	2.96	3.82	3.95	2.72	3.29	3.30	1.90	2.58	2.69	1.38	2.07
21	4.49	3.41	4.00	3.08	2.29	2.71	3.24	2.82	3.07	3.02	1.73	2.38
22	4.94	3.90	4.42	3.37	2.36	2.86	3.68	2.04	2.84	3.23	1.48	2.33
23	4.71	3.81	4.31	4.32	2.44	3.33	3.92	2.43	3.18	3.16	1.48	2.28
24	4.69	3.94	4.25	4.89	3.36	4.29	3.78	2.18	2.98	3.05	1.45	2.29
25	4.53	3.56	4.13	4.61	2.73	3.58	4.17	2.31	3.20	3.30	1.25	2.18
26	4.65	3.63	4.16	4.59	2.61	3.51	4.77	3.14	3.81	3.40	1.94	2.67
27	4.65	3.51	4.10	4.27	2.28	3.28	4.71	2.95	3.75	3.61	1.98	2.81
28	4.82	3.09	3.90	4.30	2.27	3.25	4.71	2.51	3.46	3.81	2.45	3.16
29	4.82	3.22	3.98	4.32	2.37	3.31	---	---	---	3.95	3.12	3.64
30	4.74	3.11	3.89	4.04	2.53	3.21	---	---	---	3.48	2.71	3.22
31	4.75	3.01	3.85	---	---	---	---	---	---	3.58	2.58	3.22
		FEBRUARY			MARCH			APRIL			MAY	
1	3.74	2.29	3.08	4.14	2.60	3.44	4.36	2.26	3.34	5.02	3.16	4.17
2	3.14	1.98	2.55	4.25	2.76	3.48	4.62	2.34	3.53	4.80	3.36	4.17
3	3.40	1.82	2.64	4.94	2.59	3.70	4.51	2.79	3.77	4.60	3.55	4.18
4	3.49	1.52	2.51	3.42	1.76	2.64	4.62	2.85	3.73	4.42	3.49	3.95
5	3.41	1.29	2.38	3.05	1.60	2.41	4.52	3.09	3.84	4.34	3.39	3.95
6	3.89	1.38	2.59	3.32	1.32	2.29	4.54	3.37	3.99	4.56	3.09	3.97
7	4.07	1.72	2.88	3.53	1.62	2.58	4.39	3.48	3.96	4.68	3.09	3.94
8	4.31	2.00	3.04	3.91	1.73	2.83	4.26	3.14	3.83	5.12	3.11	4.12
9	4.42	2.46	3.30	3.91	2.73	3.22	4.24	2.91	3.73	5.03	2.87	3.97
10	3.76	2.20	2.86	4.01	3.39	3.65	4.50	2.98	3.82	5.01	2.84	3.98
11	3.53	2.43	2.97	4.37	3.53	4.05	5.07	3.09	4.16	5.03	3.18	4.04
12	3.39	2.94	3.16	4.57	3.62	4.21	4.83	3.33	4.03	4.82	2.94	3.85
13	3.70	2.81	3.25	4.27	2.58	3.68	4.56	2.82	3.74	4.66	2.88	3.74
14	3.67	2.63	3.11	5.52	2.58	4.16	4.55	2.44	3.48	4.42	2.91	3.71
15	3.84	2.33	3.08	5.77	3.35	4.37	3.90	2.77	3.33	4.28	2.77	3.51
16	3.84	2.10	2.93	4.23	2.50	3.30	4.43	2.62	3.54	3.98	2.64	3.35
17	3.39	1.30	2.38	4.35	2.61	3.53	3.58	2.51	3.13	3.82	2.83	3.37
18	3.59	1.93	2.77	4.42	2.93	3.71	3.97	2.90	3.32	3.81	3.03	3.46
19	4.12	2.26	3.14	4.50	3.27	3.83	3.83	2.44	3.18	3.65	2.75	3.22
20	3.96	2.11	3.05	3.89	2.24	2.65	4.30	3.11	3.72	3.83	2.73	3.19
21	4.21	2.43	3.32	3.46	1.67	2.54	4.53	4.00	4.24	4.24	2.69	3.48
22	4.18	2.53	3.26	3.42	2.32	2.89	4.54	3.95	4.26	4.08	2.38	3.42
23	4.51	2.89	3.58	3.63	2.33	3.02	4.71	3.44	4.21	4.84	2.45	3.67
24	4.69	3.63	4.18	3.60	2.85	3.29	4.40	2.67	3.76	4.44	2.43	3.47
25	4.47	3.16	3.57	3.70	2.82	3.29	4.42	2.67	3.72	4.56	2.35	3.46
26	3.94	2.82	3.35	4.14	2.63	3.45	4.75	2.64	3.74	4.83	2.26	3.69
27	3.37	2.84	3.09	4.18	2.83	3.56	4.53	2.45	3.45	4.70	2.38	3.51
28	3.74	2.60	3.36	5.60	2.99	4.37	4.84	2.41	3.67	4.47	2.48	3.48
29	---	---	---	5.33	3.31	4.51	4.72	2.60	3.72	4.10	2.33	3.26
30	---	---	---	4.44	2.59	3.69	5.33	3.07	4.30	3.87	2.40	3.28
31	---	---	---	4.64	2.59	3.55	---	---	---	3.80	2.89	3.35

301104089253400 USCG ST JOSEPH ISLAND LIGHT 22--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	3.77	2.63	3.24	4.67	3.14	3.98	4.58	2.70	3.82	---	3.06	---
2	4.07	2.58	3.37	5.17	3.29	4.15	5.28	3.48	4.44	4.47	3.01	3.80
3	4.04	2.36	3.30	4.98	3.16	4.10	5.70	3.56	4.82	4.55	3.20	3.88
4	4.47	2.64	3.67	4.97	2.69	3.87	5.66	3.92	4.84	4.36	3.09	3.83
5	5.22	2.75	4.09	4.69	2.60	3.63	5.71	3.98	4.91	4.17	3.18	3.82
6	5.37	2.88	4.30	4.63	2.54	3.65	5.46	3.71	4.72	4.12	3.52	3.85
7	5.24	2.70	4.05	4.63	2.54	3.65	4.54	3.05	3.94	4.27	3.75	4.06
8	4.71	2.47	3.64	4.36	2.56	3.45	4.40	3.05	3.66	4.67	3.29	4.00
9	4.42	2.42	3.51	4.12	2.51	3.29	3.80	3.28	3.65	5.11	3.29	4.09
10	4.13	2.63	3.58	3.89	2.33	3.13	3.54	3.24	3.42	4.80	2.99	3.89
11	5.03	2.74	3.73	3.97	2.37	3.02	4.38	2.29	3.38	4.66	2.84	3.82
12	4.51	2.66	3.69	3.73	2.33	3.04	4.30	2.62	3.38	5.18	3.89	4.57
13	4.16	2.81	3.61	3.51	2.33	3.10	4.26	2.54	3.41	6.01	3.82	4.99
14	4.15	3.09	3.67	3.79	2.68	3.17	4.59	2.50	3.60	5.85	3.33	4.69
15	3.46	2.95	3.27	4.35	3.14	3.78	4.91	2.71	3.90	5.23	2.95	4.20
16	3.69	2.65	3.05	4.59	3.33	4.01	4.91	2.60	3.92	4.74	2.97	3.89
17	4.03	2.48	3.25	4.62	2.87	3.84	4.60	2.62	3.74	4.39	3.17	3.92
18	4.42	2.82	3.64	4.94	2.78	3.96	4.69	2.73	3.69	4.49	3.32	3.89
19	4.61	2.40	3.64	4.91	2.50	3.82	4.87	2.89	3.99	4.22	3.62	4.01
20	4.49	2.28	3.47	4.64	2.25	3.57	4.83	3.09	3.96	4.75	3.13	3.92
21	4.51	2.15	3.43	5.23	2.25	3.55	4.41	3.14	3.93	5.09	3.49	4.25
22	4.28	2.07	3.25	5.23	2.44	4.03	4.27	3.26	4.02	4.89	3.37	4.09
23	4.83	2.07	3.57	5.20	2.96	4.16	4.21	3.52	3.90	4.90	3.18	4.01
24	4.76	2.40	3.64	5.06	3.26	4.29	4.48	3.15	3.80	4.85	3.16	3.97
25	4.37	2.37	3.41	4.67	3.56	4.15	4.43	2.83	3.69	4.97	3.08	4.05
26	4.27	2.50	3.48	4.39	3.42	3.78	4.46	2.77	3.65	4.78	3.14	4.03
27	4.18	2.76	3.45	4.54	3.27	3.86	4.38	2.63	3.55	4.63	3.16	3.98
28	3.87	2.84	3.48	4.42	2.73	3.64	4.58	2.47	3.58	4.78	3.26	4.06
29	4.04	3.24	3.65	4.16	2.30	3.35	4.56	2.66	3.69	4.94	3.50	4.22
30	4.81	3.25	3.94	4.09	2.27	3.28	4.65	3.00	3.88	4.65	3.46	4.12
31	---	---	---	4.08	2.22	3.27	4.66	2.95	3.90	---	---	---

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	4.03	3.25	3.67	4.98	3.24	4.12	4.85	2.60	3.70	4.57	2.34	3.27
2	3.96	3.42	3.72	5.06	3.27	4.21	4.72	2.34	3.42	4.51	2.34	3.14
3	4.34	3.24	3.80	5.10	3.39	4.25	4.58	2.35	3.43	3.76	1.72	2.58
4	4.56	3.44	4.06	5.10	3.13	4.03	4.68	2.50	3.65	3.15	1.68	2.45
5	4.99	3.45	4.24	5.00	3.27	4.09	4.85	2.75	3.74	5.55	2.94	4.10
6	5.03	3.26	4.02	4.77	2.80	3.80	4.50	2.69	3.56	4.73	1.74	2.55
7	5.08	3.32	4.17	4.72	2.85	3.80	4.40	2.64	3.53	2.87	1.42	2.21
8	5.06	3.85	4.43	4.73	2.92	3.89	4.02	3.02	3.65	3.09	1.62	2.37
9	5.57	4.34	4.93	4.51	2.82	3.70	3.92	3.13	3.47	3.65	1.55	2.59
10	5.83	3.99	4.97	4.29	2.83	3.67	4.07	3.30	3.59	4.10	1.70	2.88
11	5.92	4.03	4.94	4.16	3.61	3.89	4.63	2.75	3.64	4.12	1.76	2.96
12	6.05	3.67	4.99	4.20	3.32	3.84	4.60	2.96	3.84	4.23	1.89	3.05
13	6.35	4.21	5.39	4.92	3.11	4.22	5.11	2.60	3.79	4.44	1.92	3.08
14	4.81	3.80	4.24	4.87	3.51	4.19	5.04	2.35	3.49	4.44	2.49	3.48
15	5.31	4.12	4.66	4.70	3.10	3.88	5.09	2.87	3.87	4.30	2.14	3.07
16	4.12	2.97	3.57	4.62	2.66	3.55	5.34	2.74	3.87	3.97	2.52	3.23
17	4.22	3.49	3.80	4.42	2.46	3.37	5.34	2.79	3.67	3.85	2.29	3.09
18	4.65	3.02	3.81	4.48	2.29	3.31	4.17	2.61	3.27	3.93	2.28	3.13
19	4.76	2.74	3.78	4.59	2.62	3.53	4.33	2.04	2.95	3.65	2.09	2.98
20	4.87	2.91	3.82	4.36	2.64	3.44	3.57	2.46	2.97	3.88	2.58	3.48
21	4.96	3.04	3.96	4.52	2.87	3.77	3.97	2.88	3.47	3.87	2.82	3.29
22	4.82	3.02	3.89	4.65	3.32	4.03	4.69	3.35	3.86	4.26	2.72	3.56
23	4.92	3.25	4.11	4.95	3.22	4.13	4.72	3.47	3.94	4.25	2.77	3.52
24	4.94	3.24	4.11	5.06	3.76	4.37	3.75	3.40	3.56	4.54	2.51	3.58
25	4.53	3.30	3.99	4.10	3.56	3.83	3.89	2.96	3.53	4.03	2.30	3.29
26	4.36	3.09	3.86	4.30	3.70	3.92	3.54	2.25	2.97	4.34	2.35	3.35
27	3.58	2.79	3.29	4.94	3.36	4.15	3.91	1.77	2.77	4.76	2.18	3.40
28	4.15	3.05	3.62	5.34	3.60	4.43	4.64	1.88	3.32	4.76	2.28	3.45
29	4.05	3.57	3.75	5.28	3.82	4.44	4.59	2.11	3.43	4.70	2.48	3.54
30	4.10	3.22	3.82	4.94	2.63	3.73	4.61	2.51	3.51	4.70	2.68	3.62
31	4.52	3.16	3.89	---	---	---	4.60	2.34	3.47	4.63	2.88	3.74

301104089253400 USCG ST JOSEPH ISLAND LIGHT 22--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	4.43	2.19	3.05	5.43	3.85	4.53	4.85	2.76	3.82	4.36	2.24	3.33
2	3.30	2.83	3.12	6.29	3.84	5.03	5.05	2.76	3.95	4.49	2.48	3.50
3	3.36	2.41	3.15	3.84	2.45	3.23	4.87	2.91	3.78	4.44	2.54	3.53
4	3.57	2.24	2.90	3.09	1.98	2.41	4.35	2.81	3.56	4.17	2.45	3.37
5	5.28	2.53	3.74	3.67	1.57	2.64	4.13	2.48	3.30	4.21	2.55	3.54
6	5.28	3.69	4.34	4.05	1.90	3.03	4.31	2.55	3.51	4.34	3.01	3.76
7	4.06	2.03	3.09	4.39	2.30	3.42	4.91	2.58	3.83	4.16	3.43	3.83
8	4.04	2.11	3.11	4.71	2.58	3.68	5.21	3.74	4.57	4.07	3.66	3.89
9	4.42	2.03	3.23	4.27	2.79	3.55	5.23	4.24	4.66	4.07	3.31	3.79
10	4.30	2.26	3.21	3.99	2.54	3.29	4.46	3.54	4.04	4.24	3.12	3.81
11	3.54	1.98	2.68	4.36	2.91	3.59	5.11	3.87	4.26	4.61	3.01	3.95
12	3.77	2.10	2.95	4.38	3.02	3.66	4.96	3.84	4.42	4.96	3.12	4.15
13	3.77	1.96	2.99	3.96	2.74	3.38	4.76	3.56	4.37	4.50	2.01	3.64
14	3.77	2.55	3.12	4.18	3.09	3.65	4.69	3.08	4.12	5.09	2.01	3.78
15	3.63	2.70	3.31	4.26	3.57	3.87	4.63	2.99	3.84	5.32	2.80	4.33
16	3.63	2.47	3.08	4.06	3.45	3.81	4.82	2.97	3.91	5.07	3.04	4.06
17	3.35	2.70	2.94	4.21	3.10	3.72	4.81	2.79	3.79	5.02	2.96	3.89
18	4.33	2.70	3.74	4.42	3.02	3.81	4.62	2.63	3.60	4.09	2.75	3.46
19	4.95	3.52	4.16	4.81	3.02	3.87	4.61	2.49	3.56	4.71	2.74	3.79
20	4.76	3.85	4.31	4.91	3.22	4.13	4.39	2.47	3.48	4.39	3.05	3.75
21	4.79	2.95	3.93	4.37	2.85	3.57	4.28	2.57	3.50	4.23	3.05	3.63
22	4.21	2.46	3.40	4.26	2.34	3.34	4.27	2.15	3.27	4.34	3.21	3.76
23	4.28	2.32	3.37	4.47	2.54	3.61	4.57	3.25	3.95	4.56	3.43	3.84
24	4.35	2.26	3.33	4.85	2.41	3.71	4.16	2.89	3.79	4.60	3.20	3.97
25	4.75	2.26	3.44	4.88	2.94	4.07	3.98	3.15	3.54	4.83	3.14	4.10
26	4.68	2.16	3.07	4.59	3.15	3.79	4.73	3.21	4.14	5.15	2.96	4.12
27	3.68	1.67	2.54	4.06	2.91	3.53	4.96	3.09	4.21	5.21	2.76	4.09
28	3.86	2.53	3.19	4.14	3.24	3.72	4.73	2.57	3.84	5.30	2.76	4.15
29	---	---	---	4.00	2.74	3.54	4.65	2.51	3.60	5.47	3.07	4.39
30	---	---	---	4.44	3.16	3.81	4.54	2.43	3.46	5.68	3.29	4.47
31	---	---	---	4.80	2.80	3.84	---	---	---	5.31	3.47	4.37
		JUNE			JULY			AUGUST			SEPTEMBER	
1	4.72	3.20	3.94	4.29	3.09	3.77	3.87	2.91	3.35	---	---	---
2	4.51	3.10	3.82	4.09	3.22	3.69	4.06	2.98	3.56	---	---	---
3	4.34	3.07	3.83	3.86	3.02	3.42	4.73	3.19	3.98	---	---	---
4	4.24	3.41	3.92	3.96	2.78	3.34	5.55	3.69	4.76	---	---	---
5	4.62	3.75	4.24	4.04	2.69	3.38	6.52	3.22	4.81	---	---	---
6	4.77	3.66	4.24	4.42	2.90	3.71	4.93	2.49	3.90	---	---	---
7	4.72	3.16	4.05	4.60	2.61	3.67	4.69	1.96	3.48	---	---	---
8	4.87	3.24	4.13	5.03	2.98	4.03	5.51	1.99	4.03	---	---	---
9	5.60	3.69	4.71	5.10	2.97	4.05	6.11	3.75	4.91	---	---	---
10	5.81	3.33	4.73	5.32	2.98	4.13	6.12	3.92	5.08	---	---	---
11	5.60	3.23	4.46	5.27	3.10	4.18	5.86	4.27	5.26	---	---	---
12	5.37	3.03	4.24	5.19	3.05	4.18	5.15	4.09	4.68	---	3.64	---
13	5.22	2.99	4.07	4.87	2.90	3.93	4.80	3.98	4.31	5.63	4.02	4.87
14	4.77	2.86	3.81	4.16	2.85	3.52	4.97	3.58	4.22	7.05	3.63	5.10
15	5.23	2.76	4.00	3.86	2.75	3.28	5.46	3.86	4.64	5.05	3.02	4.09
16	4.70	2.93	3.79	3.71	2.98	3.43	---	---	---	4.68	2.83	3.77
17	4.90	3.38	4.29	3.81	2.79	3.29	---	---	---	4.55	2.93	3.74
18	4.67	3.74	4.32	3.99	2.61	3.34	---	---	---	4.35	3.08	3.76
19	4.65	4.03	4.33	4.10	2.47	3.34	---	---	---	4.42	3.37	3.93
20	4.76	3.49	4.13	4.45	2.32	3.51	---	---	---	4.67	3.57	4.20
21	5.03	3.33	4.23	4.41	2.41	3.46	---	---	---	4.94	3.78	4.52
22	5.24	3.33	4.47	4.51	2.18	3.54	---	---	---	5.29	4.38	4.83
23	5.35	3.20	4.35	4.56	2.18	3.43	---	---	---	5.51	4.84	5.13
24	5.40	3.08	4.36	4.72	2.33	3.59	---	---	---	6.63	5.17	5.48
25	5.29	3.08	4.30	4.67	2.50	3.58	---	---	---	9.04	6.03	6.71
26	5.10	2.92	3.98	4.44	2.47	3.50	---	---	---	---	---	---
27	5.21	2.92	4.02	4.31	2.65	3.56	---	---	---	---	---	---
28	5.00	2.89	3.92	4.06	2.74	3.49	---	---	---	5.37	3.54	4.21
29	4.69	2.99	3.85	4.08	3.08	3.59	---	---	---	5.20	3.24	4.17
30	4.42	3.10	3.81	3.83	3.16	3.51	---	---	---	5.10	3.38	4.27
31	---	---	---	3.92	3.20	3.52	---	---	---	---	---	---

301104089253400 USCG ST JOSEPH ISLAND LIGHT 22--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, JULY TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	---	---	---	42200	33100	38100	40400	37100	39000
2	---	---	---	---	---	---	41100	34600	38400	39800	37100	37900
3	---	---	---	---	---	---	39800	37100	38400	41600	38800	40200
4	---	---	---	---	---	---	39700	34800	37500	42400	37500	40900
5	---	---	---	---	---	---	37600	33400	36000	41600	37300	40300
6	---	---	---	---	---	---	40100	32900	37100	44600	40300	43300
7	---	---	---	---	---	---	38800	33100	36100	46500	43200	45100
8	---	---	---	---	---	---	40000	33800	37000	45400	42500	44200
9	---	---	---	---	---	---	38000	33000	35800	43800	41000	43000
10	---	---	---	---	---	---	35700	32600	34600	42700	40500	41600
11	---	---	---	---	---	---	38900	33000	36200	42600	40200	41200
12	---	---	---	---	---	---	38000	33600	35900	40900	39500	40500
13	---	---	---	---	24400	---	39700	34300	37400	40500	38000	39300
14	---	---	---	---	23900	26000	39900	35700	37700	40200	36900	38700
15	---	---	---	36000	24800	30800	37400	32400	36000	39500	35700	37200
16	---	---	---	37700	26800	32500	35800	30600	32800	41400	38600	40800
17	---	---	---	36000	28900	32500	35300	30200	32400	41600	40200	41100
18	---	---	---	36700	28000	32900	36300	31300	33900	41400	38500	40200
19	---	---	---	36600	28400	32800	32900	29800	31700	39800	33300	37200
20	---	---	---	36300	27800	32300	34000	29200	31000	39500	35800	37600
21	---	---	---	39400	29500	34100	37900	30700	35400	39500	36300	37900
22	---	---	---	40500	33800	37200	38600	37500	38200	42500	36600	39000
23	---	---	---	39300	32500	36000	40800	37300	38800	39100	33400	37200
24	---	---	---	39700	30700	36300	40300	35500	38300	37200	32500	35200
25	---	---	---	41900	36400	39500	38900	33300	37000	32500	27100	30900
26	---	---	---	42700	34400	39200	36400	31600	34700	32500	26400	29500
27	---	---	---	43300	34300	40000	---	---	---	33800	28300	31300
28	---	---	---	43700	35500	40400	---	---	---	37600	30800	34900
29	---	---	---	42800	34900	39200	---	---	---	39300	34600	37700
30	---	---	---	40300	34500	37500	---	---	---	39600	36700	38500
31	---	---	---	40000	33200	36800	---	---	---	---	---	---

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	39200	37400	38200	40700	34300	37300	21600	21300	21400	---	---	---
2	41100	37000	38600	40300	35100	37700	22300	20900	21500	---	---	---
3	39700	37000	38300	38700	33800	36800	22200	21000	21700	---	---	---
4	39400	37300	38400	37800	32400	35700	22700	21300	21800	---	---	---
5	39200	35500	37600	36400	31800	34800	22100	21400	21600	---	---	---
6	39000	34200	37200	40500	34200	37600	27300	21600	22300	---	---	---
7	38600	33200	36100	41100	38000	39200	28300	22200	24000	---	---	---
8	34400	31100	33200	42300	39400	40500	28800	22600	24900	---	---	---
9	39300	29500	32900	42500	36100	38700	30500	23500	26300	---	---	---
10	31100	29300	30300	38300	35800	36800	30600	23000	26500	---	---	---
11	31500	30200	31000	39300	35100	37100	31900	24100	27900	---	---	---
12	33400	31000	31600	38900	33400	36000	33100	24400	28900	---	---	---
13	36400	32600	33600	41200	34000	36800	35400	27800	31800	---	---	---
14	39800	33900	36800	38200	28800	32500	35800	25800	30200	---	---	---
15	40500	35000	37200	33600	29100	31000	31300	25500	28000	---	---	---
16	39500	34900	36800	39400	31700	33800	20600	20600	26000	---	---	---
17	40300	33700	36700	37700	29000	32700	20600	18200	18900	---	---	---
18	39200	34000	36300	40900	31100	37600	23000	19500	21000	38600	32000	35000
19	38900	33500	35300	41000	30000	36800	21700	17900	18800	38600	24800	30100
20	39900	34100	36700	34100	25800	30700	23900	18200	19800	24800	16100	18400
21	40300	35000	37800	27400	22200	23400	28100	22900	25200	19800	16200	17500
22	42400	36500	40400	24400	21800	23000	28000	21100	23700	20000	15700	17300
23	41300	39500	40500	25300	22600	23400	35400	22700	27100	20100	15600	16800
24	40800	40000	40400	30600	24400	26500	35400	24800	28200	17800	13800	15700
25	41200	40000	40600	30200	22000	24600	33100	25900	28400	20400	13100	14900
26	40800	39600	40300	27400	21300	23100	37400	32000	34800	20700	14700	17900
27	41300	39500	40100	23000	20700	21500	40900	36000	38300	23000	14900	19800
28	40400	36500	38800	23300	20500	21500	---	---	---	26800	19500	23100
29	40700	36000	38300	22900	20700	21700	---	---	---	29900	24800	26700
30	40500	35300	37800	22000	20800	21300	---	---	---	26200	20300	23800
31	41500	34800	37500	---	---	---	---	---	---	30900	25400	27900

301104089253400 USCG ST JOSEPH ISLAND LIGHT 22--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	30900	18800	25500	21400	17100	19000	16600	5570	10300	20300	15800	18300
2	28000	14600	18500	20100	16500	18100	14800	5540	9850	19900	17600	18500
3	19100	11200	14900	22300	14400	17600	14700	6990	10800	19500	18100	18600
4	18900	10800	13500	18500	6500	9380	12900	7250	9730	19500	18200	18700
5	18900	9540	12600	11100	5820	8170	13100	8150	10200	18700	16200	18000
6	20600	9200	13500	10200	8220	9140	13100	9320	10700	19200	15700	17600
7	21900	11900	16800	9460	7500	8310	13400	9980	11400	19300	16100	17600
8	24000	14900	19300	8720	5770	7240	13100	8440	11200	21000	15900	18300
9	26200	16100	20700	9330	5390	7430	12800	6750	10300	20700	16600	18200
10	19700	13300	16000	10000	5560	7410	14700	6320	10900	20600	15400	17800
11	16900	13800	15000	14300	5640	9520	17200	9050	12700	22400	16600	18800
12	16500	14000	15000	15500	6040	11800	18000	13700	15300	22900	16100	18900
13	17900	15100	16200	10500	5730	7270	17800	14100	15900	21600	14000	18200
14	18000	15300	16500	14800	5360	8790	14400	6390	10400	21100	15000	17800
15	18500	12700	15800	16900	5180	11500	12300	6440	8370	17900	12500	15800
16	18900	12000	14900	5180	3480	4100	11200	6100	8230	16100	10700	12800
17	17300	7860	11600	4230	2020	3150	10600	5930	7530	13700	10900	12500
18	18300	9170	12100	3350	1980	2390	7230	5600	6550	13600	11300	12700
19	20500	10800	15700	4520	2780	3320	9600	5750	7530	13000	10700	11700
20	22500	15100	18400	5310	2400	3630	14100	8300	10200	11800	9510	10800
21	24800	16200	20800	9870	5310	7440	13700	11800	12700	14800	10200	12300
22	28200	18700	22500	7940	5870	7050	17000	12900	14700	19200	12200	14700
23	29200	21200	25700	7570	6800	7200	18000	13000	16200	22700	13000	17000
24	30500	29200	29800	7050	6580	6820	18200	14400	17100	17900	13700	16000
25	31300	24800	27900	7820	6630	7130	16700	11600	14200	22500	14700	17200
26	28200	21000	24800	10300	6400	7810	17100	10200	12600	25000	15300	19000
27	22600	16000	19600	13700	6940	9630	12600	9000	10700	24200	17100	20000
28	23400	16800	20000	21900	8030	13400	18300	8630	11900	21700	17100	19200
29	---	---	---	23700	14700	21100	17300	9770	12700	19900	14500	17800
30	---	---	---	18000	10000	13800	20100	12600	15800	18800	14600	17700
31	---	---	---	19000	6540	11300	---	---	---	20200	17100	18300

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	21400	14000	17700	17100	10400	13000	22200	13500	19300	---	---	---
2	26100	15100	20200	18200	11100	14100	25700	18900	22700	20600	15900	18200
3	21300	15500	18300	17200	12200	14700	30600	23200	26200	18000	15300	16600
4	25500	17100	22800	15200	12400	13600	29300	25700	27100	18800	14700	16600
5	29200	22300	26100	13600	10400	12600	30100	25600	27400	20700	14200	17900
6	30000	26200	27800	13700	9290	11800	27700	25800	27000	21000	16300	18400
7	27800	24300	26200	14000	9390	11800	25800	17100	21200	19800	15200	17800
8	24300	14800	19900	12000	9560	10900	17200	13900	16000	20800	13400	17400
9	14800	10500	12700	11100	8580	9880	16200	13300	14500	23000	14700	18900
10	10700	9670	10200	10700	7420	9030	16500	12100	13300	20200	9730	15700
11	10300	5380	8570	10300	8210	8860	19900	12400	15800	19100	9590	13400
12	9030	7120	8100	11100	7210	8910	21000	12700	17100	22100	11200	17300
13	9050	4950	7130	12000	8160	9730	20300	13500	16900	24800	16100	21500
14	5990	3600	4940	17300	8690	10900	20600	13600	17600	24800	16100	21400
15	6920	3310	5210	24700	10200	18600	23300	15600	19600	20800	10700	17000
16	8500	5610	7110	31000	19000	24500	23200	14900	19500	16300	9700	12400
17	8480	6460	7630	26800	20600	23900	21800	13400	18000	15700	8270	11200
18	9060	6720	7700	29100	20500	23900	20800	12800	16300	14700	8140	10800
19	10800	7050	8510	27100	19600	22500	22500	12500	17200	14800	9270	12400
20	9060	7070	7860	25100	16900	21300	21400	12700	16700	16200	10500	14500
21	8690	7320	8050	24800	14600	19600	21200	14400	17400	19100	14000	15800
22	8730	7350	8110	27900	14700	21600	20700	14700	18700	19000	13000	15500
23	9740	7450	7970	31100	20600	25100	21200	17600	19500	17500	11900	14600
24	13900	7860	9170	31700	23800	26800	23500	15800	20000	18900	11700	14500
25	10200	7920	8510	30900	24800	26900	24900	10800	19100	20000	12900	16100
26	9080	8070	8550	25100	18100	21300	21100	10700	16700	20500	13100	17000
27	9710	8250	8870	22100	16600	20000	21400	12300	17000	20500	14400	16400
28	10100	8960	9340	23800	12800	19400	21800	12200	17300	21200	14000	16300
29	11200	9280	9940	22100	11400	17800	21000	12100	17000	22000	14700	17300
30	15000	9840	11700	21700	11400	17400	21200	13600	18300	20300	16400	17900
31	---	---	---	20200	12600	16600	21900	15100	18900	---	---	---

301104089253400 USCG ST JOSEPH ISLAND LIGHT 22--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	17400	13400	16300	25900	15100	21400	23500	15100	18200	27100	12800	17200
2	15500	13400	14700	25000	18700	22100	22500	13500	16800	28100	9520	16000
3	16300	13700	15100	24700	19200	21700	20700	12600	15600	12600	4660	7940
4	20700	15600	18400	24000	17800	21000	21200	13800	16400	5600	5070	5320
5	22200	17400	20100	23700	18300	20800	24900	15600	18800	21800	5340	10300
6	22600	18500	20100	22200	14600	18500	22600	14700	17900	23300	7150	11300
7	23600	18200	20500	21400	13600	17300	19700	13000	16500	7620	5250	6160
8	24500	18600	21300	22100	14800	17900	18300	13100	17000	6430	5250	6130
9	26600	23500	25000	23800	13300	18100	18400	11400	13700	9720	6120	6820
10	28300	25000	27100	20300	13500	17200	16500	12000	13100	12600	6710	9210
11	28400	25900	27200	21200	13900	18900	23800	12200	15900	19100	9440	13800
12	30500	24500	27400	22200	14600	19100	27300	16000	20500	20800	11500	15700
13	30900	24700	28200	29200	17500	22900	25800	15900	20600	22200	13000	18200
14	27000	19100	23200	31100	24900	27300	26400	11900	18200	24100	17400	21200
15	26000	18400	21900	30100	20100	24000	23100	14700	19000	25400	15500	20000
16	21000	14000	16700	25400	16100	20500	25600	15900	20400	22600	16000	19300
17	15800	12800	13900	21400	12800	16800	25100	12000	19100	21800	14200	18200
18	13500	12000	12600	20600	11900	15600	16100	8700	11700	---	---	---
19	13500	11800	12600	22400	13300	16600	15900	7270	10000	---	---	---
20	15500	11400	12800	20500	13700	16400	8650	7250	7950	---	---	---
21	16800	12300	13500	24800	14800	19000	15400	7830	9820	---	---	---
22	17500	11400	13400	26200	18300	22400	20600	9310	14100	---	---	---
23	18200	12800	14600	31100	20100	26100	24300	13500	19100	---	---	---
24	16900	11800	14800	29700	24100	26300	13500	9620	11400	---	---	---
25	20500	12600	16300	26000	18500	21500	12800	7610	10300	---	---	---
26	16700	12600	14600	24100	18400	20800	13100	6920	8780	---	---	---
27	13500	7800	10500	26300	16900	20800	12200	5760	7190	---	---	---
28	13000	8040	10100	22800	20500	21500	15600	5930	9840	---	---	---
29	12000	8940	9840	24200	21700	22600	20400	8540	13600	---	---	---
30	15400	10900	12400	22200	14700	17700	22200	11200	16200	23800	15700	18800
31	22300	13800	16200	---	---	---	25600	12100	17300	21900	13600	17700

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	19000	9310	13500	31800	10800	21500	12100	7150	9240	8850	4720	6690
2	9310	6860	8020	38500	31800	36200	12300	5600	8740	9870	4850	6830
3	10800	6600	7700	34000	16500	24300	13200	5940	8500	12400	5750	9070
4	10800	5790	7620	16500	8450	10100	7960	5300	6110	13700	6200	9670
5	21900	6600	12600	10700	6900	8560	5450	2700	3450	15200	8230	11700
6	27800	21900	25000	16400	7160	10700	4400	3060	3630	17000	12400	14300
7	25800	9600	15900	22500	9680	14300	10000	2780	4920	16900	13500	15500
8	18000	7900	11100	23400	12500	18100	17200	9680	12700	20200	16800	18800
9	18600	6660	12300	24100	16200	19200	17000	13600	15500	22000	12400	19300
10	20900	9440	14700	20400	13100	15800	14300	5790	10100	21600	12400	16900
11	18900	5150	8880	22800	11200	15300	9290	5500	7420	20700	15100	18000
12	10300	4670	7080	23500	13700	18000	11100	7520	8700	23200	17400	20900
13	12200	4900	8550	19800	10800	14000	8580	5500	7950	23200	15000	20800
14	15600	6380	9400	17400	11500	14100	6450	2950	4990	25000	10800	18700
15	13400	7350	10600	21400	13600	17300	3640	1520	2990	25100	17400	21800
16	14800	6320	10200	18500	13300	16600	4420	2510	3260	25400	21400	23600
17	7400	4320	5700	18700	12700	16100	6690	2750	3370	25600	23000	24300
18	21100	6770	14000	16700	9770	14800	3830	2880	3250	24600	18700	22000
19	24200	16800	20400	16700	13700	15600	6840	2970	3730	24400	16100	20100
20	24400	21000	22800	21600	16400	18300	4200	2820	3350	23000	18200	19700
21	24600	16900	21400	21600	13700	18200	3650	2820	3220	21900	18700	20000
22	23500	12900	17500	16800	8070	11400	8640	2790	4000	25100	20600	22400
23	17900	9260	12100	18200	8260	12300	14400	4400	9390	24000	21000	23000
24	17000	8610	11900	17700	7130	12500	11800	7660	9490	24500	22000	23300
25	19200	8790	13500	18600	12900	16300	10500	5140	8040	24800	22200	23300
26	22100	9060	13900	18700	15000	16400	16100	6290	13500	26000	23800	25000
27	11500	4590	6600	16100	8660	11000	19600	13100	16100	26300	24700	25400
28	14000	6500	8800	12900	8860	11200	15900	10700	14000	27300	24800	25600
29	---	---	---	11100	4770	8860	15100	7720	11700	27200	25400	26200
30	---	---	---	11700	3420	8660	11100	6580	9300	29200	25900	26800
31	---	---	---	11900	8360	9860	---	---	---	28600	26700	27700

301104089253400 USCG ST JOSEPH ISLAND LIGHT 22--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27600	25800	26900	22400	20700	21500	26200	21500	24000	---	---	---
2	26700	23000	24900	21400	20000	20700	28200	21500	25700	---	---	---
3	25200	21500	23800	21100	16600	19900	30100	23800	28000	---	---	---
4	25600	22300	24000	20100	15700	18000	31600	26300	29700	---	---	---
5	26500	24900	25600	20000	14900	17900	33800	29200	31600	29300	25800	27500
6	27200	24900	26100	24800	16200	19900	31700	23900	29100	31600	25300	28600
7	26600	23800	25500	25900	18300	22000	28900	22300	26200	33400	28500	31300
8	26600	23700	25000	27500	20100	23800	30700	21300	26300	35100	31200	32600
9	28500	23700	26900	27300	21500	24400	32200	27000	29600	32400	29900	31600
10	28700	26800	27700	28600	21600	25100	32500	26700	29500	30800	24500	27000
11	28300	26200	27300	28700	23300	25900	32800	28200	30400	25600	21100	23300
12	27500	25400	26500	28400	23800	25800	30400	24300	27800	27100	21100	23700
13	26200	23000	24800	26600	23700	25200	26700	17500	21600	29400	23900	27300
14	24700	20300	22500	25200	20700	22400	25000	16900	20500	31600	27000	29700
15	25400	19500	22200	20700	16400	18400	25000	20400	23300	29100	21800	26500
16	22100	18300	20500	20300	16500	19000	---	---	---	24800	19700	22800
17	25800	19800	22700	20900	17000	19300	---	---	---	23300	19400	21300
18	26100	22800	25000	22100	17000	19300	---	---	---	21900	19400	20700
19	25500	24000	24700	24600	17800	20200	---	---	---	21200	19500	20400
20	29500	23600	26300	27500	18100	22200	---	---	---	22900	20300	21800
21	29800	25600	27800	28300	18500	23100	---	---	---	24600	21000	23000
22	29500	26400	27600	28200	19600	24300	---	---	---	27300	24500	25800
23	29700	26300	27500	28000	19300	23500	---	---	---	27900	26400	27000
24	29200	25800	27200	28500	19900	24000	---	---	---	27200	26200	26800
25	27800	24800	26700	28000	19800	23600	---	---	---	32800	26100	30900
26	26800	24500	26000	26600	19500	23200	---	---	---	---	---	---
27	26500	21600	24300	26400	20800	23800	---	---	---	---	---	---
28	24800	20400	23200	24900	21200	22800	---	---	---	23500	17600	20700
29	24300	20700	22500	25700	22300	23700	---	---	---	18600	13700	16600
30	23600	21200	22100	25800	22500	24500	---	---	---	15800	13100	14500
31	---	---	---	26200	23300	24800	---	---	---	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, JULY TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	29.2	30.5
2	---	---	---	---	---	---	---	---	---	---	29.1	30.5
3	---	---	---	---	---	---	---	---	---	---	29.0	30.5
4	---	---	---	---	---	---	---	---	---	---	28.9	---
5	---	---	---	---	---	---	---	---	---	---	29.4	30.9
6	---	---	---	---	---	---	---	---	---	---	30.0	29.4
7	---	---	---	---	---	---	---	---	---	---	30.4	27.9
8	---	---	---	---	---	---	---	---	---	---	30.5	27.6
9	---	---	---	---	---	---	---	---	---	---	30.6	27.4
10	---	---	---	---	---	---	---	---	---	---	30.4	27.9
11	---	---	---	---	---	---	---	---	---	---	29.6	28.4
12	---	---	---	---	---	---	---	---	---	---	30.1	28.6
13	---	---	---	---	---	---	---	---	---	31.4	30.2	29.3
14	---	---	---	---	---	---	---	---	---	31.0	30.1	29.4
15	---	---	---	---	---	---	---	---	---	30.6	30.3	29.8
16	---	---	---	---	---	---	---	---	---	30.9	30.4	27.8
17	---	---	---	---	---	---	---	---	---	30.9	30.8	26.6
18	---	---	---	---	---	---	---	---	---	30.9	31.0	25.9
19	---	---	---	---	---	---	---	---	---	30.8	31.3	26.2
20	---	---	---	---	---	---	---	---	---	31.0	31.1	26.8
21	---	---	---	---	---	---	---	---	---	31.1	30.8	27.4
22	---	---	---	---	---	---	---	---	---	30.7	30.8	27.4
23	---	---	---	---	---	---	---	---	---	29.9	30.0	27.9
24	---	---	---	---	---	---	---	---	---	29.3	30.0	28.5
25	---	---	---	---	---	---	---	---	---	29.0	30.2	28.7
26	---	---	---	---	---	---	---	---	---	29.6	30.8	26.1
27	---	---	---	---	---	---	---	---	---	29.8	---	24.7
28	---	---	---	---	---	---	---	---	---	30.2	---	24.2
29	---	---	---	---	---	---	---	---	---	30.4	---	23.7
30	---	---	---	---	---	---	---	---	---	30.2	---	23.5
31	---	---	---	---	---	---	---	---	---	29.6	---	---

301104089253400 USCG ST JOSEPH ISLAND LIGHT 22--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.1	24.2	14.3	---	11.9	18.6	16.6	23.1	27.7	28.8	29.6	---
2	24.6	24.3	14.4	---	11.6	19.0	17.6	23.6	27.8	29.1	29.3	29.0
3	25.0	24.2	13.1	---	10.9	19.4	18.8	24.1	28.5	29.3	29.2	28.7
4	25.4	24.2	11.7	---	10.7	18.8	19.6	24.3	28.4	29.6	29.3	28.7
5	25.8	24.2	11.6	---	10.9	17.9	20.8	24.0	28.2	29.6	29.7	29.0
6	26.1	23.8	11.5	---	11.6	16.9	22.0	24.0	27.6	29.4	29.8	29.5
7	25.0	23.9	11.6	---	12.4	16.2	22.7	24.5	27.2	30.0	29.9	29.8
8	21.8	24.2	11.7	---	13.1	16.3	23.3	24.7	26.9	30.5	29.2	29.5
9	18.3	23.5	12.1	---	14.1	16.8	23.9	24.8	26.4	30.7	28.7	29.0
10	17.3	21.9	12.6	---	14.2	16.3	24.6	25.4	26.0	31.0	28.9	28.5
11	17.1	20.3	13.1	---	13.9	16.4	24.8	25.6	25.7	30.5	28.7	28.3
12	17.5	19.5	12.9	---	14.2	16.9	25.2	26.0	26.7	29.8	28.0	28.3
13	18.1	19.0	12.1	---	14.9	17.0	25.6	26.5	27.4	29.3	27.8	28.3
14	18.8	17.3	12.5	---	15.5	17.2	26.2	26.6	27.3	29.0	28.1	27.6
15	19.6	16.1	12.3	---	16.3	17.1	26.4	26.7	27.5	28.9	28.6	27.5
16	20.2	16.0	13.0	---	17.4	17.2	26.1	26.6	28.3	29.1	29.2	27.6
17	20.9	15.9	11.8	---	16.6	16.3	25.0	26.8	28.2	29.3	29.4	27.7
18	21.6	14.1	11.1	10.6	15.1	15.7	22.5	27.0	28.4	29.5	29.6	27.8
19	21.8	12.8	10.4	10.8	14.6	15.3	21.7	27.1	28.5	30.0	29.8	27.7
20	22.0	12.8	8.7	10.2	15.0	14.7	21.8	27.2	28.7	30.6	29.8	27.7
21	22.4	12.2	8.7	9.7	16.1	14.6	22.3	26.9	29.1	30.6	30.0	28.1
22	23.0	12.4	8.1	9.2	16.7	15.3	22.6	26.5	29.2	30.1	30.3	28.3
23	23.3	12.5	7.6	9.0	16.3	16.3	22.9	25.5	28.7	30.3	30.3	28.2
24	23.3	12.7	7.9	9.1	16.3	17.2	23.0	25.3	28.3	30.8	30.4	27.9
25	23.4	13.1	8.1	9.3	17.0	17.3	22.2	25.4	28.3	30.3	30.4	26.3
26	23.4	13.3	8.3	9.9	17.2	16.4	21.6	25.7	28.5	29.2	30.1	24.4
27	23.5	13.6	8.8	10.3	17.6	15.7	21.9	26.3	28.3	28.9	30.2	23.7
28	23.5	13.8	---	11.1	18.1	14.7	22.1	26.5	28.3	29.2	30.0	23.2
29	23.7	14.2	---	12.0	---	14.4	22.5	27.0	28.7	29.5	29.8	22.7
30	23.8	14.4	---	12.1	---	15.4	22.9	27.7	28.5	29.6	29.4	22.6
31	24.0	---	---	12.2	---	15.9	---	27.8	---	30.0	29.5	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.7	18.4	18.9	9.7	17.3	11.5	20.4	27.0	26.9	29.5	29.6	---
2	22.8	19.1	18.5	8.3	15.8	11.9	20.8	27.2	27.7	29.9	29.5	---
3	23.2	19.6	18.2	7.5	15.2	11.6	21.6	27.5	28.5	30.1	29.6	---
4	23.5	20.0	18.4	7.1	14.9	10.2	20.6	27.7	29.2	30.2	29.4	---
5	24.0	19.6	18.9	7.1	13.1	10.2	19.6	28.3	29.5	30.1	28.3	28.1
6	24.0	19.4	19.2	7.5	12.0	10.8	18.8	28.6	29.3	30.2	28.3	28.5
7	22.4	19.5	19.5	7.3	11.2	11.9	18.9	28.7	29.8	30.6	28.7	27.9
8	21.8	19.7	19.7	7.4	10.7	13.0	19.7	28.4	30.2	30.2	29.4	27.5
9	22.0	19.9	19.1	7.8	11.2	13.8	19.6	28.4	29.3	29.8	28.8	27.7
10	22.4	19.9	18.4	8.7	11.9	13.4	19.8	28.7	28.7	30.1	28.4	27.8
11	22.9	19.9	17.8	9.0	11.7	13.3	20.3	28.5	28.9	30.3	28.0	28.3
12	23.4	20.1	17.8	9.6	11.7	13.7	20.7	28.3	29.4	30.7	28.0	28.7
13	23.9	20.2	18.3	9.8	11.8	14.1	20.9	28.0	30.1	30.4	28.1	28.7
14	23.5	20.0	18.4	10.4	11.9	14.9	21.4	25.6	30.3	30.0	28.6	28.6
15	23.1	19.6	18.1	10.4	12.2	16.3	21.8	24.8	29.5	29.7	28.7	29.0
16	22.4	19.3	18.5	10.7	12.6	17.7	22.7	24.9	28.9	29.9	---	29.3
17	20.5	19.0	19.1	11.1	12.9	19.4	23.4	25.7	27.9	30.3	---	29.4
18	19.6	18.9	18.3	11.8	13.4	20.6	24.1	25.1	27.6	30.8	---	29.6
19	19.4	19.1	17.9	13.0	14.3	20.8	24.8	23.0	27.9	31.2	---	29.3
20	19.9	19.0	16.7	12.2	15.3	21.3	25.2	21.9	28.3	31.5	---	29.1
21	20.5	17.9	15.6	12.4	15.8	21.4	25.6	22.0	28.3	31.3	---	29.3
22	21.2	17.5	15.6	13.1	15.4	19.3	25.8	21.6	27.8	30.6	---	29.5
23	21.7	17.9	15.8	13.8	14.4	17.8	25.5	21.9	27.3	30.2	---	28.8
24	22.4	18.7	14.5	15.1	14.3	17.7	25.7	22.3	27.6	30.5	---	27.5
25	22.6	19.1	13.7	15.5	14.9	18.5	25.9	23.4	28.0	29.9	---	26.0
26	21.3	19.5	12.9	15.0	15.2	19.1	25.2	24.2	28.0	29.7	---	---
27	20.1	20.0	11.8	14.9	13.2	18.2	25.4	25.0	27.9	29.8	---	---
28	17.8	20.6	11.7	15.1	12.2	18.3	26.0	25.9	28.0	30.2	---	25.3
29	17.4	20.8	12.0	15.8	---	19.1	26.6	26.1	28.5	30.5	---	25.8
30	17.4	19.6	11.8	16.4	---	20.2	27.0	26.0	29.1	30.2	---	26.3
31	17.7	---	11.0	17.2	---	20.6	---	26.3	---	29.8	---	---

301429089145600 USCG MERRILL SHELL BANK LIGHT

LOCATION.--Lat 30°14'29", long 89°14'56", St. Stevens Meridian, Jackson County, Hydrologic Unit 03170009, on the USCG Merrill Shell Bank Light platform, 5 miles south of Pass Christian in the Mississippi Sound.

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

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

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

INSTRUMENTATION.--Submersible transducer and data-collection platform since August 1998. Datum of gage is NAVD of 1988. Water-quality monitor since August 1998.

REMARKS.--Equipment destroyed by Hurricane Georges, September 28, 1998; reinstalled February 18, 1999. Equipment malfunction on September 25, 2002 due to Tropical Storm Isadore. Interruptions in the record were due to malfunctions of the instrument.

EXTREMES FOR PERIOD OF DAILY RECORD.--
GAGE HEIGHT: Maximum recorded, 7.68 ft, Sept. 27, 1998 (Hurricane Georges), but may have been higher during periods of instrument malfunction; minimum recorded, -2.36 ft, Apr. 8, 2000, but may have been lower during periods of instrument malfunction.
SPECIFIC CONDUCTANCE: Maximum recorded, 49,400 microsiemens, July 26, 2000, but may have been higher during periods of instrument malfunction; minimum recorded, 3,010 microsiemens, Mar. 21, 2001, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 32.8°C, Aug. 29, 1998, but may have been higher during periods of instrument malfunction; minimum recorded, 4.3°C, Jan. 4, 2001, but may have been lower during periods of instrument malfunction.

EXTREMES FOR CURRENT YEAR.--
GAGE HEIGHT: Maximum recorded, 4.69 ft, Sept. 25 (Tropical Storm Isadore), but may have been higher during periods of instrument malfunction; minimum recorded, -1.79 ft, Jan. 7, but may have been lower during periods of instrument malfunction.
SPECIFIC CONDUCTANCE: Maximum recorded, 43,700 microsiemens, Aug. 5, but may have been higher during periods of instrument malfunction; minimum recorded, 6,950 microsiemens, Apr. 18, but may have been lower during periods of instrument malfunction.
WATER TEMPERATURE: Maximum recorded, 32.3°C, July 21, but may have been higher during periods of instrument malfunction; minimum recorded, 6.0°C, Jan. 4, but may have been lower during periods of instrument malfunction.

GAGE HEIGHT, FEET, AUGUST TO SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	---	---	---	---	---	---	4.67	3.70	4.21
2	---	---	---	---	---	---	---	---	---	5.99	4.53	5.43
3	---	---	---	---	---	---	---	---	---	6.08	3.76	5.03
4	---	---	---	---	---	---	---	---	---	4.87	3.25	4.10
5	---	---	---	---	---	---	---	---	---	4.99	3.24	4.16
6	---	---	---	---	---	---	---	---	---	4.85	3.50	4.10
7	---	---	---	---	---	---	---	---	---	4.51	3.80	4.15
8	---	---	---	---	---	---	---	---	---	4.46	3.74	4.11
9	---	---	---	---	---	---	---	---	---	5.01	3.64	4.27
10	---	---	---	---	---	---	---	---	---	5.82	4.47	5.12
11	---	---	---	---	---	---	---	---	---	6.23	4.99	5.62
12	---	---	---	---	---	---	---	---	---	6.21	4.48	5.23
13	---	---	---	---	---	---	---	---	---	5.79	3.98	4.88
14	---	---	---	---	---	---	---	---	---	5.78	4.09	4.95
15	---	---	---	---	---	---	---	---	---	5.40	4.03	4.79
16	---	---	---	---	---	---	---	---	---	5.50	4.34	4.92
17	---	---	---	---	---	---	---	---	---	5.83	4.41	5.14
18	---	---	---	---	---	---	---	---	---	5.47	4.42	5.05
19	---	---	---	---	---	---	---	---	---	5.53	4.41	4.93
20	---	---	---	---	---	---	---	---	---	5.36	4.04	4.82
21	---	---	---	---	---	---	---	---	---	4.50	3.64	4.18
22	---	---	---	---	---	---	---	---	---	4.09	3.39	3.78
23	---	---	---	---	---	---	---	---	---	4.30	3.57	3.92
24	---	---	---	---	---	---	---	---	---	4.71	4.07	4.33
25	---	---	---	---	---	---	---	---	---	5.02	4.15	4.56
26	---	---	---	---	---	---	---	---	---	5.38	3.90	4.61
27	---	---	---	---	---	---	---	---	---	7.68	5.38	6.85
28	---	---	---	---	---	---	4.04	3.18	3.45	---	---	---
29	---	---	---	---	---	---	4.15	3.19	3.67	---	---	---
30	---	---	---	---	---	---	4.43	3.04	3.74	---	---	---
31	---	---	---	---	---	---	4.58	3.13	3.88	---	---	---

301429089145600 USCG MERRILL SHELL BANK LIGHT--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	1.02	-0.86	0.15	1.38	0.41	0.99	1.46	-0.28	0.72
2	---	---	---	1.20	-0.30	0.41	1.16	0.25	0.74	1.58	-0.42	0.62
3	---	---	---	1.06	-1.35	-0.26	1.26	0.60	0.93	1.40	-0.37	0.47
4	---	---	---	0.67	0.01	0.32	1.41	0.33	0.88	2.15	-0.02	1.35
5	---	---	---	0.97	0.27	0.61	1.63	0.21	0.86	2.93	0.89	2.17
6	---	---	---	0.79	0.11	0.54	1.30	-0.16	0.64	2.18	0.45	1.33
7	---	---	---	1.17	0.07	0.53	1.21	-0.38	0.43	2.33	0.40	1.26
8	---	---	---	2.60	0.31	1.96	1.27	-0.30	0.49	1.87	0.17	0.96
9	---	---	---	1.62	0.26	0.83	1.15	-0.30	0.38	1.25	-0.09	0.75
10	---	---	---	1.67	-0.03	0.80	1.31	-0.22	0.62	1.06	-0.06	0.55
11	---	---	---	1.33	-0.28	0.63	0.88	-0.31	0.38	1.22	0.10	0.65
12	---	---	---	2.07	-0.06	1.13	0.54	-0.34	0.20	1.15	-0.29	0.24
13	---	---	---	3.16	0.64	1.69	0.99	-0.15	0.49	0.47	-0.92	0.0
14	---	---	---	0.95	-0.56	0.0	1.97	0.18	0.91	1.03	-0.86	0.08
15	---	---	---	0.67	-1.22	-0.26	1.97	-0.98	0.28	1.04	-1.01	0.06
16	---	---	---	0.91	-0.34	0.24	0.96	-0.71	0.13	1.18	-1.06	0.15
17	---	---	---	0.95	-0.13	0.38	0.16	-1.47	-0.37	1.21	-1.11	0.06
18	---	---	---	0.93	0.0	0.50	0.57	-1.75	-0.57	1.07	-1.31	-0.09
19	1.16	-0.55	0.06	0.74	-0.15	0.38	0.56	-1.63	-0.36	1.21	-1.39	-0.08
20	0.94	-0.22	0.54	1.09	-0.57	0.45	0.57	-1.71	-0.51	0.89	-1.09	-0.07
21	0.60	-1.06	-0.09	0.99	-0.60	0.17	0.96	-1.53	-0.17	0.78	-0.96	-0.04
22	1.05	-1.06	0.12	1.49	-0.60	0.41	1.62	-0.32	0.70	0.48	-0.63	-0.03
23	1.09	-0.66	0.19	1.35	-0.54	0.44	1.15	-0.08	0.58	0.21	-0.66	-0.13
24	1.15	-1.29	0.05	1.19	-0.65	0.39	0.83	-0.23	0.31	0.12	-0.74	-0.25
25	1.33	-0.83	0.28	1.07	-0.58	0.28	0.86	-0.46	0.33	0.41	-0.50	-0.04
26	1.55	-0.97	0.32	0.85	-0.72	0.19	1.23	0.08	0.65	0.10	-0.78	-0.38
27	1.42	-0.50	0.48	1.02	-0.19	0.43	1.31	0.18	0.83	0.42	-0.72	-0.24
28	1.00	-1.16	0.08	1.11	-0.17	0.59	0.94	0.29	0.67	0.77	-0.77	-0.02
29	---	---	---	1.03	0.23	0.57	1.24	-0.41	0.62	0.86	-0.61	0.07
30	---	---	---	2.23	0.53	1.21	1.75	0.02	0.92	1.08	-0.86	0.16
31	---	---	---	1.73	0.66	1.06	---	---	---	1.18	-0.51	0.39

301429089145600 USCG MERRILL SHELL BANK LIGHT--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	1.47	-0.19	0.62	0.87	-1.03	-0.08	---	---	---	2.37	1.11	1.72
2	1.67	-0.46	0.69	0.93	-0.86	0.01	---	---	---	2.31	0.54	1.24
3	1.25	-0.60	0.37	1.21	-0.79	0.39	---	---	---	1.68	-0.02	0.87
4	0.93	-0.69	0.13	1.17	0.25	0.58	---	---	---	1.76	-0.34	0.77
5	1.13	-0.72	0.23	0.92	0.07	0.56	---	---	---	1.46	-0.40	0.53
6	1.33	-0.64	0.54	0.45	0.0	0.25	---	---	---	1.32	-0.38	0.52
7	1.01	0.06	0.66	0.48	-0.17	0.12	---	---	---	1.51	-0.57	0.55
8	0.93	0.16	0.57	0.79	-0.33	0.22	---	---	---	1.39	-0.39	0.57
9	0.89	0.09	0.45	1.07	-0.42	0.38	---	---	---	1.38	-0.19	0.61
10	0.59	-0.49	0.13	1.29	-0.84	0.31	---	---	---	1.49	0.12	0.78
11	---	---	---	1.22	-0.94	0.22	---	---	---	1.34	0.48	0.91
12	---	---	---	1.25	-1.58	-0.04	---	---	---	1.71	0.83	1.32
13	---	---	---	1.08	-1.34	-0.10	---	---	---	1.66	0.79	1.21
14	---	---	---	1.17	-1.20	0.02	---	---	---	1.36	0.63	0.86
15	---	---	---	1.08	-0.97	0.18	---	---	---	0.92	0.05	0.49
16	1.74	-0.59	0.63	1.24	-0.52	0.35	---	---	---	0.74	0.16	0.46
17	1.76	-0.47	0.74	1.18	-0.36	0.44	---	---	---	1.05	0.24	0.69
18	1.61	-0.23	0.79	1.05	-0.11	0.38	---	---	---	1.31	0.43	0.90
19	2.20	0.04	1.16	0.73	0.02	0.51	---	---	---	2.07	0.95	1.57
20	1.56	0.73	1.14	0.69	-0.10	0.28	---	---	---	2.65	1.16	1.93
21	1.44	0.51	0.97	0.67	-0.38	0.10	---	---	---	2.44	0.33	1.49
22	0.87	0.12	0.53	0.35	-0.77	-0.15	---	---	---	1.62	-0.01	0.89
23	1.14	0.01	0.55	0.50	-0.72	-0.07	---	---	---	1.58	0.30	0.86
24	0.96	-0.44	0.27	1.20	-0.73	0.33	---	---	---	1.56	0.38	1.01
25	0.88	-0.66	0.22	1.24	-0.51	0.33	1.47	-0.37	0.64	1.81	0.66	1.14
26	1.15	-0.97	0.13	1.07	-0.82	0.21	1.32	-0.50	0.39	1.77	0.61	1.21
27	1.22	-0.90	0.16	---	---	---	1.42	-0.28	0.51	2.14	0.95	1.47
28	0.92	-1.21	-0.12	---	---	---	1.33	0.08	0.65	2.14	0.69	1.35
29	0.71	-1.31	-0.27	---	---	---	1.01	0.25	0.59	1.99	0.52	1.06
30	0.83	-1.31	-0.21	---	---	---	1.24	0.42	0.71	1.60	0.39	1.02
31	---	---	---	---	---	---	1.87	0.45	0.99	---	---	---

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	2.01	0.27	1.14	1.71	0.28	0.87	1.05	0.45	0.77	1.33	-0.54	0.35
2	2.01	0.68	1.34	0.61	-0.81	-0.04	1.36	0.48	0.77	1.34	-0.54	0.39
3	2.24	0.65	1.47	0.93	0.07	0.45	1.63	0.44	1.03	1.80	-0.12	0.82
4	2.45	0.76	1.50	1.17	0.45	0.78	1.59	0.83	1.15	1.33	-1.04	-0.34
5	1.84	0.59	1.24	1.32	0.40	0.90	1.37	0.23	0.73	0.94	-0.85	-0.02
6	1.93	0.86	1.44	1.38	0.44	0.96	1.40	-0.35	0.35	1.29	-0.97	0.16
7	2.76	1.54	2.18	1.42	0.15	0.75	1.60	-0.27	0.56	1.28	-0.78	0.15
8	2.58	1.81	2.17	1.86	0.21	0.98	1.71	-0.33	0.67	1.91	-0.24	0.64
9	2.11	1.05	1.63	2.28	0.33	1.18	1.83	-0.04	0.80	1.97	-0.10	0.79
10	1.89	0.65	1.17	2.27	0.47	1.29	1.72	-0.88	0.21	2.02	-0.21	0.66
11	1.85	0.70	1.24	2.17	0.28	1.02	1.37	-0.60	0.36	1.27	-0.21	0.50
12	1.85	0.59	1.14	1.83	0.27	0.91	1.59	-0.36	0.48	1.08	-0.14	0.48
13	1.71	0.51	1.07	1.91	0.26	1.13	1.59	-1.46	-0.20	1.11	-0.28	0.49
14	1.66	0.29	0.91	1.79	-0.19	0.66	0.60	-0.54	0.08	0.88	-0.39	0.36
15	1.68	0.31	0.97	1.14	-0.17	0.34	0.60	-1.23	-0.42	0.98	0.49	0.77
16	1.65	0.15	0.84	1.15	0.02	0.56	0.34	-0.57	-0.09	1.35	-0.16	0.55
17	1.35	-0.34	0.52	1.28	0.27	0.81	0.78	-0.29	0.15	1.72	-0.19	0.76
18	1.03	-0.17	0.48	1.17	0.29	0.83	1.14	0.15	0.59	1.69	-0.60	0.53
19	1.38	-0.09	0.65	1.23	0.40	0.84	1.14	-0.45	0.32	1.95	-0.81	0.54
20	0.91	0.10	0.61	1.20	0.42	0.66	1.14	-0.83	0.14	1.56	-1.27	0.07
21	1.19	-0.03	0.66	1.48	-0.19	0.66	1.06	-0.19	0.50	1.69	-0.45	0.51
22	0.97	0.02	0.51	1.88	-0.19	0.80	1.26	-1.25	-0.04	2.12	0.15	1.15
23	0.80	-0.45	0.19	1.71	-0.27	0.70	1.18	-1.28	-0.12	2.28	-0.13	0.93
24	1.10	0.12	0.69	1.60	-0.72	0.38	0.77	-1.75	-0.63	2.28	-0.25	0.43
25	1.54	0.0	0.74	1.51	-0.92	0.14	0.53	-1.20	-0.41	0.64	-0.52	0.02
26	1.75	-0.18	0.72	1.42	-0.91	0.14	0.59	-1.37	-0.54	0.32	-0.63	-0.10
27	1.82	-0.39	0.65	1.46	-0.68	0.35	0.27	-1.00	-0.39	1.02	0.07	0.51
28	2.02	-0.31	0.72	1.28	-0.61	0.31	0.27	-0.98	-0.38	2.92	0.78	2.12
29	2.15	0.34	1.20	0.90	-0.26	0.22	0.38	-0.65	-0.20	1.67	0.79	1.22
30	2.36	0.73	1.54	0.85	0.24	0.57	0.62	-0.41	0.08	1.27	-0.35	0.55
31	2.44	0.59	1.51	---	---	---	1.18	-0.33	0.37	1.43	-0.38	0.59

301429089145600 USCG MERRILL SHELL BANK LIGHT--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.61	-0.14	0.72	1.23	-0.27	0.47	0.84	-0.94	0.04	0.73	-0.13	0.27
2	1.54	-0.37	0.54	1.22	-0.76	0.30	0.66	-0.63	-0.01	0.85	0.05	0.50
3	1.46	-0.33	0.52	1.03	-0.43	0.41	0.66	-0.92	-0.06	1.13	-0.43	0.50
4	1.26	-0.72	0.22	0.81	-1.13	-0.06	0.10	-1.88	-1.18	1.53	-0.01	0.71
5	0.89	-0.58	0.09	0.92	-0.45	0.20	-0.29	-1.53	-0.83	1.91	-0.43	0.88
6	1.25	-0.51	0.29	0.87	-0.40	0.20	-0.30	-1.41	-0.88	1.82	-0.57	0.61
7	1.25	-0.37	0.36	0.70	-0.27	0.22	0.24	-1.36	-0.51	1.46	-0.64	0.42
8	1.01	-0.22	0.43	0.77	0.11	0.47	-0.81	-2.36	-1.39	1.49	-0.64	0.48
9	0.87	-0.30	0.26	0.71	0.07	0.43	0.18	-2.33	-1.02	1.39	-0.54	0.45
10	1.03	0.31	0.60	1.09	-0.14	0.53	0.50	-2.25	-0.84	1.24	-0.59	0.38
11	1.08	0.42	0.69	0.94	-1.36	0.14	0.71	-1.14	-0.29	1.08	-0.37	0.40
12	1.43	0.29	0.80	0.83	-1.36	-0.12	0.70	-1.09	-0.19	1.00	-0.09	0.51
13	2.19	0.14	1.18	0.84	-0.97	-0.01	0.53	-1.20	-0.34	0.86	0.01	0.36
14	1.74	0.07	0.93	1.29	-1.00	0.24	0.77	-0.86	-0.04	0.95	-0.05	0.35
15	2.11	-0.19	1.05	2.21	-0.38	0.85	0.58	-0.21	0.26	0.95	-0.30	0.34
16	1.85	-0.34	0.76	1.60	-0.29	0.63	0.44	-0.51	-0.16	1.17	-0.14	0.49
17	1.97	-0.31	0.81	0.98	-0.79	0.19	-0.08	-1.13	-0.63	1.42	-0.10	0.71
18	1.91	-0.15	0.93	0.89	-0.73	0.05	0.35	-1.11	-0.44	1.73	-0.12	0.88
19	1.83	-0.31	0.52	1.53	-0.47	0.34	0.43	-0.95	-0.31	1.51	-0.16	0.71
20	0.94	-0.30	0.36	0.14	-0.50	-0.18	0.54	-1.07	-0.21	1.74	-0.27	0.80
21	0.85	-0.01	0.40	0.22	-0.51	-0.08	0.48	-1.48	-0.53	1.64	-0.51	0.55
22	1.04	-0.02	0.56	0.17	-0.97	-0.38	0.89	-1.48	-0.21	1.43	-0.52	0.48
23	1.37	0.38	0.96	0.53	-0.72	-0.16	1.49	-1.18	0.24	1.41	-0.58	0.42
24	1.18	0.48	0.84	0.54	-0.60	-0.12	0.69	-1.16	0.01	1.21	-0.53	0.36
25	1.48	0.56	1.04	0.55	-0.79	-0.12	0.65	-1.24	-0.30	1.67	-0.40	0.69
26	1.66	0.60	1.13	0.55	-0.92	-0.15	0.61	-1.19	-0.20	1.50	0.23	0.94
27	1.29	-0.30	0.54	0.51	-0.83	-0.24	0.63	-0.77	-0.04	1.21	0.56	0.90
28	1.44	-0.24	0.72	0.61	-0.86	0.01	0.22	-1.25	-0.39	0.81	0.19	0.51
29	1.39	-0.23	0.62	0.92	-0.91	0.10	0.41	-0.36	0.09	1.04	0.15	0.55
30	---	---	---	0.23	-0.61	-0.14	0.50	-0.58	0.06	1.45	0.24	0.85
31	---	---	---	0.14	-1.04	-0.33	---	---	---	1.94	0.58	1.27

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	2.06	0.03	1.06	1.73	-1.01	0.51	1.70	-0.41	0.67	1.07	0.23	0.73
2	1.87	-0.40	0.88	1.88	-0.88	0.63	1.60	-0.30	0.73	1.15	0.31	0.75
3	1.85	-0.82	0.68	1.83	-0.67	0.70	1.21	0.02	0.61	1.44	0.55	0.95
4	1.85	-0.82	0.57	1.82	-0.48	0.67	0.88	0.07	0.57	1.46	0.32	0.85
5	1.55	-0.81	0.38	1.51	-0.39	0.63	0.61	0.22	0.43	1.42	0.13	0.86
6	1.56	-0.78	0.45	1.09	-0.20	0.48	0.96	0.29	0.59	1.65	0.73	1.18
7	1.62	-0.64	0.64	0.83	-0.18	0.38	1.29	0.29	0.77	2.73	1.22	1.86
8	1.58	-0.28	0.71	0.83	0.11	0.49	1.47	0.08	0.75	2.25	0.41	1.42
9	1.53	0.20	0.95	1.05	0.10	0.55	1.27	-0.23	0.60	1.96	0.45	1.20
10	1.36	0.56	0.94	1.10	-0.09	0.49	1.25	-0.55	0.61	1.82	0.44	1.14
11	1.38	0.48	0.88	0.85	-0.37	0.28	2.01	-0.07	0.82	1.98	0.72	1.28
12	1.20	0.15	0.71	0.87	-0.61	0.24	1.40	-0.03	0.72	1.68	0.30	1.07
13	1.31	-0.04	0.73	0.61	-0.71	0.09	1.81	0.0	0.88	1.48	0.40	0.91
14	1.47	-0.09	0.74	0.82	-1.01	-0.05	1.89	-0.18	0.83	1.41	0.54	0.96
15	1.61	-0.15	0.77	1.37	-0.77	0.34	1.24	-0.49	0.50	1.39	0.56	0.92
16	2.01	-0.44	0.90	1.30	-0.82	0.30	1.13	-0.45	0.34	1.50	0.84	1.15
17	2.11	-0.30	1.01	1.14	-0.76	0.20	1.17	-0.15	0.47	1.79	0.73	1.25
18	2.12	-0.04	1.02	1.02	-0.86	0.21	1.18	0.15	0.60	2.06	0.48	1.08
19	1.85	-0.29	0.90	1.06	-0.79	0.11	0.71	-0.03	0.36	1.23	0.02	0.67
20	1.69	-0.29	0.72	1.04	-0.76	0.13	0.74	0.01	0.37	1.66	0.12	0.92
21	1.35	-0.45	0.50	1.13	-0.56	0.21	1.05	0.34	0.67	1.93	0.41	1.15
22	0.99	-0.50	0.18	0.96	-0.13	0.45	1.52	0.40	0.97	2.60	0.14	1.35
23	1.17	-0.45	0.48	0.64	0.01	0.22	1.89	0.18	0.99	1.78	-0.37	0.77
24	1.01	-0.08	0.48	0.66	0.0	0.31	1.76	0.05	0.87	1.53	-0.24	0.72
25	0.81	-0.06	0.48	0.97	-0.01	0.48	1.70	-0.40	0.70	1.07	-1.03	0.25
26	1.02	0.24	0.63	1.14	-0.21	0.57	1.44	-0.40	0.59	1.08	-0.71	0.33
27	1.27	0.10	0.67	1.49	-0.26	0.62	1.71	-0.30	0.70	0.90	0.14	0.48
28	1.38	-0.34	0.64	1.70	-0.46	0.64	1.49	-0.40	0.61	0.94	0.39	0.67
29	1.22	-0.88	0.31	1.69	-0.59	0.57	0.98	-0.35	0.34	1.31	0.56	0.95
30	1.85	-0.74	0.63	1.67	-0.57	0.55	1.61	-0.30	0.79	1.41	0.56	0.99
31	---	---	---	1.89	-0.53	0.64	1.30	0.37	0.81	---	---	---

301429089145600 USCG MERRILL SHELL BANK LIGHT--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	1.47	0.61	1.03	1.84	-0.07	0.81	1.08	-0.43	0.31	-0.02	-0.98	-0.60
2	1.52	0.24	0.87	1.88	0.10	0.89	1.13	-0.67	-0.14	-0.37	-0.79	-0.55
3	1.59	0.14	0.86	1.73	0.01	0.79	0.56	-0.48	-0.19	-0.23	-0.74	-0.55
4	1.79	0.26	0.95	1.29	0.02	0.68	0.69	-0.23	0.15	0.05	-1.18	-0.57
5	1.44	-0.01	0.76	1.43	0.12	0.79	0.33	-0.38	0.0	0.10	-1.24	-0.57
6	1.62	-0.31	0.71	2.07	1.25	1.70	0.59	0.0	0.27	0.55	-1.54	-0.49
7	1.13	-0.48	0.36	1.70	0.91	1.24	0.87	-0.31	0.31	1.24	-1.38	-0.12
8	0.33	-0.92	-0.20	2.26	1.53	1.90	1.13	-0.17	0.45	0.65	-2.00	-0.50
9	0.96	-0.66	0.16	2.22	0.49	1.10	1.49	-0.48	0.45	0.58	-1.94	-0.74
10	0.78	-0.33	0.16	1.37	0.46	0.94	1.57	-0.72	0.40	1.14	-1.68	-0.43
11	0.49	-0.17	0.15	1.49	0.01	0.78	1.91	-0.71	0.52	1.14	-0.80	0.09
12	0.87	0.24	0.56	1.87	-0.22	0.81	1.79	-1.39	0.10	0.68	-1.35	-0.39
13	1.25	0.02	0.68	1.77	-0.52	0.64	1.91	-0.25	0.86	0.78	-0.81	-0.02
14	1.44	0.17	0.80	1.52	-0.91	0.10	1.89	-1.04	0.20	0.82	-0.57	0.0
15	1.69	0.14	0.88	1.64	-0.61	0.38	1.43	-0.56	0.38	0.21	-0.43	-0.08
16	1.74	-0.13	0.76	1.73	-0.19	0.67	1.49	-0.79	0.36	0.71	-0.23	0.20
17	1.84	-0.19	0.74	1.64	-0.49	0.48	-0.11	-2.16	-1.20	0.85	-0.16	0.36
18	1.52	-0.39	0.52	1.86	0.29	0.95	0.30	-0.54	-0.05	1.08	-0.47	0.30
19	1.56	-0.41	0.58	1.93	0.04	0.94	-0.54	-1.95	-1.50	0.61	-0.83	-0.16
20	1.55	-0.16	0.73	0.82	-0.36	0.15	0.05	-1.33	-0.62	-0.37	-1.88	-1.04
21	1.43	0.26	0.90	-0.01	-0.95	-0.45	0.12	-0.27	-0.05	-0.01	-1.52	-0.79
22	1.79	0.63	1.25	---	---	---	0.50	-1.38	-0.41	0.23	-1.79	-0.81
23	1.50	0.64	1.11	---	---	---	0.80	-0.90	-0.05	0.02	-1.80	-0.83
24	1.55	0.74	1.07	---	---	---	0.65	-1.12	-0.20	0.03	-1.71	-0.77
25	1.39	0.37	1.00	---	---	---	1.02	-0.96	-0.05	0.33	-1.98	-0.91
26	1.62	0.40	1.06	---	---	---	1.63	-0.24	0.49	0.44	-1.13	-0.42
27	1.60	0.27	1.00	---	---	---	1.63	-0.29	0.55	0.57	-1.04	-0.25
28	1.86	-0.14	0.81	---	---	---	1.61	-1.80	-0.38	0.75	-0.64	0.02
29	1.86	0.0	0.89	---	---	---	0.40	-1.18	-0.54	1.02	0.20	0.54
30	1.78	-0.06	0.79	1.00	-0.62	0.09	-0.50	-1.68	-1.18	0.51	-0.33	0.21
31	1.78	-0.11	0.74	---	---	---	-0.02	-1.10	-0.65	0.55	-0.56	0.16

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	0.61	-0.88	-0.08	1.04	-0.47	0.29	1.20	-0.83	0.15	1.89	-0.14	0.94
2	0.11	-1.08	-0.55	1.21	-0.33	0.39	1.40	-0.85	0.36	1.60	0.16	0.94
3	0.35	-1.37	-0.45	2.07	-0.42	0.65	1.37	-0.46	0.58	1.35	0.30	0.93
4	0.47	-1.63	-0.54	0.45	-1.47	-0.50	1.45	-0.33	0.57	1.21	0.19	0.73
5	0.42	-1.88	-0.67	0.06	-1.68	-0.81	1.37	-0.09	0.64	1.09	0.17	0.72
6	0.98	-1.82	-0.44	0.24	-2.00	-0.88	1.37	0.13	0.78	1.44	-0.11	0.76
7	1.11	-1.41	-0.18	0.44	-1.75	-0.61	1.24	0.25	0.75	1.53	-0.12	0.74
8	1.38	-1.22	-0.07	0.78	-1.50	-0.30	1.06	0.0	0.65	2.03	-0.15	0.90
9	1.38	-0.59	0.19	0.75	-0.67	0.01	1.19	-0.24	0.57	1.88	-0.38	0.79
10	0.64	-1.04	-0.30	0.94	0.12	0.46	1.35	-0.10	0.66	1.88	-0.38	0.82
11	0.38	-0.66	-0.15	1.04	0.20	0.76	2.05	-0.01	1.03	1.89	-0.14	0.87
12	0.25	-0.17	0.04	1.44	0.44	1.01	1.68	0.08	0.86	1.63	-0.21	0.69
13	0.62	-0.31	0.11	1.15	-0.56	0.49	1.46	-0.44	0.61	1.54	-0.27	0.59
14	0.56	-0.37	0.05	2.40	-0.54	0.92	1.41	-0.64	0.40	1.26	-0.40	0.52
15	0.72	-0.65	0.04	2.46	0.08	1.11	0.89	-0.30	0.26	1.14	-0.34	0.37
16	1.11	-1.59	-0.04	1.10	-0.68	0.10	1.32	-0.62	0.40	0.88	-0.52	0.25
17	0.46	-2.11	-0.74	1.20	-0.80	0.24	0.43	-0.79	-0.11	0.67	-0.26	0.29
18	0.54	-1.35	-0.39	1.22	-0.57	0.41	0.74	-0.64	0.05	0.62	-0.07	0.37
19	1.17	-0.81	0.07	1.23	0.03	0.59	0.70	-0.61	0.05	0.56	-0.14	0.20
20	0.94	-0.98	-0.03	0.48	-0.96	-0.61	1.20	0.0	0.57	0.68	-0.22	0.19
21	1.23	-0.60	0.26	0.32	-1.63	-0.61	1.39	0.73	1.00	1.26	-0.23	0.47
22	1.05	-0.50	0.18	0.22	-0.86	-0.29	1.35	0.57	1.01	0.92	-0.72	0.29
23	1.53	-0.27	0.41	0.51	-0.84	-0.14	1.51	0.27	0.98	1.78	-0.65	0.53
24	1.53	0.41	0.96	0.41	-0.32	0.11	1.25	-0.69	0.52	1.42	-0.74	0.37
25	1.38	0.07	0.45	0.52	-0.31	0.03	1.20	-0.64	0.46	1.41	-0.91	0.31
26	0.80	-0.28	0.19	0.94	-0.57	0.16	1.55	-0.74	0.51	1.67	-0.91	0.55
27	0.29	-0.23	0.0	1.00	-0.45	0.28	1.38	-0.76	0.26	1.54	-0.81	0.35
28	0.55	-0.47	0.21	2.22	-0.17	1.09	1.77	-0.80	0.50	1.37	-0.72	0.38
29	---	---	---	1.91	0.14	1.27	1.62	-0.62	0.53	0.98	-0.76	0.17
30	---	---	---	1.39	-0.39	0.56	2.14	-0.22	1.07	0.73	-0.59	0.18
31	---	---	---	1.45	-0.64	0.40	---	---	---	0.71	-0.17	0.25

301429089145600 USCG MERRILL SHELL BANK LIGHT--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	0.71	-0.28	0.19	1.53	0.06	0.83	1.43	-0.24	0.66	---	---	0.69
2	0.97	-0.36	0.26	2.02	0.15	0.98	2.14	0.20	1.22	1.49	-0.05	0.77
3	0.92	-0.73	0.22	1.93	-0.02	0.95	2.59	0.44	1.66	1.40	0.16	0.86
4	1.35	-0.57	0.54	1.77	-0.47	0.71	2.53	0.78	1.66	1.17	0.08	0.77
5	2.08	-0.37	0.82	1.62	-0.60	0.52	2.58	0.86	1.74	1.09	0.23	0.77
6	2.20	-0.44	1.01	1.57	-0.62	0.52	2.33	0.54	1.54	1.01	0.44	0.77
7	2.03	-0.58	0.83	1.55	-0.55	0.53	1.41	0.01	0.85	1.29	0.68	1.03
8	1.47	-0.82	0.47	1.25	-0.55	0.33	1.29	0.01	0.62	1.69	0.47	0.98
9	1.24	-0.82	0.36	1.06	-0.69	0.19	0.79	0.32	0.62	2.04	0.27	1.03
10	1.02	-0.50	0.42	0.84	-0.75	0.08	0.56	0.27	0.41	1.80	0.04	0.82
11	2.66	-0.52	0.63	0.54	-0.66	-0.05	1.21	-0.64	0.39	1.55	-0.16	0.73
12	1.38	-0.53	0.59	0.64	-0.81	0.0	1.20	-0.28	0.38	2.07	0.90	1.48
13	1.04	-0.25	0.53	0.33	-0.64	0.01	1.23	-0.47	0.39	2.84	0.73	1.82
14	1.08	0.09	0.63	0.55	-0.37	0.03	1.56	-0.53	0.52	2.78	0.21	1.53
15	0.48	-0.12	0.26	1.14	0.03	0.59	1.86	---	---	2.20	-0.10	1.07
16	0.49	-0.41	-0.05	1.35	0.20	0.79	---	---	---	1.62	0.06	0.86
17	0.85	-0.63	0.08	1.38	-0.22	0.65	---	---	---	1.42	0.36	0.96
18	1.25	-0.27	0.46	1.77	-0.37	0.76	---	---	---	1.49	0.43	0.95
19	1.53	-0.75	0.47	1.80	-0.67	0.66	---	---	---	1.42	0.79	1.08
20	1.39	-0.91	0.31	1.48	-0.95	0.40	---	---	---	1.82	0.21	0.94
21	1.41	-1.10	0.28	1.88	-0.92	0.39	---	---	---	2.10	0.60	1.24
22	1.25	-1.15	0.13	2.04	-0.79	0.89	---	---	---	1.91	0.43	1.09
23	1.75	-1.03	0.42	2.08	-0.14	1.00	---	---	---	1.90	0.26	1.01
24	1.65	-0.87	0.47	1.85	0.18	1.12	---	---	---	1.91	0.15	0.96
25	1.25	-0.77	0.26	1.64	0.39	1.05	---	---	---	1.74	0.0	0.93
26	1.12	-0.65	0.33	1.17	0.26	0.70	---	---	---	1.68	0.17	0.94
27	0.96	-0.43	0.30	1.37	0.20	0.72	---	---	---	1.59	0.15	0.90
28	0.64	-0.31	0.36	1.34	-0.25	0.55	---	---	---	1.67	0.27	0.98
29	0.91	0.17	0.53	1.08	-0.60	0.30	---	0.37	0.14	1.83	0.47	1.16
30	1.65	0.20	0.80	0.92	-0.70	0.19	1.57	-0.08	0.80	1.52	0.50	1.02
31	---	---	---	0.97	-0.93	0.13	1.59	-0.15	0.82	---	---	---

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	1.01	0.23	0.63	1.97	0.24	1.06	1.77	-0.58	0.62	1.43	-1.00	0.07
2	0.91	0.47	0.68	2.03	0.19	1.11	1.65	-0.79	0.33	1.31	-0.86	0.10
3	1.39	0.22	0.78	2.00	0.30	1.15	1.67	-0.74	0.37	0.71	-1.37	-0.55
4	1.63	0.40	1.01	1.97	0.02	0.90	1.73	-0.62	0.50	0.00	-1.41	-0.64
5	2.06	0.47	1.23	1.83	0.15	0.93	1.79	---	---	2.63	-0.07	1.06
6	2.06	0.22	1.03	1.68	-0.23	0.73	---	---	---	1.45	-1.39	-0.64
7	---	---	---	1.66	-0.18	0.75	---	---	---	-0.22	-1.79	-0.87
8	---	---	---	1.71	-0.03	0.86	---	---	---	0.03	-1.50	-0.71
9	---	---	---	1.45	-0.16	0.66	---	---	---	0.59	-1.48	-0.45
10	---	---	---	1.18	-0.07	0.61	---	---	---	1.04	-1.30	-0.16
11	---	---	---	1.06	0.60	0.84	---	---	---	0.98	-1.22	-0.12
12	---	---	---	1.20	0.26	0.78	---	---	---	1.15	-1.09	-0.02
13	---	---	---	1.81	0.10	1.09	---	---	---	1.37	-1.15	0.00
14	---	---	---	1.73	0.36	1.02	---	---	---	1.37	-0.52	0.36
15	---	---	---	1.61	-0.03	0.76	---	---	---	1.18	-1.09	-0.09
16	---	---	---	1.45	-0.50	0.41	---	---	---	0.83	-0.58	0.07
17	---	---	---	1.40	-0.70	0.27	---	---	---	0.84	-0.77	-0.01
18	---	---	---	1.59	-0.78	0.25	---	---	---	0.85	-0.68	0.05
19	---	---	---	1.61	-0.42	0.46	---	---	---	0.56	-1.14	-0.09
20	---	---	---	1.34	-0.48	0.35	---	-0.57	-0.19	0.72	-0.45	0.32
21	---	---	---	1.41	-0.09	0.71	0.91	-0.20	0.35	0.72	-0.27	0.16
22	---	---	---	1.66	0.34	0.95	1.47	0.33	0.76	1.08	-0.38	0.42
23	---	---	---	1.91	0.26	1.09	1.56	0.40	0.84	1.07	-0.29	0.42
24	---	0.36	0.70	1.99	0.84	1.34	0.69	0.28	0.52	1.53	-0.53	0.52
25	1.53	0.22	0.85	1.04	0.54	0.77	0.85	-0.09	0.43	0.89	-1.10	0.07
26	1.23	0.02	0.68	1.18	0.70	0.88	0.70	-0.80	-0.02	1.27	-0.87	0.20
27	0.49	-0.35	0.16	1.86	0.41	1.10	1.03	-1.35	-0.17	1.67	-1.08	0.27
28	0.91	0.07	0.47	2.29	0.55	1.37	1.65	-1.11	0.30	1.65	-0.89	0.30
29	0.96	0.37	0.64	2.14	0.92	1.44	1.49	-0.91	0.37	1.57	-0.75	0.42
30	1.10	0.17	0.73	1.96	-0.41	0.73	1.50	-0.69	0.35	1.56	-0.44	0.44
31	1.45	0.10	0.82	---	---	---	1.56	-0.84	0.31	1.55	-0.16	0.60

301429089145600 USCG MERRILL SHELL BANK LIGHT--Continued

GAGE HEIGHT, FEET, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	1.48	-1.09	-0.15	1.90	0.44	1.19	1.72	-0.38	0.65	1.37	-0.98	0.27
2	0.23	-0.33	-0.03	2.62	0.79	1.69	1.93	-0.37	0.79	1.38	-0.69	0.42
3	0.30	-0.72	0.03	0.79	-1.10	-0.01	1.74	-0.46	0.60	1.26	-0.61	0.38
4	0.47	-0.86	-0.25	-0.10	-1.37	-0.83	1.20	-0.64	0.29	0.96	-0.67	0.23
5	1.95	-0.83	0.59	0.47	-1.63	-0.54	0.94	-0.82	0.05	0.90	-0.50	0.34
6	1.90	0.40	1.11	0.86	-1.28	-0.14	1.08	-0.82	0.22	1.06	-0.15	0.54
7	0.80	-1.20	-0.13	1.16	-0.84	0.22	1.69	-0.62	0.67	0.85	0.36	0.61
8	0.79	-1.12	-0.14	1.40	-0.54	0.48	2.12	0.57	1.29	0.87	0.45	0.67
9	1.23	-0.97	0.14	0.97	-0.31	0.32	1.90	0.95	1.42	0.88	0.10	0.60
10	0.97	-0.65	0.15	0.74	-1.00	-0.08	1.27	0.32	0.83	1.02	-0.10	0.58
11	0.53	-1.07	-0.32	1.16	-0.37	0.34	1.72	0.63	0.98	1.25	-0.25	0.64
12	0.82	-0.89	-0.02	1.14	-0.03	0.51	1.62	0.58	1.10	1.79	-0.19	0.88
13	0.74	-0.99	-0.01	0.71	-0.32	0.26	1.53	0.33	1.08	1.31	-1.46	0.37
14	0.62	-0.58	0.06	1.06	-0.03	0.44	1.53	-0.09	0.88	1.81	-1.40	0.46
15	0.63	-0.28	0.30	1.07	0.44	0.72	1.39	-0.22	0.62	2.02	-0.57	0.78
16	0.63	-0.47	0.10	---	---	---	1.52	-0.32	0.68	1.79	-0.31	0.73
17	0.47	-0.19	0.05	---	---	---	1.59	-0.57	0.55	1.70	-0.47	0.57
18	0.98	-0.11	0.55	---	---	---	1.39	-0.60	0.38	0.81	-0.80	0.12
19	0.87	0.35	0.59	---	---	---	1.41	-0.71	0.37	1.38	-0.93	0.35
20	1.44	0.33	0.71	---	---	---	1.21	-0.75	0.29	0.96	-0.56	0.32
21	1.67	0.06	0.86	---	---	---	1.16	-0.64	0.38	0.83	-0.36	0.26
22	1.02	-0.88	0.23	---	---	---	0.84	-0.97	0.07	1.03	-0.30	0.36
23	1.11	-0.98	0.16	---	---	---	1.29	0.01	0.68	1.14	0.07	0.46
24	1.20	-1.02	0.15	---	---	---	0.93	-0.14	0.52	1.23	-0.18	0.57
25	1.63	-0.92	0.30	---	---	---	0.85	-0.08	0.33	1.48	-0.25	0.71
26	1.46	-1.14	-0.11	---	---	---	1.48	0.02	0.80	1.82	-0.47	0.72
27	0.60	-1.59	-0.63	---	---	---	1.76	-0.13	0.96	1.90	-0.70	0.70
28	0.72	-0.66	-0.03	0.89	0.13	0.55	1.61	-0.64	0.66	1.97	-0.67	0.78
29	---	---	---	0.87	-0.25	0.48	1.58	-0.78	0.40	2.14	-0.34	0.98
30	---	---	---	1.27	0.11	0.67	1.39	-0.98	0.30	2.31	-0.06	1.06
31	---	---	---	1.61	-0.36	0.70	---	---	---	1.89	0.01	0.97

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	1.30	-0.15	0.55	0.97	-0.22	0.48	0.90	0.03	0.40	2.33	0.76	1.57
2	1.13	-0.19	0.48	0.74	-0.03	0.41	1.08	0.18	0.59	2.42	0.43	1.48
3	0.91	-0.21	0.50	0.53	-0.16	0.18	1.68	0.27	0.96	2.58	0.43	1.55
4	0.77	0.11	0.55	0.73	-0.40	0.13	2.29	0.80	1.50	2.61	0.38	1.56
5	1.20	0.41	0.82	0.82	-0.49	0.15	3.22	0.21	1.57	2.29	0.41	1.40
6	1.29	0.32	0.81	1.21	-0.26	0.47	2.03	-0.30	0.96	2.86	0.76	1.97
7	1.33	-0.18	0.66	1.41	-0.66	0.42	2.02	-0.64	0.79	3.15	1.44	2.41
8	1.50	-0.11	0.72	1.76	-0.27	0.76	2.12	-0.39	1.22	2.92	1.63	2.22
9	2.16	0.33	1.28	1.94	-0.24	0.83	2.42	0.31	1.37	2.05	1.33	1.73
10	2.48	-0.10	1.24	2.19	-0.12	1.07	2.35	0.33	1.48	1.85	0.82	1.37
11	2.20	-0.29	0.98	2.16	-0.13	1.00	2.20	0.97	1.62	1.84	0.41	1.10
12	2.00	-0.48	0.78	2.06	-0.32	1.03	1.50	0.67	1.18	2.29	0.80	1.42
13	1.85	-0.52	0.64	1.99	-0.34	0.79	1.34	0.67	0.91	2.80	1.04	2.00
14	1.56	-0.72	0.44	1.09	-0.25	0.41	1.52	0.28	0.87	4.18	0.74	2.18
15	1.90	-0.73	0.56	0.85	-0.30	0.21	1.99	0.51	1.16	2.26	0.19	1.23
16	1.37	-0.53	0.39	0.54	-0.14	0.32	1.98	0.37	1.20	1.86	-0.02	0.93
17	1.41	-0.17	0.82	0.66	-0.21	0.22	2.21	0.08	1.16	1.74	0.06	0.88
18	1.20	0.31	0.86	0.85	-0.37	0.28	2.07	0.16	1.13	1.55	0.16	0.91
19	1.17	0.57	0.86	1.03	-0.48	0.30	2.04	-0.03	1.02	1.61	0.51	1.10
20	1.41	0.04	0.64	1.47	-0.66	0.48	2.00	0.14	1.11	1.88	0.76	1.35
21	1.53	-0.12	0.71	1.55	-0.83	0.45	2.12	0.16	1.07	2.12	1.07	1.69
22	1.80	-0.21	0.87	1.52	-0.98	0.48	1.90	0.24	1.02	2.46	1.46	1.90
23	1.88	-0.31	0.87	1.60	-0.82	0.37	1.77	0.40	1.02	2.48	1.79	2.12
24	2.09	-0.40	0.94	1.77	-0.54	0.60	1.57	0.47	0.97	3.42	2.09	2.36
25	1.97	-0.40	0.89	1.69	-0.56	0.57	1.32	0.47	0.85	4.69	2.85	3.31
26	1.80	-0.68	0.57	1.46	-0.54	0.51	1.29	0.73	0.96	---	---	---
27	1.86	-0.58	0.65	1.43	-0.24	0.58	0.96	0.70	0.83	---	---	---
28	1.71	-0.58	0.58	1.04	-0.20	0.51	1.22	0.60	0.84	---	---	---
29	1.40	-0.37	0.50	1.28	0.15	0.65	1.33	0.49	0.91	---	---	---
30	1.09	-0.29	0.50	0.93	0.26	0.55	1.68	0.58	1.13	---	---	---
31	---	---	---	0.92	0.21	0.55	1.99	0.75	1.35	---	---	---

301429089145600 USCG MERRILL SHELL BANK LIGHT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, SEPTEMBER 1998

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	39800	---	38900
7	---	---	---	---	---	---	---	---	---	38200	37400	37800
8	---	---	---	---	---	---	---	---	---	37700	36800	37200
9	---	---	---	---	---	---	---	---	---	38800	36900	37600
10	---	---	---	---	---	---	---	---	---	40200	38700	39500
11	---	---	---	---	---	---	---	---	---	39400	37900	38600
12	---	---	---	---	---	---	---	---	---	39000	36800	37900
13	---	---	---	---	---	---	---	---	---	37600	36200	36800
14	---	---	---	---	---	---	---	---	---	36600	35100	36100
15	---	---	---	---	---	---	---	---	---	35900	32500	34800
16	---	---	---	---	---	---	---	---	---	34800	32400	33700
17	---	---	---	---	---	---	---	---	---	34100	30700	32600
18	---	---	---	---	---	---	---	---	---	32000	29100	30700
19	---	---	---	---	---	---	---	---	---	30100	29300	29600
20	---	---	---	---	---	---	---	---	---	29900	26300	28700
21	---	---	---	---	---	---	---	---	---	26400	20000	24600
22	---	---	---	---	---	---	---	---	---	21000	19600	20300
23	---	---	---	---	---	---	---	---	---	21500	20100	20600
24	---	---	---	---	---	---	---	---	---	24900	20600	23500
25	---	---	---	---	---	---	---	---	---	27300	24500	26000
26	---	---	---	---	---	---	---	---	---	28700	24800	26500
27	---	---	---	---	---	---	---	---	---	35900	---	32200
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999

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

301429089145600 USCG MERRILL SHELL BANK LIGHT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	---	---	---	32500	23900	28200	27300	21000	23700	29800	27800	29100
2	---	---	---	34900	24700	30600	26300	21500	23200	29600	27900	28700
3	---	---	---	31800	24900	27800	26100	20600	22700	30700	27900	29400
4	---	---	---	32900	26800	30100	23500	20400	21800	31600	29200	30400
5	---	---	---	34500	30900	33200	21900	19300	20700	31900	29200	30600
6	---	---	---	33900	27300	32200	21300	17900	19800	33200	31100	32300
7	---	---	---	35400	27600	33000	23500	17200	20500	34900	30100	32200
8	---	---	---	39300	33800	37200	23000	18900	21000	35200	33000	34400
9	---	---	---	38000	32400	35800	22700	17700	19300	35500	33500	34400
10	---	---	---	34000	31300	32600	25700	17200	21300	35200	33700	34400
11	---	---	---	33200	30300	31700	28200	18600	23100	35200	33300	34100
12	---	---	---	35600	30700	33600	27500	19700	22100	35200	32800	33600
13	---	---	---	35500	33100	34300	25900	21900	24200	33100	28600	31100
14	---	---	---	34400	27500	29600	27200	18100	23600	30800	28600	30000
15	---	---	---	28000	22000	25600	27100	19900	22600	31500	29200	30000
16	---	---	---	26800	23200	25300	22900	17000	20600	32700	29200	30400
17	---	---	---	27100	18000	24100	20700	17900	18700	32400	29200	30200
18	---	---	---	26900	18100	22600	25100	15600	19300	31000	29000	29800
19	27000	22500	23300	26600	16100	20700	24200	14600	20500	30900	28300	29500
20	23900	22600	23200	25200	14100	19400	26700	14700	20400	30700	29000	29700
21	24200	22700	23100	23300	16400	19900	28900	17900	23600	30300	28200	29300
22	28800	22400	24500	24000	16600	21700	34000	26200	29400	29800	27400	29200
23	28400	21100	24600	25000	17700	22300	32900	26500	31000	28800	27600	28100
24	31600	19100	23100	24000	16200	20800	30800	26100	28500	29700	27300	28500
25	31600	21000	26600	23100	16700	19900	28600	20900	25500	30600	28800	29400
26	31700	21200	26500	23600	16300	19700	28800	22400	26000	30600	25500	29000
27	32500	23700	28300	26600	17300	22200	28100	23300	26300	31000	25700	29700
28	30600	23900	26900	25900	19000	22300	31100	24600	27000	32300	28800	30300
29	---	---	---	25900	19800	22900	31100	26500	28700	32100	28900	30600
30	---	---	---	30100	22100	26300	29600	27900	28900	32300	29100	30800
31	---	---	---	29300	22600	26500	---	---	---	32100	29000	30600

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	32500	29800	31200	34200	25300	29900	36500	30800	33900	44300	41900	43400
2	32900	30400	31600	36500	27700	32500	39400	34200	36900	43200	38800	41100
3	32400	30100	31100	35900	29000	32600	39000	35300	37300	39400	38300	39000
4	32000	29600	30400	34200	32800	33400	41000	38400	40200	39400	37500	38700
5	31300	29000	30000	33400	31700	32600	41100	34600	39900	39400	36100	37900
6	32000	28800	30700	33500	29800	32400	40000	34200	38200	37300	34000	35900
7	32000	30300	31200	32800	28100	30000	40000	36700	38300	35800	33800	34900
8	31400	30100	31000	32900	28900	31000	39100	35900	37800	36000	33800	34900
9	31600	29100	30600	33500	31200	32300	37800	34300	36300	35900	33700	34600
10	30700	28600	29700	34400	32000	33100	38600	34300	35400	36800	33700	35300
11	---	---	---	34500	30600	32900	37000	34300	35400	36800	34500	35900
12	---	---	---	34500	30300	32300	35500	32300	34100	37500	34300	36200
13	---	---	---	36900	29600	32000	34200	31600	32900	37500	36000	36900
14	---	---	---	34300	29600	31900	36400	31900	34300	37400	35300	36100
15	---	---	---	35300	31200	33300	---	---	---	37500	34700	35900
16	31300	28700	29700	36000	32800	34200	---	---	---	36100	34300	35300
17	31800	28600	30100	35400	33900	34500	---	---	---	35900	34200	35100
18	33500	29100	31200	35000	33500	34100	---	---	---	36400	34800	35500
19	33500	29900	31800	34400	31600	32900	---	---	---	40200	35200	38400
20	33600	31900	32600	33000	30400	32100	---	---	---	41700	40000	41200
21	33300	31700	32700	32400	27200	30700	---	---	---	42700	40800	41700
22	34100	32400	33200	29100	23300	27300	---	---	---	41600	38100	40300
23	34100	32700	33500	28600	23600	26700	---	---	---	40100	37500	38500
24	33300	29400	32400	32400	25500	28700	---	---	---	39800	36100	38400
25	32000	30800	31300	33500	27400	30400	39900	36600	38300	40500	36900	38200
26	31100	28300	30300	32300	28000	30200	38800	36600	37500	38600	37200	37900
27	30600	26900	29000	33200	28000	30600	39700	36600	37800	39600	37700	38500
28	31200	25000	28300	34000	29300	31900	41000	36900	39400	39600	36500	37900
29	29400	23500	25900	35200	30400	32400	41100	37700	39400	38800	36300	37500
30	32400	22300	27000	35700	29900	32100	41400	38900	40500	39000	36300	37600
31	---	---	---	35800	29200	33900	42100	40500	41300	---	---	---

301429089145600 USCG MERRILL SHELL BANK LIGHT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	39000	36700	37800	39900	36800	38700	41500	39900	40600	36400	30800	34100
2	39800	38000	38900	37300	33900	35200	41600	39900	40900	36200	31600	34200
3	41500	38800	40300	34800	33900	34300	41900	40300	41000	35900	32200	34400
4	42000	40000	41000	35000	34400	34700	42100	40500	41000	35500	30800	32400
5	41800	40000	40900	36300	34900	35600	41100	39300	40200	34200	31400	32300
6	42700	39800	41500	36600	36100	36300	39400	38600	38800	36200	31600	33300
7	45600	41500	44100	37000	36100	36600	39000	38000	38400	36600	32400	34200
8	46100	45000	45700	39300	36700	37400	39800	36700	38100	38000	32900	35400
9	45000	39900	41900	41100	38500	39400	39800	37100	38000	38800	33600	36300
10	39900	37400	38300	41300	39600	40400	38500	36500	37300	38100	34300	35700
11	40900	37300	38300	41300	38700	39800	38300	36400	36900	36500	33300	34900
12	41100	40500	40800	39800	39000	39300	38700	38000	38300	36200	26900	32800
13	42500	40800	41500	39800	38800	39300	39000	36600	37900	36500	34300	35700
14	42900	39200	41700	40000	38500	39100	43600	35800	39300	36400	34000	35500
15	42800	39700	41500	39500	37900	38600	44100	39000	41600	39000	36400	38200
16	42900	38300	41000	38200	37200	37700	43300	40700	41800	38100	35500	36400
17	41900	34000	39200	38300	37300	37900	45700	42100	43700	37200	34200	35700
18	40900	35800	38400	44100	38000	41300	46700	44700	45800	37000	33700	35000
19	38200	34600	36600	44400	43100	43600	45500	42800	44300	36400	33600	34800
20	39400	36700	37900	44200	42300	43300	45400	41000	43500	35800	30700	32200
21	37000	32800	35500	44300	42100	43400	45100	41900	43000	34500	31700	32700
22	34300	28200	32400	45300	42000	43400	44100	37700	39600	35900	33100	34300
23	28400	27100	27900	45400	42000	43300	41200	37500	38600	36200	32500	34500
24	32500	28400	30000	44000	41800	42500	39400	30800	34800	35600	30600	32300
25	35600	32400	33400	42900	41300	42000	36700	30300	33400	35600	30200	33100
26	36200	31900	34500	42100	40300	40800	35000	27000	31300	36000	32800	33900
27	38400	33200	35800	41100	40400	40800	33100	26500	30700	43000	35900	40700
28	37900	34600	36400	41600	40500	41100	33500	29200	31400	43000	31300	39400
29	39100	36600	37600	41600	40700	41100	32800	26100	29800	40700	37900	39300
30	40300	38200	39500	43700	39800	40900	35900	31800	34300	38000	37100	37700
31	40900	39100	40000	---	---	---	36500	34000	35400	37900	36600	37300

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	38700	36500	37600	40200	37600	38600	44500	39200	42700	40500	38800	39700
2	38500	36000	37100	40700	38900	39700	39700	38200	38900	41000	39600	40400
3	38200	35700	36700	42900	39300	40800	40000	37100	38700	41200	36600	40000
4	37800	34500	35900	42900	39500	40700	38400	36100	37100	41400	36900	39600
5	36700	35300	35800	42900	39300	40700	37200	35900	36800	41800	38000	40200
6	37200	34900	35700	43100	40100	41800	37300	34800	35700	40100	36000	38200
7	37600	35100	36200	42800	40900	42200	37600	34700	36200	38300	33800	36100
8	37500	35800	36800	43100	41200	42500	36700	35400	36100	36400	32300	34300
9	38000	35700	37000	43600	41200	42500	35600	32400	34500	35700	30800	33300
10	38000	35500	37000	45600	42800	44600	39800	31600	35300	36500	30200	33300
11	---	---	---	44900	41800	43500	41200	37200	39400	36300	32500	34300
12	---	---	---	44400	41600	42900	41200	38200	39800	37000	34200	35500
13	---	---	---	46200	42200	44100	42700	39000	41200	36900	33900	35500
14	---	---	---	46000	42500	44300	42800	40200	41500	36000	33700	34700
15	---	---	---	46100	38100	43200	41800	35200	40900	35100	33500	34200
16	---	---	---	45500	38100	44100	37200	26100	35100	35600	32800	34400
17	---	---	---	45900	43400	44800	35000	27900	31500	35900	34800	35200
18	---	---	---	45500	42600	44200	31500	27100	30000	37800	34500	36700
19	---	---	---	45600	42900	44300	36100	30600	34000	37500	33700	35800
20	---	---	---	44600	43000	43900	34800	30400	32800	37300	33500	35400
21	---	---	---	44800	40000	42500	36400	34100	35000	35700	32600	34000
22	---	---	---	42200	39200	40900	37100	35200	36200	34200	32700	33300
23	---	---	---	42700	38400	40000	40600	35500	37400	35400	32100	33500
24	---	---	---	39400	35800	38200	37800	35200	36800	34200	31100	32400
25	---	---	---	37200	35600	36400	37700	34400	35800	37900	30700	34400
26	---	---	---	37000	35000	36100	37300	33600	35000	38200	33400	36200
27	---	---	---	43000	35600	37400	35700	31500	33700	37900	35400	37100
28	---	---	---	44700	41400	43600	35200	31300	33600	36200	33000	34400
29	39700	33500	36100	45800	43200	44400	38900	34600	36500	35600	31200	34200
30	---	---	---	45300	43900	44600	39800	35800	38400	38800	34000	37400
31	---	---	---	44500	43100	43800	---	---	---	39800	36700	38300

301429089145600 USCG MERRILL SHELL BANK LIGHT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	38900	36800	38100	40400	37200	38700	49100	45900	47100	47800	45600	46900
2	39400	36300	38100	41200	37200	39100	48900	46400	47400	46400	45600	46000
3	38900	36100	37400	42300	37500	39900	48100	46700	47200	47100	45500	46200
4	39500	35500	37400	42600	38400	40300	47400	43600	46500	47300	45100	46200
5	38100	35500	36800	41500	38400	40100	46800	42000	45300	46200	44700	45500
6	37200	34700	36000	41600	39300	40400	45300	38600	43300	47900	44100	46500
7	38300	35600	37100	40600	38800	39400	44900	43600	44200	48500	44100	47200
8	38700	35800	37200	39800	38600	39000	44500	42400	43700	47000	44700	45400
9	38400	36500	37600	41000	38100	39900	44400	42400	43300	45800	43600	44900
10	39000	37400	38100	40700	37500	39600	43500	42400	43000	46700	44500	45600
11	39000	36900	38100	40500	36200	38700	44700	42500	43500	46100	44000	45200
12	38700	36400	37400	39600	36000	37800	45000	42500	43700	46200	43000	44700
13	38800	36600	37800	39300	36000	37500	45500	42600	44300	44700	43200	44100
14	39500	37100	38000	39200	36500	37800	45600	42900	44600	44800	42000	43800
15	39800	36700	38100	41000	37000	39400	45200	42700	43900	44000	41900	43200
16	39300	36200	37600	43900	38800	41700	43800	40900	42800	45700	43200	44600
17	38700	36100	37300	43800	37200	41700	44400	42300	43100	46200	43900	45000
18	39200	35800	37300	44200	37400	42200	44600	43000	43700	45600	43300	44800
19	38700	36400	37600	45300	40800	43000	43800	40600	42600	45800	42600	44100
20	38100	36400	37100	46100	42200	44100	43800	37700	42200	46100	42600	44200
21	38100	36400	37100	47200	43100	45300	45800	42900	44300	45300	42900	43900
22	37800	34700	36500	47900	44200	46400	46900	40100	44500	45700	43300	44400
23	38800	36300	37500	47300	43600	45700	46800	42200	45200	45400	42400	43900
24	40000	37500	38500	46200	43400	44900	47300	38800	44200	45000	41300	43800
25	39600	37800	39000	48300	44400	46800	47500	35100	44300	45100	39900	42600
26	39300	38600	38900	49400	46500	47800	46400	40700	43800	45000	39900	42600
27	40000	38500	39400	48900	47000	47900	46500	39600	43200	45800	41700	43800
28	40800	38200	39400	48600	46600	47800	46800	43700	45300	46900	43700	46000
29	39200	36200	38200	48600	43600	47600	45400	43300	44300	47000	43300	46400
30	39300	36600	38100	47800	43300	46500	46700	43700	45100	46900	45300	46300
31	---	---	---	47800	45600	46600	47100	43300	45700	---	---	---

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	46800	45200	46000	46300	43400	44600	34200	30300	31800	41000	35700	37700
2	46600	44300	45600	46200	44300	45100	35300	28700	31200	44200	40600	42800
3	46600	45100	45900	46400	44600	45500	38900	28200	30100	43600	36300	40600
4	47100	44300	45900	46800	43900	45300	41500	32500	37500	39900	32400	35700
5	47600	44000	46100	46600	42500	44600	36200	28300	33000	41200	28800	35300
6	47800	43100	45400	47700	44500	46800	41900	27900	34300	38900	28500	33800
7	46700	44300	45300	47400	43200	46200	42200	37100	40200	41400	28800	36200
8	46900	44200	45300	47200	46200	46600	43900	34900	39800	39600	34000	37000
9	47000	44200	45800	47200	42800	44800	43700	35700	39600	38300	36100	36800
10	46600	42800	45300	45200	41500	43200	42300	34600	38800	41200	36600	38000
11	44900	41800	43700	45700	41600	43900	43200	36600	39100	42100	38300	39900
12	45900	42500	44200	45000	41300	43200	43100	36400	39400	41300	37000	38500
13	47300	43200	44700	45900	42100	43900	43900	39400	41900	40200	38100	39000
14	47300	43800	45500	46200	41100	42800	43200	38400	40300	41000	38300	39300
15	48500	44000	45800	43400	40700	41900	41700	39100	40300	40400	37800	38900
16	48600	43200	45500	45000	40800	42500	42000	37600	40300	43000	38400	41700
17	48900	43300	45400	43100	40900	41500	37600	28100	31600	44600	41600	42600
18	47900	42800	44800	44600	41200	42600	38500	33400	36100	43600	40700	41900
19	44900	42300	43800	44600	39300	41800	37300	26100	31100	42100	36600	40200
20	45200	43000	44500	40400	32400	37100	41200	30000	35000	39000	30500	36500
21	45900	43900	44900	37400	31100	33800	41900	39400	40900	39100	31700	36300
22	46600	42900	45400	---	---	---	44900	36900	40000	38100	32400	35500
23	46300	42900	44800	---	---	---	45900	39000	42700	36100	30600	33500
24	45600	43400	44600	---	---	---	45700	37200	40700	36900	30000	32900
25	45500	42900	44600	---	---	---	44500	38100	40300	36800	28000	31400
26	45100	43400	44500	---	---	---	45400	40500	43600	36700	28900	33200
27	45100	42100	43700	---	---	---	45200	41400	43600	37500	30800	34400
28	45500	42700	43800	---	---	---	44200	38800	41200	40300	33100	36600
29	45400	43300	44000	---	---	---	41500	37900	39200	41200	38800	40100
30	45700	43100	44200	34100	28800	31500	37900	34500	36300	38800	31200	34800
31	45900	42500	44200	---	---	---	37700	35200	36300	34100	27600	31100

301429089145600 USCG MERRILL SHELL BANK LIGHT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	35300	27600	33100	32500	26600	29900	21100	12500	17400	27300	22800	24900
2	34200	31300	33200	31300	25300	28800	24200	12600	19200	26700	22400	24800
3	35000	32200	33400	28400	23700	26600	22700	18100	20100	26100	23200	24800
4	34200	26100	31400	26000	21100	22100	22300	18000	19700	25200	22500	23800
5	32200	23200	27500	21700	15000	17900	22600	18000	20100	25500	22300	24300
6	33800	23400	27500	16300	10700	14000	22700	19700	21100	24800	22000	23400
7	36300	25300	29700	23300	11000	14800	21900	18100	20200	24800	22000	23300
8	36300	28600	32000	26100	9770	16900	19200	12900	17100	26000	21900	23700
9	36500	31300	33300	26200	17500	22200	18100	13400	14800	26100	21700	23700
10	33600	28900	30700	25800	20900	23800	19400	15200	16900	25800	21500	23600
11	33000	29700	31100	28200	24300	26400	23700	15500	19100	26500	22400	24400
12	35600	30100	32800	27800	16900	25300	21800	16100	18700	25600	22800	24300
13	38700	30600	34700	18600	12400	15200	20600	16000	17200	25500	22900	24100
14	34800	26700	29800	26700	9620	16700	19900	16600	18300	25700	23700	24600
15	32400	20500	27600	27500	18100	22900	19800	17600	18500	28000	24900	26400
16	30300	23200	25800	18100	12700	14200	19400	18300	19000	28200	24600	26400
17	28400	21600	24000	17800	11700	14600	19500	17100	18700	28000	23100	25700
18	33200	24400	27500	19200	13200	15700	22200	16300	19000	29000	23700	26800
19	34700	27400	31200	17000	8230	12500	21500	13000	17400	29300	23600	25900
20	34400	26500	29800	13100	3300	6410	25400	19800	22000	27500	23000	25400
21	35500	28100	31700	3720	3010	3370	25400	23200	23900	28000	23400	26000
22	35500	28300	32700	7710	3180	4140	24400	23300	23800	30400	21900	27100
23	35900	33800	34700	18100	3400	6760	25700	21000	24000	31600	22000	27900
24	37300	35400	36000	19700	4560	11300	24900	17900	21200	34000	25100	29900
25	37400	32400	33900	---	---	---	24200	17900	21400	34000	27000	30500
26	33700	30200	32100	---	---	---	23800	18800	21000	33400	27500	31100
27	31700	23800	28100	---	---	---	21800	19000	20000	36100	28900	32500
28	30800	23900	26500	---	---	---	22700	19300	20800	38300	29900	34000
29	---	---	---	---	---	---	22900	19700	21300	35900	28000	31900
30	---	---	---	---	---	---	25100	20900	23300	34900	28300	32400
31	---	---	---	23500	15900	20900	---	---	---	33400	28700	31100

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	35000	29800	32400	25000	18400	23200	28000	22800	26600	29300	26800	27900
2	33700	30100	32100	26100	22100	23800	29400	26200	28300	29300	25400	27800
3	35500	30000	33600	26000	22400	24300	31000	27000	29300	29600	25800	27500
4	34400	29400	32200	26400	21000	23800	31100	27800	29300	29200	24900	27400
5	34400	29700	33000	24200	19500	22000	30500	28300	29500	28400	24200	26900
6	35600	30400	34000	24400	18700	21500	32000	28700	30800	28300	25900	27300
7	34400	29000	31500	24600	18000	21500	32700	26800	30500	29900	26300	28400
8	30800	26900	28600	25500	17800	21500	---	---	---	29800	22900	27600
9	31700	25800	29500	25400	16600	19800	---	---	---	30600	24900	27900
10	25900	19100	23800	24500	17100	20000	---	---	---	29000	24000	26200
11	22300	6930	12900	23600	16500	19700	---	---	---	26500	22800	24600
12	9590	6720	7950	22700	18300	21200	---	---	---	28300	24100	26200
13	7800	6490	7100	24600	20000	22400	---	---	---	31900	25000	29000
14	7520	5750	6410	30900	21100	24800	---	---	---	32300	25000	28600
15	6360	4790	5390	32700	24100	30900	---	---	---	29100	25300	27200
16	6870	5300	5850	35000	32600	34000	---	---	---	29100	24600	26700
17	9390	5480	7060	34700	29200	32900	---	---	---	27900	20700	25300
18	13800	7100	11100	34100	29800	32600	---	---	---	24500	17400	21200
19	16100	11000	13700	34300	29800	32500	---	---	---	23600	15600	20400
20	16000	11000	13700	31800	29100	30900	---	---	---	25800	18800	22500
21	17000	12500	14500	31000	28700	29600	---	---	---	25400	21000	24000
22	17800	11400	14100	31800	28000	29900	---	---	---	26500	22300	24300
23	17000	11400	14300	33100	29300	31300	---	---	---	26200	22000	24300
24	19100	13000	16400	35400	30700	33300	---	---	---	25600	21700	23600
25	19900	16200	18000	35700	33900	34700	---	---	---	27300	20900	24000
26	22500	17100	19800	35200	30200	33300	---	---	---	27300	22200	25000
27	22700	18200	20400	33900	26800	31400	---	---	---	26900	22400	24800
28	22300	17500	19300	30800	21900	27500	---	---	---	26500	22800	24800
29	22500	17200	20300	29000	20100	24400	29000	24000	26100	26800	22800	25400
30	25200	18400	22900	26900	20100	24300	30100	24600	28100	26800	22700	25100
31	---	---	---	28100	22700	24800	31800	26300	29000	---	---	---

301429089145600 USCG MERRILL SHELL BANK LIGHT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	24200	21000	22600	36000	27900	33700	31400	27100	29000	35300	29900	31700
2	22700	21000	22000	36500	31000	34200	31200	25800	28300	39000	27000	31000
3	24800	19900	22200	36600	32700	34800	30700	26500	28200	29900	19900	24900
4	30000	22500	26600	36800	32400	34100	31800	27500	29200	28000	13300	22400
5	30100	26400	29000	36700	32400	34000	---	---	---	39500	23500	30900
6	31000	26300	29200	35100	27800	32700	---	---	---	38400	22000	26900
7	---	---	---	34800	27500	31900	---	---	---	22800	15400	18500
8	---	---	---	36200	29200	32500	---	---	---	21000	15800	18000
9	---	---	---	36900	28900	32800	---	---	---	26900	8930	17300
10	---	---	---	33400	28500	31400	---	---	---	31700	14400	23100
11	---	---	---	34200	30800	32500	---	---	---	32800	18700	26800
12	---	---	---	35300	29600	32800	---	---	---	32600	26800	29500
13	---	---	---	40800	30500	36600	---	---	---	32100	28100	29900
14	---	---	---	40600	33500	37400	---	---	---	34000	28700	31300
15	---	---	---	39200	32600	35000	---	---	---	34400	27800	30700
16	---	---	---	35900	33300	34100	---	---	---	31800	28900	30300
17	---	---	---	34700	31300	33100	---	---	---	31900	28500	30000
18	---	---	---	34800	28600	32300	---	---	---	31100	24900	28400
19	---	---	---	34400	30600	32400	---	---	---	30400	25200	27000
20	---	---	---	34800	30700	32300	27300	22500	24000	31800	25700	28700
21	---	---	---	36600	31500	34400	30800	24900	27700	31900	28700	30100
22	---	---	---	39000	32400	35900	37500	30600	32700	34200	28500	31400
23	---	---	---	40500	35600	38600	38500	30200	34400	32700	29300	31200
24	30100	20100	24900	40600	36000	38500	32400	23100	28100	31600	26000	28600
25	30400	25400	27600	38600	32500	34500	37000	23200	29300	29700	25200	27200
26	28100	24600	26700	35000	30500	31900	33900	18300	24300	31500	26500	28600
27	25500	21700	23600	34900	23200	30800	27900	17200	23400	33000	26400	28900
28	29700	22000	24800	40400	32200	34800	33700	15600	25700	33300	26700	29300
29	26200	21200	23200	39300	29500	34400	33800	23900	29700	32900	27500	29900
30	31500	20000	23600	31500	26600	29000	35000	27400	30600	33400	28000	30200
31	36200	20200	28300	---	---	---	35600	29600	31800	32800	28200	29900

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	29900	24600	27200	40900	34000	38300	22100	16300	19300	25000	17700	20900
2	27300	25000	26400	41500	37000	40400	22300	15600	19300	26200	17400	22300
3	27100	22500	25800	37700	29300	34100	21500	16000	19000	30200	17200	24800
4	26300	20100	22800	34800	25600	32000	20600	15400	17500	28300	20700	24600
5	---	---	---	28400	15900	23300	19100	15000	16400	26200	16200	21800
6	---	---	---	31400	18300	25200	23600	14400	19100	28800	20600	25800
7	---	---	---	34600	23400	29400	24900	14200	17900	28100	24900	26700
8	---	---	---	37100	26600	32100	25400	17400	22000	27800	22900	25800
9	---	---	---	36400	26500	32000	24000	19500	21700	27000	21700	24500
10	---	---	---	37200	30800	34000	23700	14500	18500	28900	23400	26100
11	---	---	---	37500	31900	35700	19800	13600	16700	29500	25600	27300
12	---	---	---	37400	31400	34400	22000	17900	19200	31700	25900	29300
13	---	---	---	34300	25700	31300	19100	13400	17500	29500	24200	27100
14	---	---	---	33500	20500	27400	16100	11000	13900	31600	24200	27600
15	---	---	---	34000	21800	27100	15000	10100	11800	30800	25000	28200
16	---	---	---	---	---	---	17700	9230	13000	30500	27500	29100
17	---	---	---	---	---	---	14400	7960	10800	30800	26900	28500
18	---	---	---	---	---	---	13200	6950	10400	28400	25500	27200
19	---	---	---	---	---	---	15100	8700	11700	30200	24800	27600
20	---	---	---	---	---	---	17200	7400	12100	29200	26400	28000
21	---	---	---	---	---	---	20100	8440	14000	28100	25000	26900
22	34100	30100	32000	---	---	---	21100	9600	15300	28700	26100	27700
23	32900	29000	30900	---	---	---	21300	17500	19400	28000	26600	27300
24	33900	27400	30800	---	---	---	22800	14600	19200	28400	27000	28000
25	35200	27100	31000	---	---	---	24400	14900	18700	31300	27800	30100
26	35200	25800	29100	---	---	---	24200	17300	22400	33000	29400	31100
27	28800	21200	24200	---	---	---	25900	21400	24000	33200	29000	31000
28	34000	24200	27400	23500	21100	22200	26200	20800	23100	32800	28400	30900
29	---	---	---	23600	14400	20400	25800	21300	23400	34400	30200	32200
30	---	---	---	23100	15500	19300	25700	20100	22900	35800	30600	33300
31	---	---	---	23000	15900	19300	---	---	---	35400	31900	33700

301429089145600 USCG MERRILL SHELL BANK LIGHT--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	35900	31800	34300	26400	24900	25600	34500	31800	33100	35300	32100	33900
2	35900	32200	33900	26700	24800	25600	37000	32000	34900	35400	30600	33100
3	35400	31500	33900	26700	23300	25000	40900	34500	38600	35000	31300	32800
4	34800	31500	33100	24900	22100	23600	43000	38000	40700	34900	31300	32900
5	36900	33000	35100	25400	21700	23900	43700	37500	41800	34600	31700	33300
6	37000	33500	35400	26500	24500	25300	39700	36700	38500	35500	32800	34100
7	36300	31000	33600	28200	24700	26300	37800	35500	36600	34700	32800	34100
8	34200	30700	32500	29100	24900	27600	38100	35500	36500	34600	33100	33900
9	35100	31100	33900	30000	26200	28000	39600	35900	37400	33900	32300	33000
10	34800	32900	34200	30500	26800	28500	39800	35300	37400	34200	32500	33600
11	35000	32100	33500	31200	26700	29000	39300	36400	37900	34200	28700	32000
12	33900	31400	32500	31300	27900	29600	37200	35100	36200	32200	29200	31000
13	32600	30100	31500	31300	28100	29500	35500	27500	32000	32200	30500	31600
14	32400	28500	29700	29700	27000	28600	34500	23600	31000	33900	31300	32400
15	30900	27900	29500	27600	25400	26600	32200	29100	30400	32300	30000	31400
16	29900	27700	28800	28200	25600	27200	34200	28700	31600	31700	27200	30100
17	31200	27800	29800	30800	24600	27700	33100	28000	30500	30400	27400	29200
18	31200	29300	30500	29600	24200	27300	32300	28000	30000	30100	27200	28700
19	32300	29300	30700	31400	24200	28400	31800	27400	29400	29400	27400	28300
20	33500	28400	30500	31500	26700	29100	31800	27400	29500	30900	27800	29300
21	32600	28400	30600	31400	26200	28900	32000	27700	29400	32200	27900	30700
22	33500	27800	30300	31900	26800	29600	31300	27900	29200	32600	30900	31800
23	33200	27600	29600	31900	28400	30100	31800	28300	29800	33200	31000	31800
24	31000	27400	29200	33700	30000	32000	31700	28400	29900	34400	32600	33600
25	30500	27400	29000	34100	30800	32600	32000	29000	30000	35800	32400	33500
26	29800	26300	28100	38400	31400	34700	30700	28400	29500	---	---	---
27	28400	25100	26800	40200	35800	38300	28900	27000	28300	---	---	---
28	26900	24900	26000	38200	35700	37200	30800	27000	29400	---	---	---
29	27100	24000	25600	37200	35700	36300	34300	28200	31000	---	---	---
30	26600	24100	25500	36400	34700	35400	33700	30200	32000	---	---	---
31	---	---	---	35600	34300	35000	33800	31300	32700	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, AUGUST TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	---	30.5
2	---	---	---	---	---	---	---	---	---	---	---	29.1
3	---	---	---	---	---	---	---	---	---	---	---	28.3
4	---	---	---	---	---	---	---	---	---	---	---	28.6
5	---	---	---	---	---	---	---	---	---	---	---	28.8
6	---	---	---	---	---	---	---	---	---	---	---	28.7
7	---	---	---	---	---	---	---	---	---	---	---	28.5
8	---	---	---	---	---	---	---	---	---	---	---	28.6
9	---	---	---	---	---	---	---	---	---	---	---	28.5
10	---	---	---	---	---	---	---	---	---	---	---	27.5
11	---	---	---	---	---	---	---	---	---	---	---	26.5
12	---	---	---	---	---	---	---	---	---	---	---	25.8
13	---	---	---	---	---	---	---	---	---	---	---	25.8
14	---	---	---	---	---	---	---	---	---	---	---	26.3
15	---	---	---	---	---	---	---	---	---	---	---	26.8
16	---	---	---	---	---	---	---	---	---	---	---	27.4
17	---	---	---	---	---	---	---	---	---	---	---	27.5
18	---	---	---	---	---	---	---	---	---	---	---	27.5
19	---	---	---	---	---	---	---	---	---	---	---	27.7
20	---	---	---	---	---	---	---	---	---	---	---	27.7
21	---	---	---	---	---	---	---	---	---	---	---	28.0
22	---	---	---	---	---	---	---	---	---	---	---	27.8
23	---	---	---	---	---	---	---	---	---	---	---	28.0
24	---	---	---	---	---	---	---	---	---	---	---	28.0
25	---	---	---	---	---	---	---	---	---	---	---	27.9
26	---	---	---	---	---	---	---	---	---	---	---	27.8
27	---	---	---	---	---	---	---	---	---	---	---	27.5
28	---	---	---	---	---	---	---	---	---	---	32.1	---
29	---	---	---	---	---	---	---	---	---	---	31.6	---
30	---	---	---	---	---	---	---	---	---	---	31.7	---
31	---	---	---	---	---	---	---	---	---	---	31.6	---

301429089145600 USCG MERRILL SHELL BANK LIGHT--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	16.3	18.7	23.4	27.7	29.2	31.1	29.1
2	---	---	---	---	---	17.1	19.7	23.4	28.2	29.4	31.2	28.2
3	---	---	---	---	---	17.1	20.6	23.6	28.6	29.8	31.3	27.9
4	---	---	---	---	---	16.0	20.7	23.4	29.2	29.7	31.3	28.4
5	---	---	---	---	---	15.8	21.2	23.5	29.7	29.3	31.5	29.1
6	---	---	---	---	---	16.3	21.8	24.4	29.7	29.5	31.9	29.4
7	---	---	---	---	---	16.4	22.6	25.4	29.5	29.8	32.0	29.2
8	---	---	---	---	---	15.9	23.5	25.4	29.5	29.4	32.0	29.1
9	---	---	---	---	---	16.5	24.1	25.6	29.4	29.4	31.4	28.9
10	---	---	---	---	---	17.1	24.5	25.6	29.6	29.8	30.5	28.4
11	---	---	---	---	---	17.3	24.8	25.1	---	30.0	30.4	28.1
12	---	---	---	---	---	16.9	24.5	24.6	---	29.8	30.4	28.4
13	---	---	---	---	---	16.7	24.1	24.9	---	29.0	30.7	28.7
14	---	---	---	---	---	15.9	23.7	25.3	---	29.1	30.9	28.5
15	---	---	---	---	---	14.5	23.8	25.6	---	29.6	---	27.4
16	---	---	---	---	---	14.5	22.0	25.8	29.7	29.8	---	26.4
17	---	---	---	---	---	14.9	20.5	26.1	29.4	29.5	---	25.8
18	---	---	---	---	---	16.0	19.8	26.5	28.7	29.2	---	25.3
19	---	---	---	---	16.0	17.3	19.9	26.8	28.4	29.5	---	26.1
20	---	---	---	---	15.6	17.9	20.4	27.0	28.0	29.2	---	26.5
21	---	---	---	---	15.1	17.3	21.2	27.3	27.9	29.5	---	26.6
22	---	---	---	---	13.6	17.2	22.0	27.4	28.1	30.0	---	25.3
23	---	---	---	---	13.4	17.5	22.8	27.4	28.7	30.1	---	23.9
24	---	---	---	---	13.6	18.3	23.7	27.3	29.4	30.1	---	23.9
25	---	---	---	---	14.1	19.1	24.7	27.4	29.4	30.2	31.0	24.2
26	---	---	---	---	14.8	18.3	25.2	27.8	28.8	30.2	30.8	24.5
27	---	---	---	---	15.5	17.4	25.4	28.1	28.4	30.0	30.8	25.0
28	---	---	---	---	16.1	17.4	25.7	28.1	28.9	30.2	30.6	25.5
29	---	---	---	---	---	18.1	25.8	27.5	29.2	30.5	30.6	25.9
30	---	---	---	---	---	17.9	25.0	27.2	29.3	30.4	30.4	24.6
31	---	---	---	---	---	17.7	---	27.3	---	30.7	30.1	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.6	21.0	15.2	12.4	9.6	19.1	22.2	23.5	28.1	29.1	29.2	30.4
2	23.5	20.2	15.5	13.0	9.8	19.8	22.4	23.9	28.6	29.1	29.1	30.5
3	24.2	18.6	15.7	13.9	10.0	20.2	22.9	24.0	28.9	29.6	28.7	30.5
4	24.8	18.4	16.1	14.2	10.6	19.7	21.6	24.3	28.9	29.8	28.9	30.9
5	24.6	18.6	16.5	12.9	10.8	18.9	20.5	24.7	28.4	29.9	29.7	31.0
6	23.6	18.8	15.9	12.5	10.4	19.2	20.0	25.0	28.2	30.2	30.2	29.7
7	23.6	18.9	15.4	12.5	10.6	19.7	20.2	25.4	27.2	30.5	30.5	28.0
8	23.9	19.0	15.1	12.6	11.0	20.2	20.3	25.6	27.2	31.2	30.6	27.4
9	24.1	19.4	15.3	13.1	11.5	20.6	19.0	25.9	27.6	31.3	30.7	27.2
10	24.3	19.7	15.5	13.8	12.1	21.6	18.7	26.3	27.7	31.1	30.4	27.7
11	24.5	20.2	15.4	14.2	12.9	21.8	19.5	26.9	28.1	31.1	29.7	28.3
12	24.5	20.2	15.6	14.8	13.7	19.8	20.4	27.3	28.5	31.1	30.1	28.5
13	24.9	20.2	16.0	15.2	14.7	18.9	21.1	27.7	28.6	30.8	30.2	28.7
14	25.3	20.4	15.7	14.4	15.4	18.7	21.1	27.0	28.7	30.6	30.3	28.8
15	25.7	20.4	15.4	13.6	15.8	18.9	21.2	26.0	28.5	30.2	30.4	29.1
16	25.8	19.3	14.3	13.7	16.4	19.1	21.6	26.0	28.0	30.3	30.4	27.7
17	25.9	18.7	14.0	14.0	17.0	19.9	22.3	26.0	27.7	30.3	30.7	26.1
18	25.4	18.5	13.8	14.5	17.7	20.0	22.2	26.4	28.0	30.6	31.0	25.7
19	24.6	18.3	13.3	15.1	18.4	19.9	22.8	27.0	28.6	30.4	31.2	25.9
20	23.0	18.6	13.2	15.3	17.6	19.2	23.4	27.3	29.0	30.5	30.9	26.5
21	21.6	19.0	13.0	13.8	17.1	19.2	23.4	27.3	29.3	30.4	30.7	27.2
22	21.0	19.3	12.1	13.2	17.0	19.7	22.8	27.5	29.5	29.9	30.6	27.2
23	20.6	19.7	11.5	13.6	17.0	20.3	22.4	27.8	29.8	29.3	30.2	27.7
24	19.5	20.1	11.4	13.1	17.8	20.7	22.6	27.9	30.3	29.1	30.4	28.3
25	19.0	19.9	11.1	11.8	18.3	21.3	22.0	28.2	30.4	28.8	30.8	28.3
26	18.9	18.8	10.9	10.4	19.1	21.8	21.9	28.5	29.8	29.0	31.0	25.9
27	19.2	18.1	11.0	10.0	19.5	21.9	22.4	28.8	29.4	29.3	31.1	24.9
28	19.6	17.8	10.9	9.9	19.0	21.6	22.8	28.8	29.2	29.7	31.2	24.6
29	20.1	17.6	10.6	9.8	18.9	21.7	23.0	28.8	29.3	30.1	31.0	24.1
30	20.4	16.3	11.1	9.5	---	22.0	23.3	28.5	29.1	29.8	30.8	24.0
31	20.7	---	11.7	9.6	---	22.2	---	28.2	---	29.5	30.6	---

301429089145600 USCG MERRILL SHELL BANK LIGHT--Continued

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.3	24.2	14.1	6.4	12.2	18.4	17.0	22.8	27.4	29.1	28.9	29.4
2	24.7	24.3	14.1	5.6	11.5	18.8	17.8	23.1	27.9	29.2	28.7	29.1
3	25.0	24.5	12.5	4.8	10.7	19.5	18.8	23.6	28.0	29.2	28.5	28.7
4	25.3	24.5	11.7	4.9	10.3	18.5	19.6	24.1	28.3	29.5	28.8	29.0
5	25.9	24.3	11.2	5.5	10.7	17.7	20.7	24.2	28.0	29.2	28.9	29.3
6	26.2	24.0	11.4	6.2	11.3	16.8	21.7	24.2	27.4	29.0	28.8	29.8
7	24.8	24.0	11.7	6.8	12.1	16.0	22.2	24.7	27.1	29.6	28.7	29.9
8	21.0	24.2	11.9	7.5	13.0	16.0	23.0	24.8	27.1	30.0	28.4	29.6
9	18.3	23.7	12.3	7.5	13.7	16.4	23.7	25.0	26.8	30.2	28.3	29.3
10	17.0	21.4	12.7	7.3	14.1	15.9	24.4	25.4	26.5	30.2	28.2	29.1
11	16.9	19.9	13.1	7.4	13.6	16.2	24.4	25.7	26.0	29.7	27.9	29.0
12	17.5	19.4	12.9	7.9	14.1	16.7	24.6	26.0	26.8	29.0	27.1	28.8
13	18.3	18.9	12.0	8.1	14.7	17.2	25.6	26.3	27.5	29.0	27.0	28.6
14	19.2	17.2	12.4	8.5	15.5	17.7	26.2	26.2	28.0	28.6	27.5	27.9
15	19.7	15.8	12.2	9.1	16.2	17.4	26.2	26.3	28.3	28.4	28.0	27.5
16	20.2	15.9	12.7	9.2	17.4	17.3	25.9	26.5	28.4	28.4	---	27.5
17	20.8	15.7	11.7	9.6	16.1	16.6	24.6	26.8	28.4	28.9	---	27.8
18	21.3	14.5	10.9	10.1	14.7	15.8	21.9	26.8	28.7	29.2	---	27.8
19	21.5	13.1	10.0	10.5	14.6	15.4	21.2	26.7	28.8	29.8	---	27.6
20	21.9	12.6	8.8	9.7	15.3	14.4	21.3	27.0	28.9	30.2	---	27.7
21	22.3	12.0	9.0	8.9	15.9	14.0	21.9	26.7	29.2	30.1	---	27.6
22	22.8	---	8.0	8.8	16.3	14.9	22.4	26.2	29.2	29.6	---	27.9
23	23.1	---	7.5	8.5	16.0	15.5	23.0	25.2	28.8	29.7	31.1	28.2
24	23.0	---	7.7	8.7	16.3	17.4	23.4	25.0	28.4	30.2	30.7	28.1
25	22.9	---	7.8	9.1	17.0	17.4	22.2	25.2	28.4	29.4	30.7	26.6
26	23.0	---	8.2	9.4	17.4	16.3	21.7	25.4	28.7	28.2	30.4	24.9
27	23.1	---	8.7	10.0	18.0	15.7	21.9	26.1	28.3	28.3	---	23.9
28	23.4	---	8.7	10.7	18.4	15.0	22.1	26.3	28.4	29.1	30.0	23.4
29	23.7	14.3	8.2	11.6	---	14.9	22.4	26.7	28.6	29.3	29.8	23.1
30	23.8	14.3	7.4	12.0	---	15.8	22.6	27.3	28.7	29.5	29.4	22.8
31	24.0	---	6.5	12.6	---	16.5	---	27.6	---	29.3	29.5	---

WATER TEMPERATURE, DEGREES CELSIUS, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.4	18.4	18.9	9.7	17.0	11.9	20.6	26.6	26.6	29.5	29.7	29.4
2	22.3	19.0	18.6	8.3	15.3	12.5	20.9	26.7	27.5	29.9	29.6	28.8
3	23.0	19.4	18.5	7.2	14.7	11.4	21.8	27.0	28.1	30.2	29.6	28.3
4	23.3	19.9	18.7	6.6	14.2	9.4	20.7	27.3	28.8	30.5	29.3	28.2
5	23.8	19.5	---	7.0	13.4	9.5	19.5	27.9	29.2	30.4	28.4	28.5
6	24.0	19.4	---	7.5	12.2	10.5	18.7	27.9	28.9	30.5	28.3	28.7
7	---	19.6	---	7.2	---	11.4	18.7	28.3	29.2	30.8	28.9	28.1
8	---	20.0	---	7.1	---	12.2	19.7	28.4	29.5	30.4	29.3	27.7
9	---	20.2	---	7.5	---	12.9	19.6	28.3	29.1	29.9	28.8	27.7
10	---	20.2	---	8.4	---	12.6	20.3	28.4	28.8	30.1	28.4	28.1
11	---	20.3	---	9.3	---	12.7	21.1	28.3	28.8	30.5	28.3	28.8
12	---	20.3	---	10.0	---	13.5	20.8	28.4	29.2	30.8	28.1	28.9
13	---	20.1	---	10.2	---	13.8	21.1	28.0	29.8	30.5	28.4	28.9
14	---	19.8	---	10.7	---	14.6	21.9	25.9	29.8	29.9	28.6	28.5
15	---	19.6	---	10.6	---	16.1	22.4	25.1	29.0	29.8	28.9	28.8
16	---	19.4	---	11.0	---	---	23.2	24.9	28.4	30.4	29.2	29.2
17	---	19.1	---	11.2	---	---	24.0	25.6	27.6	30.8	29.6	29.2
18	---	19.1	---	12.1	---	---	24.5	24.9	27.6	31.1	30.1	29.4
19	---	19.4	---	12.9	---	---	25.1	22.7	27.8	31.3	30.3	29.2
20	---	19.3	16.1	12.1	---	---	25.7	21.8	28.1	31.7	30.3	29.3
21	---	18.0	15.5	12.5	---	---	25.8	21.5	28.1	31.4	30.3	29.6
22	---	17.8	15.7	12.9	15.2	---	25.7	21.6	27.5	30.8	29.6	29.4
23	---	18.0	16.0	13.4	14.1	---	24.8	21.9	27.1	30.3	29.7	28.4
24	23.1	18.7	14.3	15.2	14.0	---	25.0	22.5	27.4	30.4	29.9	27.4
25	22.5	19.0	13.4	17.2	14.5	---	25.6	23.6	28.0	29.9	30.2	26.2
26	21.0	19.6	12.4	14.9	14.9	---	24.9	24.4	28.1	29.7	29.8	---
27	19.4	20.2	11.8	14.9	12.9	---	25.2	25.2	27.9	30.2	29.8	---
28	17.8	20.4	11.6	15.3	11.7	---	25.8	25.7	28.1	30.7	29.9	---
29	16.9	20.5	12.2	15.8	---	19.1	26.3	26.2	28.5	30.6	29.9	---
30	17.2	19.5	11.9	16.5	---	20.3	26.7	26.1	28.9	30.1	30.0	---
31	17.7	---	11.0	17.3	---	20.7	---	26.1	---	29.9	29.7	---

TENNESSEE RIVER BASIN

03592718 LITTLE YELLOW CREEK EAST NEAR BURNSVILLE, MS

LOCATION.--Lat 34°50'10", long 88°17'14", in NW1/4 SE1/4 sec.7, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, on right bank about 70 ft downstream of bridge on county road 0.2 mi northeast of Walker Siding, 2.0 mi east of Burnsville, 0.1 mi north of railroad and 0.25 mi upstream of confluence of Tenn-Tom Waterway.

DRAINAGE AREA.--24.7 mi^2, Tennessee Valley Authority.

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

REVISED RECORDS.--WDR MS-78-1: 1973(M), 1976(M).

GAGE.--Water-stage recorder. Datum of gage is 429.51 ft above Mississippi Department of Transportation datum.

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

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 3,180 ft^3/s, gage height, 19.12 ft was measured Mar. 16, 1973.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 14	0300	1,880	16.10	Jan. 23	1515	*3,000	*17.89
Nov. 27	1045	979	13.99	Jan. 25	0245	2,020	16.36
Nov. 29	2300	2,750	17.54	Mar. 18	0730	864	13.63
Dec. 14	0115	1,230	14.68	Mar. 31	1445	2,270	16.79
Jan. 19	0915	1,020	14.12	Sep. 27	0215	1,780	15.92

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.6	14	139	26	40	30	196	32	12	7.1	9.0	4.4
2	4.5	14	72	26	34	31	111	32	9.2	7.7	6.1	4.5
3	4.5	14	43	26	34	29	64	225	7.4	16	5.3	4.4
4	4.7	14	32	23	36	26	50	311	6.7	12	5.0	4.4
5	5.0	14	28	24	31	26	44	96	5.6	11	4.8	4.2
6	9.8	14	27	50	53	26	40	46	6.7	7.7	4.8	4.5
7	6.3	14	98	39	98	26	38	34	7.4	6.5	6.0	5.5
8	5.7	14	205	30	47	26	53	26	6.8	6.8	4.8	4.4
9	5.7	15	109	28	40	34	96	26	7.6	21	4.6	4.4
10	5.9	15	55	27	40	30	45	78	5.6	15	4.6	4.3
11	22	15	43	28	35	28	39	48	6.7	11	5.8	4.0
12	139	15	62	25	32	314	54	28	6.7	9.1	5.1	3.9
13	583	15	370	24	29	105	50	65	7.5	11	4.7	3.8
14	703	15	543	23	28	58	39	35	19	25	5.9	4.0
15	65	16	120	22	28	48	36	23	13	33	9.5	4.1
16	29	16	93	21	28	62	33	19	8.9	16	6.4	6.5
17	21	16	273	22	26	173	31	36	8.9	11	5.6	23
18	18	16	132	39	25	427	28	55	7.4	7.9	6.5	11
19	16	16	71	475	25	141	26	24	6.7	11	5.4	17
20	16	16	47	140	267	136	25	19	6.4	17	25	19
21	15	16	40	69	78	128	25	17	5.9	15	48	33
22	15	16	37	49	55	63	30	15	5.7	7.8	11	16
23	15	16	141	1850	44	50	24	14	5.3	6.5	6.5	9.6
24	14	47	65	1290	40	45	22	14	5.7	10	6.5	6.6
25	21	30	46	617	38	41	21	14	6.6	8.5	6.5	7.6
26	16	20	40	141	52	102	20	14	6.2	9.0	6.3	605
27	14	413	37	84	35	54	22	15	8.2	6.7	5.4	803
28	14	188	35	61	31	43	22	14	9.3	5.8	5.0	56
29	14	1320	32	50	---	40	21	17	7.7	5.3	4.9	24
30	14	884	28	45	---	288	32	16	8.1	5.5	4.9	17
31	14	---	28	41	---	1350	---	14	---	7.5	4.6	---
TOTAL	1834.7	3248	3091	5415	1349	3980	1337	1422	234.9	350.4	244.5	1719.1
MEAN	59.18	108.3	99.71	174.7	48.18	128.4	44.57	45.87	7.830	11.30	7.887	57.30
MAX	703	1320	543	1850	267	1350	196	311	19	33	48	803
MIN	4.5	14	27	21	25	26	20	14	5.3	5.3	4.6	3.8
MED	14	16	55	39	36	48	34	26	7.1	9.1	5.6	6.0
CFSM	2.40	4.38	4.04	7.07	1.95	5.20	1.80	1.86	0.32	0.46	0.32	2.32
IN.	2.76	4.89	4.66	8.16	2.03	5.99	2.01	2.14	0.35	0.53	0.37	2.59

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1973 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	16.16	43.93	64.53	73.72	67.67	76.03	60.07	51.46	24.04	13.30	10.73	13.58
MAX	59.2	146	301	246	185	246	164	281	103	55.7	67.3	67.7
(WY)	2002	1978	1983	1974	1990	1980	1991	1991	1989	1994	1992	1979
MIN	3.13	10.9	14.8	13.3	24.6	28.8	11.3	6.90	3.88	4.14	2.76	3.03
(WY)	2001	1999	1981	1986	2000	1988	1986	1988	1988	2000	2000	1999

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1973 - 2002	
ANNUAL TOTAL	17018.1		24225.6			
ANNUAL MEAN	46.62		66.37		42.84	
HIGHEST ANNUAL MEAN					79.2	1991
LOWEST ANNUAL MEAN					18.7	1988
HIGHEST DAILY MEAN	1320	Nov 29	1850	Jan 23	4910	Dec 26 1982
LOWEST DAILY MEAN	3.8	Jul 23	3.8	Sep 13	1.5	Sep 9 1984
ANNUAL SEVEN-DAY MINIMUM	4.1	Aug 21	4.1	Sep 9	2.1	Aug 30 2000
MAXIMUM PEAK FLOW			3000	Jan 23	unknown	Dec 26 1982
MAXIMUM PEAK STAGE			17.89	Jan 23	21.74	Dec 26 1982
INSTANTANEOUS LOW FLOW			3.7	Sep 12,13	1.5	Sep 9 1984
ANNUAL RUNOFF (CFSM)	1.89		2.69		1.73	
ANNUAL RUNOFF (INCHES)	25.63		36.49		23.57	
10 PERCENT EXCEEDS	86		110		75	
50 PERCENT EXCEEDS	15		22		18	
90 PERCENT EXCEEDS	4.7		5.5		5.1	

YAZOO RIVER BASIN

07268000 LITTLE TALLAHATCHIE RIVER AT ETTA, MS

LOCATION.--Lat 34°28′58", long 89°13′18", in SW1/4 SW1/4 sec.8, T.7 S., R.1 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, on right bank at downstream side of bridge on State Highway 30, 0.8 mi northeast of Etta, 3.8 mi upstream from Puskus Creek, 5.0 mi downstream from Locks Creek, 12.3 mi west of New Albany, and 55.0 mi upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--526 mi^2.

PERIOD OF RECORD.--September 1938 to current year. November 1936 to May 1937 (gage heights and discharge measurements only) in reports of U. S. Army Corps of Engineers, Vicksburg district. Prior to October 1971 published as Tallahatchie River at Etta.

REVISED RECORDS.--WSP 897: Drainage area. WSP 1211: 1948, 1949(M).

GAGE.--Water-stage recorder. Datum of gage is 273.48 ft above NGVD of 1929 (levels by U. S. Army Corps of Engineers). Nov. 23, 1936 to May 31, 1937, nonrecording gage at same site at datum 5.33 ft higher. Sept. 24, 1938 to Mar. 16, 1939, nonrecording gage, Mar. 17, 1939 to Aug. 25, 1952, water-stage recorder, and Aug. 26, 1952 to June 22, 1953, nonrecording gage, all at same site. Sept. 24, 1938 to Sept. 30, 1952, at datum 5.00 ft higher.

REMARKS.--Estimated daily discharges: Dec. 13, Jan. 23, 24, 27, Feb. 1, 2, 7, 8, 20 ,26, 28, Aug. 7-12, and Sept. 10-14, 25, 26, 28. Records good except for estimated daily discharges, which are poor. U.S. Army Corp of Engineers satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 30	1015	*41,800	*29.37	Mar. 31	2115	23,900	26.44
Dec. 14	1800	28,000	27.00	May 4	1245	41,100	28.44
Jan. 19	2245	14,400	24.92	Sep. 27	1800	27,500	26.93
Jan. 25	0700	37,100	28.04				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	99	12500	414	e1170	429	14700	5080	355	82	84	39
2	40	97	3040	396	e880	415	3480	1270	274	105	74	37
3	40	100	1390	381	788	393	1420	12300	227	653	60	36
4	39	96	1010	337	819	325	984	35700	198	222	54	36
5	40	93	852	342	680	319	845	15400	162	181	51	35
6	81	87	749	1930	3080	307	759	3460	159	115	50	31
7	64	83	1360	1410	e3150	300	696	1510	150	86	e49	27
8	44	81	4520	686	e1170	299	959	1020	126	74	e48	26
9	41	79	2980	572	899	391	3350	833	117	81	e46	27
10	40	77	1020	511	779	488	1160	3500	160	123	e45	e29
11	255	79	700	498	667	315	839	3280	691	90	e43	e26
12	1010	77	796	421	597	4170	727	1180	325	422	e42	e25
13	3160	76	e7600	383	545	2550	669	823	234	793	41	e23
14	10400	75	23800	357	493	961	602	707	585	209	84	e25
15	3460	75	12900	307	475	697	547	603	450	191	86	25
16	909	76	3020	280	462	5110	485	532	238	112	206	30
17	439	80	5030	277	426	6330	443	559	210	90	549	34
18	322	75	3650	602	386	8970	408	829	178	78	108	44
19	263	75	1410	9180	378	5490	369	546	149	84	67	43
20	212	77	929	8960	e9700	3080	337	459	130	229	58	38
21	179	74	782	2650	6080	4950	312	421	117	251	50	58
22	156	74	696	1040	1670	1750	308	377	104	193	45	47
23	143	78	6010	e16000	886	989	284	347	95	202	42	34
24	134	360	3260	e32000	682	823	251	323	90	296	41	32
25	232	486	1180	31400	607	701	244	298	100	196	43	e30
26	167	173	832	9620	e700	1370	213	384	144	107	44	e4000
27	120	5240	690	e3100	598	1050	290	531	117	86	41	21700
28	108	7850	623	1430	e450	721	258	313	105	78	38	e7800
29	102	15300	557	1210	---	606	229	1360	93	68	37	2790
30	104	34900	484	1070	---	3910	1600	2290	119	63	38	791
31	102	---	448	964	---	16700	---	566	---	63	39	---
TOTAL	22447	66192	104818	128728	39217	74909	37768	96801	6202	5623	2303	37918
MEAN	724.1	2206	3381	4153	1401	2416	1259	3123	206.7	181.4	74.29	1264
MAX	10400	34900	23800	32000	9700	16700	14700	35700	691	793	549	21700
MIN	39	74	448	277	378	299	213	298	90	63	37	23
MED	134	80	1180	686	691	823	574	823	154	112	48	34
CFSM	1.38	4.19	6.43	7.89	2.66	4.59	2.39	5.94	0.39	0.34	0.14	2.40
IN.	1.59	4.68	7.41	9.10	2.77	5.30	2.67	6.85	0.44	0.40	0.16	2.68

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	138.3	700.3	1225	1527	1692	1809	1413	924.7	565.5	297.8	166.2	195.4
MAX	863	3877	6915	5745	5856	6449	4492	4399	3673	1974	1446	1930
(WY)	1983	1958	1983	1974	1948	1973	1991	1983	1997	1989	1967	1958
MIN	9.37	18.4	56.9	65.5	151	230	120	107	31.4	30.4	13.2	13.2
(WY)	1944	1957	1939	1963	2000	1954	1986	1943	1988	2000	1954	1954

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1939 - 2002	
ANNUAL TOTAL	437367		622926			
ANNUAL MEAN	1198		1707		883.6	
HIGHEST ANNUAL MEAN					1945	1983
LOWEST ANNUAL MEAN					214	2000
HIGHEST DAILY MEAN	34900	Nov 30	35700	May 4	53800	Mar 22 1955
LOWEST DAILY MEAN	32	Aug 5	23	Sep 13	4.1	Oct 3 1938
ANNUAL SEVEN-DAY MINIMUM	37	Aug 1	26	Sep 9	4.3	Oct 3 1938
MAXIMUM PEAK FLOW			41800	Nov 30	85200	May 19 1983
MAXIMUM PEAK STAGE			29.37	Nov 30	29.37	Nov 30 2001
INSTANTANEOUS LOW FLOW			23a	Sep 13	4.1	Oct 3 1938
ANNUAL RUNOFF (CFSM)	2.28		3.24		1.68	
ANNUAL RUNOFF (INCHES)	30.93		44.05		22.82	
10 PERCENT EXCEEDS	3030		3750		1850	
50 PERCENT EXCEEDS	244		347		191	
90 PERCENT EXCEEDS	50		42		26	

e Estimated
a May have been lower during periods of estimated record.

07274000 YOCONA RIVER NEAR OXFORD, MS

LOCATION.--Lat 34°16'24", long 89°31'07", in SE1/4 NW1/4 sec.28, T.9 S., R.3 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030203, near left bank on downstream end of pier cap of bridge on State Highway 7, 1.5 mi downstream from Burney Branch, 6 mi south of Oxford, and at mile 42.3.

DRAINAGE AREA.--262 mi^2.

PERIOD OF RECORD.--October 1951 to current year. May 1946 to September 1951 in reports of U. S. Army Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WDR MS-84-1:1978.

GAGE.--Water-stage recorder. Datum of gage is 267.20 ft above NGVD of 1929. Prior to Jan. 1, 1972, at datum 5.00 ft higher.

REMARKS.--Estimated daily discharges: Oct. 13-15, Nov, 29 - Dec. 1, Dec. 13-26, Jan. 6-10, 19-29, Mar. 16-19, May 16, 18-23, and Jun. 22-26 . Records fair except for estimated daily discharges, which are poor. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 29	----	*18,000	[a]*27.36	May 4	0345	12,300	26.62
Mar. 31	1145	9,240	24.80				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	41	e3090	169	999	201	4710	851	369	83	75	37
2	19	41	1960	157	673	189	2220	740	215	76	62	36
3	19	38	1370	144	489	171	1340	7600	167	994	54	37
4	18	36	1060	130	396	146	952	10100	146	340	47	37
5	20	33	865	121	345	137	706	4560	131	132	43	35
6	33	36	678	e1290	1340	132	464	2300	159	93	42	34
7	23	32	698	e806	1330	131	343	1390	130	75	39	35
8	22	31	1270	e411	1050	127	535	1020	114	66	36	34
9	21	30	778	e310	681	142	1040	787	126	126	36	32
10	19	31	530	e235	484	196	789	2580	148	85	36	33
11	145	29	374	204	374	173	552	1510	139	70	38	35
12	99	32	534	170	312	1150	361	1010	139	66	36	30
13	e530	28	e3890	149	288	869	331	612	116	76	40	30
14	e1560	29	e4850	132	247	657	311	404	128	92	89	33
15	e644	31	e1960	115	239	367	292	317	109	106	63	32
16	231	32	e1320	104	223	e4360	283	e270	98	71	422	32
17	120	29	e3010	99	206	e2480	295	330	94	64	269	32
18	90	29	e1510	147	192	e3220	265	e385	88	60	98	31
19	78	28	e898	e2960	281	e2360	251	e230	82	58	71	32
20	69	29	e636	e1320	4140	2420	230	e180	77	54	59	35
21	62	28	e517	e742	2470	2490	216	e175	71	53	53	47
22	55	28	e467	e970	1480	1650	194	e170	e67	112	49	41
23	53	29	e2800	e4030	861	1040	184	e163	e65	81	48	35
24	63	127	e953	e4750	541	650	169	159	e62	168	53	34
25	123	119	e598	e4310	380	422	178	157	e59	187	57	43
26	102	84	e520	e2680	359	684	175	171	e64	104	49	2770
27	81	2220	406	e1960	273	491	192	313	71	75	47	3300
28	60	2200	308	e1540	226	357	209	396	70	63	43	2040
29	55	e9160	251	e1310	---	285	194	333	73	55	40	1080
30	50	e7230	207	1090	---	2620	531	550	123	72	39	633
31	48	---	186	994	---	7940	---	641	---	150	38	---
TOTAL	4531	21870	38494	33549	20879	38257	18512	40404	3500	3907	2171	10695
MEAN	146.2	729.0	1242	1082	745.7	1234	617.1	1303	116.7	126.0	70.03	356.5
MAX	1560	9160	4850	4750	4140	7940	4710	10100	369	994	422	3300
MIN	18	28	186	99	192	127	169	157	59	53	36	30
CFSM	0.56	2.78	4.74	4.13	2.85	4.71	2.36	4.97	0.45	0.48	0.27	1.36
IN.	0.64	3.11	5.47	4.76	2.96	5.43	2.63	5.74	0.50	0.55	0.31	1.52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	75.17	282.3	590.7	610.3	694.7	793.2	714.5	453.8	261.0	126.0	84.66	108.2
MAX	424	2145	3396	2086	2204	2558	2545	2055	1632	752	487	1239
(WY)	1983	1958	1983	1974	1991	1973	1991	1983	1997	1994	1982	1958
MIN	11.9	12.8	37.7	44.2	112	95.5	84.0	52.7	19.1	16.6	8.20	7.15
(WY)	2001	1957	1956	1956	1972	1954	1986	1965	1988	1960	1954	1956

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1952 - 2002	
ANNUAL TOTAL	173771		236769			
ANNUAL MEAN	476.1		648.7		398.0	
HIGHEST ANNUAL MEAN					877	1983
LOWEST ANNUAL MEAN					123	1981
HIGHEST DAILY MEAN	9160	Nov 29	10100	May 4	25600	Dec 26 1982
LOWEST DAILY MEAN	15	Jul 26	18	Oct 4	5.1	Aug 26 1987
ANNUAL SEVEN-DAY MINIMUM	18	Jul 31	22	Oct 1	5.7	Aug 12 1954
MAXIMUM PEAK FLOW			18000	Nov 29	44100	Mar 21 1955
MAXIMUM PEAK STAGE			27.36	Nov 29	28.72	Mar 21 1955
INSTANTANEOUS LOW FLOW			17b	Oct 2	4.4	Sep 14 1954
ANNUAL RUNOFF (CFSM)	1.82		2.48		1.52	
ANNUAL RUNOFF (INCHES)	24.67		33.62		20.64	
10 PERCENT EXCEEDS	1330		1960		995	
50 PERCENT EXCEEDS	107		169		100	
90 PERCENT EXCEEDS	25		33		18	

e Estimated
a From flood mark.
b Also occurred on Oct. 3, 4, 5, 10, 11.

07275900 COLDWATER RIVER NEAR OLIVE BRANCH, MS

LOCATION.--Lat 34°54'28", long 89°45'02", in SE1/4 SW1/4 sec.17, T.2 S., R.5 W., Chickasaw Meridian, Desoto County, Hydrologic Unit 08030204 at State Highway 178, about 7 miles east of Olive Branch, Mississippi.

DRAINAGE AREA.--191 mi^2.

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

GAGE.--Water-stage recorder. Datum of gage is 280.0 ft above NGVD of 1929 (Mississippi Department of Transportation datum).

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 2,900 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 13	1515	2,990	8.96	Jan. 25	1215	3,410	9.23
Nov. 30	1130	*14,900	*13.60	Mar. 13	0830	3,140	9.03
Dec. 14	0115	3,240	9.14	Sep. 27	2330	4,350	9.84

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	59	5720	93	420	118	2330	266	95	56	62	69
2	41	60	1990	85	464	111	1900	426	78	56	65	68
3	41	60	1040	81	460	107	958	662	71	56	63	68
4	41	60	446	78	223	99	316	873	67	112	61	68
5	42	59	181	73	165	89	191	1350	65	93	59	67
6	44	57	134	220	168	88	158	1590	66	67	57	66
7	50	57	124	285	304	88	144	965	69	62	57	67
8	50	56	315	261	388	89	144	219	69	57	57	68
9	45	56	388	148	314	120	189	130	63	55	56	68
10	44	56	527	114	202	169	204	123	61	57	57	68
11	556	57	482	103	170	203	155	153	63	60	65	68
12	983	58	688	96	143	1810	132	159	65	105	66	66
13	2610	57	1950	87	122	2820	124	142	75	89	70	65
14	2280	57	2830	81	112	2030	118	274	82	84	158	65
15	1510	57	2270	77	104	934	112	394	112	72	248	67
16	1060	57	1720	70	106	431	106	181	119	85	364	72
17	457	57	1420	67	108	660	101	165	77	68	292	107
18	113	57	1320	83	99	1690	98	312	70	64	226	115
19	79	58	1380	488	109	2030	93	458	65	75	107	108
20	67	60	853	680	520	2050	89	411	61	85	88	527
21	60	64	323	986	631	1950	86	139	58	76	124	661
22	57	62	295	674	842	1530	86	98	57	68	218	874
23	56	60	1340	279	416	853	89	86	56	65	104	410
24	62	80	2040	961	165	302	83	80	56	68	88	110
25	105	125	1630	2880	133	201	81	75	56	88	115	84
26	125	143	856	2290	165	268	74	74	56	81	131	639
27	89	393	280	1270	209	302	71	91	56	71	98	2750
28	68	758	172	555	148	260	77	100	56	66	81	3380
29	62	6160	139	244	---	177	78	100	58	63	75	2080
30	58	13400	116	194	---	255	132	111	57	60	72	1160
31	58	---	99	209	---	1200	---	144	---	67	70	---
TOTAL	10955	22400	33068	13812	7410	23034	8519	10351	2059	2231	3454	14085
MEAN	353.4	746.7	1067	445.5	264.6	743.0	284.0	333.9	68.63	71.97	111.4	469.5
MAX	2610	13400	5720	2880	842	2820	2330	1590	119	112	364	3380
MIN	41	56	99	67	99	88	71	74	56	55	56	65
MED	62	59	688	194	169	268	115	159	65	68	75	71
CFSM	1.85	3.91	5.58	2.33	1.39	3.89	1.49	1.75	0.36	0.38	0.58	2.46
IN.	2.13	4.36	6.44	2.69	1.44	4.49	1.66	2.02	0.40	0.43	0.67	2.74

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	132.2	215.0	308.3	341.5	413.5	522.3	265.5	206.6	131.6	80.72	76.97	169.1
MAX	353	747	1067	611	721	1082	379	334	396	123	111	470
(WY)	2002	2002	2002	1999	2001	1997	1999	2002	1997	1998	2002	2002
MIN	40.5	78.9	100	90.4	175	126	190	58.2	68.6	43.6	40.6	44.8
(WY)	2001	2000	2001	2000	2000	2001	2000	2001	2002	2001	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1997 - 2002	
ANNUAL TOTAL	111247		151378			
ANNUAL MEAN	304.8		414.7		237.7	
HIGHEST ANNUAL MEAN					415	2002
LOWEST ANNUAL MEAN					103	2000
HIGHEST DAILY MEAN	13400	Nov 30	13400	Nov 30	13400	Nov 30 2001
LOWEST DAILY MEAN	36	Jun 28	41	Oct 2	34	Sep 6 2000
ANNUAL SEVEN-DAY MINIMUM	38	Jun 22	43	Oct 1	35	Aug 31 2000
MAXIMUM PEAK FLOW			14900	Nov 30	14900	Nov 30 2001
MAXIMUM PEAK STAGE			13.60	Nov 30	13.60	Nov 30 2001
INSTANTANEOUS LOW FLOW			41	Oct 1,2,3,4,5	34	Sep 5 2000
ANNUAL RUNOFF (CFSM)	1.60		2.17		1.24	
ANNUAL RUNOFF (INCHES)	21.67		29.48		16.91	
10 PERCENT EXCEEDS	555		1180		446	
50 PERCENT EXCEEDS	65		105		94	
90 PERCENT EXCEEDS	41		57		47	

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS

LOCATION.--Lat 34°37'54", long 89°55'30", in SE¼ NW¼ sec.22, T.5 S., R.7 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, on left bank at downstream side of bridge on county road, 1.7 mi east of Senatobia, 1.5 mi upstream from mouth, and 0.9 mi downstream from Basket Creek.

DRAINAGE AREA.--121 mi^2.

PERIOD OF RECORD.--Water years 1975, 1987-97, 1999.

PERIOD OF DAILY RECORD.--
DISCHARGE: February 1986 to current year.
SPECIFIC CONDUCTANCE: February 1986 to September 1989.
pH: February 1986 to September 1989.
WATER TEMPERATURE: February 1986 to September 1989.
DISSOLVED OXYGEN: February 1986 to September 1989.
SUSPENDED SEDIMENT CONCENTRATION: February 1986 to current year.
SUSPENDED SEDIMENT DISCHARGE: February 1986 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 233.02 ft above NGVD of 1929. September 4, 1942 to February 6, 1986, discharge measurements and gage height record at same site and datum in files of U.S. Army Corps of Engineers, Vicksburg District. Automatic pumping sediment sampler since February 1986.

REMARKS.--Estimated daily discharges: Dec. 15, 16, 18-22, 24-31, Jan. 1-5, 7-16, May 21-29. 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.--16 years, 186 ft^3/s, 20.88 in/yr.

EXTREMES FOR PERIOD OF DAILY RECORD.--
DISCHARGE: Maximum, 19,100 ft^3/s, Feb. 3, 1990, maximum gage height, 19.91 ft, Feb. 3, 1990; minimum daily mean, 22 ft^3/s, July 6-11, 1988.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 5,110 mg/L, Feb. 21, 1989; minimum daily mean, 2 mg/L, Oct. 16, 1987.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 118,000 tons, Feb. 3, 1990; minimum daily, 0.15 ton, Oct. 16, 1987.

EXTREMES OUTSIDE PERIOD OF RECORD.--
DISCHARGE: Flood of June 22, 1947, reached a stage of 20.6 ft, from flood mark (from information by U.S. Army Corps of Engineers).

EXTREMES FOR CURRENT YEAR.--
DISCHARGE: Maximum, 13,700 ft^3/s, Nov. 29, maximum gage height, 18.13 ft, Nov. 29; minimum daily mean, 27 ft^3/s, Nov. 15, 16, Feb. 18.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,820 mg/L, Jan. 24; minimum daily mean, 14 mg/L, Oct. 1-10.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 25,900 tons, Dec. 23; minimum daily, 1.2 tons, Oct. 1-4, 7-10, Nov. 13-16.

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

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	31	14	1.2	36	21	2.0	391	164	181
2	31	14	1.2	35	20	1.9	248	104	70.3
3	32	14	1.2	33	20	1.7	196	86	45.5
4	31	14	1.2	32	19	1.6	166	67	30.0
5	33	14	1.3	32	18	1.6	149	51	20.4
6	35	14	1.3	32	18	1.5	139	49	18.3
7	33	14	1.2	32	17	1.5	217	198	191
8	32	14	1.2	32	17	1.5	1340	961	4800
9	31	14	1.2	31	17	1.4	311	179	167
10	31	14	1.2	31	16	1.4	176	54	26.5
11	4580	823	17200	30	16	1.3	139	41	15.2
12	1020	265	1170	29	16	1.3	2150	892	10700
13	2950	919	11000	28	16	1.2	3470	1210	17000
14	503	215	373	28	16	1.2	2840	723	13200
15	124	48	16.8	27	16	1.2	430	72	84.0
16	78	36	7.7	27	16	1.2	320	47	41.0
17	65	33	5.8	28	17	1.3	2280	842	8340
18	61	30	5.0	29	17	1.3	530	94	134
19	55	29	4.3	33	17	1.5	320	48	42.0
20	51	28	3.9	31	18	1.5	215	46	27.0
21	48	27	3.5	30	24	1.9	175	43	26.0
22	45	26	3.2	30	30	2.5	140	422	160
23	43	26	3.0	29	37	2.9	4650	1250	25900
24	43	25	2.9	48	44	5.8	500	59	80.0
25	49	24	3.2	39	51	5.2	230	42	26.0
26	40	24	2.6	60	65	19.1	150	35	14.0
27	39	23	2.5	3310	726	10400	110	29	8.6
28	39	23	2.4	551	202	1130	90	28	6.8
29	38	22	2.3	12100	633	20800	79	27	5.8
30	37	22	2.2	2100	382	2710	68	27	5.0
31	37	21	2.1	---	---	---	60	27	4.4

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)
		JANUARY			FEBRUARY			MARCH	
1	55	27	4.0	573	224	492	61	64	10.6
2	52	26	3.7	130	73	26.2	58	50	7.7
3	52	26	3.7	101	46	12.6	61	35	5.8
4	51	26	3.6	89	37	8.9	47	24	3.0
5	50	25	3.4	70	33	6.3	44	26	3.1
6	718	409	1060	399	360	570	42	29	3.2
7	225	86	52.0	292	149	133	52	32	4.5
8	140	38	14.0	122	60	20.6	56	35	5.2
9	100	34	9.2	85	35	7.9	57	38	5.9
10	80	32	6.9	78	33	6.8	47	41	5.3
11	64	31	5.4	59	31	4.9	470	458	3110
12	55	29	4.3	49	28	3.8	4490	1420	25600
13	50	27	3.6	49	26	3.5	468	161	221
14	46	26	3.2	45	26	3.1	301	91	74.3
15	44	24	2.9	37	25	2.5	246	75	50.0
16	42	24	2.7	34	25	2.3	720	322	722
17	44	24	2.9	29	25	2.0	410	162	185
18	218	98	70.4	27	24	1.8	2360	992	9510
19	2620	1110	12300	126	170	626	424	142	172
20	336	149	145	1770	866	7910	1910	775	5410
21	152	124	50.8	201	57	34.3	466	251	340
22	101	132	35.8	112	35	10.7	202	141	78.5
23	2250	1690	19400	88	35	8.2	148	100	40.3
24	4290	1820	25100	75	34	6.9	134	72	26.1
25	786	310	932	80	61	18.5	114	57	17.7
26	243	71	46.5	176	175	94.7	329	247	264
27	162	69	30.2	82	94	20.8	157	144	63.3
28	131	68	24.2	67	79	14.4	108	94	27.7
29	112	68	20.4	---	---	---	96	69	17.7
30	103	65	18.1	---	---	---	912	375	1570
31	194	224	397	---	---	---	3340	968	12800

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DAY	APRIL MEAN DISCHARGE (CFS)	APRIL MEAN CONCENTRATION (MG/L)	APRIL SEDIMENT DISCHARGE (TONS/DAY)	MAY MEAN DISCHARGE (CFS)	MAY MEAN CONCENTRATION (MG/L)	MAY SEDIMENT DISCHARGE (TONS/DAY)	JUNE MEAN DISCHARGE (CFS)	JUNE MEAN CONCENTRATION (MG/L)	JUNE SEDIMENT DISCHARGE (TONS/DAY)
1	383	113	133	322	227	258	45	53	6.4
2	211	55	31.7	333	321	1030	41	49	5.5
3	149	52	20.8	4060	1560	24200	39	46	4.9
4	118	49	15.5	2680	543	8410	37	43	4.4
5	103	46	12.8	312	63	55.1	53	42	5.9
6	96	44	11.2	192	47	24.1	47	41	5.2
7	86	41	9.5	144	42	16.3	39	40	4.2
8	106	38	10.9	122	38	12.4	36	38	3.8
9	142	37	14.1	160	33	14.2	36	37	3.6
10	87	35	8.2	891	612	1980	39	36	3.7
11	76	33	6.8	317	98	97.4	39	35	3.7
12	72	32	6.2	148	57	22.9	44	36	4.3
13	68	30	5.5	450	213	424	38	37	3.9
14	66	28	5.1	158	55	23.3	59	39	6.1
15	64	27	4.6	102	54	14.9	40	40	4.3
16	63	25	4.3	87	55	12.8	38	41	4.2
17	60	23	3.8	373	200	369	39	42	4.5
18	57	23	3.5	231	105	74.5	39	44	4.6
19	57	25	3.9	100	64	17.5	39	45	4.7
20	60	28	4.6	78	51	10.8	38	44	4.5
21	51	31	4.4	69	42	7.8	35	43	4.1
22	60	34	5.6	61	43	7.1	34	42	3.8
23	50	37	5.1	56	46	7.0	36	41	4.0
24	51	40	5.6	52	49	6.9	37	40	4.1
25	68	40	7.3	50	52	7.0	43	39	4.5
26	54	38	5.5	48	55	7.1	41	38	4.2
27	54	36	5.3	51	57	7.8	36	37	3.6
28	49	34	4.6	59	60	9.6	46	36	4.5
29	47	32	4.1	51	62	8.5	37	35	3.5
30	876	1300	5340	50	59	8.0	45	34	4.1
31	---	---	---	51	56	7.7	---	---	---

DAY	JULY MEAN DISCHARGE (CFS)	JULY MEAN CONCENTRATION (MG/L)	JULY SEDIMENT DISCHARGE (TONS/DAY)	AUGUST MEAN DISCHARGE (CFS)	AUGUST MEAN CONCENTRATION (MG/L)	AUGUST SEDIMENT DISCHARGE (TONS/DAY)	SEPTEMBER MEAN DISCHARGE (CFS)	SEPTEMBER MEAN CONCENTRATION (MG/L)	SEPTEMBER SEDIMENT DISCHARGE (TONS/DAY)
1	35	33	3.2	63	85	14.7	42	28	3.1
2	35	32	3.0	59	72	12.0	42	27	3.1
3	36	32	3.1	38	54	5.6	41	27	3.0
4	38	32	3.3	35	46	4.4	42	26	3.0
5	37	32	3.2	35	40	3.7	42	26	3.0
6	36	31	3.1	37	33	3.3	41	25	2.8
7	35	31	2.9	36	30	2.9	40	24	2.6
8	36	31	3.0	35	28	2.6	39	23	2.5
9	37	31	3.1	35	26	2.5	39	22	2.3
10	38	31	3.2	36	26	2.5	38	21	2.2
11	37	31	3.1	37	26	2.6	38	22	2.2
12	70	45	8.8	37	27	2.7	38	22	2.3
13	51	36	5.1	38	27	2.8	40	23	2.5
14	59	43	7.3	57	28	4.3	40	23	2.6
15	52	39	5.8	55	29	4.3	43	24	2.8
16	39	33	3.5	163	71	40.8	44	24	2.9
17	40	32	3.5	91	66	17.4	45	25	3.0
18	41	30	3.4	59	50	7.9	44	25	3.0
19	42	30	3.4	43	45	5.2	48	31	4.1
20	42	30	3.4	40	42	4.5	921	932	3590
21	40	30	3.2	39	41	4.4	255	208	207
22	38	30	3.1	37	40	4.0	74	53	11.0
23	59	66	10.7	35	39	3.7	56	28	4.2
24	47	52	6.7	35	37	3.5	50	25	3.3
25	40	41	4.4	48	35	4.6	50	24	3.3
26	40	34	3.6	47	34	4.3	3640	723	15300
27	40	33	3.6	38	32	3.3	2630	306	3710
28	40	32	3.5	37	31	3.1	164	57	27.4
29	39	31	3.3	38	29	3.0	82	40	8.8
30	38	31	3.2	39	29	3.0	58	40	6.2
31	105	69	26.0	40	28	3.1	---	---	---

07280400 TILLATOBA CREEK AT CHARLESTON, MS

LOCATION.--Lat 34°00'02", long 90°03'46", in SW1/4 SW1/4 sec.26, T.25 N., R.2 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, County code 135, at State Highway 35 at Charleston, MS.

DRAINAGE AREA.--118 mi^2.

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

REVISIONS.--WDR MS-01-1.

GAGE.--Water-stage recorder. Datum of gage is 151.02 ft above NGVD of 1929 (Mississippi Department of Transportation datum).

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,800 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 29	1630	*14,000	*28.01	Feb. 20	0500	7,320	20.63
Dec. 14	0015	11,000	24.25	Mar. 31	0745	8,950	22.13
Jan. 23	1215	11,200	24.47	Sep. 26	2245	13,100	26.82
Jan. 24	1730	11,700	25.00				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	15	1100	34	224	92	905	71	67	20	39	18
2	12	15	615	32	120	88	542	66	57	19	36	18
3	12	14	437	29	92	82	403	3680	52	19	28	17
4	11	14	341	26	74	75	322	1730	47	18	24	17
5	17	13	273	26	56	72	250	562	45	18	22	17
6	32	13	199	299	724	70	205	372	45	18	20	18
7	16	14	236	159	287	109	178	247	42	17	25	17
8	13	14	241	84	121	128	533	183	40	17	20	16
9	12	14	192	60	82	110	698	148	38	17	19	17
10	12	14	126	48	65	108	252	789	38	17	19	16
11	62	14	100	42	48	86	179	389	37	16	18	16
12	73	14	584	33	40	940	149	180	34	19	18	16
13	357	14	4020	27	33	287	133	171	34	42	20	15
14	167	14	4640	24	28	161	122	126	33	29	20	15
15	62	14	827	19	26	123	114	95	30	40	26	17
16	35	14	522	17	24	1470	106	83	29	24	229	16
17	27	14	1290	17	21	399	101	111	29	26	123	16
18	22	14	509	29	19	1460	95	113	26	21	41	16
19	20	14	283	2370	138	434	90	78	24	18	31	17
20	18	15	182	496	3160	1350	87	69	23	18	28	34
21	18	14	130	195	460	1060	84	63	22	17	24	23
22	17	15	106	112	273	321	88	59	21	17	22	19
23	17	15	585	6150	194	199	83	56	20	24	26	18
24	18	83	200	7460	157	155	78	53	22	107	22	15
25	32	60	117	3020	131	131	80	51	26	38	29	19
26	19	28	87	827	131	139	89	49	34	24	36	4890
27	16	3360	72	532	110	117	101	48	31	20	25	4850
28	14	1050	63	415	98	105	86	316	25	18	23	711
29	14	11500	52	302	---	96	79	489	27	17	22	386
30	14	3120	42	232	---	2940	74	106	22	65	21	294
31	15	---	38	191	---	4840	---	91	---	149	19	---
TOTAL	1186	19526	18209	23307	6936	17747	6306	10644	1020	929	1075	11574
MEAN	38.26	650.9	587.4	751.8	247.7	572.5	210.2	343.4	34.00	29.97	34.68	385.8
MAX	357	11500	4640	7460	3160	4840	905	3680	67	149	229	4890
MIN	11	13	38	17	19	70	74	48	20	16	18	15
MED	17	14	236	84	104	131	110	111	32	19	24	17
CFSM	0.32	5.52	4.98	6.37	2.10	4.85	1.78	2.91	0.29	0.25	0.29	3.27
IN.	0.37	6.16	5.74	7.35	2.19	5.59	1.99	3.36	0.32	0.29	0.34	3.65

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	32.55	161.4	203.9	374.5	322.3	370.8	281.7	171.7	133.3	39.71	27.33	92.52
MAX	97.5	651	587	752	628	584	470	376	548	91.2	49.4	386
(WY)	1998	2002	2002	2002	2001	1997	2000	1997	1997	1997	2001	2002
MIN	6.75	16.1	28.5	49.5	113	160	149	26.9	29.7	12.1	9.27	8.27
(WY)	2001	2000	2000	2000	1999	2000	1997	2001	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1997 - 2002	
ANNUAL TOTAL	78369		118459			
ANNUAL MEAN	214.7		324.5		183.4	
HIGHEST ANNUAL MEAN					325	2002
LOWEST ANNUAL MEAN					78.9	2000
HIGHEST DAILY MEAN	11500	Nov 29	11500	Nov 29	11500	Nov 29 2001
LOWEST DAILY MEAN	11	Sep 26	11	Oct 4	5.4	Oct 31 2000
ANNUAL SEVEN-DAY MINIMUM	12	Sep 26	14	Nov 3	6.2	Oct 25 2000
MAXIMUM PEAK FLOW			14000	Nov 29	14000	Nov 29 2001
MAXIMUM PEAK STAGE			28.01	Nov 29	28.01	Nov 29 2001
INSTANTANEOUS LOW FLOW			11	Oct 1a	5.2	Oct 31 2000
ANNUAL RUNOFF (CFSM)	1.82		2.75		1.55	
ANNUAL RUNOFF (INCHES)	24.71		37.34		21.12	
10 PERCENT EXCEEDS	406		537		389	
50 PERCENT EXCEEDS	33		48		38	
90 PERCENT EXCEEDS	14		15		12	

a Also occurred on Oct. 2, 3, 4, 5.

07281600 TALLAHATCHIE RIVER AT MONEY, MS

LOCATION.--Lat 33°39'05", long 90°12'39", in NW1/4 SE1/4 SE1/4 sec.29, T.21 N., R.1 E., Choctaw Meridian, Leflore County, Hydrologic Unit 08030202, County code 83, at county road bridge at Money, Ms, about 9 mi north of Greenwood, MS, 193 mi above confluence at Vicksburg.

DRAINAGE AREA.--5,221 mi^2, U.S. Army Corps of Engineers

PERIOD OF RECORD.--October 1995 to current year. Jan. 22, 1948 to date, stage data available; March 1934 to date; measured discharge available in U.S. Army Corps of Engineers records.

GAGE.--Water-stage recorder. Datum of gage is 98.98 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Estimated daily discharges: Jun. 5 and 6. Records good except for estimated daily discharges, which are poor. U.S. Army Corps of Engineers satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5880	7140	15800	17000	18700	16500	17900	12000	11300	8070	8880	8690
2	5840	6990	16300	16800	18600	16400	18200	11800	11000	8060	8470	8630
3	5810	6860	16400	16600	18400	16200	18100	11700	10700	8040	8190	8570
4	5770	6630	16500	16500	18300	16000	18000	12400	10400	8000	8230	8500
5	5750	6570	16500	16400	18100	15900	17900	12900	e9680	7950	8240	8410
6	5810	6540	16400	16400	18100	15700	17900	13200	e9320	7900	8200	8330
7	5800	6500	16400	16400	18100	15400	17700	13500	9190	7850	8120	8240
8	5750	6420	16500	16300	18100	15200	17700	13700	8760	7810	8060	8140
9	5700	6240	16500	16100	18000	15000	17900	13800	8380	7810	8050	8030
10	5650	6210	16500	15900	17900	14800	17900	14100	8040	7870	8050	7960
11	5720	6390	16500	15900	17800	14600	17800	14300	7820	7880	8050	7900
12	7380	6510	16600	15800	17600	14600	17600	14500	7750	7920	8030	7840
13	9200	6570	17200	15700	17500	14700	17400	14400	7830	8110	8030	7790
14	10200	6640	18200	15600	17400	14700	17200	14300	8030	8210	8030	7740
15	10500	6850	18800	15500	17300	14600	16900	14200	8180	8370	8090	7720
16	10600	7150	19300	15300	17100	14900	16600	14000	8150	8790	8210	7690
17	10600	7460	19400	15100	17000	15200	16300	13900	8060	8980	8430	7630
18	10500	7760	19300	15000	16900	15200	16000	13800	7960	8920	8780	7570
19	10400	7990	19100	15100	16800	15200	15700	13600	7920	8700	8960	7640
20	10300	8130	18800	15300	17100	15400	15400	13300	7920	8530	9010	7840
21	9940	8220	18600	15500	17300	16000	15100	13100	7830	8450	8960	8330
22	9410	8310	18500	15600	17300	16400	14700	12800	7740	8440	8850	8810
23	8740	8390	18500	16000	17300	16500	14400	12500	7700	8530	8670	8900
24	8300	8530	18600	17100	17200	16500	14100	12200	7730	8980	8460	8870
25	8320	8640	18400	18400	17100	16500	13700	11900	7770	9330	8420	8970
26	8270	8710	18200	19100	16900	16500	13400	11600	7810	9480	8590	9900
27	8100	9680	17900	19500	16800	16500	13200	11400	7840	9390	8720	12200
28	7890	10900	17800	19500	16700	16500	12900	11200	7890	9230	8780	13100
29	7710	13300	17600	19300	---	16400	12600	11400	7980	9090	8800	13900
30	7520	15100	17400	19000	---	16500	12300	11400	8040	8950	8800	14000
31	7320	---	17200	18800	---	17300	---	11400	---	8860	8750	---
TOTAL	244680	237330	545700	516500	491400	487800	482500	400300	254720	262500	261910	267840
MEAN	7893	7911	17600	16660	17550	15740	16080	12910	8491	8468	8449	8928
MAX	10600	15100	19400	19500	18700	17300	18200	14500	11300	9480	9010	14000
MIN	5650	6210	15800	15000	16700	14600	12300	11200	7700	7810	8030	7570
CFSM	1.51	1.52	3.37	3.19	3.36	3.01	3.08	2.47	1.63	1.62	1.62	1.71
IN.	1.74	1.69	3.89	3.68	3.50	3.48	3.44	2.85	1.81	1.87	1.87	1.91

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1995 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	5801	6805	8897	10690	11960	11860	9206	6452	5882	4710	5532	6281
MAX	9356	9093	17600	16660	17550	15740	16080	12910	11980	9228	8869	8928
(WY)	1998	1997	2002	2002	2002	2002	2002	2002	1997	1997	1997	2002
MIN	3286	4305	3461	1552	1947	5353	6184	2147	1996	1526	2223	3503
(WY)	2001	2000	2000	2000	2000	2000	1998	2001	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1995 - 2002	
ANNUAL TOTAL	2859160		4453180			
ANNUAL MEAN	7833		12200		7818	
HIGHEST ANNUAL MEAN					12200	2002
LOWEST ANNUAL MEAN					3490	2000
HIGHEST DAILY MEAN	19400	Dec 17	19500	Jan 27	19500	Jan 27 2002
LOWEST DAILY MEAN	1210	May 27	5650	Oct 10	696	May 27 1996
ANNUAL SEVEN-DAY MINIMUM	1330	Jan 11	5740	Oct 5	829	Jan 22 2000
MAXIMUM PEAK FLOW			19600	Jan 27	19600	Jan 27 2002
MAXIMUM PEAK STAGE			34.19	Jan 27	34.19	Jan 27 2002
INSTANTANEOUS LOW FLOW			5630	Oct 10,11	576	Oct 3 2000
ANNUAL RUNOFF (CFSM)	1.50		2.34		1.50	
ANNUAL RUNOFF (INCHES)	20.37		31.73		20.34	
10 PERCENT EXCEEDS	16300		17900		15100	
50 PERCENT EXCEEDS	6630		11600		7190	
90 PERCENT EXCEEDS	2180		7710		2330	

e Estimated

07281960 YALOBUSHA RIVER AT VARDAMAN, MS

LOCATION.--Lat 33°51'58", long 89°10'23", in NE¼ NE¼ sec.15, T.14 S., R.1 E., Chickasaw Meridian, Calhoun County, Hydrologic Unit 08030205, at downstream side of bridge on State Highway 341, 0.8 mi south of Vardaman, 1.1 mi upstream of Cane Creek, and 6.0 mi north of Atlanta.

DRAINAGE AREA.--86.3 mi^2.

PERIOD OF DAILY RECORD.--
DISCHARGE: May 1998 to current year.
SUSPENDED SEDIMENT CONCENTRATION: October 1999 to current year.
SUSPENDED SEDIMENT DISCHARGE: October 1999 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 267.42 ft above NGVD of 1929 (levels by Mississippi Department of Transportation). Automatic pumping sediment sampler since December 2001.

REMARKS.--Estimated daily discharge: Dec. 29-Jan. 3. Discharge records good except for estimated daily discharges, which are poor. Satellite telemeter at station. Channel rectification was completed in 1967.

EXTREMES FOR WATER YEAR 2000.--
DISCHARGE: Maximum, 6,710 ft^3/s, Apr. 3, maximum gage height, 29.69 ft, Apr. 3; no flow for many days during July to Sept.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 775 mg/L, Mar. 19; minimum daily mean, 0 mg/L, for many days during Aug. to Sept.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 5,660 tons, Apr. 2; minimum daily, 0 ton, for many days during July to Sept.

EXTREMES FOR WATER YEAR 2001.--
DISCHARGE: Maximum, 6,930 ft^3/s, Jan. 19, maximum gage height, 29.26 ft, Jan. 19; no flow for many days during Oct.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,380 mg/L, Jan. 18; minimum daily mean, 32 mg/L, Mar. 11.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 9,260 tons, Jan. 19; minimum daily, 0 ton, Oct. 1-Nov. 3, July 15-Aug. 1.

EXTREMES FOR WATER YEAR 2002.--
DISCHARGE: Maximum, 8,100 ft^3/s, Sept. 27, maximum gage height, 30.62 ft, Sept. 27; minimum daily mean, 0.01 ft^3/s, Sept. 11.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,170 mg/L, Dec. 13; minimum daily mean, 27 mg/L, Apr. 7.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 12,600 tons, Dec. 14; minimum daily, 0 ton, Sept. 8-15.

07281960 YALOBUSHA RIVER AT VARDAMAN, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		OCTOBER			NOVEMBER			DECEMBER	
1	0.22	50	0.03	0.072	51	0.01	0.40	53	0.06
2	0.12	50	0.02	0.025	51	0.00	0.25	52	0.04
3	0.095	50	0.01	0.040	51	0.01	0.22	52	0.03
4	0.073	50	0.01	0.040	51	0.01	0.22	51	0.03
5	0.046	50	0.01	0.046	51	0.01	0.92	51	0.13
6	0.025	50	0.00	0.053	51	0.01	0.95	51	0.13
7	0.017	50	0.00	0.026	51	0.00	0.66	51	0.09
8	0.019	51	0.00	0.019	50	0.00	0.51	51	0.07
9	0.62	55	0.09	0.061	50	0.01	0.60	51	0.08
10	0.83	57	0.13	0.090	50	0.01	4.0	51	0.55
11	0.45	56	0.07	0.097	50	0.01	0.66	51	0.09
12	0.28	55	0.04	0.075	50	0.01	28	65	8.0
13	0.46	54	0.07	0.11	50	0.01	116	87	32.6
14	0.45	54	0.07	0.093	50	0.01	20	59	3.3
15	0.29	53	0.04	0.063	50	0.01	4.0	50	0.55
16	0.32	53	0.05	0.089	51	0.01	1.2	47	0.15
17	0.17	53	0.02	0.16	53	0.02	0.42	47	0.05
18	0.12	53	0.02	0.17	55	0.03	0.30	46	0.04
19	0.099	52	0.01	0.20	56	0.03	0.22	45	0.03
20	0.082	52	0.01	0.54	55	0.08	0.20	44	0.02
21	0.059	52	0.01	0.13	52	0.02	0.77	43	0.09
22	0.047	51	0.01	0.10	51	0.01	0.45	42	0.05
23	0.037	51	0.01	0.11	51	0.02	0.36	42	0.04
24	0.031	51	0.00	0.22	53	0.03	0.13	41	0.01
25	0.028	51	0.00	0.32	53	0.05	0.10	40	0.01
26	0.022	51	0.00	0.39	53	0.06	0.061	39	0.01
27	0.017	51	0.00	0.23	52	0.03	0.18	39	0.02
28	0.018	51	0.00	0.18	51	0.02	0.26	40	0.03
29	0.029	51	0.00	0.13	51	0.02	0.091	41	0.01
30	0.032	51	0.00	0.43	53	0.06	0.20	41	0.02
31	0.015	51	0.00	---	---	---	0.16	42	0.02

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)
		JANUARY			FEBRUARY			MARCH	
1	0.082	42	0.01	21	77	4.4	12	74	2.3
2	0.061	42	0.01	12	76	2.4	7.9	71	1.5
3	0.44	50	0.09	7.9	77	1.6	6.1	69	1.1
4	3.1	148	1.1	5.5	77	1.1	5.1	67	0.93
5	0.72	82	0.16	4.0	77	0.82	3.8	66	0.67
6	0.29	63	0.05	2.9	77	0.61	2.8	64	0.48
7	0.18	58	0.03	2.6	77	0.54	2.3	62	0.38
8	0.56	57	0.09	1.8	77	0.38	1.9	60	0.31
9	59	99	15.7	1.4	77	0.28	8.3	61	1.4
10	38	70	7.3	1.1	78	0.23	129	97	68.5
11	8.8	67	1.6	0.83	78	0.17	554	149	233
12	3.2	66	0.57	0.92	78	0.19	154	89	39.0
13	5.6	65	0.97	3.3	79	0.71	36	65	6.4
14	2.2	64	0.38	31	91	7.7	18	59	2.8
15	0.68	69	0.13	22	105	6.2	12	56	1.8
16	0.43	81	0.09	11	95	2.9	15	55	2.2
17	0.60	94	0.15	7.9	81	1.7	32	56	4.8
18	0.34	106	0.10	45	97	12.8	17	62	2.9
19	0.36	100	0.10	98	87	23.7	2020	775	4910
20	0.27	89	0.07	27	73	5.3	1050	341	984
21	0.21	81	0.05	12	66	2.2	293	240	218
22	0.40	80	0.09	7.9	65	1.4	64	160	28.0
23	5.2	79	1.1	5.9	64	1.0	28	136	10.3
24	5.1	79	1.1	4.3	63	0.73	17	119	5.4
25	2.0	78	0.42	3.5	62	0.59	15	107	4.2
26	1.1	77	0.23	11	71	3.4	20	97	5.4
27	0.88	77	0.18	234	112	72.8	82	111	25.1
28	7.3	96	2.4	62	90	15.4	52	105	14.7
29	150	142	58.4	24	81	5.4	20	102	5.5
30	131	104	38.1	---	---	---	17	98	4.5
31	49	83	11.0	---	---	---	11	94	2.9

07281960 YALOBUSHA RIVER AT VARDAMAN, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		APRIL			MAY			JUNE	
1	130	193	249	0.84	62	0.14	0.41	80	0.09
2	5950	365	5660	1.2	60	0.19	0.24	72	0.05
3	6350	281	4830	1.5	61	0.25	6.4	84	7.1
4	2840	181	1520	1.9	62	0.32	44	224	32.7
5	480	147	179	1.8	64	0.31	37	300	37.6
6	92	101	26.2	0.94	64	0.16	27	265	21.3
7	41	78	8.8	0.68	64	0.12	8.1	120	2.7
8	248	118	82.7	0.60	64	0.10	2.5	88	0.60
9	103	84	23.8	0.57	65	0.10	1.5	67	0.27
10	39	73	7.7	2.3	104	0.71	0.52	58	0.08
11	24	66	4.3	0.79	70	0.15	0.47	53	0.07
12	19	66	3.4	0.66	63	0.11	0.47	48	0.06
13	1110	481	1800	0.54	62	0.09	0.38	45	0.05
14	693	260	496	0.43	62	0.07	0.33	47	0.04
15	157	158	71.5	1.8	89	0.69	0.31	53	0.04
16	53	98	14.3	0.42	74	0.11	3.0	67	0.95
17	25	84	5.8	0.22	96	0.06	87	106	46.3
18	14	78	3.0	0.18	122	0.06	163	167	108
19	13	106	5.0	0.17	215	0.09	76	227	40.5
20	9.6	68	1.7	0.20	170	0.09	24	197	13.1
21	5.2	61	0.87	0.23	95	0.06	13	171	5.8
22	3.6	61	0.59	0.19	78	0.04	87	171	44.6
23	2.7	62	0.45	0.14	86	0.03	20	122	6.6
24	4.7	62	0.78	0.23	111	0.10	8.6	92	2.2
25	3.6	62	0.59	16	111	12.6	4.8	72	0.93
26	2.7	62	0.45	36	245	21.7	2.4	60	0.40
27	1.7	70	0.32	5.1	159	2.3	9.0	127	7.3
28	1.7	80	0.36	18	286	14.9	12	331	9.4
29	1.2	77	0.24	5.9	238	3.8	18	301	16.6
30	1.1	69	0.20	1.8	136	0.71	8.6	165	3.9
31	---	---	---	0.72	91	0.18	---	---	---
		JULY			AUGUST			SEPTEMBER	
1	4.4	142	1.7	0.0	38	0.00	0.0	0.0	0.00
2	2.2	123	0.73	0.0	38	0.00	0.0	0.0	0.00
3	1.1	104	0.32	0.0	35	0.00	0.0	0.0	0.00
4	0.55	86	0.13	0.0	33	0.00	0.0	0.0	0.00
5	0.34	67	0.06	0.0	37	0.00	0.0	0.0	0.00
6	0.23	51	0.03	0.0	46	0.00	0.0	0.0	0.00
7	0.15	77	0.03	0.0	54	0.00	0.0	0.0	0.00
8	0.085	68	0.02	0.0	54	0.00	0.0	0.0	0.00
9	0.059	62	0.01	0.0	51	0.00	0.0	0.0	0.00
10	1.6	94	0.51	0.0	52	0.00	0.0	0.0	0.00
11	0.50	89	0.12	0.0	53	0.00	0.0	---	0.00
12	0.27	82	0.06	0.0	57	0.00	0.0	62	0.00
13	0.093	69	0.02	0.0	62	0.00	0.007	61	0.00
14	0.051	58	0.01	0.0	68	0.00	0.003	62	0.00
15	0.023	56	0.00	0.0	68	0.00	0.002	65	0.00
16	0.012	57	0.00	0.0	67	0.00	0.001	68	0.00
17	0.008	58	0.00	0.0	67	0.00	0.0	70	0.00
18	0.006	53	0.00	0.0	67	0.00	0.0	72	0.00
19	0.005	47	0.00	0.0	73	0.00	0.0	75	0.00
20	0.003	44	0.00	0.0	83	0.00	0.0	77	0.00
21	0.002	37	0.00	0.0	95	0.00	0.014	79	0.00
22	0.001	35	0.00	0.0	93	0.00	0.004	81	0.00
23	0.0	35	0.00	0.0	87	0.00	0.003	81	0.00
24	0.0	36	0.00	0.0	---	0.00	0.004	80	0.00
25	0.0	36	0.00	0.0	0.0	0.00	0.003	79	0.00
26	0.0	37	0.00	0.0	0.0	0.00	0.002	79	0.00
27	0.0	40	0.00	0.0	0.0	0.00	0.001	79	0.00
28	0.0	41	0.00	0.0	0.0	0.00	0.001	78	0.00
29	0.0	41	0.00	0.0	0.0	0.00	0.001	78	0.00
30	0.0	40	0.00	0.0	0.0	0.00	0.0	78	0.00
31	0.0	39	0.00	0.0	0.0	0.00	---	---	---

07281960 YALOBUSHA RIVER AT VARDAMAN, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		OCTOBER			NOVEMBER			DECEMBER	
1	0.0	79	0.00	0.004	104	0.00	4.0	59	0.64
2	0.0	82	0.00	0.004	106	0.00	2.8	60	0.45
3	0.0	83	0.00	0.005	110	0.00	2.3	62	0.38
4	0.0	86	0.00	0.030	113	0.01	2.0	63	0.34
5	0.0	88	0.00	0.024	117	0.01	1.6	64	0.27
6	0.0	91	0.00	0.038	120	0.01	1.4	63	0.23
7	0.0	93	0.00	0.042	123	0.01	0.95	62	0.16
8	0.0	95	0.00	121	213	177	0.88	62	0.15
9	0.0	98	0.00	370	249	303	0.86	61	0.14
10	0.0	100	0.00	25	134	9.1	0.53	60	0.09
11	0.0	102	0.00	5.5	116	1.8	0.41	59	0.06
12	0.0	104	0.00	1.8	98	0.48	0.36	61	0.06
13	0.0	107	0.00	0.93	82	0.21	121	283	92.0
14	0.0	109	0.00	0.50	80	0.11	250	299	201
15	0.0	112	0.00	0.22	80	0.05	567	561	2280
16	0.005	114	0.00	6.6	80	1.4	2040	1340	8050
17	0.003	116	0.00	4.2	81	0.92	869	576	1460
18	0.0	117	0.00	1.5	81	0.33	274	190	169
19	0.0	116	0.00	1.3	81	0.28	71	121	23.5
20	0.0	115	0.00	0.86	81	0.19	34	102	9.4
21	0.0	114	0.00	0.29	80	0.06	30	83	6.6
22	0.0	113	0.00	0.25	79	0.05	22	70	4.2
23	0.0	112	0.00	0.22	79	0.05	16	61	2.6
24	0.0	111	0.00	627	1310	3220	14	53	2.0
25	0.0	110	0.00	412	794	1020	11	44	1.3
26	0.0	109	0.00	56	235	40.8	10	63	1.7
27	0.0	108	0.00	18	99	4.9	89	224	54.0
28	0.0	107	0.00	10	60	1.7	54	100	15.4
29	0.005	106	0.00	7.3	57	1.1	27	79	5.8
30	0.006	105	0.00	5.6	58	0.88	17	73	3.4
31	0.005	104	0.00	---	---	---	13	67	2.3
		JANUARY			FEBRUARY			MARCH	
1	9.6	61	1.6	59	71	11.7	401	167	210
2	8.7	55	1.3	42	57	6.5	238	285	254
3	6.8	49	0.90	33	51	4.6	754	736	1600
4	6.1	44	0.71	28	45	3.4	720	451	943
5	6.2	43	0.71	25	39	2.7	202	195	115
6	5.9	42	0.68	23	40	2.4	88	96	23.3
7	21	42	2.4	20	42	2.3	49	46	6.3
8	40	42	4.5	19	44	2.3	36	39	3.7
9	17	41	1.9	25	46	3.1	29	36	2.8
10	12	41	1.3	47	48	6.0	23	34	2.1
11	50	164	38.5	40	50	5.4	20	32	1.7
12	72	164	32.7	1020	1100	4020	664	997	2540
13	39	116	12.3	1870	443	2300	515	388	631
14	57	157	25.8	863	229	554	130	213	111
15	56	101	15.6	263	123	91.6	1060	518	1490
16	31	56	4.8	1730	1170	5740	340	84	85.0
17	114	302	133	1810	556	2910	88	57	13.8
18	2510	1380	9010	505	197	335	50	48	6.5
19	6200	585	9260	118	88	28.7	47	86	13.0
20	2040	187	1110	71	64	12.4	115	330	193
21	384	131	141	50	49	6.7	238	219	159
22	134	99	36.2	42	46	5.1	86	60	14.9
23	90	72	17.6	37	45	4.5	48	43	5.6
24	69	66	12.2	35	48	4.6	34	42	3.9
25	54	62	9.1	95	63	15.6	25	42	2.8
26	44	59	7.0	70	50	9.4	19	41	2.1
27	38	56	5.7	598	725	1920	17	40	1.8
28	32	53	4.6	1110	620	2000	15	39	1.6
29	168	390	441	---	---	---	13	41	1.5
30	337	517	513	---	---	---	18	44	2.1
31	110	153	48.1	---	---	---	20	47	2.5

07281960 YALOBUSHA RIVER AT VARDAMAN, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
	APRIL			MAY			JUNE		
1	42	49	5.6	4.3	54	0.62	440	809	1030
2	34	52	4.8	3.3	59	0.53	101	346	107
3	25	54	3.7	2.1	67	0.38	28	202	15.6
4	59	198	68.6	1.7	74	0.33	139	324	284
5	216	313	205	1.5	81	0.32	847	468	1110
6	65	121	21.9	1.3	88	0.30	597	346	569
7	33	83	7.5	1.1	95	0.28	960	503	1450
8	23	70	4.4	3.8	103	1.1	495	243	355
9	18	60	3.0	13	110	3.8	80	104	24.2
10	15	59	2.3	8.7	115	2.7	29	74	5.8
11	11	59	1.8	2.7	111	0.80	16	66	2.8
12	66	64	11.7	0.99	106	0.29	10	58	1.6
13	418	196	255	0.32	100	0.09	6.1	54	0.89
14	222	111	69.1	0.17	95	0.04	5.2	51	0.72
15	2520	801	6050	0.12	91	0.03	4.1	48	0.53
16	641	243	446	0.098	99	0.03	1.7	44	0.20
17	103	154	44.7	0.083	110	0.02	0.71	41	0.08
18	51	115	16.0	0.046	121	0.02	0.36	38	0.04
19	35	89	8.5	0.030	131	0.01	0.23	35	0.02
20	22	73	4.4	0.15	142	0.06	0.16	36	0.02
21	17	63	2.9	7.3	220	4.8	0.11	39	0.01
22	13	58	2.0	15	173	6.8	0.96	42	0.11
23	11	54	1.7	7.3	123	2.5	0.13	44	0.02
24	416	201	225	3.0	117	0.93	0.082	47	0.01
25	134	103	40.7	0.83	122	0.27	0.084	49	0.01
26	35	84	7.9	0.30	127	0.10	0.064	52	0.01
27	20	77	4.1	0.68	133	0.24	39	110	14.7
28	13	71	2.5	13	187	8.0	13	97	3.4
29	9.1	65	1.6	11	276	7.3	15	97	4.0
30	6.2	58	0.98	6.7	202	3.8	2.6	78	0.58
31	---	---	---	246	865	626	---	---	---
	JULY			AUGUST			SEPTEMBER		
1	0.59	68	0.11	0.005	71	0.00	57	172	28.5
2	0.25	62	0.04	0.27	68	0.05	333	937	1300
3	0.29	61	0.05	0.12	65	0.02	234	469	342
4	0.52	61	0.08	0.17	62	0.03	40	168	19.8
5	7.3	126	2.7	0.14	59	0.02	16	73	3.2
6	3.6	83	0.88	0.10	56	0.02	130	187	69.0
7	0.55	55	0.08	0.24	53	0.03	70	200	38.0
8	0.19	46	0.02	0.97	79	0.81	15	115	4.7
9	0.065	42	0.01	374	1210	1610	5.0	75	1.0
10	0.063	42	0.01	299	635	525	2.0	60	0.30
11	0.13	41	0.01	62	246	47.3	0.95	51	0.13
12	0.13	41	0.01	16	88	3.9	0.050	49	0.01
13	0.34	40	0.04	82	199	63.0	0.37	51	0.05
14	0.068	40	0.01	90	172	60.4	0.30	54	0.04
15	0.024	40	0.00	15	79	3.4	0.27	59	0.04
16	0.014	39	0.00	4.3	75	0.86	0.28	65	0.05
17	0.013	40	0.00	0.97	74	0.19	0.26	70	0.05
18	0.011	42	0.00	3.8	72	0.75	0.28	75	0.06
19	0.005	45	0.00	58	256	165	0.32	80	0.07
20	0.003	47	0.00	98	366	130	0.23	84	0.05
21	0.007	50	0.00	14	163	6.7	0.21	78	0.04
22	0.007	53	0.00	4.0	114	1.3	0.20	69	0.04
23	0.002	56	0.00	1.1	82	0.25	0.17	60	0.03
24	0.002	58	0.00	2.2	58	0.33	0.17	51	0.02
25	0.003	61	0.00	0.18	49	0.02	0.18	42	0.02
26	0.001	65	0.00	0.045	46	0.01	0.22	35	0.02
27	0.001	68	0.00	0.030	44	0.00	0.22	34	0.02
28	0.001	71	0.00	0.72	43	0.08	0.26	34	0.02
29	0.001	71	0.00	19	134	11.0	0.32	35	0.03
30	0.001	72	0.00	12	102	3.4	0.27	35	0.03
31	0.001	73	0.00	51	208	47.8	---	---	---

07281960 YALOBUSHA RIVER AT VARDAMAN, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

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	0.29	36	0.03	0.13	42	0.01	552	148	238
2	4.1	60	1.3	0.25	43	0.03	66	108	19.6
3	1.9	82	0.43	0.25	44	0.03	39	80	8.4
4	0.24	69	0.04	0.49	46	0.06	24	76	5.0
5	0.30	71	0.06	0.67	47	0.09	17	75	3.5
6	0.64	78	0.14	0.34	48	0.04	13	73	2.6
7	0.20	86	0.05	1.5	48	0.20	12	72	2.4
8	0.15	98	0.04	2.1	48	0.20	22	70	4.1
9	0.16	110	0.05	0.17	48	0.02	31	69	5.7
10	0.17	119	0.05	0.34	49	0.05	21	67	3.9
11	12	107	3.2	0.44	49	0.06	15	66	2.7
12	32	91	7.8	0.56	49	0.07	67	267	114
13	1090	457	2710	0.74	49	0.10	2970	1170	12400
14	1200	513	1830	1.3	50	0.17	5210	832	12600
15	365	175	228	2.6	50	0.35	994	300	954
16	31	81	7.0	1.8	51	0.25	116	126	40.7
17	14	69	2.7	1.3	51	0.17	666	573	1380
18	8.3	59	1.3	1.5	52	0.21	395	328	391
19	4.9	57	0.76	1.6	53	0.23	100	155	42.5
20	2.8	56	0.42	2.0	53	0.28	54	115	17.0
21	1.4	55	0.22	2.1	54	0.31	36	91	8.8
22	0.93	55	0.14	2.1	55	0.32	26	70	4.9
23	0.78	54	0.11	2.1	55	0.31	1680	667	3490
24	0.61	53	0.09	4.3	56	0.65	717	265	553
25	0.34	52	0.05	5.5	57	0.84	103	98	28.4
26	0.26	51	0.04	1.3	73	0.24	47	66	8.4
27	0.24	49	0.03	35	432	48.1	31	51	4.3
28	0.26	48	0.03	91	152	35.9	24	48	3.1
29	0.26	46	0.03	3820	758	8480	18	49	2.4
30	0.27	45	0.03	3430	271	2840	15	50	2.0
31	0.37	43	0.04	---	---	---	12	49	1.6
		JANUARY			FEBRUARY			MARCH	
1	9.9	50	1.3	114	67	20.8	14	60	2.3
2	8.6	50	1.2	65	65	11.4	13	57	2.0
3	7.8	50	1.1	40	62	6.7	12	55	1.7
4	7.1	47	0.91	32	60	5.1	9.7	53	1.4
5	7.5	46	0.95	25	57	3.9	9.0	54	1.3
6	343	204	179	891	413	1250	8.9	57	1.4
7	415	223	266	574	280	472	11	59	1.7
8	118	104	34.4	135	153	57.4	11	62	1.8
9	54	76	11.3	69	126	23.7	42	64	7.3
10	37	69	6.8	45	104	12.7	59	67	10.6
11	32	65	5.6	34	85	7.9	29	69	5.5
12	28	61	4.7	26	79	5.5	635	272	552
13	22	57	3.4	20	72	4.0	331	151	143
14	18	54	2.6	16	67	2.8	99	106	29.0
15	13	51	1.9	13	64	2.3	55	91	13.4
16	11	53	1.6	12	61	2.0	1370	1120	5430
17	10	55	1.5	11	59	1.6	987	502	1430
18	11	58	1.7	8.9	56	1.4	900	337	886
19	363	222	298	8.5	54	1.2	273	146	117
20	297	136	120	631	263	496	953	427	1960
21	77	83	17.5	212	146	87.4	1530	372	1740
22	61	91	29.4	63	115	19.6	384	167	212
23	1140	690	2300	37	94	9.4	84	101	23.3
24	4180	928	10400	25	83	5.7	47	90	11.4
25	4570	210	2590	19	77	4.0	33	85	7.7
26	630	178	333	24	70	4.5	217	235	156
27	136	112	41.4	21	65	3.7	139	170	68.1
28	83	99	22.1	17	62	2.8	55	110	16.5
29	64	86	14.8	---	---	---	33	96	8.6
30	53	74	10.6	---	---	---	1290	539	2200
31	46	70	8.6	---	---	---	2540	503	3510

07281960 YALOBUSHA RIVER AT VARDAMAN, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DAY	APRIL MEAN DISCHARGE (CFS)	APRIL MEAN CONCENTRATION (MG/L)	APRIL SEDIMENT DISCHARGE (TONS/DAY)	MAY MEAN DISCHARGE (CFS)	MAY MEAN CONCENTRATION (MG/L)	MAY SEDIMENT DISCHARGE (TONS/DAY)	JUNE MEAN DISCHARGE (CFS)	JUNE MEAN CONCENTRATION (MG/L)	JUNE SEDIMENT DISCHARGE (TONS/DAY)
1	1100	213	666	7.3	88	1.7	6.3	127	2.2
2	169	123	59.4	4.9	82	1.1	4.7	110	1.4
3	69	77	14.8	1720	684	4000	3.2	92	0.81
4	40	52	5.6	2770	499	3930	2.0	77	0.41
5	24	44	2.9	1120	267	783	1.6	74	0.33
6	17	35	1.6	117	161	55.3	1.7	74	0.34
7	12	27	0.88	46	105	13.3	0.56	74	0.11
8	550	570	2140	28	79	6.1	0.33	73	0.07
9	1120	437	1600	60	114	22.5	0.27	73	0.05
10	251	200	160	1040	348	1360	298	215	388
11	67	128	23.4	608	221	378	95	242	67.8
12	37	108	11.0	80	113	25.0	11	186	5.7
13	27	90	6.6	228	228	174	5.6	123	1.9
14	22	81	4.9	101	188	54.0	9.0	152	4.4
15	17	74	3.4	30	142	11.5	4.3	91	1.1
16	13	68	2.4	17	119	5.4	1.4	69	0.26
17	12	61	1.9	15	108	4.7	0.78	63	0.13
18	9.4	55	1.4	27	125	9.2	0.47	57	0.07
19	8.0	54	1.2	15	90	3.6	0.48	52	0.07
20	6.4	55	0.96	9.4	75	1.9	0.43	48	0.06
21	5.2	56	0.78	9.9	67	1.8	0.32	44	0.04
22	8.9	56	1.4	8.3	65	1.5	0.49	40	0.05
23	6.3	57	0.96	5.0	64	0.85	0.34	37	0.03
24	4.3	57	0.67	3.2	62	0.54	7.4	33	0.64
25	6.1	57	0.94	4.2	61	0.69	24	68	43.3
26	31	92	12.2	5.5	60	0.88	537	925	1530
27	65	124	22.5	34	110	19.7	48	396	59.4
28	25	83	5.7	13	104	3.6	12	177	5.8
29	13	84	3.0	25	495	32.1	11	116	3.4
30	9.0	91	2.2	16	201	9.6	10	97	2.7
31	---	---	---	9.5	170	4.4	---	---	---

DAY	JULY MEAN DISCHARGE (CFS)	JULY MEAN CONCENTRATION (MG/L)	JULY SEDIMENT DISCHARGE (TONS/DAY)	AUGUST MEAN DISCHARGE (CFS)	AUGUST MEAN CONCENTRATION (MG/L)	AUGUST SEDIMENT DISCHARGE (TONS/DAY)	SEPTEMBER MEAN DISCHARGE (CFS)	SEPTEMBER MEAN CONCENTRATION (MG/L)	SEPTEMBER SEDIMENT DISCHARGE (TONS/DAY)
1	5.4	77	1.1	46	81	11.0	0.17	42	0.02
2	120	134	164	17	60	2.9	0.13	41	0.01
3	184	170	121	11	54	1.6	0.094	40	0.01
4	44	94	15.9	7.5	48	0.97	0.11	39	0.01
5	33	95	8.7	5.3	41	0.60	0.10	38	0.01
6	7.2	81	1.6	4.1	35	0.40	0.081	38	0.01
7	2.6	68	0.49	16	55	2.5	0.080	38	0.01
8	1.1	54	0.16	9.8	46	1.2	0.044	38	0.00
9	0.61	43	0.07	5.6	42	0.64	0.024	38	0.00
10	0.42	42	0.05	4.2	40	0.46	0.017	38	0.00
11	0.30	43	0.03	2.7	38	0.28	0.013	39	0.00
12	409	261	675	1.8	36	0.18	0.023	40	0.00
13	115	155	56.8	1.6	34	0.15	0.029	40	0.00
14	130	149	73.7	1.6	32	0.14	0.019	41	0.00
15	43	114	14.3	98	97	122	0.015	42	0.00
16	15	73	3.0	355	199	235	0.11	43	0.01
17	9.5	59	1.5	48	69	9.9	19	67	4.0
18	6.6	45	0.80	13	48	1.7	3.6	62	0.54
19	6.0	40	0.64	6.6	50	0.88	0.47	65	0.08
20	4.1	39	0.43	3.9	47	0.50	9.3	68	2.0
21	3.3	37	0.34	3.1	44	0.37	307	265	308
22	9.1	42	1.1	1.7	42	0.19	183	218	145
23	49	65	8.9	17	52	5.9	29	111	9.5
24	379	431	460	19	74	4.4	11	69	1.7
25	347	314	564	7.4	54	1.1	232	110	143
26	408	322	433	3.4	47	0.42	5250	395	4830
27	52	125	18.2	1.5	46	0.19	6820	94	1800
28	20	105	5.9	1.3	46	0.16	1250	50	182
29	13	104	3.6	0.67	46	0.08	77	42	8.9
30	115	168	188	0.41	45	0.05	35	41	3.9
31	607	274	568	0.24	44	0.03	---	---	---

07281977 YALOBUSHA RIVER AT DERMA, MS

LOCATION.--Lat 33°50'16", long 89°16'33", in NW¼ NW¼ sec.26, T.14 S., R.1 W., Chickasaw Meridian, Calhoun County, Hydrologic Unit 08030205, on the right bank at downstream side of bridge on county road, 1.3 mi south of Derma, and 2.4 mi upstream of 07282000 Yalobusha River at Calhoun City.

DRAINAGE AREA.--160 mi^2.

PERIOD OF RECORD.--Water year 1999.

PERIOD OF DAILY RECORD.--
DISCHARGE: May 1998 to current year.
SUSPENDED SEDIMENT CONCENTRATION: May 1998 to current year.
SUSPENDED SEDIMENT DISCHARGE: May 1998 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 226.02 ft above NGVD of 1929. Automatic pumping sediment sampler since May 1998.

REMARKS.--Estimated daily discharge: May 6-9, 12-June 10, 12, 14, 15, 18-24, 28-July 2, 7-11, 15-22, Aug. 4-13. Discharge records fair except for estimated daily discharges, which are poor. Satellite telemeter at station. Channel rectification was completed in 1967.

EXTREMES FOR PERIOD OF DAILY RECORD.--
DISCHARGE: Maximum, 15,900 ft^3/s, Jan. 23, 1999, maximum gage height, 31.36 ft, Jan. 23, 1999; minimum daily mean, 0.00 ft^3/s, Aug. 30-Sept. 6, 2000.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,910 mg/L, Sept. 26, 2002; minimum daily mean, 24 mg/L, Sept. 3, 1999.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 29,300 tons, Jan. 24, 2002; minimum daily, <0.01 ton, Aug. 27-Sept. 6, Oct. 3-14, 2000.

EXTREMES FOR CURRENT YEAR.--
DISCHARGE: Maximum, 12,300 ft^3/s, Sept. 27, maximum gage height, 30.15 ft, Sept. 27; minimum daily mean, 1.5 ft^3/s, Sept. 13-16, but may have been lower during periods of estimated record.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,910 mg/L, Sept. 26; minimum daily mean, 28 mg/L, Aug. 22.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 29,300 tons, Jan. 24; minimum daily, 0.17 ton, Sept. 5, 6.

07281977 YALOBUSHA RIVER AT DERMA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

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	2.8	53	0.40	3.0	42	0.34	1460	200	847
2	2.8	49	0.38	2.9	41	0.32	426	96	117
3	3.0	46	0.37	2.8	40	0.31	195	63	33.2
4	3.1	46	0.38	2.8	38	0.29	103	61	16.8
5	3.2	45	0.39	2.7	37	0.27	66	58	10.4
6	4.2	45	0.52	2.6	36	0.26	50	56	7.5
7	5.3	45	0.64	2.5	35	0.24	43	54	6.3
8	5.4	45	0.66	2.7	35	0.25	54	54	7.8
9	5.4	44	0.65	2.7	34	0.25	74	53	10.5
10	5.5	44	0.66	2.7	34	0.25	57	52	8.0
11	7.1	44	0.84	2.8	33	0.25	44	51	6.1
12	56	44	6.7	2.8	33	0.24	113	121	94.7
13	1830	1120	7530	2.7	33	0.24	4490	1530	22600
14	1860	557	3220	2.7	39	0.29	9160	832	21400
15	580	341	550	3.0	46	0.37	2550	353	2370
16	144	246	98.9	3.1	53	0.44	500	184	274
17	53	150	22.4	3.3	59	0.53	1000	689	2350
18	29	66	5.3	3.7	66	0.66	632	264	491
19	19	53	2.7	3.9	73	0.77	240	108	71.7
20	12	53	1.7	3.8	78	0.80	115	81	25.4
21	7.5	53	1.1	3.5	79	0.75	70	66	12.6
22	5.7	52	0.81	3.3	79	0.71	52	56	7.8
23	5.0	52	0.70	3.3	79	0.71	3040	1160	12400
24	4.8	52	0.68	4.6	79	0.97	1050	422	1230
25	4.8	52	0.68	8.6	79	1.8	322	139	133
26	5.4	51	0.73	7.9	78	1.7	146	72	29.0
27	4.8	49	0.64	124	109	43.9	87	52	12.2
28	4.0	48	0.52	560	396	738	63	48	8.1
29	3.5	46	0.44	5740	1250	23100	48	47	6.2
30	3.2	45	0.39	7480	438	9930	37	47	4.7
31	3.0	43	0.35	---	---	---	30	47	3.9
		JANUARY			FEBRUARY			MARCH	
1	26	47	3.3	146	69	27.3	33	52	4.6
2	23	46	2.8	108	65	19.0	31	51	4.3
3	20	46	2.5	75	61	12.4	29	51	4.1
4	17	46	2.1	61	58	9.4	24	51	3.3
5	16	46	2.0	48	54	7.0	21	51	2.9
6	555	311	579	1360	562	2730	20	51	2.7
7	573	307	500	981	423	1190	25	51	3.4
8	253	141	101	383	185	198	36	51	4.9
9	133	67	24.8	214	134	78.3	75	51	10.4
10	86	55	12.8	143	100	38.7	102	51	14.1
11	66	52	9.3	102	74	20.6	69	51	9.5
12	54	49	7.1	80	63	13.7	926	405	1320
13	44	46	5.4	65	53	9.2	604	229	406
14	36	43	4.2	52	44	6.1	278	138	105
15	29	40	3.1	45	44	5.4	152	101	41.9
16	23	39	2.4	41	45	5.1	2540	1880	16900
17	20	39	2.1	36	47	4.5	1680	733	3490
18	22	38	2.2	30	48	4.0	1660	667	3300
19	452	228	438	27	50	3.7	641	172	317
20	381	160	178	1000	439	1430	1650	789	5730
21	166	62	28.1	432	134	173	2920	657	6170
22	117	77	42.8	194	51	26.8	798	283	646
23	2160	958	6570	111	51	15.4	353	141	140
24	6250	1300	29300	74	51	10.4	207	88	49.2
25	9590	449	12400	58	52	8.1	135	80	29.3
26	1830	485	2320	58	52	8.0	248	222	174
27	445	328	406	48	52	6.8	246	165	113
28	226	230	143	38	52	5.4	153	128	52.8
29	144	127	50.2	---	---	---	105	116	32.7
30	106	82	23.5	---	---	---	2070	1160	8300
31	85	73	16.8	---	---	---	4850	923	12800

07281977 YALOBUSHA RIVER AT DERMA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN- TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		APRIL			MAY			JUNE	
1	1880	332	1820	5.6	78	1.2	19	153	7.6
2	568	142	227	3.8	78	0.79	9.4	134	3.4
3	297	114	92.2	2910	1520	15400	4.5	115	1.4
4	169	105	48.2	4860	1090	15700	2.9	97	0.77
5	109	96	28.2	1750	335	1670	2.2	89	0.53
6	78	86	18.3	414	148	181	2.0	84	0.45
7	62	77	12.9	154	98	41.0	1.8	80	0.39
8	970	794	5840	63	85	14.4	17	75	3.3
9	2170	594	4570	43	71	8.2	28	70	5.4
10	616	282	472	1320	1370	7950	225	239	403
11	293	256	203	777	349	839	196	314	199
12	166	229	103	218	97	60.4	38	122	13.0
13	110	203	60.4	318	178	188	12	101	3.4
14	80	177	38.4	190	159	82.0	5.7	95	1.5
15	61	150	25.0	65	119	21.0	3.9	88	0.92
16	47	124	15.7	32	101	8.7	2.3	82	0.51
17	37	98	9.8	25	90	6.1	1.9	76	0.38
18	29	74	5.8	35	79	7.5	1.5	69	0.28
19	20	66	3.6	23	68	4.2	1.4	63	0.24
20	15	61	2.4	14	57	2.2	1.3	61	0.22
21	10	55	1.5	11	47	1.4	1.1	58	0.17
22	10	49	1.3	10	44	1.2	1.2	56	0.18
23	9.5	44	1.1	8.0	44	1.0	1.4	54	0.20
24	5.9	39	0.62	4.4	44	0.52	42	81	23.0
25	11	38	1.1	5.0	44	0.59	129	129	59.9
26	29	61	8.7	5.0	44	0.59	957	984	3230
27	87	126	30.6	100	44	12.0	303	168	150
28	42	95	11.0	200	52	28.0	142	96	36.9
29	21	83	4.7	174	240	117	71	89	17.1
30	9.1	79	1.9	83	190	42.8	74	83	16.6
31	---	---	---	37	171	17.4	---	---	---
		JULY			AUGUST			SEPTEMBER	
1	57	77	11.9	225	74	46.5	3.4	41	0.37
2	58	93	43.0	86	66	15.3	2.9	37	0.29
3	709	319	733	44	63	7.5	2.6	34	0.24
4	263	169	119	27	60	4.4	2.3	31	0.20
5	181	145	72.2	17	57	2.6	2.1	29	0.17
6	61	122	20.5	11	54	1.6	1.9	33	0.17
7	29	99	7.7	8.6	51	1.2	1.8	39	0.19
8	15	76	3.1	8.0	49	1.1	1.8	45	0.21
9	7.6	55	1.1	6.0	46	0.79	1.7	50	0.23
10	4.7	52	0.66	5.1	45	0.62	1.7	56	0.25
11	3.5	51	0.49	4.8	44	0.57	1.6	61	0.27
12	639	316	1530	4.6	43	0.53	1.6	67	0.28
13	597	230	491	4.7	44	0.56	1.5	72	0.29
14	354	148	186	6.4	46	0.80	1.5	77	0.31
15	340	202	185	9.9	53	1.8	1.5	83	0.33
16	120	148	48.0	333	198	201	1.5	88	0.35
17	56	93	14.0	128	61	21.2	4.8	93	1.2
18	29	49	3.8	49	54	7.2	5.8	98	1.5
19	16	44	1.9	25	47	3.2	4.8	101	1.3
20	16	44	1.9	15	40	1.6	3.7	83	0.82
21	12	44	1.4	9.4	34	0.86	161	170	104
22	18	44	2.2	6.4	28	0.49	110	92	29.8
23	69	44	8.2	5.4	30	0.44	45	84	10.3
24	1130	767	2610	42	34	3.8	17	70	3.3
25	652	261	510	41	37	4.1	73	125	96.8
26	621	210	411	43	40	4.7	5240	1910	24200
27	228	51	31.5	19	44	2.3	11300	440	13500
28	93	51	12.8	11	47	1.4	3950	269	2990
29	45	51	6.2	7.2	49	0.95	582	182	307
30	55	66	28.1	5.3	47	0.67	191	85	45.8
31	781	213	521	4.2	44	0.49	---	---	---

07282000 YALOBUSHA RIVER AND TOPASHAW CREEK CANAL AT CALHOUN CITY, MS

LOCATION.--Lat 33°50'19", long 89°18'56", in SE1/4 SE1/4 sec.23, T.23 N., R.9 E., Choctaw Meridian, Calhoun County, Hydrologic Unit 08030205, at downstream side of bridge on State Highway 9, 0.8 mi upstream from Topashaw Creek, 1.2 mi south of Calhoun City, 1.5 mi upstream from old channel, and 4.8 mi upstream from Topashaw Creek Canal. Records include flow in Topashaw Creek Canal and all supplemental channels.

DRAINAGE AREA.--295 mi^2, combined drainage area of all channels.

PERIOD OF RECORD.--October 1950 to current year. Prior to October 1997, published as Yalobusha River at Calhoun City.

REVISED RECORDS.--WRD Miss. 1970: 1969(M). WDR MS-78-1: 1977(P). WDR MS-92: 1983-85. WDR MS-98-1: Drainage area. WRD MS-001: 1997.

GAGE.--Water-stage recorder. Datum of gage is 226.06 ft above NGVD of 1929 (levels by U. S. Army Corps of Engineers). Prior to Jan. 1, 1972, datum of gage was 10.00 ft higher. Prior to Nov. 15, 1950, nonrecording gage at site 75 ft downstream at same datum. Water-stage recorder on Topashaw Creek canal, 2.5 mi southwest of base gage. Prior to Aug. 16, 1963, nonrecording gage and crest-stage gage on Topashaw Creek Canal.

REMARKS.--Estimated daily discharges: Dec. 13, 14, Jan. 25 and Sept. 27. Records fair except for estimated daily discharges, which are poor. Discharge computed by combining the flow of individually rated Yalobusha River and Topashaw Creek Canal. Channel rectification of both Yalobusha River and Topashaw Creek was completed in 1967. U. S. Army Corps of Engineers satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11,000 ft^3/s and maximum (*).

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 14	----	unknown	unknown	Sep. 27	----	unknown	unknown
Jan. 24	----	*unknown	*unknown				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.9	7.7	2280	91	262	76	2790	22	78	29	160	6.2
2	4.8	7.6	567	83	215	72	965	17	53	24	71	5.4
3	4.9	7.5	269	76	161	69	499	3170	37	501	40	4.8
4	5.1	7.4	160	68	137	60	311	6400	28	141	25	4.4
5	5.2	7.3	114	64	115	54	218	2380	23	118	17	4.0
6	6.9	7.2	90	647	1670	52	165	818	21	48	12	3.7
7	8.3	7.1	80	744	1280	62	136	416	19	26	11	3.5
8	8.7	7.2	95	444	532	80	1550	256	49	17	9.2	3.4
9	8.5	7.4	121	278	314	135	3300	204	82	12	7.9	3.3
10	8.5	7.3	99	199	226	183	1020	1500	143	9.8	6.9	3.3
11	9.9	7.4	82	162	172	134	494	1130	248	8.3	6.2	3.2
12	44	7.4	131	136	140	1140	305	522	91	500	5.9	3.1
13	1980	7.2	e5650	117	118	832	216	588	49	446	6.0	2.9
14	2020	7.3	e13900	102	101	420	165	484	34	232	7.6	2.9
15	534	7.7	4130	87	91	258	133	281	28	266	11	2.8
16	160	8.1	883	74	85	3270	108	181	22	107	188	2.9
17	71	8.3	1290	67	77	2210	90	132	19	52	100	8.4
18	43	9.1	942	69	69	2550	75	136	17	30	47	10
19	30	9.5	455	467	63	992	57	103	15	19	27	8.7
20	21	9.3	269	522	1160	2520	46	76	14	18	18	6.8
21	15	8.9	188	304	590	4700	35	57	13	15	13	96
22	13	8.5	149	226	301	1250	35	45	12	20	9.8	93
23	11	8.4	4040	3050	190	568	34	37	13	60	8.7	51
24	11	10	1480	11000	136	351	24	33	83	1190	45	24
25	11	17	590	e12300	113	246	34	29	183	514	44	41
26	12	16	324	3140	112	362	59	28	544	412	47	9290
27	11	131	221	745	99	389	148	41	152	159	25	e14000
28	9.9	535	173	388	85	273	86	60	76	75	16	6290
29	8.8	10300	143	268	---	200	51	285	40	42	12	898
30	8.1	9870	119	208	---	3130	30	194	39	32	9.1	283
31	7.8	---	103	175	---	7800	---	127	---	462	7.4	---
TOTAL	5097.3	21059.8	39137	36301	8614	34438	13179	19752	2225	5585.1	1013.7	31159.7
MEAN	164.4	702.0	1262	1171	307.6	1111	439.3	637.2	74.17	180.2	32.70	1039
MAX	2020	10300	13900	12300	1670	7800	3300	6400	544	1190	188	14000
MIN	4.8	7.1	80	64	63	52	24	17	12	8.3	5.9	2.8
CFSM	0.56	2.38	4.28	3.97	1.04	3.77	1.49	2.16	0.25	0.61	0.11	3.52
IN.	0.64	2.66	4.94	4.58	1.09	4.34	1.66	2.49	0.28	0.70	0.13	3.93

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	48.55	269.4	641.9	742.4	841.2	992.6	821.1	445.0	242.6	111.8	55.48	78.35
MAX	622	2827	4402	2400	2409	3583	3418	3696	1815	948	335	1039
(WY)	1976	1958	1983	1974	1991	1980	1991	1991	1989	1979	1996	2002
MIN	0.15	0.99	3.59	11.5	66.1	83.2	15.9	7.45	0.38	1.26	0.80	0.000
(WY)	1954	1982	1966	1956	1963	1954	1986	1988	1988	1954	1951	1952

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1951 - 2002	
ANNUAL TOTAL	237164.7		217561.6			
ANNUAL MEAN	649.8		596.1		438.8	
HIGHEST ANNUAL MEAN					1171	1991
LOWEST ANNUAL MEAN					78.6	1986
HIGHEST DAILY MEAN	16200	Jan 19	14000	Sep 27	50800	Dec 26 1982
LOWEST DAILY MEAN	4.8	Oct 2	2.8	Sep 15	0.00	Jul 25 1952
ANNUAL SEVEN-DAY MINIMUM	5.1	Sep 29	3.0	Sep 10	0.00	Aug 28 1952
MAXIMUM PEAK FLOW			20500	Jan 24	70100	Dec 26 1982
MAXIMUM PEAK STAGE			22.86	Sep 27	25.75	Dec 26 1982
ANNUAL RUNOFF (CFSM)	2.20		2.02		1.49	
ANNUAL RUNOFF (INCHES)	29.91		27.43		20.21	
10 PERCENT EXCEEDS	1620		1170		942	
50 PERCENT EXCEEDS	103		80		41	
90 PERCENT EXCEEDS	8.1		7.4		2.2	

e Estimated

07282075 TOPASHAW CREEK CANAL NEAR HOHENLINDEN, MS

LOCATION.--Lat 33°45'29", long 89°10'43", in SE¼ SE¼ sec.22, T.15 S., R.1 E., Choctaw Meridian, Chickasaw County, Hydrologic Unit 08030205, at bridge on county road 2.5 mi west of Mississippi Highway 341 and 2.5 mi south of Atlanta.

DRAINAGE AREA.--42.1 mi^2.

PERIOD OF DAILY RECORD.--
DISCHARGE: May 1998 to current year.
SUSPENDED SEDIMENT CONCENTRATION: January 2000 to current year.
SUSPENDED SEDIMENT DISCHARGE: January 2000 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 296.19 ft above NGVD of 1929. Automatic pumping sediment sampler since January 2000.

REMARKS.--Estimated daily discharge: Sept. 20, 21, Dec. 24, 1998, Jan. 5-13, May 24-June 1, 1999, Aug. 4-22, Sept. 8, Dec. 3-11, 2000, Mar. 7-11, Sept. 22, 25-26, 2002. Discharge records good except for estimated daily discharges, which are poor. Satellite telemeter at station. Channel rectification was completed in 1967.

EXTREMES FOR MAY TO SEPTEMBER 1998.--
DISCHARGE: Maximum, 1,980 ft^3/s, May 29, July 10, maximum gage height, 13.64 ft, July 10; minimum daily mean, 0.98 ft^3/s, Aug. 5.

EXTREMES FOR WATER YEAR 1999.--
DISCHARGE: Maximum, 7,680 ft^3/s, June 27, maximum gage height, 34.52 ft, June 27; minimum daily mean, 0.60 ft^3/s, Sept. 24.

EXTREMES FOR WATER YEAR 2000.--
DISCHARGE: Maximum, 6,350 ft^3/s, Apr. 3, maximum gage height, 29.32 ft, Apr. 3; minimum daily mean, 0.00 ft^3/s, Aug. 17-Sept. 7.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 2,800 mg/L, Apr. 2; minimum daily mean, 0.00 mg/L, Aug. 29-Sept. 7.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 24,000 tons, Apr. 2; minimum daily, 0.00 ton, Aug. 15-Sept. 7.

EXTREMES FOR WATER YEAR 2001.--
DISCHARGE: Maximum, 4,390 ft^3/s, Jan. 18, maximum gage height, 21.99 ft, Jan. 18; minimum daily mean, 0.11 ft^3/s, Oct. 5.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 2,210 mg/L, Jan. 19; minimum daily mean, 28 mg/L, Mar. 28, May 1.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 16,600 tons, Jan. 18; minimum daily, 0.02 ton, Oct. 1-5, 9-10, 14-17, 25.

EXTREMES FOR WATER YEAR 2002.--
DISCHARGE: Maximum, 6,740 ft^3/s, Dec. 13, maximum gage height, 30.83 ft, Dec. 13; minimum daily mean, 0.36 ft^3/s, Sept. 6.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,400 mg/L, Jan. 24; minimum daily mean, 27 mg/L, Apr. 18, 19.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 15,300 tons, Jan. 24; minimum daily, 0.04 ton, Sept. 7, 9-11.

07282075 TOPASHAW CREEK CANAL NEAR HOHENLINDEN, MS--Continued

DISCHARGE, CFS, MAY TO SEPTEMBER 1998
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	8.4	1.8	1.3	4.1
2	---	---	---	---	---	---	---	---	5.8	2.0	1.3	3.4
3	---	---	---	---	---	---	---	---	4.9	2.0	1.1	2.2
4	---	---	---	---	---	---	---	---	4.6	1.3	1.0	2.0
5	---	---	---	---	---	---	---	---	199	2.2	0.98	1.8
6	---	---	---	---	---	---	---	---	57	1.8	10	1.6
7	---	---	---	---	---	---	---	---	15	1.3	11	1.5
8	---	---	---	---	---	---	---	---	8.3	1.1	140	1.5
9	---	---	---	---	---	---	---	---	6.5	19	8.3	1.6
10	---	---	---	---	---	---	---	---	5.5	291	2.9	1.3
11	---	---	---	---	---	---	---	---	4.9	140	2.8	1.3
12	---	---	---	---	---	---	---	---	4.8	39	121	1.7
13	---	---	---	---	---	---	---	---	4.6	12	38	2.1
14	---	---	---	---	---	---	---	---	4.1	8.9	22	1.8
15	---	---	---	---	---	---	---	---	6.7	29	199	1.5
16	---	---	---	---	---	---	---	---	4.5	31	131	1.3
17	---	---	---	---	---	---	---	---	3.5	9.8	37	1.3
18	---	---	---	---	---	---	---	---	4.8	3.7	18	1.3
19	---	---	---	---	---	---	---	---	4.1	2.6	13	1.3
20	---	---	---	---	---	---	---	---	3.4	2.2	10	1.7
21	---	---	---	---	---	---	---	2.4	3.0	1.8	8.1	2.6
22	---	---	---	---	---	---	---	2.3	2.4	1.7	7.4	1.9
23	---	---	---	---	---	---	---	2.3	2.3	1.6	6.7	1.5
24	---	---	---	---	---	---	---	2.2	1.9	4.9	6.5	1.6
25	---	---	---	---	---	---	---	2.1	1.7	5.0	6.0	1.3
26	---	---	---	---	---	---	---	2.1	1.6	2.9	5.4	1.3
27	---	---	---	---	---	---	---	2.1	1.4	2.0	4.9	1.3
28	---	---	---	---	---	---	---	7.4	1.3	1.8	4.3	1.3
29	---	---	---	---	---	---	---	698	1.3	1.8	4.0	1.4
30	---	---	---	---	---	---	---	63	1.4	1.8	6.6	1.4
31	---	---	---	---	---	---	---	15	---	1.5	4.8	---

DISCHARGE, CFS, WATER YEAR OCTOBER 1998 TO SEPTEMBER 1999
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	1.0	2.6	45	128	37	19	9.4	5.4	29	2.1	0.72
2	1.4	1.4	2.5	444	88	193	16	7.5	4.6	22	2.1	0.72
3	351	1.6	2.8	148	66	498	15	6.6	4.7	17	1.9	0.72
4	9.5	1.3	2.8	71	51	90	145	6.9	4.6	14	1.6	0.76
5	3.8	1.1	2.9	50	41	62	53	181	4.1	11	1.5	0.71
6	2.9	1.1	3.0	47	37	165	617	863	3.8	9.2	1.4	0.69
7	2.8	1.1	6.9	44	38	77	89	86	3.9	33	1.5	0.72
8	2.7	3.7	24	186	31	80	54	46	3.9	57	1.6	28
9	2.3	2.6	14	773	27	402	38	30	3.5	16	1.9	7.1
10	1.9	9.1	26	150	25	98	28	22	3.3	11	2.5	1.5
11	1.9	3.7	118	83	22	69	20	18	3.5	53	1.8	0.96
12	1.7	1.8	1800	64	31	55	15	24	107	30	1.6	0.85
13	1.7	1.7	166	50	23	753	13	20	10	11	1.3	0.81
14	1.7	184	78	41	19	386	49	14	222	7.0	1.1	0.74
15	1.7	52	48	35	17	123	523	12	92	5.8	0.97	0.69
16	1.5	9.4	38	31	17	80	68	11	18	5.3	0.93	0.69
17	1.4	4.7	30	28	72	60	39	11	11	5.0	0.86	0.69
18	1.4	3.3	25	31	54	46	27	9.0	9.4	4.7	0.86	0.66
19	1.5	2.9	30	25	35	37	20	8.2	9.1	4.1	0.86	0.69
20	1.5	8.8	25	24	26	36	16	7.6	7.7	3.9	0.79	0.71
21	1.4	6.2	21	21	23	35	13	7.2	6.1	3.8	0.73	0.73
22	1.4	3.8	249	1490	20	27	11	8.0	5.8	3.3	0.73	0.69
23	1.2	3.3	232	955	19	23	9.9	7.3	57	3.1	0.69	0.62
24	1.2	3.1	606	134	16	28	160	8.0	27	2.9	30	0.60
25	1.2	2.9	105	84	16	39	132	7.4	14	2.8	3.8	0.63
26	1.2	2.8	75	63	16	28	47	6.8	82	31	1.7	0.63
27	1.2	2.5	92	51	34	21	40	6.4	2760	8.2	1.2	0.66
28	1.1	2.8	771	43	86	18	22	5.9	213	3.5	1.0	0.68
29	1.1	2.7	134	1020	---	17	14	7.7	84	2.8	0.92	1.2
30	1.2	3.3	74	624	---	16	12	12	45	2.6	0.78	1.0
31	1.1	---	54	302	---	22	---	6.6	---	2.3	0.73	---

07282075 TOPASHAW CREEK CANAL NEAR HOHENLINDEN, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		OCTOBER			NOVEMBER			DECEMBER	
1	0.80	---	---	2.0	---	---	1.2	---	---
2	0.72	---	---	1.2	---	---	1.3	---	---
3	0.71	---	---	0.84	---	---	1.5	---	---
4	0.68	---	---	0.76	---	---	1.6	---	---
5	0.63	---	---	0.80	---	---	2.3	---	---
6	0.63	---	---	0.82	---	---	2.5	---	---
7	0.59	---	---	0.87	---	---	1.9	---	---
8	0.64	---	---	0.94	---	---	1.7	---	---
9	2.1	---	---	0.96	---	---	1.8	---	---
10	1.2	---	---	0.96	---	---	3.9	---	---
11	0.87	---	---	0.97	---	---	2.6	---	---
12	0.77	---	---	0.97	---	---	23	---	---
13	0.70	---	---	1.0	---	---	26	---	---
14	0.67	---	---	1.0	---	---	4.2	---	---
15	0.63	---	---	1.0	---	---	2.6	---	---
16	0.64	---	---	1.0	---	---	2.4	---	---
17	0.64	---	---	0.99	---	---	2.1	---	---
18	0.64	---	---	1.0	---	---	2.3	---	---
19	0.68	---	---	1.1	---	---	2.2	---	---
20	0.71	---	---	3.6	---	---	2.4	---	---
21	0.69	---	---	1.9	---	---	3.4	---	---
22	0.69	---	---	1.3	---	---	3.2	---	---
23	0.67	---	---	1.3	---	---	2.5	---	---
24	0.69	---	---	2.3	---	---	2.4	---	---
25	0.70	---	---	2.2	---	---	2.4	---	---
26	0.75	---	---	2.2	---	---	2.4	---	---
27	0.75	---	---	1.6	---	---	2.4	---	---
28	0.98	---	---	1.4	---	---	2.3	---	---
29	0.62	---	---	1.3	---	---	2.5	---	---
30	0.59	---	---	1.2	---	---	2.6	---	---
31	0.68	---	---	---	---	---	2.6	---	---
		JANUARY			FEBRUARY			MARCH	
1	2.6	44	0.32	17	42	2.0	11	67	1.9
2	2.7	45	0.33	13	40	1.4	8.5	64	1.5
3	28	106	21.9	11	40	1.2	7.7	61	1.3
4	23	155	11.3	9.5	40	1.0	7.0	58	1.1
5	6.4	81	1.4	7.6	39	0.81	6.3	55	0.93
6	4.7	58	0.72	7.0	39	0.74	5.9	52	0.82
7	4.1	51	0.56	6.7	39	0.71	5.4	49	0.71
8	4.4	47	0.56	6.4	39	0.68	5.2	46	0.65
9	82	225	68.7	6.0	39	0.63	9.9	50	1.3
10	15	65	2.7	5.8	39	0.60	107	240	254
11	8.1	46	1.0	5.5	39	0.57	189	436	252
12	6.4	42	0.72	5.4	38	0.56	48	169	22.6
13	19	53	2.9	15	72	4.7	25	124	8.6
14	9.6	45	1.2	26	89	6.9	17	103	4.9
15	6.8	43	0.80	12	57	1.8	14	94	3.6
16	6.3	43	0.72	9.4	52	1.3	15	90	3.8
17	5.9	42	0.67	8.1	52	1.1	13	86	2.9
18	5.5	41	0.61	9.3	58	1.5	10	81	2.2
19	5.5	41	0.61	20	80	4.5	684	1510	3750
20	5.6	41	0.61	11	59	1.8	116	309	112
21	4.5	40	0.49	9.3	53	1.3	37	170	17.5
22	4.9	40	0.53	8.3	53	1.2	22	141	8.6
23	10	61	1.7	7.5	52	1.1	15	129	5.1
24	8.2	48	1.1	7.2	52	1.0	11	120	3.4
25	6.8	46	0.84	6.6	52	0.94	8.8	117	2.8
26	6.0	44	0.72	18	75	10.7	8.1	113	2.5
27	5.6	43	0.65	93	205	65.5	10	110	3.0
28	19	118	8.7	23	95	6.0	7.5	106	2.2
29	64	182	31.8	14	72	2.7	9.6	103	2.7
30	43	117	14.1	---	---	---	68	234	51.3
31	28	72	5.8	---	---	---	20	111	6.3

07282075 TOPASHAW CREEK CANAL NEAR HOHENLINDEN, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1999 TO SEPTEMBER 2000--Continued

DAY	APRIL MEAN DISCHARGE (CFS)	APRIL MEAN CONCEN-TRATION (MG/L)	APRIL SEDIMENT DISCHARGE (TONS/DAY)	MAY MEAN DISCHARGE (CFS)	MAY MEAN CONCEN-TRATION (MG/L)	MAY SEDIMENT DISCHARGE (TONS/DAY)	JUNE MEAN DISCHARGE (CFS)	JUNE MEAN CONCEN-TRATION (MG/L)	JUNE SEDIMENT DISCHARGE (TONS/DAY)
1	134	244	435	4.3	54	0.63	1.1	59	0.17
2	2940	2800	24000	4.1	51	0.57	0.96	52	0.14
3	2360	1890	15700	4.0	47	0.51	1.5	64	0.30
4	306	663	583	4.2	46	0.52	1.5	74	0.31
5	160	420	184	4.0	47	0.51	2.5	118	0.79
6	102	248	69.3	4.0	47	0.51	1.6	82	0.37
7	78	161	34.1	3.4	46	0.43	1.1	62	0.19
8	175	243	127	3.2	46	0.39	0.94	58	0.15
9	74	161	32.5	3.1	40	0.33	0.89	57	0.14
10	54	147	21.3	3.0	38	0.30	0.82	55	0.12
11	44	134	15.9	2.9	49	0.39	0.76	52	0.11
12	43	122	14.2	2.6	56	0.39	0.74	50	0.10
13	450	1010	1620	2.5	70	0.47	0.67	44	0.08
14	121	396	137	2.3	88	0.54	0.67	47	0.08
15	54	221	32.7	2.0	103	0.56	0.66	58	0.10
16	36	142	14.1	1.9	78	0.41	2.4	88	0.97
17	24	85	5.6	1.9	38	0.19	32	203	62.7
18	17	61	2.8	1.7	27	0.12	14	208	9.6
19	13	50	1.8	1.7	27	0.13	3.5	124	1.2
20	11	54	1.6	2.4	38	0.28	1.4	126	0.48
21	9.0	61	1.5	3.4	66	0.62	1.2	133	0.43
22	7.7	64	1.3	2.1	50	0.28	40	232	74.7
23	7.8	66	1.4	1.7	41	0.19	1.5	57	0.23
24	12	68	2.2	1.5	45	0.18	0.95	54	0.14
25	8.2	61	1.4	2.2	61	0.95	0.78	51	0.11
26	6.4	51	0.88	5.1	259	4.7	0.67	49	0.09
27	6.2	53	1.0	1.7	82	0.40	20	109	18.2
28	11	125	4.0	3.4	87	0.84	3.9	82	0.98
29	6.0	69	1.1	1.8	65	0.31	2.8	60	0.46
30	4.9	56	0.73	1.3	64	0.23	1.3	56	0.20
31	---	---	---	1.2	65	0.21	---	---	---

DAY	JULY MEAN DISCHARGE (CFS)	JULY MEAN CONCEN-TRATION (MG/L)	JULY SEDIMENT DISCHARGE (TONS/DAY)	AUGUST MEAN DISCHARGE (CFS)	AUGUST MEAN CONCEN-TRATION (MG/L)	AUGUST SEDIMENT DISCHARGE (TONS/DAY)	SEPTEMBER MEAN DISCHARGE (CFS)	SEPTEMBER MEAN CONCEN-TRATION (MG/L)	SEPTEMBER SEDIMENT DISCHARGE (TONS/DAY)
1	0.93	58	0.15	0.54	70	0.10	0.000	0.0	0.00
2	0.80	62	0.13	0.50	90	0.12	0.000	0.0	0.00
3	0.72	66	0.13	0.36	127	0.12	0.000	0.0	0.00
4	0.65	61	0.11	0.33	168	0.15	0.000	0.0	0.00
5	0.60	53	0.08	0.27	149	0.11	0.000	0.0	0.00
6	0.55	41	0.06	0.22	106	0.06	0.000	0.0	0.00
7	0.51	45	0.06	0.19	71	0.04	0.000	0.0	0.00
8	0.50	48	0.06	0.16	151	0.06	0.050	92	0.01
9	0.48	48	0.06	0.13	263	0.09	0.23	81	0.05
10	0.47	48	0.06	0.10	225	0.06	0.20	62	0.03
11	0.47	48	0.06	0.080	137	0.03	0.20	45	0.02
12	0.48	47	0.06	0.060	112	0.02	0.25	39	0.03
13	0.46	43	0.05	0.050	113	0.02	0.31	37	0.03
14	0.58	37	0.06	0.030	114	0.01	0.24	41	0.03
15	0.48	36	0.05	0.020	93	0.00	0.20	48	0.03
16	0.41	35	0.04	0.010	60	0.00	0.16	52	0.02
17	0.40	35	0.04	0.000	56	0.00	0.14	54	0.02
18	0.40	38	0.04	0.000	61	0.00	0.13	50	0.02
19	0.42	194	0.22	0.000	56	0.00	0.13	38	0.01
20	0.40	276	0.30	0.000	46	0.00	0.15	38	0.01
21	0.35	105	0.10	0.000	36	0.00	0.26	46	0.03
22	0.36	57	0.06	0.000	37	0.00	0.32	57	0.05
23	0.32	46	0.04	0.000	42	0.00	0.27	60	0.04
24	0.33	36	0.03	0.000	43	0.00	0.26	59	0.04
25	0.34	34	0.03	0.000	43	0.00	0.38	58	0.06
26	0.31	37	0.03	0.000	---	0.00	0.28	52	0.04
27	0.32	51	0.04	0.000	---	0.00	0.23	46	0.03
28	0.43	176	0.24	0.000	---	0.00	0.20	45	0.02
29	0.45	190	0.26	0.000	0.0	0.00	0.18	47	0.02
30	0.47	96	0.12	0.000	0.0	0.00	0.16	48	0.02
31	0.50	63	0.08	0.000	0.0	0.00	---	---	---

07282075 TOPASHAW CREEK CANAL NEAR HOHENLINDEN, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		OCTOBER			NOVEMBER			DECEMBER	
1	0.13	49	0.02	0.32	57	0.05	3.6	47	0.45
2	0.13	50	0.02	0.34	57	0.05	3.3	47	0.41
3	0.16	53	0.02	0.37	56	0.06	2.9	48	0.38
4	0.14	57	0.02	0.45	56	0.07	2.7	48	0.34
5	0.11	69	0.02	0.48	56	0.07	2.8	48	0.36
6	0.15	81	0.03	0.53	55	0.08	2.7	49	0.36
7	0.13	77	0.03	0.54	55	0.08	2.5	50	0.34
8	0.16	66	0.03	113	264	365	2.4	50	0.32
9	0.15	57	0.02	120	363	250	2.3	51	0.32
10	0.14	64	0.02	0.87	150	0.36	2.3	51	0.32
11	0.16	76	0.03	0.37	122	0.13	2.2	52	0.31
12	0.16	71	0.03	0.29	106	0.08	2.7	52	0.37
13	0.16	60	0.03	0.28	93	0.07	70	254	119
14	0.16	55	0.02	0.24	90	0.06	58	123	24.7
15	0.15	52	0.02	0.22	87	0.05	125	329	285
16	0.16	49	0.02	2.3	85	0.54	310	688	822
17	0.15	62	0.02	0.96	83	0.22	105	158	52.2
18	0.14	78	0.03	0.36	81	0.08	48	62	8.2
19	0.15	80	0.03	0.46	78	0.10	31	53	4.4
20	0.15	77	0.03	0.37	76	0.08	38	156	19.2
21	0.15	74	0.03	0.27	74	0.05	18	66	3.2
22	0.16	71	0.03	0.24	73	0.05	15	74	3.4
23	0.16	68	0.03	0.24	71	0.05	23	95	7.1
24	0.15	64	0.03	499	1310	2990	8.5	49	1.1
25	0.15	61	0.02	101	263	109	6.8	42	0.77
26	0.16	60	0.03	18	103	5.0	6.4	36	0.62
27	0.17	60	0.03	7.8	73	1.5	128	402	207
28	0.18	59	0.03	5.6	48	0.72	74	127	27.4
29	0.23	59	0.04	5.3	46	0.65	35	60	5.9
30	0.33	58	0.05	4.2	46	0.52	33	98	10.2
31	0.31	58	0.05	---	---	---	36	101	12.4
		JANUARY			FEBRUARY			MARCH	
1	15	45	1.9	37	56	5.7	129	301	109
2	33	94	10.5	29	44	3.5	206	503	418
3	19	39	2.0	23	41	2.5	530	838	1250
4	12	35	1.2	19	37	2.0	209	269	168
5	14	35	1.3	16	34	1.5	104	83	24.2
6	9.1	36	0.89	15	34	1.3	73	58	11.4
7	39	127	23.8	13	36	1.2	56	50	7.6
8	69	127	25.6	12	37	1.2	45	49	5.9
9	31	60	5.1	25	162	20.6	38	49	5.0
10	22	48	2.9	48	280	37.3	32	49	4.2
11	50	125	23.7	28	218	16.9	27	49	3.6
12	63	127	22.4	1430	1300	7300	746	841	2770
13	36	96	9.5	786	868	1960	259	262	204
14	55	163	24.9	255	294	216	162	126	79.8
15	44	82	10.0	144	132	54.3	754	964	2500
16	29	47	3.8	1150	842	6010	179	237	120
17	90	141	44.3	348	532	484	101	145	39.4
18	2310	2100	16600	148	222	91.7	80	125	26.9
19	2340	2210	15700	102	122	33.6	66	104	18.7
20	227	689	443	76	88	18.2	131	172	73.8
21	137	364	136	55	59	8.8	128	125	45.0
22	92	245	61.1	42	54	6.1	81	61	13.4
23	73	175	34.7	33	53	4.8	63	46	7.9
24	61	129	21.3	29	54	4.2	52	43	6.0
25	47	109	13.7	85	109	27.5	40	39	4.2
26	39	96	10.0	41	60	6.6	33	35	3.1
27	33	90	8.0	414	950	1920	29	31	2.4
28	28	83	6.4	322	792	752	26	28	1.9
29	108	391	220	---	---	---	26	29	2.0
30	118	410	144	---	---	---	34	30	2.8
31	56	127	20.0	---	---	---	29	32	2.5

07282075 TOPASHAW CREEK CANAL NEAR HOHENLINDEN, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2000 TO SEPTEMBER 2001--Continued

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		APRIL			MAY			JUNE	
1	25	34	2.3	6.4	28	0.48	271	526	640
2	20	35	1.9	5.9	29	0.46	78	186	62.5
3	21	37	2.1	5.0	31	0.41	44	107	14.4
4	92	118	65.7	4.6	33	0.41	67	176	70.4
5	123	120	43.0	4.5	34	0.42	180	242	145
6	59	85	13.6	4.5	36	0.44	57	236	44.7
7	37	70	7.0	4.3	38	0.44	169	373	185
8	30	54	4.3	4.0	40	0.43	94	103	29.7
9	24	40	2.6	4.1	42	0.47	59	111	19.8
10	19	38	2.0	4.5	44	0.53	20	69	3.9
11	16	38	1.6	4.0	42	0.45	12	55	1.8
12	29	117	11.0	3.6	40	0.39	9.2	44	1.1
13	54	129	19.5	3.4	38	0.35	7.3	43	0.85
14	58	99	23.7	3.1	36	0.30	6.2	43	0.72
15	876	796	2740	3.0	34	0.28	5.5	43	0.63
16	149	212	89.8	2.9	34	0.27	4.8	42	0.55
17	72	147	28.8	2.7	35	0.25	4.2	42	0.48
18	51	100	13.9	2.7	35	0.25	3.9	42	0.44
19	40	70	7.6	2.6	35	0.25	3.6	42	0.41
20	31	46	3.8	2.7	35	0.25	3.4	42	0.39
21	25	35	2.3	14	83	6.0	3.4	43	0.39
22	19	32	1.7	30	71	8.3	18	79	6.5
23	16	32	1.5	4.6	42	0.52	4.8	66	0.86
24	69	81	16.8	15	70	3.3	3.5	56	0.53
25	24	46	3.1	4.8	63	0.81	3.1	52	0.44
26	15	43	1.8	3.4	60	0.56	2.9	48	0.37
27	12	40	1.3	3.1	58	0.48	260	431	870
28	9.5	37	0.95	3.8	55	0.56	17	79	4.1
29	8.0	34	0.73	3.8	52	0.54	6.7	67	1.2
30	6.9	30	0.57	3.1	52	0.44	4.5	63	0.77
31	---	---	---	28	357	32.6	---	---	---
		JULY			AUGUST			SEPTEMBER	
1	4.0	59	0.64	2.7	61	0.45	2.9	65	0.51
2	3.5	55	0.52	1.3	59	0.20	60	228	70.8
3	3.0	51	0.42	1.1	58	0.18	9.2	81	2.2
4	3.3	47	0.42	1.0	57	0.16	4.4	59	0.70
5	2.7	44	0.32	1.2	56	0.18	3.4	48	0.44
6	2.6	44	0.31	2.6	55	0.39	2.9	48	0.37
7	2.3	45	0.28	2.5	53	0.36	2.8	49	0.37
8	2.1	47	0.26	1.5	52	0.21	2.5	51	0.34
9	1.9	48	0.25	35	251	48.4	2.2	53	0.31
10	1.8	49	0.23	5.9	170	2.6	1.9	54	0.27
11	1.8	49	0.24	2.9	88	0.71	1.6	56	0.24
12	37	119	30.1	2.1	52	0.30	1.5	58	0.24
13	9.2	71	2.1	7.0	57	1.8	1.5	59	0.23
14	3.0	55	0.45	2.8	50	0.39	1.3	57	0.20
15	2.1	51	0.29	1.7	45	0.20	1.2	56	0.18
16	1.8	47	0.24	1.4	45	0.16	1.0	54	0.15
17	1.7	45	0.21	1.2	45	0.15	0.99	53	0.14
18	1.7	45	0.21	1.3	45	0.16	1.1	51	0.15
19	1.5	47	0.19	4.1	52	0.81	1.3	50	0.17
20	1.4	48	0.18	2.8	77	0.59	1.2	48	0.16
21	1.8	49	0.24	1.5	78	0.30	1.1	46	0.14
22	2.4	51	0.32	1.3	80	0.28	0.91	45	0.11
23	1.5	52	0.21	1.2	81	0.27	0.82	43	0.09
24	1.4	53	0.20	1.1	83	0.24	0.77	41	0.09
25	1.3	54	0.18	1.00	85	0.23	0.75	40	0.08
26	1.1	56	0.17	0.95	87	0.22	0.63	38	0.07
27	1.2	57	0.18	0.96	88	0.23	0.62	39	0.07
28	11	79	6.0	1.2	89	0.28	0.57	40	0.06
29	7.3	87	2.0	1.3	84	0.29	0.61	41	0.07
30	2.0	64	0.34	2.1	78	0.44	0.57	42	0.06
31	1.7	62	0.29	2.4	71	0.46	---	---	---

07282075 TOPASHAW CREEK CANAL NEAR HOHENLINDEN, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

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	0.51	44	0.06	1.00	101	0.28	75	157	32.4
2	0.47	46	0.06	1.0	92	0.26	46	101	12.7
3	0.43	48	0.06	1.1	80	0.23	29	78	6.1
4	0.43	47	0.05	1.1	69	0.21	19	75	3.8
5	0.54	46	0.07	1.2	58	0.18	15	72	2.8
6	1.6	45	0.19	1.3	48	0.16	12	69	2.2
7	0.86	43	0.10	1.1	45	0.13	12	66	2.1
8	0.63	42	0.07	1.0	45	0.12	12	63	2.0
9	0.60	41	0.07	1.0	44	0.12	10	60	1.7
10	0.60	40	0.06	1.0	43	0.12	8.6	57	1.3
11	6.9	40	0.74	1.1	42	0.12	7.7	54	1.1
12	3.5	39	0.37	1.1	42	0.12	12	49	1.5
13	546	593	2530	1.1	41	0.13	2400	1060	11200
14	43	185	33.3	1.2	43	0.14	1110	543	3620
15	4.1	93	1.0	1.3	44	0.15	57	106	17.1
16	2.0	80	0.43	1.3	45	0.15	25	71	4.9
17	1.5	67	0.27	1.3	47	0.16	146	468	273
18	1.4	56	0.20	1.3	48	0.17	47	160	22.6
19	1.3	58	0.20	1.3	50	0.17	21	87	5.0
20	1.2	62	0.20	1.3	51	0.18	11	75	2.2
21	1.1	66	0.20	1.4	51	0.19	7.2	64	1.3
22	1.0	70	0.19	1.4	51	0.20	6.1	54	0.91
23	1.0	74	0.21	1.5	51	0.21	418	387	755
24	1.1	78	0.23	3.4	51	0.47	54	120	18.1
25	2.3	82	0.51	2.3	51	0.32	29	87	6.8
26	1.3	85	0.30	1.6	51	0.22	19	66	3.5
27	1.0	88	0.25	43	297	56.9	15	48	1.9
28	0.99	91	0.25	11	99	2.9	11	44	1.3
29	0.99	94	0.26	2090	1010	9350	8.6	43	1.00
30	0.97	97	0.26	179	368	200	6.4	43	0.74
31	0.99	101	0.27	---	---	---	5.7	42	0.65
		JANUARY			FEBRUARY			MARCH	
1	5.1	41	0.57	99	85	26.3	19	44	2.2
2	4.7	41	0.52	48	50	6.4	18	42	2.1
3	4.2	40	0.46	38	49	5.1	16	40	1.7
4	5.0	40	0.54	32	49	4.3	13	38	1.4
5	3.7	40	0.40	27	49	3.5	14	38	1.5
6	42	40	4.6	444	945	1660	13	39	1.4
7	37	40	4.0	160	190	91.0	14	40	1.5
8	17	40	1.8	90	97	24.0	13	40	1.4
9	12	40	1.2	68	79	14.5	58	60	9.4
10	8.9	38	0.93	55	71	10.6	38	45	4.6
11	7.3	37	0.72	43	63	7.3	26	42	3.2
12	5.8	35	0.55	37	55	5.5	297	389	403
13	5.1	33	0.46	32	48	4.1	114	113	35.6
14	4.8	32	0.41	28	41	3.1	72	85	16.6
15	3.8	31	0.31	26	41	2.9	52	69	9.8
16	3.5	33	0.31	24	41	2.6	305	196	225
17	3.5	36	0.34	21	40	2.3	577	608	2810
18	3.6	38	0.38	19	40	2.0	474	525	954
19	23	41	2.6	19	45	2.6	164	253	113
20	15	44	1.8	262	286	275	936	685	3690
21	9.0	47	1.1	73	89	17.9	540	420	1040
22	119	251	590	45	65	8.0	146	132	53.0
23	546	825	1720	35	62	5.9	102	96	26.5
24	2940	1400	15300	29	58	4.6	77	80	16.8
25	423	693	876	40	55	5.9	60	71	11.5
26	150	171	71.7	34	51	4.7	141	199	82.4
27	87	116	27.5	22	48	2.8	83	142	32.2
28	73	98	19.2	19	46	2.4	59	117	18.6
29	68	84	15.4	---	---	---	45	93	11.3
30	53	70	10.1	---	---	---	908	736	2030
31	43	68	8.8	---	---	---	1410	1030	5310

07282075 TOPASHAW CREEK CANAL NEAR HOHENLINDEN, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DAY	APRIL MEAN DISCHARGE (CFS)	APRIL MEAN CONCENTRATION (MG/L)	APRIL SEDIMENT DISCHARGE (TONS/DAY)	MAY MEAN DISCHARGE (CFS)	MAY MEAN CONCENTRATION (MG/L)	MAY SEDIMENT DISCHARGE (TONS/DAY)	JUNE MEAN DISCHARGE (CFS)	JUNE MEAN CONCENTRATION (MG/L)	JUNE SEDIMENT DISCHARGE (TONS/DAY)
1	216	251	153	9.0	42	1.0	3.7	67	0.67
2	128	156	54.1	8.0	41	0.89	3.2	67	0.57
3	91	140	34.5	27	41	3.0	2.8	66	0.50
4	73	129	25.5	312	474	755	2.6	66	0.46
5	64	118	20.3	57	87	14.0	2.4	66	0.43
6	60	107	17.1	32	55	4.9	2.3	66	0.42
7	57	96	14.6	19	49	2.5	2.2	67	0.39
8	705	885	3640	14	46	1.7	2.1	67	0.37
9	349	625	679	13	43	1.5	2.2	67	0.40
10	135	168	62.3	191	331	350	13	114	6.6
11	93	110	27.8	53	99	14.4	2.9	118	0.94
12	72	96	18.8	26	84	5.8	2.3	97	0.61
13	60	85	13.8	22	71	4.2	2.2	89	0.53
14	48	73	9.4	15	58	2.3	2.6	82	0.58
15	38	61	6.2	11	46	1.3	2.1	75	0.43
16	30	49	4.0	8.3	45	1.0	1.8	67	0.34
17	25	37	2.5	12	47	1.5	1.7	60	0.28
18	19	27	1.4	16	48	2.1	1.6	53	0.23
19	17	27	1.2	7.7	49	1.0	1.5	46	0.18
20	15	30	1.2	6.5	51	0.89	1.7	45	0.20
21	13	33	1.1	6.0	52	0.83	1.4	44	0.16
22	13	35	1.2	5.3	50	0.71	1.3	43	0.15
23	11	38	1.1	4.8	48	0.62	2.8	42	0.32
24	9.9	40	1.1	4.4	45	0.54	65	146	119
25	20	40	2.1	4.2	43	0.50	9.5	117	3.4
26	17	41	1.9	9.5	46	1.4	1.9	97	0.50
27	20	41	2.2	5.1	55	0.74	1.4	89	0.32
28	13	41	1.4	4.6	61	0.75	1.2	81	0.26
29	10	42	1.1	5.0	67	0.90	1.2	73	0.23
30	9.1	42	1.0	4.3	68	0.78	1.5	65	0.26
31	---	---	---	5.7	67	1.0	---	---	---

DAY	JULY MEAN DISCHARGE (CFS)	JULY MEAN CONCENTRATION (MG/L)	JULY SEDIMENT DISCHARGE (TONS/DAY)	AUGUST MEAN DISCHARGE (CFS)	AUGUST MEAN CONCENTRATION (MG/L)	AUGUST SEDIMENT DISCHARGE (TONS/DAY)	SEPTEMBER MEAN DISCHARGE (CFS)	SEPTEMBER MEAN CONCENTRATION (MG/L)	SEPTEMBER SEDIMENT DISCHARGE (TONS/DAY)
1	1.3	57	0.19	2.1	55	0.31	0.44	59	0.07
2	206	365	1210	1.8	54	0.27	0.42	56	0.06
3	76	216	125	1.6	54	0.23	0.42	53	0.06
4	10	55	2.4	1.4	54	0.20	0.42	51	0.06
5	4.9	68	0.89	1.4	54	0.21	0.38	48	0.05
6	1.9	68	0.35	1.2	54	0.18	0.36	46	0.05
7	1.4	69	0.25	1.3	54	0.19	0.38	44	0.04
8	1.1	69	0.21	1.1	54	0.16	0.40	42	0.05
9	1.0	69	0.19	0.99	54	0.15	0.39	40	0.04
10	0.99	66	0.18	0.91	56	0.14	0.42	38	0.04
11	0.96	63	0.16	0.84	59	0.13	0.42	39	0.04
12	94	184	178	0.79	61	0.13	0.43	40	0.05
13	14	77	3.3	0.82	63	0.14	0.42	41	0.05
14	16	80	9.4	0.92	55	0.14	0.44	42	0.05
15	34	102	13.2	13	49	1.8	0.45	44	0.05
16	4.3	76	0.89	3.6	32	0.30	0.46	45	0.06
17	2.6	62	0.44	0.92	34	0.08	0.58	46	0.07
18	2.2	49	0.29	0.76	37	0.08	0.55	47	0.07
19	11	60	3.9	0.66	39	0.07	0.54	48	0.07
20	7.0	55	1.0	0.62	42	0.07	0.58	50	0.08
21	3.7	48	0.48	0.61	45	0.07	0.89	53	0.13
22	16	61	5.3	0.56	47	0.07	0.70	55	0.10
23	27	110	12.5	1.1	48	0.15	0.57	57	0.09
24	132	320	194	0.90	50	0.12	0.50	60	0.09
25	8.6	123	3.0	10	79	3.3	1.9	63	0.50
26	4.4	84	1.0	0.93	84	0.21	2740	773	8580
27	3.5	73	0.68	0.60	76	0.12	449	387	691
28	2.8	69	0.53	0.53	71	0.10	68	69	13.4
29	2.4	65	0.42	0.46	67	0.08	32	45	3.9
30	3.3	62	0.54	0.44	64	0.08	18	39	1.9
31	3.2	58	0.50	0.45	61	0.08	---	---	---

07282090 TOPASHAW CREEK CANAL NEAR DERMA, MS

LOCATION.--Lat 33°46’47", long 89°14’49", in NE¼NE¼ sec.16, T.22 N., R.10 E., Choctaw Meridian, Calhoun County, Hydrologic Unit 08030205, on right bank at upstream side of bridge on county road, 5.8 mi south of Derma, 0.5 mi upstream from Bear Creek, and 1.4 mi below Buck Creek.

DRAINAGE AREA.--63 mi^2, approximately.

PERIOD OF RECORD.--Water year 1999

PERIOD OF DAILY RECORD.--
DISCHARGE: May 1998 to current year.
SUSPENDED SEDIMENT CONCENTRATION: May 1998 to current year.
SUSPENDED SEDIMENT DISCHARGE: May 1998 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is assumed. Automatic pumping sediment sampler since March 2002.

REMARKS.--Estimated daily discharge: Oct. 19-24, Nov 19-20, 22-24, Dec. 7-12, Apr. 25-29, July 18-19, Aug. 8, 9, 11-15, Sept. 25. Discharge records good except for estimated daily discharges, which are poor. Satellite telemeter at station. Flow intermingles with Bear Creek when stage is above bank full. Channel rectification was completed in 1967.

EXTREMES FOR PERIOD OF DAILY RECORD.--
DISCHARGE: Maximum, 11,000 ft^3/s, June 27, 1999, maximum gage height, 31.14 ft, June 27, 1999; minimum daily mean, 0.00 ft^3/s, Aug. 22-Sept. 8, 2000.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 2,240 mg/L, Jan. 22, 1999; minimum daily mean, 0 mg/L, , Aug. 31, 2000.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 39,100 tons, Jan. 19, 2001; minimum daily, 0.00 ton, Aug. 21-Sept. 8, 2000.

EXTREMES FOR CURRENT YEAR.--
DISCHARGE: Maximum, 10,700 ft^3/s, Dec. 13, Jan. 24, maximum gage height, 30.93 ft, Jan. 24; minimum daily mean, 0.39 ft^3/s, Sept. 12, 13.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,620 mg/L, Apr. 9; minimum daily mean, 20 mg/L, Nov. 12-13.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 23,900 tons, Jan. 24; minimum daily, 0.03 ton, Sept. 13.

07282090 TOPASHAW CREEK CANAL NEAR DERMA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

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	0.98	39	0.10	2.8	45	0.34	82	150	34.6
2	0.93	40	0.10	2.8	41	0.31	50	96	13.1
3	0.90	41	0.10	2.8	38	0.29	29	83	6.4
4	0.89	43	0.10	2.6	36	0.25	20	81	4.5
5	1.0	46	0.13	2.5	33	0.22	17	79	3.7
6	2.6	49	0.35	2.4	30	0.20	14	77	2.9
7	1.9	52	0.27	2.7	29	0.21	13	76	2.7
8	1.2	54	0.18	2.4	27	0.18	14	74	2.8
9	0.98	57	0.16	2.5	25	0.17	13	72	2.5
10	0.97	60	0.16	2.4	24	0.15	12	70	2.3
11	15	63	2.8	2.5	22	0.15	8.6	69	1.6
12	20	61	3.4	2.4	20	0.13	26	302	21.2
13	683	667	2550	2.3	20	0.13	3510	1090	13200
14	146	296	150	2.3	24	0.15	2850	813	8060
15	21	106	6.5	2.4	29	0.18	229	271	174
16	8.7	81	1.9	2.3	34	0.21	128	206	71.4
17	6.0	60	0.98	2.3	38	0.24	430	623	933
18	5.3	42	0.61	2.3	43	0.26	179	274	140
19	4.8	40	0.52	2.3	48	0.29	106	196	56.3
20	4.6	40	0.50	2.3	52	0.32	76	172	35.3
21	4.4	41	0.48	2.5	52	0.35	63	160	27.4
22	4.2	41	0.46	2.5	51	0.34	56	151	23.0
23	4.0	41	0.44	2.6	51	0.36	832	462	1300
24	4.7	50	0.63	10	51	1.4	132	189	69.6
25	9.9	122	3.3	9.9	51	1.3	76	122	25.2
26	6.1	125	2.1	6.3	50	0.86	59	91	14.5
27	4.0	111	1.2	130	487	262	49	63	8.4
28	3.4	98	0.89	57	123	19.5	43	58	6.6
29	3.1	84	0.70	3590	827	12300	36	57	5.6
30	2.9	71	0.56	368	358	433	30	57	4.6
31	3.0	57	0.46	---	---	---	28	56	4.2
		JANUARY			FEBRUARY			MARCH	
1	26	55	3.9	123	77	25.4	26	57	3.9
2	24	55	3.6	62	75	12.6	25	51	3.4
3	23	54	3.3	51	74	10.2	22	44	2.7
4	21	54	3.1	45	73	8.9	17	39	1.8
5	21	57	3.2	38	72	7.4	17	39	1.8
6	111	141	43.9	667	923	2100	16	40	1.8
7	90	127	31.2	214	399	248	16	41	1.8
8	57	98	15.2	97	233	61.7	16	42	1.8
9	47	90	11.5	70	146	27.8	71	131	32.1
10	40	82	9.0	56	102	15.7	50	108	15.1
11	36	74	7.1	44	80	9.4	36	91	8.9
12	31	65	5.5	37	72	7.3	467	684	1090
13	28	57	4.3	32	64	5.6	145	388	153
14	26	48	3.4	27	58	4.2	86	239	56.2
15	22	41	2.5	26	54	3.7	66	201	36.1
16	20	40	2.2	23	50	3.2	579	426	868
17	20	41	2.2	21	46	2.6	509	404	1160
18	21	41	2.4	18	43	2.1	777	755	1880
19	61	97	19.2	18	41	2.0	183	393	198
20	56	102	15.9	386	291	367	1080	1120	6080
21	41	75	8.4	86	162	38.3	1040	1220	4440
22	107	161	250	54	124	18.1	184	482	244
23	835	983	3340	43	100	11.7	129	309	109
24	5070	1210	23900	36	95	9.3	102	256	70.7
25	1050	1010	3260	43	125	16.0	86	222	51.5
26	223	406	255	42	101	11.6	169	446	219
27	125	188	64.8	31	71	6.0	117	320	102
28	95	131	33.6	27	63	4.6	87	281	65.9
29	80	107	23.2	---	---	---	72	244	47.5
30	69	84	15.5	---	---	---	1290	1110	4080
31	57	78	12.1	---	---	---	2060	1210	7650

07282090 TOPASHAW CREEK CANAL NEAR DERMA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
	APRIL			MAY			JUNE		
1	296	410	345	17	92	4.1	7.3	72	1.4
2	151	239	98.1	15	89	3.6	4.8	54	0.71
3	106	201	57.5	49	162	22.4	4.0	50	0.54
4	82	180	39.7	439	851	1490	3.6	47	0.46
5	68	172	31.6	69	210	41.7	3.3	46	0.41
6	60	170	27.7	38	115	11.9	3.0	47	0.38
7	57	167	25.7	22	100	6.0	2.9	47	0.37
8	748	1280	6300	15	95	3.8	2.7	47	0.34
9	573	1620	2980	14	90	3.4	3.5	48	0.45
10	134	336	128	323	567	906	21	130	12.7
11	87	177	42.1	73	219	46.3	10	136	4.0
12	71	133	25.5	35	123	11.6	5.5	102	1.5
13	62	102	17.1	43	254	32.7	4.3	96	1.1
14	53	82	11.8	25	153	10.6	5.5	90	1.3
15	47	78	9.9	16	70	3.2	4.9	83	1.1
16	40	74	7.9	13	88	3.6	3.8	77	0.79
17	35	69	6.6	24	151	13.1	3.3	71	0.64
18	30	65	5.4	34	179	17.3	3.0	65	0.53
19	26	64	4.5	16	107	4.6	2.7	60	0.43
20	23	62	3.9	11	86	2.6	2.7	60	0.44
21	20	61	3.3	9.5	72	1.8	2.4	60	0.39
22	20	60	3.2	7.9	66	1.4	2.4	61	0.39
23	18	58	2.8	7.2	62	1.2	5.9	75	1.7
24	15	58	2.4	6.6	59	1.1	73	250	120
25	36	132	12.8	6.1	55	0.91	42	295	44.2
26	29	125	9.8	10	83	3.3	20	252	17.0
27	36	152	14.8	10	97	2.8	15	165	8.2
28	20	115	5.5	8.3	71	1.6	4.9	136	1.9
29	16	103	4.2	9.7	63	1.7	3.2	94	0.81
30	16	95	4.0	9.5	61	1.6	2.7	77	0.58
31	---	---	---	12	88	3.0	---	---	---
	JULY			AUGUST			SEPTEMBER		
1	3.2	61	0.53	5.3	78	1.2	1.0	40	0.11
2	107	123	152	2.3	62	0.39	1.0	38	0.10
3	201	261	211	1.8	57	0.28	0.92	36	0.09
4	17	127	7.0	1.5	52	0.22	0.80	34	0.07
5	14	157	7.3	1.6	47	0.20	0.59	32	0.05
6	4.0	92	1.0	1.6	42	0.18	0.50	32	0.04
7	2.5	72	0.49	1.6	37	0.16	0.50	32	0.04
8	1.9	59	0.30	1.4	32	0.12	0.49	33	0.04
9	1.6	47	0.21	1.1	28	0.08	0.62	33	0.06
10	1.6	46	0.20	1.0	31	0.09	0.49	33	0.04
11	1.6	46	0.20	0.98	35	0.09	0.42	33	0.04
12	117	170	129	0.98	39	0.10	0.39	33	0.04
13	37	145	17.1	1.0	42	0.11	0.39	33	0.03
14	43	139	20.0	1.1	43	0.13	0.51	33	0.05
15	65	119	23.9	14	62	2.3	0.47	33	0.04
16	14	66	2.6	29	85	8.2	2.0	46	0.46
17	6.4	60	1.0	4.9	68	0.89	2.4	46	0.31
18	3.9	60	0.63	2.2	65	0.39	1.1	41	0.12
19	15	101	8.2	2.6	62	0.44	0.78	37	0.08
20	20	140	8.2	2.5	59	0.39	0.99	41	0.11
21	17	132	6.2	1.5	56	0.22	29	78	8.2
22	21	136	9.0	1.2	54	0.18	7.8	68	1.6
23	72	116	22.6	49	100	30.9	2.7	48	0.36
24	270	466	401	23	94	7.2	1.4	42	0.16
25	29	191	16.3	79	132	41.9	24	146	9.5
26	7.7	122	2.6	19	79	4.5	4440	862	15000
27	4.1	88	1.00	3.3	56	0.50	1230	663	3130
28	2.8	78	0.60	1.9	51	0.26	78	163	37.7
29	2.2	74	0.44	1.4	46	0.17	40	69	7.6
30	2.0	72	0.38	1.1	44	0.14	25	50	3.4
31	12	119	4.4	1.1	42	0.12	---	---	---

07283000 SKUNA RIVER AT BRUCE, MS
(National Water-Quality Assessment station)

LOCATION.--Lat 33°58'25", long 89°20'52", in SW1/4 SW1/4 sec.6, T.13 S., R.1 W., Chickasaw Meridian, Calhoun County, Hydrologic Unit 08030205, on left bank on downstream side of bridge on State Highway 9, 1.0 mi south of Bruce.

DRAINAGE AREA.--254 mi^2.

PERIOD OF RECORD.--October 1947 to current year. Prior to March 1948 monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WSP 1920: 1958(P), 1959-60(M).

GAGE.--Water-stage recorder. Datum of gage is 228.45 ft above NGVD of 1929 (levels U. S. Army Corps of Engineers). Prior to Jan. 1, 1972, at datum 10.30 ft higher. October 1947 to Aug. 30, 1948, nonrecording gage, Aug. 31, 1948 to Mar. 23, 1955, water-stage recorder, and Mar. 24, 1955 to Sept. 12, 1958, nonrecording gage at same site.

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

EXTREMES FOR CURRENT YEAR.-- Peak discharges greater than base discharge of 11,000 ft^3/s (revised) and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 29	1745	*33,100	*30.24	Mar. 30	1915	12,600	21.58
Dec. 14	0200	31,000	29.56	Mar. 31	1045	18,600	24.71
Jan. 23	0930	15,600	23.24	May 3	1815	27,900	28.48
Jan. 24	1945	29,800	29.14	Sep. 26	2345	22,900	26,57
Mar. 16	1015	14,400	22.62				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.9	14	909	60	284	66	1740	972	192	52	18	8.6
2	7.6	15	523	54	194	64	665	166	118	29	17	8.1
3	7.6	14	387	51	145	61	435	16700	85	107	16	7.9
4	7.6	13	312	44	153	49	328	13900	67	52	14	7.7
5	8.1	12	262	44	120	48	264	1460	55	30	13	7.2
6	11	12	200	1180	2550	51	217	679	53	21	13	7.6
7	10	13	162	597	1070	60	187	463	48	18	14	7.9
8	9.3	13	222	266	348	72	1210	369	54	16	12	7.9
9	8.6	13	345	164	215	191	3080	342	69	17	11	7.8
10	8.2	13	170	115	153	308	531	2310	49	25	11	7.6
11	13	13	112	109	113	136	317	1050	88	19	11	7.1
12	30	13	214	87	88	1580	241	426	47	16	11	7.2
13	2520	14	9010	67	73	660	195	306	37	71	10	7.5
14	3010	14	15800	56	61	309	159	236	33	49	12	7.5
15	384	14	1190	45	56	201	131	178	33	60	16	7.5
16	134	14	536	38	53	6990	107	147	32	26	95	6.8
17	64	15	2140	37	48	1590	90	141	32	20	75	8.5
18	44	15	874	56	44	3090	79	253	31	17	29	13
19	34	16	409	4600	45	841	69	152	26	15	17	12
20	29	16	264	1260	5110	2870	59	108	24	20	14	10
21	26	16	190	402	640	3250	52	92	23	18	12	14
22	23	16	156	272	271	544	63	82	21	40	10	13
23	20	17	4710	9080	169	340	52	76	21	59	9.7	10
24	18	65	794	16100	122	258	44	71	44	384	9.6	8.4
25	17	109	342	9060	95	205	49	67	35	128	10	18
26	29	48	219	983	118	397	121	66	154	53	11	8110
27	22	851	158	516	95	320	243	190	51	33	9.8	9490
28	17	2350	124	372	73	208	99	166	35	25	9.0	600
29	15	17700	99	299	---	162	61	1550	41	20	8.9	236
30	14	8810	76	245	---	4850	118	1780	105	18	9.7	118
31	13	---	66	203	---	12100	---	454	---	31	9.0	---
TOTAL	6561.9	30258	40975	46462	12506	41871	11006	44952	1703	1489	537.7	18782.8
MEAN	211.7	1009	1322	1499	446.6	1351	366.9	1450	56.77	48.03	17.35	626.1
MAX	3010	17700	15800	16100	5110	12100	3080	16700	192	384	95	9490
MIN	7.6	12	66	37	44	48	44	66	21	15	8.9	6.8
CFSM	0.83	3.97	5.20	5.90	1.76	5.32	1.44	5.71	0.22	0.19	0.07	2.46
IN.	0.96	4.43	6.00	6.80	1.83	6.13	1.61	6.58	0.25	0.22	0.08	2.75

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1948 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	48.23	251.8	510.3	633.8	744.6	849.7	643.8	363.6	222.0	96.30	61.05	82.92
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 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1948 - 2002	
ANNUAL TOTAL	184951.6		257104.4			
ANNUAL MEAN	506.7		704.4		373.7	
HIGHEST ANNUAL MEAN					767	1991
LOWEST ANNUAL MEAN					74.6	1981
HIGHEST DAILY MEAN	17700	Nov 29	17700	Nov 29	35100	Dec 26 1982
LOWEST DAILY MEAN	7.6	Oct 2	6.8	Sep 16	1.0	Aug 18 1954
ANNUAL SEVEN-DAY MINIMUM	7.7	Sep 28	7.3	Sep 10	1.1	Aug 14 1954
MAXIMUM PEAK FLOW			33100	Nov 29	61400	Mar 21 1955
MAXIMUM PEAK STAGE			30.24	Nov 29	34.41	Mar 21 1955
ANNUAL RUNOFF (CFSM)	1.99		2.77		1.47	
ANNUAL RUNOFF (INCHES)	27.09		37.65		19.99	
10 PERCENT EXCEEDS	845		1180		732	
50 PERCENT EXCEEDS	56		64		45	
90 PERCENT EXCEEDS	9.5		10		7.0	

07285500 YALOBUSHA RIVER AT GRENADA,MS

LOCATION.--Lat 33°47′16", long 89°48′35",in SW1/4 NE1/4 sec. 7, T.22 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, on downstream left bridge seat of U.S. Highway 51 bridge.

DRAINAGE AREA.--1550 mi^2, approximately, U.S. Army Corps of Engineers

PERIOD OF RECORD.--February 1989 to current year. July l, 1929, to date, stage data available; February 1929 to date, measured discharge available; and December 1, 1931, to June 30, 1953, daily discharge available in U.S. Army Corps of Engineers records. Prior to October 1, 1992, published as "07285510 Yalobusha River at Grenada, MS."

GAGE.--Water stage recorder. Datum of gage is 152.03 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers). Prior to June 23, 1993, water-stage recorder at site 0.5 mi downstream at datum 3.35 ft lower.

REMARKS.--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 ft^3/s from records of U.S. Army Corps of Engineers.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2880	2200	2580	3520	5500	5950	2520	3200	3450	3180	3830	2440
2	2850	2520	1470	3990	5260	5930	1830	3190	3410	3180	3460	2430
3	2790	2460	1120	5020	5020	5800	3020	3930	3380	3170	3260	2230
4	2740	2410	943	5930	5490	5230	3660	1770	3360	3150	3220	2000
5	2720	2350	1530	6430	6060	4020	3550	628	3360	3170	3200	1970
6	2740	2290	2710	6010	7900	3440	3500	734	3390	3150	3180	1940
7	2640	1580	3980	4260	7680	3490	3460	2490	3350	3150	3190	1940
8	2550	300	4620	4490	6480	3460	4040	3330	3340	3150	3130	1930
9	2500	1310	4540	5880	6090	3580	6650	3450	3330	3340	3110	1930
10	2450	2790	4360	6800	6090	3730	4060	4920	3340	3520	3090	1920
11	2430	2740	4250	6760	6010	3490	3700	4160	3340	3520	3060	1910
12	2550	2680	4420	6710	6050	5390	3630	3660	3340	3840	3040	1910
13	3320	2890	8840	6690	6120	4440	3620	3630	3310	2030	3020	1900
14	3520	3070	14100	6660	6080	3740	3510	3570	3300	3640	3010	1900
15	2300	2990	4370	6310	5910	3590	3450	3530	3290	4000	3030	1900
16	2230	2910	1930	6020	5990	6420	3420	3500	3290	3580	3130	1890
17	2420	2830	2390	6680	5860	1460	3390	3590	3290	3520	3130	1800
18	2390	2780	1910	6670	5870	2700	3360	3610	3260	3470	3000	1610
19	2350	2690	1380	7350	5990	3880	3340	3500	3240	3440	2960	1610
20	2310	2880	1980	7240	8740	5690	3330	3470	3250	3460	2930	1610
21	2270	3020	3420	6860	5710	8680	3310	3430	3240	3490	2910	1620
22	2230	2940	4080	6770	5770	4720	3310	3410	3220	3710	2910	1600
23	2180	2860	6840	9010	6280	4050	3290	3420	3230	3680	2970	1540
24	2160	2880	2640	12000	6150	3890	3280	3400	3250	4510	2870	1520
25	2420	2840	1970	15100	6040	3800	3260	3400	3230	4530	2960	1420
26	2150	2690	2890	4470	6070	3970	3280	3390	3230	3540	3020	7070
27	2050	2980	3730	2070	6010	3810	3320	3430	3220	3430	2550	11300
28	1990	3050	3690	1400	5960	3730	3270	3540	3220	3370	2490	1790
29	1940	11000	3620	2180	---	3710	3240	3630	3200	3330	2460	663
30	1890	10900	3580	3860	---	5520	3200	3520	3200	3300	2450	943
31	1850	---	3550	5210	---	9630	---	3590	---	3390	2440	---
TOTAL	75810	93830	113433	188350	172180	140940	103800	102022	98860	106940	93010	68236
MEAN	2445	3128	3659	6076	6149	4546	3460	3291	3295	3450	3000	2275
MAX	3520	11000	14100	15100	8740	9630	6650	4920	3450	4530	3830	11300
MIN	1850	300	943	1400	5020	1460	1830	628	3200	2030	2440	663
CFSM	1.58	2.02	2.36	3.92	3.97	2.93	2.23	2.12	2.13	2.23	1.94	1.47
IN.	1.82	2.25	2.72	4.52	4.13	3.38	2.49	2.45	2.37	2.57	2.23	1.64

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1989 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	2538	2775	3393	4406	3594	3082	2366	1946	1645	1713	2723	2860
MAX	5075	4963	6461	6227	6149	5756	4228	9529	5646	4904	4808	5652
(WY)	1998	1990	1990	1999	2002	1990	1991	1991	1991	1991	1991	1991
MIN	810	1909	586	366	238	572	365	189	320	230	382	848
(WY)	1999	1996	2000	2000	2000	2000	1992	1992	1993	2001	1992	1992

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1989 - 2002	
ANNUAL TOTAL	936677		1357411			
ANNUAL MEAN	2566		3719		2716	
HIGHEST ANNUAL MEAN					4441	1991
LOWEST ANNUAL MEAN					1107	2000
HIGHEST DAILY MEAN	14200	Jan 19	15100	Jan 25	21900	Apr 29 1991
LOWEST DAILY MEAN	163	Jun 26	300	Nov 8	30	Oct 3 1990
ANNUAL SEVEN-DAY MINIMUM	175	Jun 20	1560	Sep 19	33	Sep 27 1990
MAXIMUM PEAK FLOW			20000	Jan 25	23000	Apr 29 1991
MAXIMUM PEAK STAGE			24.41	Jan 25	27.54	Apr 29 1991
ANNUAL RUNOFF (CFSM)	1.66		2.40		1.75	
ANNUAL RUNOFF (INCHES)	22.48		32.58		23.81	
10 PERCENT EXCEEDS	5350		6080		5630	
50 PERCENT EXCEEDS	2520		3330		2440	
90 PERCENT EXCEEDS	210		1930		302	

07287150 ABIACA CREEK NEAR SEVEN PINES, MS

LOCATION.--Lat 33°20′24", long 90°09′04", in NW$\frac{1}{4}$ SE$\frac{1}{4}$ sec.13, T.17 N., R.1 E., Choctaw Meridian, Carroll County, Hydrologic Unit 08030206, on right bank at upstream side of bridge on county road, 5.0 mi northeast of Cruger, and 4.0 mi southwest of Seven Pines.

DRAINAGE AREA.--95.2 mi^2.

PERIOD OF RECORD.--Water years 1992-97, 1999.

PERIOD OF DAILY RECORD.--
DISCHARGE: October 1991 to current year.
SUSPENDED SEDIMENT CONCENTRATION: October 1991 to current year.
SUSPENDED SEDIMENT DISCHARGE: October 1991 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 134.28 ft above NGVD of 1929. October 28, 1955 to present, discharge measurements and gage height record at same site and datum in files of U.S. Army Corps of Engineers, Vicksburg District. Automatic pumping sediment sampler since October 1991.

REMARKS.--Estimated daily discharges: Feb. 21-26, July 6-9. Discharge records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

AVERAGE DISCHARGE.--11 years, 147 ft^3/s, 17.3 in/yr.

EXTREMES FOR PERIOD OF DAILY RECORD.--
DISCHARGE: Maximum observed, 6,080 ft^3/s, Apr. 2, 2000, maximum gage height, 20.48 ft, Apr. 2, 2000; minimum daily mean, 18 ft^3/s, Sept. 30, 2000.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 3,960 mg/L, Jan. 19, 2001; minimum daily mean, 6 mg/L, Oct. 9, 1992.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 45,300 tons, Jan. 19, 2001; minimum daily, 0.56 ton, Oct. 9, 1992.

EXTREMES FOR CURRENT YEAR.--
DISCHARGE: Maximum, 5,690 ft^3/s, Dec. 14, maximum gage height, 19.95 ft, Dec.14; minimum daily mean, 24 ft^3/s, Oct. 2, 3.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,680 mg/L, Nov. 29; minimum daily mean, 19 mg/L, Sept. 24.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 12,100 tons, Nov.29; minimum daily, 1.6 tons, Sept. 24.

07287150 ABIACA CREEK NEAR SEVEN PINES, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

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	28	53	4.0	34	65	6.0	736	388	792
2	24	52	3.4	34	62	5.7	306	230	195
3	24	50	3.4	33	61	5.4	166	188	84.7
4	27	51	3.6	33	60	5.3	121	163	53.5
5	31	66	5.7	32	59	5.1	87	143	33.7
6	122	580	291	31	57	4.8	80	135	29.1
7	45	86	10.7	31	56	4.7	78	130	27.4
8	34	59	5.5	29	54	4.3	128	303	117
9	33	44	3.9	30	53	4.2	119	222	73.6
10	31	31	2.6	31	51	4.2	77	168	35.1
11	105	273	262	34	49	4.5	64	151	26.2
12	186	310	213	32	47	4.1	85	214	56.8
13	869	1490	6350	30	46	3.6	2100	1500	10100
14	522	407	624	29	44	3.4	3320	870	7570
15	202	209	118	28	43	3.3	1170	529	1680
16	110	144	43.7	28	43	3.2	1100	422	1260
17	70	110	20.9	29	42	3.3	1060	460	1330
18	57	109	16.6	31	41	3.5	600	314	515
19	51	120	16.4	31	41	3.4	294	249	198
20	49	130	17.3	28	40	3.0	197	251	134
21	44	141	16.6	29	39	3.1	151	195	80.1
22	42	152	17.0	30	39	3.2	122	166	54.9
23	39	163	16.9	32	38	3.2	884	1160	3120
24	42	173	19.7	43	38	4.4	335	272	267
25	45	183	22.2	44	37	4.4	171	181	83.8
26	42	171	19.1	35	36	3.4	131	134	47.9
27	40	153	16.5	236	509	457	108	97	28.6
28	38	134	13.7	478	633	971	94	91	23.2
29	34	116	10.6	2230	1680	12100	90	88	21.4
30	34	98	9.1	1160	903	3030	86	85	19.7
31	34	79	7.2	---	---	---	80	82	17.7
		JANUARY			FEBRUARY			MARCH	
1	78	79	16.4	144	178	70.2	69	180	33.7
2	72	76	14.8	115	128	39.9	71	143	27.5
3	70	74	14.1	103	107	29.6	69	105	19.7
4	67	73	13.2	97	93	24.3	66	70	12.7
5	66	74	13.3	89	95	22.7	66	61	10.9
6	178	252	127	403	523	713	66	61	10.8
7	262	362	275	284	215	180	65	60	10.6
8	133	129	47.8	155	141	59.1	64	59	10.3
9	101	81	22.1	121	133	43.4	76	59	12.0
10	87	76	17.9	109	124	36.4	73	58	11.4
11	79	77	16.4	98	115	30.5	68	57	10.5
12	73	78	15.2	88	107	25.5	401	1110	1450
13	68	78	14.4	81	101	22.0	190	282	153
14	60	79	12.8	76	108	22.2	113	124	38.8
15	57	79	12.2	74	117	23.2	92	88	21.9
16	56	80	12.1	72	125	24.4	383	913	1160
17	55	80	11.8	69	134	25.0	217	256	155
18	55	81	12.0	67	142	25.9	148	160	64.5
19	78	169	38.6	69	238	49.7	116	98	31.1
20	86	166	39.1	366	945	930	509	671	2280
21	66	196	34.6	165	333	148	1060	730	2490
22	177	931	1470	110	325	96.5	369	273	283
23	985	1260	4190	94	317	80.2	192	235	122
24	2000	1460	10800	91	309	75.7	144	227	88.4
25	1730	828	4230	85	301	68.4	124	218	72.8
26	1070	496	1430	78	288	60.7	115	199	62.2
27	743	416	843	72	254	49.5	105	139	39.6
28	363	343	341	69	217	40.7	98	84	22.4
29	217	269	159	---	---	---	91	75	18.2
30	174	196	93.0	---	---	---	93	76	19.5
31	149	149	60.7	---	---	---	1100	1230	4040

07287150 ABIACA CREEK NEAR SEVEN PINES, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
		APRIL			MAY			JUNE	
1	491	362	505	57	62	9.5	45	64	7.9
2	218	199	120	54	64	9.3	44	57	6.8
3	155	157	65.9	51	66	9.1	43	53	6.1
4	124	143	48.0	111	155	56.5	42	49	5.6
5	105	128	36.4	71	102	19.7	42	46	5.2
6	90	114	27.6	58	67	10.5	42	42	4.9
7	84	99	22.3	53	51	7.3	42	41	4.7
8	500	692	2230	51	44	6.1	42	41	4.6
9	700	625	1380	78	95	28.4	41	40	4.5
10	242	363	241	67	117	21.1	42	39	4.5
11	154	283	118	54	84	12.3	57	282	46.7
12	120	209	68.2	52	71	9.9	41	132	14.6
13	104	139	39.0	49	58	7.8	40	75	8.1
14	94	109	27.8	47	47	6.1	40	43	4.7
15	87	91	21.3	46	44	5.5	39	38	4.0
16	81	72	15.8	45	42	5.1	38	35	3.7
17	76	54	11.0	46	40	5.0	38	33	3.4
18	72	36	7.0	48	38	4.9	36	31	3.0
19	68	31	5.7	44	36	4.3	36	28	2.7
20	65	29	5.2	43	34	4.0	35	27	2.6
21	63	28	4.7	43	32	3.7	36	29	2.8
22	61	26	4.4	42	30	3.4	35	32	3.0
23	59	25	4.0	41	29	3.2	36	35	3.4
24	57	24	3.7	40	28	3.1	63	115	38.8
25	56	23	3.5	42	28	3.1	46	118	15.9
26	58	29	4.5	52	27	3.8	38	70	7.2
27	57	36	5.6	45	26	3.2	39	53	5.5
28	56	44	6.6	64	70	21.9	41	46	5.1
29	76	51	10.5	85	148	34.6	38	40	4.1
30	59	58	9.4	56	101	15.4	37	36	3.5
31	---	---	---	49	72	9.6	---	---	---
		JULY			AUGUST			SEPTEMBER	
1	37	32	3.1	31	30	2.4	33	24	2.1
2	36	29	2.7	31	31	2.6	33	24	2.1
3	34	29	2.7	31	33	2.7	33	23	2.0
4	36	30	2.9	31	35	2.8	33	23	2.0
5	34	31	2.8	30	37	2.9	33	22	2.0
6	34	31	2.8	30	38	3.0	33	23	2.0
7	33	32	2.8	30	37	3.0	32	24	2.1
8	33	33	2.9	29	37	2.9	33	25	2.2
9	33	34	3.0	29	36	2.8	32	26	2.2
10	33	34	3.0	29	35	2.7	43	27	3.2
11	33	34	3.0	29	35	2.7	42	28	3.2
12	38	35	3.5	29	34	2.7	42	27	3.1
13	37	35	3.4	30	33	2.6	41	27	2.9
14	33	35	3.1	29	33	2.6	40	26	2.8
15	33	35	3.1	29	32	2.5	40	25	2.7
16	32	35	3.0	37	31	3.1	38	25	2.5
17	31	36	3.0	33	31	2.8	37	24	2.4
18	31	36	3.0	32	30	2.6	36	23	2.3
19	31	36	3.0	32	30	2.5	35	23	2.1
20	31	37	3.1	32	29	2.5	35	22	2.1
21	50	72	21.0	31	29	2.4	35	21	2.0
22	66	96	20.4	31	28	2.3	34	20	1.9
23	38	46	4.7	32	28	2.4	33	20	1.7
24	52	88	15.0	38	28	2.8	30	19	1.6
25	56	85	13.6	36	27	2.6	34	20	1.8
26	41	57	6.2	34	27	2.5	1060	1340	6610
27	38	47	4.9	33	26	2.3	769	505	1220
28	37	40	3.9	32	26	2.2	252	197	141
29	34	36	3.3	32	26	2.2	123	111	37.5
30	32	32	2.8	32	25	2.2	86	74	17.1
31	31	29	2.4	32	25	2.1	---	---	---

07287160 ABIACA CREEK AT CRUGER, MS

LOCATION.--Lat 33°20′29", long 90°14′13", in NE¼ NW¼ sec.18, T.17 N., R.1 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on left bank at downstream side of bridge on State Highway 49E, 1.0 mi north of Cruger.

DRAINAGE AREA.--95.7 mi^2.

PERIOD OF RECORD.--Water years 1992-97, 1999.

PERIOD OF DAILY RECORD.--
DISCHARGE: October 1991 to current year.
SUSPENDED SEDIMENT CONCENTRATION: October 1991 to current year.
SUSPENDED SEDIMENT DISCHARGE: October 1991 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 116.52 ft above NGVD of 1929. Automatic pumping sediment sampler since October 1991.

REMARKS.--Estimated daily discharges: Nov. 26, Dec. 2-12, June 6, 7, 12-24, Aug. 7, 8. Discharge records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

AVERAGE DISCHARGE.--11 years, 107 ft^3/s, 15.17 in/yr.

EXTREMES FOR PERIOD OF DAILY RECORD.--
DISCHARGE: Maximum, 3,440 ft^3/s, Apr. 23, 1995, maximum gage height, 11.81 ft, Apr. 2, 2000; minimum daily mean, 14 ft^3/s, Sept. 1, 2000.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 3,320 mg/L, Feb. 15, 1992; minimum daily mean, 1.0 mg/L, Oct. 22, 1992.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 16,700 tons, Apr. 23, 1996; minimum daily, 0.13 ton, Oct. 22, 1992.

EXTREMES FOR CURRENT YEAR.--
DISCHARGE: Maximum, 2,833 ft^3/s, Dec. 14, maximum gage height, 11.66 ft, Dec. 14; minimum daily mean, 23 ft^3/s, Oct. 3.
SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 1,720 mg/L, Jan. 23; minimum daily mean, 18 mg/L Sept. 24.
SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 5,410 tons, Nov. 29; minimum daily, 1.7 tons, Aug. 14, 15.

07287160 ABIACA CREEK AT CRUGER, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

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	38	2.7	39	56	5.9	733	448	883
2	24	35	2.2	39	55	5.9	325	294	267
3	23	32	1.9	39	55	5.8	168	194	89.0
4	24	30	2.0	37	54	5.5	113	136	42.1
5	27	40	3.0	37	53	5.3	77	100	21.0
6	98	147	52.6	34	53	4.8	65	85	15.0
7	48	88	11.5	33	52	4.7	66	90	16.0
8	36	73	7.1	31	51	4.3	94	152	43.3
9	30	59	4.8	33	50	4.4	121	174	59.7
10	30	45	3.6	33	49	4.4	70	100	19.2
11	40	64	12.7	37	47	4.8	52	82	11.5
12	193	447	288	37	46	4.7	70	90	17.0
13	509	1070	2600	32	45	3.8	961	1120	3610
14	593	436	791	32	44	3.8	2520	700	4780
15	230	215	137	30	44	3.6	1620	415	1830
16	136	171	63.2	31	43	3.6	1190	265	856
17	92	125	31.4	32	43	3.7	1090	333	986
18	72	109	21.2	36	43	4.1	613	244	413
19	66	102	18.2	37	42	4.2	318	153	134
20	63	94	15.9	33	42	3.7	208	188	106
21	61	86	14.2	33	42	3.7	154	110	46.2
22	56	78	11.9	32	42	3.6	121	89	29.0
23	44	72	8.5	32	42	3.6	676	1190	2580
24	44	177	21.5	43	41	4.8	389	201	220
25	49	267	36.1	50	41	5.5	200	133	72.8
26	45	68	8.4	40	41	4.4	147	106	42.2
27	45	64	7.8	169	390	260	120	91	29.6
28	43	62	7.2	383	575	670	100	86	23.2
29	39	61	6.4	1230	1420	5410	92	81	20.1
30	38	59	6.1	1520	606	2610	86	76	17.8
31	38	57	5.9	---	---	---	79	72	15.3
		JANUARY			FEBRUARY			MARCH	
1	75	67	13.6	152	392	163	63	96	16.4
2	69	63	11.8	125	247	83.5	64	92	16.0
3	65	63	11.0	111	193	57.9	64	89	15.3
4	63	63	10.6	101	167	45.7	63	85	14.3
5	59	62	10.0	93	144	36.1	62	84	14.1
6	158	163	76.5	292	396	396	63	84	14.3
7	261	224	164	318	246	220	65	83	14.6
8	152	108	45.2	177	165	79.9	64	83	14.4
9	111	78	23.3	134	131	47.6	75	83	16.7
10	90	82	20.0	117	104	33.0	74	83	16.5
11	78	96	20.3	104	89	24.9	68	83	15.2
12	69	110	20.5	94	77	19.5	282	727	795
13	64	124	21.4	86	74	17.2	218	330	211
14	52	138	19.4	81	74	16.1	127	147	51.2
15	48	152	19.9	77	73	15.2	97	108	28.4
16	47	164	21.0	74	73	14.6	269	757	732
17	46	151	18.7	71	73	13.9	225	445	288
18	46	132	16.4	68	73	13.3	155	192	81.0
19	62	113	18.7	66	168	31.2	124	116	39.4
20	85	94	21.7	297	446	340	241	393	688
21	62	75	12.6	180	198	99.8	1110	951	3030
22	65	167	81.9	119	136	44.0	365	270	278
23	864	1720	4180	96	126	32.6	193	199	105
24	1130	1190	4710	89	118	28.2	142	164	63.4
25	2030	647	3670	79	113	24.1	120	182	58.5
26	1310	368	1320	76	108	22.2	114	417	129
27	782	275	589	63	104	17.6	105	175	49.9
28	386	224	236	68	100	18.3	99	96	25.6
29	242	187	123	---	---	---	91	84	20.6
30	184	166	82.6	---	---	---	90	81	19.7
31	151	299	120	---	---	---	877	1100	2780

07287160 ABIACA CREEK AT CRUGER, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
	APRIL			MAY			JUNE		
1	496	312	446	55	73	10.9	37	66	6.7
2	222	168	103	55	62	9.1	36	61	5.9
3	158	131	55.7	53	59	8.4	34	57	5.2
4	127	119	41.0	99	177	58.3	33	54	4.8
5	113	111	34.1	78	99	21.1	33	51	4.5
6	99	110	29.5	60	73	11.8	33	48	4.3
7	95	109	27.9	54	58	8.5	33	48	4.3
8	251	595	1000	51	54	7.5	34	49	4.4
9	783	766	1870	67	119	30.1	33	49	4.4
10	252	262	184	75	104	23.1	35	50	4.7
11	157	162	69.1	57	56	8.5	46	196	27.2
12	121	132	43.4	53	48	6.9	35	113	10.7
13	103	111	30.9	52	45	6.3	35	77	7.3
14	92	97	24.1	50	42	5.8	35	45	4.2
15	83	87	19.6	49	42	5.5	35	39	3.7
16	77	77	16.0	48	41	5.3	34	36	3.3
17	73	66	13.0	48	41	5.3	34	34	3.1
18	69	56	10.5	51	40	5.5	33	31	2.8
19	66	52	9.2	48	40	5.1	33	29	2.6
20	64	49	8.4	46	39	4.8	32	27	2.3
21	62	46	7.6	44	39	4.6	32	26	2.2
22	61	43	7.0	44	38	4.5	32	26	2.2
23	58	40	6.3	43	38	4.4	32	26	2.2
24	56	37	5.7	41	38	4.3	39	50	9.2
25	55	35	5.2	43	38	4.5	57	215	39.2
26	57	34	5.3	52	39	5.4	34	89	8.1
27	58	34	5.4	48	39	5.0	34	62	5.6
28	56	34	5.2	48	61	9.8	36	48	4.7
29	71	103	20.3	87	244	61.1	34	41	3.7
30	61	93	15.4	51	119	16.6	32	37	3.2
31	---	---	---	41	72	7.9	---	---	---
	JULY			AUGUST			SEPTEMBER		
1	31	35	3.0	27	30	2.2	32	26	2.3
2	31	34	2.9	27	30	2.2	32	26	2.2
3	31	34	2.8	27	30	2.2	33	25	2.2
4	33	34	3.0	27	30	2.2	33	25	2.2
5	33	34	3.0	26	30	2.1	33	24	2.1
6	32	34	2.9	25	30	2.0	32	24	2.1
7	32	34	3.0	25	29	2.0	32	24	2.0
8	31	37	3.1	24	28	1.8	32	24	2.1
9	36	81	8.1	24	28	1.8	34	24	2.1
10	32	54	4.6	24	27	1.8	42	41	4.8
11	31	50	4.2	25	27	1.8	44	40	4.8
12	33	48	4.4	26	26	1.8	44	37	4.4
13	39	47	4.9	27	25	1.8	44	35	4.2
14	33	45	4.1	26	25	1.7	44	33	3.9
15	33	44	3.8	27	24	1.7	44	32	3.8
16	32	42	3.6	31	24	2.0	43	30	3.5
17	31	41	3.4	33	25	2.2	42	29	3.3
18	30	39	3.2	30	25	2.0	43	27	3.1
19	29	38	3.0	29	26	2.0	41	26	2.8
20	30	38	3.0	29	26	2.0	40	24	2.6
21	31	43	3.6	29	26	2.0	42	22	2.5
22	70	130	27.9	28	26	2.0	39	21	2.2
23	35	64	6.2	28	27	2.0	37	19	2.0
24	36	67	6.8	37	27	2.7	36	18	1.8
25	52	93	13.8	36	27	2.7	38	20	2.0
26	35	51	4.9	34	27	2.5	492	1130	3180
27	32	37	3.2	32	28	2.4	1060	599	1900
28	30	33	2.7	31	28	2.3	292	421	346
29	29	32	2.5	31	28	2.3	153	201	85.6
30	28	31	2.4	31	27	2.3	101	103	28.3
31	28	30	2.3	32	27	2.3	---	---	---

07287400 BLACK CREEK AT LEXINGTON, MS

LOCATION.--Lat 33°06'19", long 90°03'13", NE1/4 SE1/4 sec.35, T.15 N., R.2 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, 300 ft downstream of bridge on State Highway 17 in Lexington, 0.5 mi south of intersection of Highways 17 and 12.

DRAINAGE AREA.--88.1 mi^2.

PERIOD OF RECORD.--February 1987 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 171.14 ft above NGVD of 1929.

REMARKS.--Estimated daily discharges: Jan. 29,30, May 15-17, 20, 21 and Aug. 3-13. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 29	1600	5,480	19.76	Mar. 20	2230	4,090	17.01
Dec. 13	2345	*9,000	*23.93	Apr. 8	2000	3,250	15.16
Jan. 24	2115	5,180	19.18	Sep. 26	1630	3,160	14.95
Mar. 16	0945	4,920	18.68				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	25	263	33	196	55	317	43	29	24	29	22
2	20	24	136	31	99	56	154	40	27	23	26	22
3	20	23	92	32	75	54	108	40	27	29	e24	22
4	19	22	72	35	63	51	88	58	26	48	e22	21
5	22	22	65	35	55	50	77	44	26	48	e20	20
6	42	22	62	469	1030	50	68	41	25	31	e22	20
7	25	21	61	245	404	49	60	40	26	29	e21	20
8	21	20	89	109	151	48	1030	39	26	28	e23	20
9	19	20	114	73	105	85	959	38	26	27	e25	20
10	18	20	80	61	96	88	253	40	26	27	e26	20
11	61	20	74	53	85	66	141	38	43	27	e25	20
12	132	19	73	48	78	1180	103	37	27	29	e24	20
13	725	18	2840	45	79	371	86	36	26	31	e26	20
14	619	19	4280	44	72	179	72	34	29	31	46	20
15	123	18	598	46	84	124	70	e34	26	33	26	20
16	59	18	356	39	74	2390	64	e36	25	28	24	20
17	45	18	618	38	69	850	56	e37	26	27	25	22
18	40	17	277	52	74	416	55	43	24	26	22	22
19	36	17	124	373	82	217	56	37	24	25	22	22
20	34	17	81	229	579	1090	52	e32	23	24	21	22
21	32	17	64	84	163	1650	48	e30	23	108	20	25
22	31	17	57	89	97	404	45	29	23	36	20	24
23	30	17	398	604	74	210	43	29	24	47	21	22
24	30	86	119	2670	67	155	41	28	25	33	33	21
25	32	34	68	1720	63	121	41	28	29	31	24	34
26	29	28	55	447	67	106	40	54	24	29	23	1260
27	28	618	48	220	61	97	42	33	26	28	23	666
28	27	1260	44	151	57	81	44	30	27	27	22	121
29	27	3100	40	e120	---	85	54	35	25	26	22	78
30	26	1040	39	e90	---	133	50	36	24	25	21	60
31	26	---	37	97	---	1170	---	32	---	24	21	---
TOTAL	2419	6617	11324	8382	4199	11681	4317	1151	787	1009	749	2726
MEAN	78.03	220.6	365.3	270.4	150.0	376.8	143.9	37.13	26.23	32.55	24.16	90.87
MAX	725	3100	4280	2670	1030	2390	1030	58	43	108	46	1260
MIN	18	17	37	31	55	48	40	28	23	23	20	20
CFSM	0.89	2.50	4.15	3.07	1.70	4.28	1.63	0.42	0.30	0.37	0.27	1.03
IN.	1.02	2.79	4.78	3.54	1.77	4.93	1.82	0.49	0.33	0.43	0.32	1.15

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	47.44	97.05	160.4	247.8	227.1	255.9	262.9	122.8	113.4	69.61	44.03	52.06
MAX	162	302	365	683	497	377	864	302	621	253	113	110
(WY)	1989	2001	2002	1999	1991	2002	1991	1989	1997	1989	1994	1994
MIN	18.6	32.2	42.9	56.0	53.6	88.8	45.1	29.7	21.1	25.3	18.4	24.9
(WY)	1988	1991	2000	2000	2000	1992	1987	1988	1988	2000	2000	1997

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1987 - 2002	
ANNUAL TOTAL	82719		55361			
ANNUAL MEAN	226.6		151.7		143.0	
HIGHEST ANNUAL MEAN					217	1991
LOWEST ANNUAL MEAN					69.4	1992
HIGHEST DAILY MEAN	10100	Apr 5	4280	Dec 14	13000	Jun 10 1997
LOWEST DAILY MEAN	17	Nov 18	17	Nov 18	11	Aug 1 1994
ANNUAL SEVEN-DAY MINIMUM	17	Nov 17	17	Nov 17	15	Sep 4 1987
MAXIMUM PEAK FLOW			9000	Dec 13	18600	Jun 10 1997
MAXIMUM PEAK STAGE			23.93	Dec 13	27.89	Jun 10 1997
ANNUAL RUNOFF (CFSM)	2.57		1.72		1.62	
ANNUAL RUNOFF (INCHES)	34.93		23.38		22.05	
10 PERCENT EXCEEDS	498		269		238	
50 PERCENT EXCEEDS	52		38		42	
90 PERCENT EXCEEDS	23		21		23	

e Estimated

07288280 BIG SUNFLOWER RIVER NEAR MERIGOLD, MS
(National Water-Quality Assesssment station)

LOCATION.--Lat 33°49’57", long 90°40’12", in SW1/4 NW1/4 sec.24, T.23 N., R.5 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 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 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Oct. 1992 to current year.

REVISED RECORDS.--WDR-MS-97-1: 1996.

GAGE.--Water stage recorder. Datum of gage is 100.00 ft above NGVD of 1929 (Mississippi Department of Transportation datum).

REMARKS.--Estimated daily discharges: Oct. 1-2, Nov. 29-30, Dec. 1-4, 14-18, Jan. 5-6, 9, 22-25, Feb. 11-13, Jul. 16-17, and Sept. 15-16. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 3,100 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Oct. 15	0500	6,470	29.40	Mar. 21	1900	5,590	27.47
Dec. 1	----	*9,260	*[a]34.73	Apr. 1	2100	5,390	24.59
Dec. 17	----	unknown	unknown	May 6	0600	4,390	24.59
Jan. 26	0500	6,900	30.28	Sep. 29	0700	3,330	21.72

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e12	277	e8800	2270	3200	150	5290	38	854	164	591	173
2	e18	236	e8700	1900	2770	133	5280	31	515	135	850	146
3	22	200	e8500	1550	2370	141	4870	979	293	105	855	113
4	25	166	e8000	1200	1990	132	4270	3150	199	101	682	85
5	24	134	7680	e1170	1610	120	3610	4190	154	104	454	81
6	31	106	7190	e1300	1660	140	2920	4370	148	117	320	81
7	30	82	6840	1270	2010	117	2340	4230	113	118	269	98
8	37	67	6680	1190	1940	114	1920	3900	89	118	227	114
9	30	57	6430	e790	1690	371	1820	3440	90	161	241	105
10	25	48	5920	676	1330	414	1550	3550	131	407	231	87
11	1100	39	5320	519	e823	351	1170	4050	179	435	224	76
12	4330	31	5220	427	e584	1340	781	3540	294	336	256	62
13	5710	27	7080	352	e408	2170	495	2860	268	734	387	54
14	6350	24	e8030	295	310	2340	362	2300	265	935	417	48
15	6430	25	e8900	241	285	2280	289	1830	297	732	567	e82
16	6200	22	e9070	205	239	2560	216	1340	229	e481	822	e55
17	5840	19	e9100	180	189	2690	175	844	204	e424	1150	49
18	5370	20	e8960	164	157	3250	153	732	163	442	1170	41
19	4820	29	8650	1030	195	3540	130	895	135	446	1040	38
20	4220	34	8100	1400	1460	4100	109	698	116	481	816	370
21	3590	39	7480	1400	1830	5480	99	423	106	518	600	1190
22	2950	41	6840	e1730	1680	5400	86	264	97	402	441	1320
23	2380	44	6560	e2930	1270	4830	68	183	95	325	347	1080
24	1950	46	6300	e5210	768	4110	63	132	99	339	388	664
25	1580	84	5890	e6620	388	3370	66	92	156	494	616	311
26	1290	133	5400	6840	267	2690	62	76	221	503	1060	635
27	1000	1200	4880	6490	213	2250	70	752	272	380	985	2360
28	703	2660	4350	5880	175	1910	67	1540	246	283	743	3140
29	490	e7400	3790	5140	---	1530	65	1770	217	223	475	3320
30	370	e8600	3250	4360	---	1600	49	1610	190	181	304	3160
31	319	---	2710	3620	---	3970	---	1240	---	176	219	---
TOTAL	67246	21890	210620	68349	31811	63593	38445	55049	6435	10800	17747	19138
MEAN	2169	729.7	6794	2205	1136	2051	1282	1776	214.5	348.4	572.5	637.9
MAX	6430	8600	9100	6840	3200	5480	5290	4370	854	935	1170	3320
MIN	12	19	2710	164	157	114	49	31	89	101	219	38
CFSM	3.92	1.32	12.3	3.99	2.05	3.71	2.32	3.21	0.39	0.63	1.04	1.15
IN.	4.52	1.47	14.17	4.60	2.14	4.28	2.59	3.70	0.43	0.73	1.19	1.29

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1993 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	295.6	377.2	1434	1480	1390	1543	924.2	604.8	689.5	689.4	371.6	186.9
MAX	2169	1133	6794	2344	3968	2853	1753	1776	2311	2201	803	638
(WY)	2002	2001	2002	1998	1994	1997	2000	2002	1997	1994	1993	2002
MIN	22.1	15.6	201	32.0	269	220	277	176	214	232	206	52.8
(WY)	1996	1996	2000	2000	1993	1993	1994	1996	2002	2000	1995	1995

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1993 - 2002	
ANNUAL TOTAL	524992.3		611123			
ANNUAL MEAN	1438		1674		831.1	
HIGHEST ANNUAL MEAN					1677	2002
LOWEST ANNUAL MEAN					390	1996
HIGHEST DAILY MEAN	9100	Dec 17	9100	Dec 17	9100	Dec 17 2001
LOWEST DAILY MEAN	7.8	Sep 28	12	Oct 1	7.8	Sep 28 2001
ANNUAL SEVEN-DAY MINIMUM	9.8	Sep 25	23	Oct 1	8.8	Dec 1 1995
MAXIMUM PEAK FLOW			9260	Dec 1	9260	Dec 1 2001
MAXIMUM PEAK STAGE			34.73a	Dec 1	34.73	Dec 1 2001
INSTANTANEOUS LOW FLOW			11	Oct 1	6.8	Oct 31 1993
ANNUAL RUNOFF (CFSM)	2.60		3.03		1.50	
ANNUAL RUNOFF (INCHES)	35.32		41.11		20.42	
10 PERCENT EXCEEDS	5350		5400		2580	
50 PERCENT EXCEEDS	277		490		240	
90 PERCENT EXCEEDS	40		62		38	

e Estimated
a From flood mark.

07288280 BIG SUNFLOWER RIVER NEAR MERIGOLD, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1995-96, 2002.

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
FEB												
14...	1030	315	5.00	180	771	10.2	6.6	131	8.5	5.6	1.1	.38
JUL												
23...	1230	327	7.00	94	772	4.4	7.2	357	28.5	7.7	1.1	1.20

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
FEB				
14...	.08	.38	<.1	0
JUL				
23...	.10	.15	<.1	1

Remark codes:
< -- Less than

07288650 BOGUE PHALIA NEAR LELAND, MS
(National Water-Quality Assessment station)

LOCATION.--Lat 33°23'49", long 90°50'42", in SW1/4 NW1/4 sec.20, T.18 N., R.6 W., Choctaw Meridian, Washington County, Hydrologic Unit 03030207, County Code 151, at county road bridge 2.7 mi east of Leland and 1.5 mi downstream of U.S. Highway 82.

DRAINAGE AREA.--484 mi^2, U.S. Army Corps of Engineers.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Oct. 1, 1995 to current year. Nov. 13, 1945, to September 29, 1992, stage data available; November 1945 to date, measured discharge available; November 14, 1945, to December 31, 1946, daily discharge available in U.S. Army Corps of Engineer's records.

REVISED RECORD.--WDR MS-99-1: 1998.

GAGE.--Water stage recorder. Datum of gage is 86.21 ft above NGVD of 1929 (levels by U.S. Army Corps of Engineers).

REMARKS.--Estimated daily discharges: Nov. 13-15. Records good except for estimated daily discharges, which are poor. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES OUTSIDE OF PERIOD OF RECORD:--Maximum gage height 28.80 ft, Feb. 22, 1991, by U.S. Army Corps of Engineers.

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft
Oct. 15	0500	8,220	25.33	Mar. 21	1400	6,790	23.58
Dec. 2	1200	*8,780	*27.91	Apr. 1	1100	7,230	24.14
Jan. 26	1600	7,660	26.73				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	41	8680	1210	1870	205	7100	45	439	584	179	149
2	15	35	8750	1010	1570	197	6040	42	252	405	239	130
3	15	30	8700	670	1230	185	4070	47	177	254	267	114
4	15	26	8420	488	932	176	2170	1830	131	198	266	90
5	14	22	7680	325	684	171	1130	3870	103	273	259	82
6	15	19	6050	1010	1250	191	691	3270	86	261	228	76
7	13	18	4390	1530	2010	202	362	2110	77	205	195	70
8	12	17	3740	1150	1500	204	679	1220	74	173	174	58
9	12	17	3540	693	923	214	2330	701	418	161	162	56
10	12	16	2840	426	582	238	1590	656	668	150	150	58
11	162	16	2230	304	377	248	795	2620	560	161	151	56
12	4090	16	2360	226	275	1250	421	2660	378	171	155	57
13	6980	e14	5920	176	236	2640	249	1580	311	209	246	55
14	8050	e15	7780	142	205	2150	162	852	289	274	399	53
15	8090	e14	7950	119	183	1340	122	531	291	489	501	51
16	7320	16	8020	103	187	1650	100	328	222	665	674	47
17	6000	15	8070	91	174	3040	86	205	186	648	1230	46
18	4390	16	7870	85	150	3750	78	146	180	581	1400	45
19	2760	16	7280	494	199	4320	71	111	167	447	1050	43
20	1560	16	5980	2250	2970	4300	62	95	155	398	714	184
21	894	16	4470	2080	3630	6580	55	87	135	496	525	350
22	547	16	3320	1290	2100	5910	48	80	118	530	394	315
23	359	16	3270	1460	994	3980	44	73	119	459	289	225
24	232	21	3110	3810	538	2160	43	70	132	516	218	149
25	157	17	2650	7330	348	1140	42	79	135	711	186	105
26	110	16	2250	7610	306	882	42	76	124	633	225	837
27	85	975	1910	7550	272	747	42	132	140	471	374	3180
28	73	3520	1660	6940	225	664	44	905	452	353	360	3320
29	63	7750	1450	5200	---	560	53	1340	892	279	278	2280
30	55	8530	1280	3440	---	495	51	1200	708	214	213	1130
31	48	---	1140	2310	---	4870	---	799	---	165	176	---
TOTAL	52163	21272	152760	61522	25920	54659	28772	27760	8119	11534	11877	13411
MEAN	1683	709.1	4928	1985	925.7	1763	959.1	895.5	270.6	372.1	383.1	447.0
MAX	8090	8530	8750	7610	3630	6580	7100	3870	892	711	1400	3320
MIN	12	14	1140	85	150	171	42	42	74	150	150	43
CFSM	3.48	1.47	10.2	4.10	1.91	3.64	1.98	1.85	0.56	0.77	0.79	0.92
IN.	4.01	1.63	11.74	4.73	1.99	4.20	2.21	2.13	0.62	0.89	0.91	1.03

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	342.1	450.3	1449	1580	1133	1201	953.8	601.6	501.6	387.2	326.0	228.8
MAX	1683	1650	4928	3144	2527	2135	2201	1338	1360	589	541	632
(WY)	2002	2001	2002	1999	2001	1997	2000	1997	1997	2001	2001	2001
MIN	6.73	6.84	153	46.7	256	354	383	38.9	234	146	164	34.5
(WY)	1996	1996	2000	2000	1996	1996	1998	1996	2001	2000	2000	1999

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1996 - 2002	
ANNUAL TOTAL	463291		469769			
ANNUAL MEAN	1269		1287		762.6	
HIGHEST ANNUAL MEAN					1287	2002
LOWEST ANNUAL MEAN					346	1996
HIGHEST DAILY MEAN	8750	Dec 2	8750	Dec 2	9670	Apr 4 2000
LOWEST DAILY MEAN	12	Oct 8	12	Oct 8	5.5	Oct 20 2000
ANNUAL SEVEN-DAY MINIMUM	13	Oct 4	13	Oct 4	5.5	Oct 26 2000
MAXIMUM PEAK FLOW			8780	Dec 2	9750	Apr 3 2000
MAXIMUM PEAK STAGE			27.91	Dec 2	27.91	Dec 2 2001
INSTANTANEOUS LOW FLOW			12	Oct 8,9,10,11	5.3	Oct 24 2000
ANNUAL RUNOFF (CFSM)	2.62		2.66		1.58	
ANNUAL RUNOFF (INCHES)	35.61		36.11		21.41	
10 PERCENT EXCEEDS	4360		4170		2290	
50 PERCENT EXCEEDS	170		289		165	
90 PERCENT EXCEEDS	18		42		17	

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.
WATER TEMPERATURE: July 1996 to January 1998.

INSTRUMENTATION.--Specific conductance and water temperature data logger from July 1996 to January 1998.

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)
NOV												
15...	1030	16	--	--	763	7.4	7.2	514	18.0	235	284	4.31
JAN												
08...	1130	1160	--	--	768	11.3	6.7	110	4.0	37	45	2.67
MAR												
08...	0930	204	--	--	761	8.6	--	249	12.5	--	--	4.00
MAY												
15...	1200	528	--	--	762	7.8	--	83	23.5	27	33	1.03
JUN												
25...	1200	132	--	--	772	7.6	7.7	557	29.0	176	212	12.1
JUL												
24...	1330	534	--	--	774	5.8	7.8	471	30.0	195	236	6.09
AUG												
20...	1000	730	17.0	29	771	6.1	7.4	406	29.0	166	202	8.32
SEP												
11...	1115	56	--	37	769	6.2	7.5	558	27.5	242	291	9.15

Date	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PERI-PHYTON BIOMASS ASH WEIGHT G/SQ M (00572)	PERI-PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M (00573)	PERI-PHYTON BIOMASS ASH FREE DRY G/SQ M (49954)	PHEO-PHYTIN A, PERI-PHYTON (MG/M2) (62359)	CHLOR-A PERI-PHYTON CHROMO-GRAPHIC FLUOROM (MG/M2) (70957)
NOV												
15...	30.6	<.04	.39	<.05	<.008	<.02	.099	--	--	--	--	--
JAN												
08...	6.9	.10	1.4	.97	.015	.08	.37	--	--	--	--	--
MAR												
08...	12.8	.06	.82	.31	.010	.02	.21	--	--	--	--	--
MAY												
15...	4.7	.09	1.1	.83	.040	.11	.39	--	--	--	--	--
JUN												
25...	76.3	.30	2.0	1.46	.506	.02	.175	--	--	--	--	--
JUL												
24...	35.9	E.02	.88	.56	.039	.08	.20	--	--	--	--	--
AUG												
20...	29.1	.04	.73	.24	.018	.13	.20	180	197.3	16.400	1.4	1.7
SEP												
11...	40.8	<.04	.56	<.05	<.008	.05	.117	--	--	--	--	--

Date	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)
NOV												
15...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
08...	<.006	<.006	<.004	<.005	.030	<.010	<.002	<.041	<.020	<.005	E.012	<.003
MAR												
08...	<.006	<.006	<.004	<.005	.021	<.010	<.002	<.041	<.020	<.005	<.018	<.003
MAY												
15...	<.006	<.006	<.004	<.005	3.30	<.010	<.002	<.041	<.020	<.005	<.018	<.003
JUN												
25...	<.006	<.006	<.004	<.005	.602	<.010	<.002	<.041	<.020	<.005	.021	<.003
JUL												
24...	<.006	<.006	<.004	<.005	.365	<.010	<.002	<.041	<.020	<.005	.042	<.003
AUG												
20...	<.006	<.006	<.004	<.005	.043	<.010	<.002	<.041	<.020	<.005	.063	<.003
SEP												
11...	<.006	<.006	<.004	<.005	.015	<.010	<.002	<.041	<.020	<.005	E.017	<.003

Remark codes:
< -- Less than
E -- Estimated value

07288650 BOGUE PHALIA NEAR LELAND, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

Date	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	DIAZINON, DISSOLVED (UG/L) (39572)	DIELDRIN DISSOLVED (UG/L) (39381)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DISSOLVED (UG/L) (39341)	LINURON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALATHION, DISSOLVED (UG/L) (39532)	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)
NOV												
15...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
08...	<.006	<.007	<.005	<.02	<.075	<.009	<.005	<.003	<.004	<.035	<.035	<.050
MAR												
08...	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050
MAY												
15...	E.141	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	<.027	<.050
JUN												
25...	E.071	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035	E.008	<.050
JUL												
24...	E.024	<.010	<.005	<.02	<.002	<.009	<.005	<.003	<.004	5.28	.037	<.050
AUG												
20...	E.007	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	.060	.185	<.050
SEP												
11...	<.006	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	E.014	E.017	<.050

Date	METHYL PARATHION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METOLACHLOR WATER DISSOLV (UG/L) (39415)	METRIBUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOLINATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARATHION, DISSOLVED (UG/L) (39542)	PEBULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PROMETON, WATER, DISS, REC (UG/L) (04037)
NOV												
15...	--	--	--	--	--	--	--	--	--	--	--	--
JAN												
08...	<.006	.033	<.013	.024	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01
MAR												
08...	<.006	.018	<.006	.022	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01
MAY												
15...	<.006	.916	<.006	.259	<.007	<.003	<.010	<.004	.100	<.006	<.011	<.01
JUN												
25...	<.006	.137	<.006	9.18	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01
JUL												
24...	<.006	.087	<.006	1.14	<.007	<.003	<.010	<.004	.033	<.006	<.011	<.01
AUG												
20...	<.006	.140	.036	.045	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01
SEP												
11...	.042	.082	<.006	.064	<.007	<.003	<.010	<.004	<.022	<.006	<.011	<.01

Date	PRONAMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPACHLOR, WATER, DISS, REC (UG/L) (04024)	PROPANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PROPARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SEDIMENT, SUSPENDED (MG/L) (80154)
NOV												
15...	--	--	--	--	--	--	--	--	--	--	--	97
JAN												
08...	<.004	<.010	<.011	<.02	.014	<.02	<.034	<.02	.006	<.002	<.009	539
MAR												
08...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	293
MAY												
15...	<.004	<.010	.042	<.02	.019	<.02	<.034	<.02	<.005	<.002	<.009	237
JUN												
25...	<.004	<.010	<.011	<.02	.009	<.02	<.034	<.02	.015	<.002	<.009	128
JUL												
24...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	139
AUG												
20...	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02	<.005	<.002	<.009	93
SEP												
11...	<.004	<.010	<.011	<.02	<.005	E.01	<.034	<.02	<.005	<.002	<.009	88

Remark codes:
< -- Less than
E -- Estimated value

0728875070 DEER CREEK EAST OF LELAND, MS
(National Water-Quality Assessment station)

LOCATION.--Lat 33°24′04", long 90°53′31", in NW1/4 NW1/4 sec.23, T.18 N., R.7 W., Choctaw Meridian, Washington County, Hydrologic Unit 08030209, on right bank at downstream side of footbridge over Deer Creek between Leland High School and the vocational school, 1100 feet upstream of the U.S. Highway 12 bridge over Deer Creek and 2100 feet below the old U.S. Highway 61 crossing over Deer Creek in Leland.

DRAINAGE AREA.--80.0 mi^2.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 107 ft above NGVD of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Jan. 13-16, and Aug. 16-19. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD:-- Maximum discharge 800 ft3/s, Dec. 17, 2001, maximum gage height 12.49 ft, December 17, 2001, minimum discharge 0.00 cfs, Jun. 8, 19-28, and Aug. 29 - Sept. 14.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 800 ft3/s, December 17, maximum gage height 12.49 ft, December 17, minimum daily discharge 0.00 cfs, Jun. 20-27, and Aug. 30 - Sept. 12.

DISCHARGE, CUBIC FEET PER SECOND, DECEMBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	208	547	81	336	33	4.7	16	9.9	0.00
2	---	---	---	177	524	71	431	31	4.0	10	7.8	0.00
3	---	---	---	153	486	62	435	28	3.9	6.2	7.7	0.00
4	---	---	---	135	454	55	400	28	3.5	4.5	9.6	0.00
5	---	---	---	125	425	49	324	70	2.7	4.5	9.5	0.00
6	---	---	---	152	414	45	247	130	2.1	5.1	8.0	0.00
7	---	---	---	163	375	42	202	139	1.3	6.2	5.0	0.00
8	---	---	553	200	355	37	211	117	0.07	5.5	1.8	0.00
9	---	---	511	202	316	37	210	89	0.35	5.7	1.1	0.00
10	---	---	473	178	267	33	236	68	3.9	5.7	2.2	0.00
11	---	---	443	149	225	33	239	52	13	3.2	4.1	0.00
12	---	---	463	123	195	55	213	68	28	1.2	5.1	0.00
13	---	---	580	e102	170	65	178	87	28	0.47	5.3	0.02
14	---	---	705	e81	149	91	149	83	21	2.3	5.3	0.24
15	---	---	684	e68	131	98	126	68	13	12	6.7	0.65
16	---	---	680	e59	117	100	108	53	8.1	14	e10	0.90
17	---	---	774	54	106	90	92	45	4.1	16	e12	1.2
18	---	---	754	50	96	121	80	36	1.3	16	e16	2.1
19	---	---	723	60	102	162	70	26	0.19	14	e14	2.6
20	---	---	691	79	167	262	63	21	0.00	11	11	35
21	---	---	652	155	223	313	57	18	0.00	7.8	15	17
22	---	---	609	190	286	396	52	15	0.00	5.9	8.7	7.9
23	---	---	591	212	266	421	46	13	0.00	5.5	5.5	3.2
24	---	---	556	396	224	382	43	8.6	0.00	23	3.6	1.1
25	---	---	523	499	184	308	39	7.1	0.00	25	2.7	1.6
26	---	---	488	543	148	260	36	6.7	0.00	25	2.0	56
27	---	---	457	592	119	216	34	6.4	0.00	28	1.3	59
28	---	---	428	629	98	190	33	6.5	50	26	0.65	31
29	---	---	368	640	---	163	40	6.8	50	22	0.19	22
30	---	---	302	627	---	148	38	7.3	26	17	0.00	17
31	---	---	243	597	---	289	---	6.1	---	13	0.00	---
TOTAL	---	---	---	7598	7169	4675	4768	1373.5	269.21	357.77	191.74	258.51
MEAN	---	---	---	245.1	256.0	150.8	158.9	44.31	8.974	11.54	6.185	8.617
MAX	---	---	---	640	547	421	435	139	50	28	16	59
MIN	---	---	---	50	96	33	33	6.1	0.00	0.47	0.00	0.00

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2002 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	---	---	---	245.1	256.0	150.8	158.9	44.31	8.974	11.54	6.185	8.617
MAX	---	---	---	245	256	151	159	44.3	8.97	11.5	6.19	8.62
(WY)	---	---	---	2002	2002	2002	2002	2002	2002	2002	2002	2002
MIN	---	---	---	245	256	151	159	44.3	8.97	11.5	6.19	8.62
(WY)	---	---	---	2002	2002	2002	2002	2002	2002	2002	2002	2002

e Estimated

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1996 and current year.

PERIOD OF DAILY RECORD.--
TURBIDITY: December 2001 to current year.
DISSOLVED OXYGEN: December 2001 to current year.
pH: December 2001 to current year.
SPECIFIC CONDUCTANCE: December 2001 to current year.
WATER TEMPERATURE: December 2001 to current year.

INSTRUMENTATION.--Water-quality monitor since December 2001.

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

EXTREMES FOR DECEMBER 2001 TO SEPTEMBER 2002.--
TURBIDITY: Maximum, 1,400 NTU, Apr. 1; minimum, 5.7 NTU, Sept. 22.
DISSOLVED OXYGEN: Maximum, 12.7 mg/L, May 26; minimum, 0 mg/L, July 24, 25, Sept. 20, 21, 22.
pH: Maximum, 8.8 units, May 26; minimum, 6.9 units, Dec. 16, 17, 18, 19, 20, May 10, 11, 12, 13, 16, 17.
SPECIFIC CONDUCTANCE: Maximum, 576 microsiemens, Sept. 19; minimum, 44 microsiemens, Jan. 27, 28.
WATER TEMPERATURE: Maximum, 34.3^{o}C, July 22; minimum, 3.1^{o}C, Jan. 4.

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
DEC												
11...	1315	441	--	10	--	--	--	--	--	131	--	3001
11...	1316	--	1.00	50	170	6.8	7.2	86	12.5	--	10.0	8000
11...	1317	--	1.00	50	180	6.8	7.1	85	12.5	--	25.0	8000
11...	1318	--	1.00	50	180	6.5	7.1	85	12.5	--	40.0	8000
11...	1319	--	1.00	50	180	6.5	7.1	84	12.5	--	55.0	8000
11...	1320	--	1.00	50	170	6.4	7.1	84	12.5	--	70.0	8000
11...	1321	--	1.00	50	170	6.4	7.1	84	12.5	--	85.0	8000
11...	1322	--	1.00	50	170	6.4	7.1	84	12.5	--	100	8000
11...	1323	--	1.00	50	170	6.3	7.1	84	12.5	--	115	8000
11...	1324	--	1.00	50	180	6.3	7.1	84	12.5	--	130	8000
18...	0830	745	--	10	--	--	--	--	--	164	--	3001
18...	0831	--	1.00	50	260	8.3	7.1	64	13.0	--	10.0	8000
18...	0832	--	1.00	50	250	8.3	7.1	64	13.0	--	25.0	8000
18...	0833	--	1.00	50	260	8.2	7.1	64	13.0	--	40.0	8000
18...	0834	--	1.00	50	250	8.2	7.1	63	13.0	--	55.0	8000
18...	0835	--	1.00	50	250	8.2	7.1	63	13.0	--	70.0	8000
18...	0836	--	1.00	50	250	8.2	7.0	63	13.0	--	85.0	8000
18...	0837	--	1.00	50	250	8.2	7.1	63	13.0	--	100	8000
18...	0838	--	1.00	50	280	8.2	7.1	63	13.0	--	115	8000
18...	0839	--	1.00	50	240	8.2	7.1	63	13.0	--	130	8000
18...	0840	--	1.00	50	250	8.2	7.1	63	13.0	--	145	8000
JAN												
16...	1200	59	--	10	--	--	--	--	--	142	--	3001
16...	1201	--	1.00	50	190	9.8	6.8	131	8.0	--	30.0	8000
16...	1202	--	1.00	50	180	9.6	7.0	132	8.0	--	40.0	8000
16...	1203	--	1.00	50	170	9.6	7.2	132	8.0	--	50.0	8000
16...	1204	--	1.00	50	180	9.6	7.2	130	8.0	--	60.0	8000
16...	1205	--	1.00	50	180	9.5	7.2	131	8.0	--	70.0	8000
16...	1206	--	1.00	50	180	9.5	7.2	131	8.0	--	80.0	8000
16...	1207	--	1.00	50	190	9.5	7.3	130	8.0	--	90.0	8000
16...	1208	--	1.00	50	190	9.5	7.3	129	8.0	--	100	8000
16...	1209	--	1.00	50	180	9.5	7.3	129	8.0	--	110	8000
16...	1210	--	1.00	50	180	9.4	7.3	128	8.0	--	120	8000
31...	1215	592	--	10	--	--	--	--	--	249	--	3001
31...	1216	--	1.00	50	430	10.1	7.0	54	14.5	--	30.0	8000
31...	1217	--	1.00	50	430	8.7	7.0	54	14.5	--	40.0	8000
31...	1218	--	1.00	50	440	8.6	6.9	54	14.5	--	50.0	8000
31...	1219	--	1.00	50	390	8.6	6.9	54	14.5	--	60.0	8000
31...	1220	--	1.00	50	420	8.6	6.9	53	14.5	--	70.0	8000
31...	1221	--	1.00	50	430	8.6	7.0	53	14.5	--	80.0	8000
31...	1222	--	1.00	50	430	8.6	7.0	53	14.5	--	90.0	8000
31...	1223	--	1.00	50	410	8.5	7.0	53	14.5	--	100	8000
31...	1224	--	1.00	50	420	8.5	7.0	53	14.5	--	110	8000
31...	1225	--	1.00	50	410	8.5	7.0	53	14.5	--	120	8000

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
FEB												
13...	1130	172	--	10	--	--	--	--	--	187	--	3001
13...	1131	--	1.00	50	300	10.2	7.4	92	9.5	--	30.0	8000
13...	1132	--	1.00	50	290	10.3	7.4	91	9.5	--	40.0	8000
13...	1133	--	1.00	50	290	10.3	7.4	91	9.0	--	50.0	8000
13...	1134	--	1.00	50	290	10.3	7.4	91	9.0	--	60.0	8000
13...	1135	--	1.00	50	300	10.3	7.3	91	9.5	--	70.0	8000
13...	1136	--	1.00	50	310	10.3	7.4	91	9.5	--	80.0	8000
13...	1137	--	1.00	50	310	10.3	7.3	91	9.5	--	90.0	8000
13...	1138	--	1.00	50	300	10.3	7.2	91	9.5	--	100	8000
13...	1139	--	1.00	50	310	10.3	7.2	91	9.5	--	110	8000
13...	1140	--	1.00	50	310	10.3	7.2	91	9.5	--	120	8000
26...	1500	142	--	10	--	--	--	--	--	217	--	3001
26...	1501	--	1.00	50	330	9.2	7.6	101	12.0	--	30.0	8000
26...	1502	--	1.00	50	320	9.2	7.6	100	12.0	--	40.0	8000
26...	1503	--	1.00	50	330	9.3	7.6	100	12.0	--	50.0	8000
26...	1504	--	1.00	50	330	9.3	7.6	100	12.0	--	60.0	8000
26...	1505	--	1.00	50	350	9.3	7.6	99	12.0	--	70.0	8000
26...	1506	--	1.00	50	350	9.3	7.6	99	12.0	--	80.0	8000
26...	1507	--	1.00	50	340	9.3	7.6	99	12.0	--	90.0	8000
26...	1508	--	1.00	50	330	9.3	7.6	99	12.0	--	100	8000
26...	1509	--	1.00	50	340	9.4	7.6	99	12.0	--	110	8000
26...	1510	--	1.00	50	330	9.4	7.7	127	12.0	--	120	8000
MAR												
13...	1115	63	--	10	--	--	--	--	--	195	--	3001
13...	1116	--	1.00	50	270	10.2	7.7	163	10.5	--	35.0	8000
13...	1117	--	1.00	50	290	10.2	7.7	162	10.5	--	45.0	8000
13...	1118	--	1.00	50	290	10.1	7.7	161	10.5	--	55.0	8000
13...	1119	--	1.00	50	300	10.1	7.7	159	10.0	--	65.0	8000
13...	1120	--	1.00	50	290	10.0	7.6	157	10.0	--	75.0	8000
13...	1121	--	1.00	50	280	10.0	7.6	156	10.0	--	85.0	8000
13...	1122	--	1.00	50	290	9.9	7.6	156	10.0	--	95.0	8000
13...	1123	--	1.00	50	310	9.9	7.7	155	10.0	--	105	8000
13...	1124	--	1.00	50	290	10.0	7.7	157	10.5	--	115	8000
13...	1125	--	1.00	50	270	9.9	7.8	156	11.0	--	125	8000
26...	1230	252	--	10	--	--	--	--	--	221	--	3001
26...	1231	--	1.00	50	390	8.7	7.7	96	14.0	--	30.0	8000
26...	1232	--	1.00	50	370	8.6	7.7	94	14.0	--	40.0	8000
26...	1233	--	1.00	50	360	8.6	7.7	94	14.0	--	50.0	8000
26...	1234	--	1.00	50	350	8.6	7.6	93	14.0	--	60.0	8000
26...	1235	--	1.00	50	360	8.6	7.6	93	14.0	--	70.0	8000
26...	1236	--	1.00	50	350	8.6	7.6	93	14.0	--	80.0	8000
26...	1237	--	1.00	50	340	8.6	7.5	94	14.0	--	90.0	8000
26...	1238	--	1.00	50	340	8.6	7.5	94	14.0	--	100	8000
26...	1239	--	1.00	50	350	8.5	7.5	95	14.0	--	110	8000
26...	1240	--	1.00	50	360	8.5	7.5	95	14.0	--	120	8000
APR												
10...	1130	238	--	10	--	--	--	--	--	334	--	3001
10...	1131	--	1.00	50	500	8.2	7.4	109	16.5	--	30.0	8000
10...	1132	--	1.00	50	480	7.9	7.4	107	16.0	--	40.0	8000
10...	1133	--	1.00	50	500	7.7	7.2	107	16.0	--	50.0	8000
10...	1134	--	1.00	50	590	7.7	7.2	107	16.5	--	60.0	8000
10...	1135	--	1.00	50	450	7.7	7.2	107	16.5	--	70.0	8000
10...	1136	--	1.00	50	540	7.7	7.2	106	16.5	--	80.0	8000
10...	1137	--	1.00	50	560	7.6	7.3	106	16.0	--	90.0	8000
10...	1138	--	1.00	50	550	7.6	7.3	106	16.0	--	100	8000
10...	1139	--	1.00	50	520	7.5	7.3	106	16.5	--	110	8000
10...	1140	--	1.00	50	510	7.5	7.2	108	17.0	--	120	8000
25...	1115	40	--	10	--	--	--	--	--	61	--	3001
25...	1116	--	1.00	50	56	8.5	7.9	192	23.0	--	35.0	8000
25...	1117	--	1.00	50	54	8.6	7.9	192	23.0	--	45.0	8000
25...	1118	--	1.00	50	55	8.5	7.9	191	23.0	--	55.0	8000
25...	1119	--	1.00	50	52	8.5	7.9	191	23.0	--	65.0	8000
25...	1120	--	1.00	50	50	8.7	7.9	191	23.0	--	75.0	8000
25...	1121	--	1.00	50	49	8.8	7.9	191	23.0	--	85.0	8000
25...	1122	--	1.00	50	48	8.8	7.9	191	23.0	--	95.0	8000
25...	1123	--	1.00	50	47	8.9	8.0	191	23.0	--	105	8000
25...	1124	--	1.00	50	47	8.9	8.0	191	23.0	--	115	8000
25...	1125	--	1.00	50	46	9.0	8.0	191	23.5	--	125	8000

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
MAY												
07...	1145	141	--	10	--	--	--	--	--	566	--	3001
07...	1146	--	1.00	50	730	5.2	7.4	156	22.5	--	35.0	8000
07...	1147	--	1.00	50	700	5.1	7.3	157	22.5	--	45.0	8000
07...	1148	--	1.00	50	750	5.1	7.3	155	22.5	--	55.0	8000
07...	1149	--	1.00	50	700	5.0	7.4	158	23.0	--	65.0	8000
07...	1150	--	1.00	50	740	5.0	7.3	152	22.5	--	75.0	8000
07...	1151	--	1.00	50	730	5.1	7.3	154	23.0	--	85.0	8000
07...	1152	--	1.00	50	730	5.1	7.3	150	23.0	--	95.0	8000
07...	1153	--	1.00	50	720	5.1	7.3	150	23.0	--	105	8000
07...	1154	--	1.00	50	710	5.0	7.3	152	23.0	--	115	8000
07...	1155	--	1.00	50	720	4.9	7.3	152	23.0	--	125	8000
24...	1115	8.7	--	10	--	--	--	--	--	111	--	3001
24...	1116	--	1.00	50	96	9.3	8.2	182	24.0	--	30.0	8000
24...	1117	--	1.00	50	110	8.9	8.1	183	22.5	--	40.0	8000
24...	1118	--	1.00	50	100	9.1	8.1	182	23.5	--	50.0	8000
24...	1119	--	1.00	50	110	9.3	8.2	182	23.0	--	60.0	8000
24...	1120	--	1.00	50	110	9.4	8.2	181	23.0	--	70.0	8000
24...	1121	--	1.00	50	110	9.4	8.2	182	23.0	--	80.0	8000
24...	1122	--	1.00	50	110	9.5	8.2	181	22.5	--	90.0	8000
24...	1123	--	1.00	50	110	9.1	8.2	181	22.5	--	100	8000
24...	1124	--	1.00	50	110	9.4	8.2	181	22.5	--	110	8000
24...	1125	--	1.00	50	130	9.1	8.3	182	22.5	--	120	8000
JUN												
05...	1200	2.9	--	10	--	--	--	--	--	92	--	3001
05...	1201	--	1.00	50	72	6.5	7.9	310	31.0	--	30.0	8000
05...	1202	--	1.00	50	64	6.9	7.9	311	31.0	--	40.0	8000
05...	1203	--	1.00	50	64	7.1	7.9	311	31.0	--	50.0	8000
05...	1204	--	1.00	50	63	7.4	8.0	309	31.5	--	60.0	8000
05...	1205	--	1.00	50	62	7.6	8.0	309	31.0	--	70.0	8000
05...	1206	--	1.00	50	64	7.6	8.0	310	31.0	--	80.0	8000
05...	1207	--	1.00	50	64	7.7	8.0	311	31.0	--	90.0	8000
05...	1208	--	1.00	50	63	7.7	8.0	312	31.5	--	100	8000
05...	1209	--	1.00	50	61	7.9	8.0	311	31.0	--	110	8000
05...	1210	--	1.00	50	63	7.8	8.0	312	31.0	--	120	8000
20...	1130	.0	--	10	--	--	--	--	--	54	--	3001
20...	1131	--	1.00	50	32	6.2	7.8	418	28.0	--	30.0	8000
20...	1132	--	1.00	50	28	6.1	7.8	418	27.5	--	40.0	8000
20...	1133	--	1.00	50	30	5.9	7.8	418	27.5	--	50.0	8000
20...	1134	--	1.00	50	28	5.7	7.8	418	27.5	--	60.0	8000
20...	1135	--	1.00	50	30	6.1	7.8	418	27.5	--	70.0	8000
20...	1136	--	1.00	50	29	6.3	7.8	419	27.5	--	80.0	8000
20...	1137	--	1.00	50	30	6.5	7.8	419	27.5	--	90.0	8000
20...	1138	--	1.00	50	31	6.4	7.9	419	27.5	--	100	8000
20...	1139	--	1.00	50	37	6.8	7.9	420	27.5	--	110	8000
20...	1140	--	1.00	50	35	7.0	7.9	421	28.0	--	120	8000
JUL												
02...	1345	9.8	--	10	--	--	--	--	--	62	--	3001
02...	1346	--	1.00	50	34	10.4	8.4	288	30.0	--	30.0	8000
02...	1347	--	1.00	50	32	11.9	8.6	284	30.0	--	40.0	8000
02...	1348	--	1.00	50	29	12.6	8.7	283	30.5	--	50.0	8000
02...	1349	--	1.00	50	30	12.8	8.7	283	30.5	--	60.0	8000
02...	1350	--	1.00	50	32	13.1	8.7	284	30.0	--	70.0	8000
02...	1351	--	1.00	50	33	13.0	8.7	285	31.0	--	80.0	8000
02...	1352	--	1.00	50	35	13.1	8.6	285	30.0	--	90.0	8000
02...	1353	--	1.00	50	35	13.1	8.8	284	30.5	--	100	8000
02...	1354	--	1.00	50	30	13.3	8.7	281	30.5	--	110	8000
02...	1355	--	1.00	50	31	13.8	8.8	280	30.5	--	120	8000
16...	1345	14	--	10	--	--	--	--	--	53	--	3001
16...	1346	--	1.00	50	25	6.6	7.7	297	31.0	--	30.0	8000
16...	1347	--	1.00	50	22	6.3	7.7	295	31.0	--	40.0	8000
16...	1348	--	1.00	50	24	6.7	7.7	297	31.0	--	50.0	8000
16...	1349	--	1.00	50	21	7.2	7.8	297	31.0	--	60.0	8000
16...	1350	--	1.00	50	22	7.0	7.8	296	30.5	--	70.0	8000
16...	1351	--	1.00	50	21	6.9	7.7	296	31.0	--	80.0	8000
16...	1352	--	1.00	50	22	6.7	7.7	295	30.5	--	90.0	8000
16...	1353	--	1.00	50	20	6.7	7.7	298	31.0	--	100	8000
16...	1354	--	1.00	50	22	6.3	7.7	297	30.5	--	110	8000
16...	1355	--	1.00	50	22	6.4	7.7	297	31.0	--	120	8000
31...	1130	13	--	10	--	--	--	--	--	65	--	3001
31...	1131	--	1.00	50	31	5.5	8.0	452	31.5	--	30.0	8000
31...	1132	--	1.00	50	28	5.7	8.0	452	31.5	--	40.0	8000
31...	1133	--	1.00	50	28	5.7	8.0	452	32.0	--	50.0	8000
31...	1134	--	1.00	50	26	5.9	8.0	451	32.0	--	60.0	8000
31...	1135	--	1.00	50	24	6.0	8.0	451	32.0	--	70.0	8000
31...	1136	--	1.00	50	26	6.0	8.0	451	32.0	--	80.0	8000
31...	1137	--	1.00	50	26	6.1	8.1	451	32.0	--	90.0	8000
31...	1138	--	1.00	50	26	6.1	8.1	450	32.0	--	100	8000
31...	1139	--	1.00	50	--	6.1	8.0	451	32.0	--	110	8000
31...	1140	--	1.00	50	--	6.0	8.0	451	32.0	--	120	8000

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
AUG												
15...	1130	5.8	--	10	--	--	--	--	--	124	--	3001
15...	1131	--	1.00	50	48	4.1	7.7	467	28.0	--	30.0	8000
15...	1132	--	1.00	50	47	4.1	7.7	467	28.0	--	40.0	8000
15...	1133	--	1.00	50	50	4.0	7.6	467	28.0	--	50.0	8000
15...	1134	--	1.00	50	51	3.9	7.6	467	28.0	--	60.0	8000
15...	1135	--	1.00	50	52	3.9	7.6	467	28.0	--	70.0	8000
15...	1136	--	1.00	50	53	3.7	7.6	468	28.0	--	80.0	8000
15...	1137	--	1.00	50	52	3.7	7.6	468	28.0	--	90.0	8000
15...	1138	--	1.00	50	50	3.2	7.6	470	28.0	--	100	8000
15...	1139	--	1.00	50	47	3.2	7.6	469	28.0	--	110	8000
15...	1140	--	1.00	50	48	3.3	7.6	469	28.0	--	120	8000
28...	1030	.78	--	10	--	--	--	--	--	73	--	3001
28...	1031	--	1.00	50	35	5.8	7.8	457	28.5	--	30.0	8000
28...	1032	--	1.00	50	33	5.8	7.8	457	28.5	--	40.0	8000
28...	1033	--	1.00	50	34	5.8	7.8	457	28.5	--	50.0	8000
28...	1034	--	1.00	50	34	5.8	7.9	457	28.5	--	60.0	8000
28...	1035	--	1.00	50	33	6.0	7.9	457	29.0	--	70.0	8000
28...	1036	--	1.00	50	35	6.0	7.9	457	29.0	--	80.0	8000
28...	1037	--	1.00	50	38	5.9	7.9	457	29.0	--	90.0	8000
28...	1038	--	1.00	50	38	5.9	7.9	456	28.5	--	100	8000
28...	1039	--	1.00	50	38	5.7	7.8	458	29.0	--	110	8000
28...	1040	--	1.00	50	36	5.7	7.8	458	29.0	--	120	8000
SEP												
11...	1115	.0	--	10	--	--	--	--	--	93	--	3001
11...	1116	--	1.00	50	66	7.6	8.1	541	27.5	--	30.0	8000
11...	1117	--	1.00	50	56	6.9	8.1	540	28.0	--	40.0	8000
11...	1118	--	1.00	50	54	7.2	8.1	541	28.0	--	50.0	8000
11...	1119	--	1.00	50	54	7.3	8.1	541	28.0	--	60.0	8000
11...	1120	--	1.00	50	54	7.3	8.1	542	28.0	--	70.0	8000
11...	1121	--	1.00	50	54	7.2	8.1	542	28.0	--	80.0	8000
11...	1122	--	1.00	50	53	7.1	8.1	543	28.0	--	90.0	8000
11...	1123	--	1.00	50	53	7.1	8.1	543	28.0	--	100	8000
11...	1124	--	1.00	50	53	7.1	8.1	543	28.0	--	110	8000
11...	1125	--	1.00	50	53	7.1	8.1	543	28.0	--	120	8000
24...	1230	1.3	--	10	--	--	--	--	--	86	--	3001
24...	1231	--	1.00	50	35	6.6	7.9	520	22.5	--	30.0	8000
24...	1232	--	1.00	50	35	6.8	7.9	520	22.5	--	40.0	8000
24...	1233	--	1.00	50	34	7.1	7.9	521	23.0	--	50.0	8000
24...	1234	--	1.00	50	42	7.2	7.9	521	23.0	--	60.0	8000
24...	1235	--	1.00	50	35	7.2	7.9	522	23.0	--	70.0	8000
24...	1236	--	1.00	50	33	7.4	7.9	522	23.0	--	80.0	8000
24...	1237	--	1.00	50	33	7.5	7.9	522	23.0	--	90.0	8000
24...	1238	--	1.00	50	32	7.6	8.0	522	23.0	--	100	8000
24...	1239	--	1.00	50	31	7.7	8.0	522	23.0	--	110	8000
24...	1240	--	1.00	50	33	7.5	7.9	524	23.0	--	120	8000

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
SEP												
05...	1600	<.01	10	28	762	6.9	7.7	500	29.5	42.0	15.0	5.10

Date	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ACIDITY (MG/L AS H) (71825)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)
SEP												
05...	42.0	.2	250	18.0	.4	4.20	29	293	.02	.60	.90	.02

Remark codes:
< -- Less than

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

Date	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN,PAR TICULTE WAT FLT SUSP (MG/L AS N) (49570)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	ORTHO- PHOS- PHATE, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, INORG + ORGANIC PARTIC. TOTAL (MG/L AS C) (00694)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C) (00681)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
SEP												
05...	<.02	<.020	<.010	<.01	.41	.10	.07	.100	.12	2.6	6.2	3.7

Date	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L) (00340)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	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)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	BORON, DIS- SOLVED (UG/L AS B) (01020)	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)
SEP												
05...	13	180	25.0	<3	<1	14	<1	205	<.5	<1	<1	<2

Date	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	THAL- LIUM, DIS- SOLVED (UG/L AS TL) (01057)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
SEP												
05...	3	<2	3	<.10	<2	<1	<1	<1	260	<2	3	<2

Date	2,4-D METHYL ESTER, WATER FLTRD REC (UG/L) (50470)	2,4-D, DIS- SOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	3HYDRXY CARBO- FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	3-KETO CARBO- FURAN WATER FLTRD REC (UG/L) (50295)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	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)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)
SEP												
05...	<.009	.07	<.02	<.006	<.006	<2	<.006	.017	<.004	<.02	<.008	<.04

Date	ALPHA BHC DIS- SOLVED (UG/L) (34253)	AMINO- METHYL- PHOS- PHONIC ACID, WAT FLT (UG/L) (62649)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BENDIO- CARB, WATER FLTRD REC (UG/L) (50299)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BENOMYL WATER FLTRD REC (UG/L) (50300)	BEN- SUL- FURON METHYL WAT FLT REC (UG/L) (61693)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAF- FEINE, WATER FLTRD REC (UG/L) (50305)
SEP												
05...	<.005	4.9	.028	<.03	<.010	<.004	<.02	E.03	<.03	<.02	<.002	<.010

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 WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR- AMBEN, METHYL ESTER WATER FLTRD REC (UG/L) (61188)	CHLORI- MURON, WATER FLTRD REC (UG/L) (50306)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	CY- CLOATE, WATER, DISS, REC (UG/L) (04031)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)
SEP												
05...	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.005	<.01	.374	<.01	<.01

Date	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DEETHYL DEISO- PROPYL ATRAZIN DISS, REC (UG/L) (04039)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIPHEN- AMID, WATER, DISS, REC (UG/L) (04033)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)
SEP												
05...	<.003	E.007	<.01	<.04	.008	<.01	<.01	<.005	<.01	E.01	<.02	E1.02

Remark codes:
- < -- Less than
- E -- Estimated value

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

Date	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUMET-SULAM WATER FLTRD REC (UG/L) (61694)	FLUO-METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	FONOFOS WATER DISS REC (UG/L) (04095)	GLUFO-SINATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62721)	GLYPHO-SATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62722)	HYDROXY ATRA-ZINE WATER FLTRD REC (UG/L) (50355)	IMAZ-AQUIN WATER FLTRD REC (UG/L) (50356)	IMAZE-THAPYR WATER FLTRD REC (UG/L) (50407)
SEP												
05...	<.002	<.009	<.005	<.03	<.01	.46	<.003	<.1	.7	E.334	<.02	<.02

Date	IMID-ACLOP-RID WATER FLTRD REC (UG/L) (61695)	LINDANE DIS-SOLVED (UG/L) (39341)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METAL-AXYL WATER FLTRD REC (UG/L) (50359)	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)
SEP												
05...	<.007	<.004	.05	E.092	E.016	<.02	<.01	E.01	<.008	<.004	<.050	<.006

Date	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MET-SUL-FURON METHYL WAT FLT REC (UG/L) (61697)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	NEB-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NICOSUL FURON WATER FLTRD REC (UG/L) (50364)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)
SEP												
05...	.030	<.006	<.03	<.002	<.007	<.01	<.01	E.03	<.02	<.01	<.003	<.010

Date	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROP-ICONA-ZOLE , WATER FLTRD REC (UG/L) (50471)
SEP												
05...	<.004	<.022	<.006	<.011	<.02	E.01	<.009	<.010	<.011	<.02	<.010	E.01

Date	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SIDURON WATER FLTRD REC (UG/L) (38548)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	SULFO-MET-RURON METHYL WTR FLT REC (UG/L) (50337)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL, WATER, DISS, REC (UG/L) (04032)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
SEP												
05...	<.008	<.02	.005	<.009	<.02	<.010	<.034	<.02	<.006	<.002	.05	<.009

Date	UREA 3(4-CHLOR OPHENYL METHYL WAT FLT REC (UG/L) (61692)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39333)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39351)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39383)	ENDO-SULFAN I TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39393)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39413)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39343)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39758)	P,P'-DDD, RECOVER IN BOT-TOM MA-TERIAL (UG/KG) (39363)
SEP												
05...	<.02	<.2	<3	<.2	<.2	6.1	<.2	<.2	<.2	<2.5	<.2	260

Date	P,P'-DDE, RECOVER IN BOT-TOM MA-TERIAL (UG/KG) (39368)	P,P'-DDT, RECOVER IN BOT-TOM MA-TERIAL (UG/KG) (39373)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39519)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39403)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
SEP					
05...	620	28	25	<50	69

Remark codes:
< -- Less than
E -- Estimated value

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

TURBIDITY, NTU, DECEMBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	180	150	160
2	---	---	---	---	---	---	---	---	---	160	140	150
3	---	---	---	---	---	---	---	---	---	150	130	140
4	---	---	---	---	---	---	---	---	---	140	120	130
5	---	---	---	---	---	---	---	---	---	130	110	120
6	---	---	---	---	---	---	---	---	---	180	110	140
7	---	---	---	---	---	---	---	---	---	200	140	160
8	---	---	---	---	---	---	250	180	210	220	150	170
9	---	---	---	---	---	---	200	160	180	---	190	---
10	---	---	---	---	---	---	190	160	170	---	270	---
11	---	---	---	---	---	---	170	140	160	290	240	260
12	---	---	---	---	---	---	280	140	190	250	220	240
13	---	---	---	---	---	---	---	170	---	220	180	200
14	---	---	---	---	---	---	---	180	---	190	170	180
15	---	---	---	---	---	---	240	180	200	180	160	170
16	---	---	---	---	---	---	---	220	---	---	---	---
17	---	---	---	---	---	---	---	200	---	---	---	---
18	---	---	---	---	---	---	330	190	250	---	---	---
19	---	---	---	---	---	---	240	180	210	---	---	---
20	---	---	---	---	---	---	270	190	210	---	---	---
21	---	---	---	---	---	---	320	220	260	---	---	---
22	---	---	---	---	---	---	260	200	230	---	---	---
23	---	---	---	---	---	---	320	200	240	---	---	---
24	---	---	---	---	---	---	260	180	220	---	---	---
25	---	---	---	---	---	---	260	180	210	---	---	---
26	---	---	---	---	---	---	270	190	220	---	---	---
27	---	---	---	---	---	---	260	190	220	---	---	---
28	---	---	---	---	---	---	230	190	200	---	---	---
29	---	---	---	---	---	---	220	170	190	---	---	---
30	---	---	---	---	---	---	180	150	170	---	---	---
31	---	---	---	---	---	---	180	160	160	---	---	---
		FEBRUARY			MARCH			APRIL			MAY	
1	490	320	380	220	190	210	1400	400	780	46	23	32
2	530	310	370	200	170	180	800	350	520	75	25	37
3	430	310	350	180	160	170	800	490	640	71	26	37
4	370	280	330	170	150	160	580	330	420	84	37	59
5	410	300	350	150	130	140	370	280	310	66	40	55
6	410	260	320	140	130	140	320	270	300	43	26	33
7	390	280	310	140	130	140	360	280	320	740	43	490
8	400	290	320	140	130	140	940	290	480	700	540	610
9	380	270	320	150	130	140	860	340	520	600	340	470
10	350	260	300	160	130	140	570	310	410	370	310	340
11	290	240	250	140	110	130	480	310	400	330	280	300
12	280	230	250	280	100	130	680	450	570	300	250	280
13	270	230	250	---	---	---	650	350	500	280	180	220
14	270	220	250	---	---	---	380	240	300	200	86	150
15	250	210	230	---	---	---	260	200	230	340	81	200
16	240	200	230	---	---	---	220	170	200	390	300	340
17	210	190	200	---	---	---	190	130	170	340	180	240
18	210	190	200	---	---	---	140	110	120	220	160	190
19	210	180	200	---	160	---	110	75	96	220	160	200
20	760	180	440	1000	170	550	110	55	72	210	140	180
21	1000	240	420	720	440	600	70	46	55	220	140	180
22	910	400	570	700	330	440	83	39	51	210	120	160
23	770	440	600	730	380	550	71	36	50	190	110	150
24	480	340	420	640	350	450	49	35	42	150	96	120
25	380	280	330	430	280	320	62	28	37	110	52	82
26	300	270	290	640	270	410	40	26	33	60	29	43
27	280	260	270	560	340	410	46	34	40	43	20	31
28	260	220	240	600	280	410	46	30	36	55	16	33
29	---	---	---	330	230	270	45	22	29	76	27	48
30	---	---	---	430	240	330	40	22	32	110	40	70
31	---	---	---	---	360	---	---	---	---	92	46	66

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

TURBIDITY, NTU, DECEMBER 2001 TO SEPTEMBER 2002--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	88	32	57	110	38	74	40	---	---	53	24	37
2	85	32	53	77	21	48	---	---	---	56	28	41
3	86	30	53	88	21	47	42	---	---	57	22	37
4	110	30	67	66	28	46	42	16	30	71	22	34
5	110	47	74	53	15	33	67	13	29	46	20	33
6	100	52	74	86	10	28	48	14	27	48	22	34
7	120	52	75	42	10	26	38	16	25	50	28	40
8	99	41	68	80	12	32	41	18	26	68	29	42
9	110	49	72	77	15	39	61	20	37	51	25	38
10	80	49	67	70	19	35	96	25	46	69	24	35
11	77	45	57	84	24	39	61	25	42	55	27	41
12	72	34	50	80	22	45	70	29	48	41	23	33
13	92	30	44	86	20	39	65	31	47	41	24	31
14	78	30	42	490	26	100	73	28	46	56	30	39
15	86	31	50	160	51	95	72	34	47	44	24	33
16	70	32	41	160	17	41	---	---	---	35	12	23
17	63	33	45	51	21	33	---	---	---	43	15	23
18	63	29	42	82	17	31	---	---	---	41	12	22
19	57	29	41	82	17	27	---	---	---	36	20	27
20	55	27	36	46	---	---	42	22	33	62	24	35
21	71	30	43	52	---	---	49	20	35	27	9.9	21
22	80	36	51	69	---	---	45	15	32	20	5.7	9.2
23	64	38	49	62	---	---	52	17	34	46	10	21
24	65	27	44	54	---	---	43	12	25	64	16	26
25	90	18	27	---	---	---	47	12	22	44	18	27
26	41	18	25	37	---	---	55	15	26	63	23	38
27	28	14	21	39	---	---	57	17	34	81	51	66
28	210	16	71	---	---	---	34	14	24	52	21	43
29	230	100	170	---	---	---	39	22	29	40	19	30
30	130	75	99	36	---	---	41	26	33	59	20	31
31	---	---	---	---	---	---	46	20	35	---	---	---

OXYGEN DISSOLVED, MG/L, DECEMBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	6.0	5.6	5.8	---	---	---
9	---	---	---	---	---	---	5.8	5.6	5.7	---	---	---
10	---	---	---	---	---	---	5.8	5.5	5.7	---	---	---
11	---	---	---	---	---	---	5.9	5.5	5.7	---	---	---
12	---	---	---	---	---	---	6.8	5.5	6.1	---	---	---
13	---	---	---	---	---	---	7.0	6.3	6.6	---	---	---
14	---	---	---	---	---	---	7.0	6.3	6.6	---	---	---
15	---	---	---	---	---	---	6.6	6.3	6.4	---	---	---
16	---	---	---	---	---	---	6.6	6.5	6.5	8.4	8.1	8.2
17	---	---	---	---	---	---	---	---	---	9.5	8.1	9.1
18	---	---	---	---	---	---	6.6	6.4	6.5	10.0	9.5	9.7
19	---	---	---	---	---	---	7.0	6.5	6.7	10.6	9.9	10.4
20	---	---	---	---	---	---	7.0	6.8	6.9	10.8	10.4	10.6
21	---	---	---	---	---	---	7.3	7.0	7.1	10.7	10.2	10.4
22	---	---	---	---	---	---	---	---	---	11.1	10.7	11.0
23	---	---	---	---	---	---	---	---	---	11.1	10.3	10.7
24	---	---	---	---	---	---	---	---	---	10.4	10.0	10.2
25	---	---	---	---	---	---	---	---	---	10.4	9.4	9.9
26	---	---	---	---	---	---	---	---	---	9.4	8.7	9.0
27	---	---	---	---	---	---	---	---	---	9.2	8.7	8.9
28	---	---	---	---	---	---	---	---	---	9.3	8.9	9.2
29	---	---	---	---	---	---	---	---	---	9.1	8.7	8.9
30	---	---	---	---	---	---	---	---	---	8.7	8.4	8.6
31	---	---	---	---	---	---	---	---	---	8.5	8.3	8.4

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

OXYGEN DISSOLVED, MG/L, DECEMBER 2001 TO SEPTEMBER 2002--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	8.3	8.1	8.3	10.2	9.6	9.9	8.3	8.0	8.1	9.5	6.8	8.2
2	8.5	8.1	8.3	10.6	10.2	10.3	8.1	7.9	8.0	9.3	6.8	7.7
3	8.6	8.5	8.6	11.3	10.6	11.1	8.4	7.9	8.2	7.1	4.8	5.8
4	9.2	8.6	8.8	11.5	11.2	11.4	8.3	8.0	8.2	7.3	2.5	5.0
5	9.8	9.2	9.5	11.2	10.7	11.0	8.4	8.2	8.3	9.5	5.8	7.3
6	10.5	9.8	10.4	10.8	10.6	10.7	8.4	8.2	8.2	9.4	7.2	8.2
7	10.6	10.4	10.5	10.7	10.3	10.5	8.3	8.1	8.2	8.0	4.3	5.4
8	11.0	10.6	10.8	10.4	9.9	10.2	8.7	8.3	8.4	4.5	4.0	4.3
9	11.5	11.0	11.2	10.0	9.6	9.8	8.4	7.7	7.9	4.8	4.1	4.4
10	11.5	11.2	11.4	9.7	9.0	9.4	7.7	7.5	7.6	5.1	3.8	4.5
11	11.2	10.8	11.0	9.7	9.0	9.5	7.6	7.0	7.4	4.6	2.9	3.8
12	10.8	10.7	10.8	9.8	9.3	9.6	7.0	6.4	6.7	4.0	2.6	3.7
13	10.7	10.5	10.6	9.6	9.4	9.5	6.4	6.0	6.2	5.7	3.9	4.9
14	10.5	10.2	10.4	---	---	---	6.1	5.9	6.0	6.5	5.2	5.6
15	10.2	10.0	10.1	---	---	---	6.1	5.7	5.9	6.2	4.3	5.0
16	10.0	9.9	10	---	---	---	6.3	5.8	6.0	5.2	3.8	4.6
17	9.9	9.7	9.8	---	---	---	6.2	5.6	5.9	5.9	3.3	4.9
18	9.7	9.5	9.6	---	---	---	5.7	4.9	5.3	7.1	5.1	5.7
19	9.8	9.5	9.7	7.3	6.9	7.1	5.9	4.5	5.2	---	---	---
20	9.8	9.0	9.3	8.1	7.1	7.5	5.9	4.7	5.3	---	---	---
21	9.0	8.3	8.6	8.2	7.9	8.0	6.5	4.7	5.5	---	---	---
22	8.9	8.4	8.7	8.6	8.2	8.5	8.7	5.3	6.5	---	---	---
23	8.7	8.3	8.5	8.7	8.3	8.5	8.9	6.3	7.2	---	---	---
24	8.5	8.3	8.4	8.8	8.6	8.8	8.3	6.1	7.1	6.0	3.6	5.2
25	8.8	8.4	8.5	8.6	8.3	8.4	10.3	6.1	8.2	---	3.2	4.4
26	9.5	8.8	9.2	8.5	8.3	8.3	9.2	8.1	8.6	12.7	3.0	5.6
27	9.8	9.5	9.7	8.4	8.2	8.4	8.5	7.4	7.9	11.5	7.4	9.8
28	9.7	9.4	9.5	8.5	8.2	8.4	10.2	7.1	8.7	11.0	6.4	8.5
29	---	---	---	8.5	8.1	8.3	9.8	6.9	8.5	7.9	3.9	5.9
30	---	---	---	8.1	7.7	7.9	9.2	6.9	8.4	5.4	1.5	3.6
31	---	---	---	8.9	8.0	8.6	---	---	---	4.4	0.5	2.8

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	5.3	0.8	3.1	2.7	0.1	0.8	4.8	2.0	3.6	6.1	2.3	4.0
2	7.0	4.0	5.5	4.5	0.5	2.8	7.6	2.1	4.6	6.2	1.9	4.1
3	6.1	4.1	5.1	5.2	1.9	3.5	6.8	3.1	4.3	6.5	2.2	4.5
4	6.0	3.2	4.5	6.1	3.2	4.4	6.7	2.4	3.8	6.5	2.9	4.8
5	5.0	2.5	3.7	5.6	---	---	5.9	1.8	3.6	7.6	3.0	4.9
6	6.4	2.8	4.0	---	---	---	5.9	1.7	3.4	6.8	2.2	4.1
7	6.4	3.7	4.6	---	---	---	9.5	1.5	4.9	---	2.0	---
8	6.2	2.8	4.6	---	---	---	8.5	3.1	5.7	---	1.7	---
9	4.9	2.8	4.0	---	---	---	7.0	3.3	4.9	---	1.8	---
10	4.7	0.5	3.0	---	---	---	5.7	2.5	4.0	---	2.0	---
11	3.6	1.2	2.8	---	---	---	4.6	2.3	3.5	10.4	5.7	8.1
12	6.6	2.5	4.9	---	---	---	5.3	1.3	3.8	9.8	6.2	8.0
13	7.3	3.8	5.8	---	---	---	5.6	1.9	3.8	8.9	4.9	6.6
14	8.7	5.4	6.7	---	---	---	6.8	1.8	4.5	5.9	4.3	5.1
15	7.6	3.4	5.2	---	---	---	---	---	---	7.4	3.0	4.5
16	7.0	4.4	6.4	7.5	---	---	---	---	---	6.2	0.7	3.1
17	7.1	4.6	5.4	7.0	2.6	4.7	---	---	---	4.9	1.3	3.0
18	7.6	5.3	6.6	8.2	3.7	5.6	---	---	---	5.8	1.2	3.5
19	7.8	5.1	6.3	8.9	4.3	6.2	---	---	---	6.6	2.5	4.4
20	6.3	4.3	5.2	7.6	3.4	5.5	6.4	3.2	5.7	6.7	0.0	3.3
21	5.4	3.2	4.2	7.5	3.0	5.0	5.7	2.1	3.8	0.1	0.0	0.0
22	4.9	2.5	3.7	8.2	2.1	4.5	5.1	2.6	3.8	---	0.0	---
23	4.1	1.3	2.7	8.2	2.3	4.8	6.8	2.5	4.2	---	1.7	---
24	3.0	0.2	1.5	5.2	0.0	3.0	8.5	2.5	5.4	8.5	3.3	7.2
25	5.6	0.4	2.5	4.4	0.0	1.9	---	2.6	---	6.3	4.7	5.5
26	8.7	4.1	5.8	5.6	0.6	3.2	---	---	---	6.2	4.8	5.7
27	8.4	4.8	6.4	6.0	2.6	4.4	---	---	---	5.9	5.1	5.5
28	7.0	0.1	4.0	5.4	1.7	3.9	9.5	---	---	5.3	3.8	4.4
29	3.8	1.4	2.8	7.0	2.9	5.2	8.9	4.4	6.3	4.5	2.1	3.2
30	2.6	0.1	1.2	8.5	2.2	5.5	6.6	4.0	5.0	4.1	1.1	2.8
31	---	---	---	7.3	3.0	5.2	6.3	2.4	4.2	---	---	---

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

PH, WH, FIELD, STANDARD UNITS, DECEMBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	---	---	---	---	7.3	7.2	7.1	7.0	7.6	7.5
2	---	---	---	---	---	---	7.4	7.3	7.1	7.1	7.7	7.6
3	---	---	---	---	---	---	7.4	7.4	7.1	7.1	7.8	7.7
4	---	---	---	---	---	---	7.4	7.4	7.2	7.1	7.8	7.8
5	---	---	---	---	---	---	7.4	7.4	7.2	7.2	7.8	7.7
6	---	---	---	---	---	---	7.5	7.4	7.3	7.2	7.7	7.7
7	---	---	---	---	7.0	7.0	7.4	7.4	7.3	7.2	7.7	7.7
8	---	---	---	---	7.0	7.0	7.4	7.4	7.3	7.3	7.7	7.7
9	---	---	---	---	7.1	7.0	7.4	7.4	7.4	7.3	7.8	7.7
10	---	---	---	---	7.1	7.1	7.4	7.3	7.4	7.4	7.9	7.7
11	---	---	---	---	7.1	7.1	7.3	7.3	7.4	7.3	7.9	7.8
12	---	---	---	---	7.2	7.1	7.3	7.3	7.4	7.3	7.8	7.7
13	---	---	---	---	7.2	7.1	7.3	7.3	7.4	7.3	7.7	7.7
14	---	---	---	---	7.1	7.0	7.4	7.3	7.4	7.4	---	---
15	---	---	---	---	7.1	7.0	7.4	7.4	7.4	7.4	---	---
16	---	---	---	---	7.0	6.9	---	---	7.5	7.4	---	---
17	---	---	---	---	6.9	6.9	---	---	7.5	7.4	---	---
18	---	---	---	---	6.9	6.9	---	---	7.5	7.4	---	---
19	---	---	---	---	7.0	6.9	---	---	7.6	7.5	7.4	7.3
20	---	---	---	---	7.0	6.9	---	---	7.6	7.4	7.5	7.3
21	---	---	---	---	7.0	7.0	---	---	7.5	7.3	7.4	7.3
22	---	---	---	---	7.0	7.0	---	---	7.4	7.3	7.3	7.3
23	---	---	---	---	7.0	7.0	---	---	7.4	7.2	7.3	7.1
24	---	---	---	---	7.0	7.0	---	---	7.3	7.2	7.1	7.1
25	---	---	---	---	7.1	7.0	---	---	7.4	7.3	7.1	7.1
26	---	---	---	---	7.1	7.0	---	---	7.5	7.4	7.3	7.1
27	---	---	---	---	7.1	7.1	---	---	7.6	7.5	7.2	7.2
28	---	---	---	---	7.1	7.1	---	---	7.5	7.5	7.3	7.2
29	---	---	---	---	7.2	7.1	---	---	---	---	7.3	7.3
30	---	---	---	---	7.2	7.2	---	---	---	---	7.4	7.3
31	---	---	---	---	7.2	7.2	---	---	---	---	7.4	7.1

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.3	7.2	7.9	7.4	7.4	7.2	7.4	7.3	7.9	7.7	7.8	7.6
2	7.3	7.2	7.9	7.6	7.5	7.2	7.6	7.3	8.1	7.7	7.7	7.5
3	7.2	7.1	7.6	7.3	7.4	7.3	7.7	7.3	8.0	7.7	7.8	7.6
4	7.2	7.1	7.5	7.2	7.5	7.3	7.9	7.5	7.9	7.6	7.8	7.6
5	7.2	7.2	7.7	7.3	7.5	7.3	7.8	7.3	7.9	7.6	7.8	7.6
6	7.4	7.2	7.7	7.4	7.7	7.3	7.4	7.3	7.8	7.6	7.8	7.6
7	7.4	7.3	7.5	7.0	7.7	7.4	7.4	7.3	8.3	7.6	7.8	7.6
8	7.5	7.3	7.0	7.0	7.7	7.4	7.4	7.3	8.1	7.7	7.8	7.7
9	7.3	7.3	7.0	7.0	7.5	7.4	7.4	7.3	8.0	7.7	8.0	7.6
10	7.4	7.3	7.0	6.9	7.5	7.3	7.4	7.3	7.8	7.7	8.2	7.7
11	7.5	7.4	7.0	6.9	7.5	7.3	7.4	7.3	7.8	7.5	8.4	7.8
12	7.4	7.3	7.0	6.9	7.7	7.4	7.4	7.3	7.7	7.5	8.3	8.1
13	7.3	7.3	7.2	6.9	7.9	7.4	7.4	7.3	7.7	7.5	8.3	8.0
14	7.3	7.2	7.3	7.1	7.9	7.6	7.4	7.3	7.8	7.5	8.0	7.8
15	7.3	7.2	7.3	7.0	7.8	7.4	7.4	7.3	---	---	8.1	7.8
16	7.4	7.3	7.1	6.9	7.7	7.6	7.9	7.3	---	---	8.0	7.7
17	7.3	7.3	7.0	6.9	7.7	7.5	7.8	7.4	---	---	7.8	7.7
18	7.3	7.3	7.1	7.0	7.8	7.6	7.9	7.5	---	---	7.9	7.7
19	7.4	7.3	7.1	7.0	7.8	7.6	8.1	7.5	---	---	7.9	7.7
20	7.4	7.3	7.2	7.0	7.8	7.6	8.0	7.5	7.9	7.7	7.8	7.4
21	7.4	7.2	7.2	7.0	7.8	7.6	7.9	7.4	7.9	7.5	7.5	7.4
22	7.6	7.2	7.3	7.0	7.7	7.6	7.9	7.4	7.7	7.5	7.6	7.5
23	7.6	7.3	7.3	7.0	7.7	7.5	8.0	7.4	7.7	7.5	7.8	7.5
24	7.5	7.3	7.3	7.0	7.6	7.5	7.6	7.3	7.8	7.4	8.1	7.6
25	8.4	7.3	8.0	7.1	7.8	7.5	7.6	7.4	7.7	7.4	7.9	7.8
26	8.1	7.8	8.8	7.1	8.2	7.8	7.7	7.4	7.8	7.4	7.9	7.5
27	7.8	7.6	8.7	7.6	8.3	8.0	7.7	7.5	7.9	7.4	7.5	7.4
28	8.2	7.5	8.6	7.5	8.3	7.3	7.6	7.5	8.0	7.5	7.5	7.3
29	8.0	7.5	8.0	7.3	7.4	7.2	7.9	7.6	8.0	7.6	7.4	7.3
30	7.8	7.4	7.4	7.2	7.4	7.2	8.1	7.7	7.8	7.6	7.4	7.2
31	---	---	7.4	7.2	---	---	8.1	7.7	7.7	7.5	---	---

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, DECEMBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	93	89	91
2	---	---	---	---	---	---	---	---	---	98	92	94
3	---	---	---	---	---	---	---	---	---	96	92	94
4	---	---	---	---	---	---	---	---	---	101	96	98
5	---	---	---	---	---	---	---	---	---	105	99	102
6	---	---	---	---	---	---	---	---	---	99	91	94
7	---	---	---	---	---	---	---	---	---	99	92	96
8	---	---	---	---	---	---	76	72	74	99	96	97
9	---	---	---	---	---	---	78	76	77	109	96	104
10	---	---	---	---	---	---	82	78	80	109	108	109
11	---	---	---	---	---	---	88	82	84	110	107	108
12	---	---	---	---	---	---	96	79	88	107	106	106
13	---	---	---	---	---	---	85	67	78	111	106	108
14	---	---	---	---	---	---	76	67	73	119	111	114
15	---	---	---	---	---	---	80	76	78	130	119	125
16	---	---	---	---	---	---	78	66	70	136	127	132
17	---	---	---	---	---	---	67	62	64	141	133	135
18	---	---	---	---	---	---	65	63	64	144	139	142
19	---	---	---	---	---	---	66	63	65	142	135	139
20	---	---	---	---	---	---	71	66	69	142	136	140
21	---	---	---	---	---	---	71	70	71	144	136	141
22	---	---	---	---	---	---	71	71	71	137	117	133
23	---	---	---	---	---	---	74	71	72	117	89	95
24	---	---	---	---	---	---	73	71	72	94	52	72
25	---	---	---	---	---	---	75	73	74	78	53	69
26	---	---	---	---	---	---	79	75	77	81	68	75
27	---	---	---	---	---	---	81	79	80	68	44	51
28	---	---	---	---	---	---	81	80	81	47	44	46
29	---	---	---	---	---	---	83	81	82	52	47	50
30	---	---	---	---	---	---	88	83	84	55	52	53
31	---	---	---	---	---	---	89	86	87	57	53	55

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	59	56	58	122	112	117	109	83	102	214	206	209
2	62	59	61	133	122	127	109	77	101	216	205	210
3	66	62	64	140	132	136	77	63	67	217	201	211
4	70	66	68	144	138	141	83	71	77	211	199	204
5	70	70	70	151	143	146	89	83	86	213	198	206
6	72	69	70	156	146	151	95	89	92	241	208	228
7	73	69	71	161	153	158	99	95	97	241	135	172
8	77	73	76	165	158	160	101	87	96	135	127	131
9	89	77	84	165	160	162	102	87	95	139	128	133
10	87	85	86	166	160	162	113	102	107	138	130	134
11	87	85	86	176	165	171	126	113	120	135	128	131
12	88	85	87	172	156	164	120	103	108	142	133	136
13	92	88	91	---	---	---	117	110	115	163	141	152
14	96	92	94	---	---	---	122	117	119	237	163	192
15	100	96	98	---	---	---	135	122	128	243	165	211
16	106	100	103	---	---	---	146	134	139	165	147	152
17	108	104	106	---	---	---	159	146	149	152	141	147
18	112	108	110	---	---	---	164	159	161	150	146	148
19	118	99	113	159	153	155	169	159	165	162	150	157
20	103	82	92	159	112	133	178	168	173	167	157	163
21	109	91	102	117	97	104	181	175	178	174	163	168
22	100	89	94	110	99	105	189	175	181	178	167	173
23	90	73	77	110	82	96	188	176	184	192	174	182
24	86	75	81	86	81	83	188	182	185	191	183	188
25	98	86	92	92	85	89	192	185	189	200	189	193
26	103	96	98	96	92	94	198	191	194	228	199	211
27	104	97	102	97	94	95	206	198	202	219	207	214
28	112	104	108	107	95	101	212	205	208	242	218	227
29	---	---	---	117	107	112	216	205	209	268	234	245
30	---	---	---	121	109	119	212	202	207	267	241	250
31	---	---	---	110	74	85	---	---	---	254	247	249

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

SPECIFIC CONDUCTANCE, US/CM @ 25 DEGREES CELSIUS, DECEMBER 2001 TO SEPTEMBER 2002--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	255	253	255	317	299	309	435	427	431	495	485	489
2	266	255	258	301	285	292	430	416	423	500	492	495
3	296	266	286	295	288	291	424	417	420	503	497	500
4	307	295	301	295	288	292	434	423	426	507	502	504
5	311	307	309	301	284	293	441	427	431	512	504	508
6	321	310	314	304	298	299	445	433	438	518	511	514
7	329	319	323	315	303	309	445	434	441	524	515	520
8	335	327	331	318	314	315	448	441	444	531	522	526
9	336	332	334	322	314	317	449	442	446	538	529	532
10	366	336	351	323	318	319	456	445	449	542	534	538
11	373	362	366	321	307	313	465	454	460	543	536	540
12	385	361	367	309	303	306	462	458	461	549	539	543
13	427	383	413	311	303	305	466	460	462	552	547	549
14	385	364	371	313	283	307	470	463	467	566	551	556
15	368	364	366	308	297	305	---	---	---	563	556	560
16	378	363	368	304	287	293	---	---	---	566	560	562
17	392	378	385	318	295	305	---	---	---	566	563	564
18	407	391	397	338	317	324	---	---	---	569	564	566
19	416	404	409	353	337	346	---	---	---	576	559	571
20	424	415	418	358	337	349	493	468	487	559	377	420
21	437	424	429	338	325	330	479	436	462	433	378	390
22	438	436	437	327	315	325	466	453	459	487	420	452
23	441	438	439	331	325	328	456	453	454	519	487	500
24	450	439	444	338	315	326	457	449	454	531	518	522
25	457	448	452	370	338	356	455	448	451	532	504	527
26	466	456	460	369	351	362	456	450	452	531	198	411
27	469	460	465	376	365	370	458	452	455	232	187	209
28	482	211	377	388	363	371	465	453	459	238	210	227
29	245	180	214	419	385	403	465	461	463	243	209	228
30	318	241	296	449	418	437	487	465	470	243	230	240
31	---	---	---	448	433	442	495	475	481	---	---	---

WATER TEMPERATURE, DEGREES CELSIUS, DECEMBER 2001 TO SEPTEMBER 2002

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		OCTOBER			NOVEMBER			DECEMBER			JANUARY	
1	---	---	---	---	---	---	---	---	---	5.6	5.0	5.3
2	---	---	---	---	---	---	---	---	---	5.2	4.3	4.7
3	---	---	---	---	---	---	---	---	---	4.6	3.7	4.0
4	---	---	---	---	---	---	---	---	---	3.8	3.1	3.5
5	---	---	---	---	---	---	---	---	---	3.6	3.3	3.4
6	---	---	---	---	---	---	---	---	---	4.7	3.6	4.1
7	---	---	---	---	---	---	---	---	---	4.6	4.0	4.3
8	---	---	---	---	---	---	14.4	13.8	14.2	4.6	3.6	4.1
9	---	---	---	---	---	---	14.0	13.1	13.4	6.3	4.3	5.1
10	---	---	---	---	---	---	13.3	12.8	13.0	7.9	6.3	7.0
11	---	---	---	---	---	---	13.0	12.3	12.4	8.8	7.9	8.3
12	---	---	---	---	---	---	12.9	12.3	12.4	8.5	8.0	8.3
13	---	---	---	---	---	---	13.2	12.8	13.0	8.5	7.7	8.1
14	---	---	---	---	---	---	13.2	12.3	12.7	8.9	8.0	8.4
15	---	---	---	---	---	---	12.3	11.8	12.0	8.9	7.7	8.3
16	---	---	---	---	---	---	13.6	12.1	12.8	8.4	7.8	8.2
17	---	---	---	---	---	---	14.5	13.6	14.2	8.9	8.2	8.4
18	---	---	---	---	---	---	13.9	13.1	13.4	8.5	7.7	8.0
19	---	---	---	---	---	---	13.1	12.4	12.7	7.7	6.9	7.4
20	---	---	---	---	---	---	12.6	11.9	12.3	7.0	6.6	6.8
21	---	---	---	---	---	---	12.3	11.6	11.9	7.8	6.8	7.3
22	---	---	---	---	---	---	11.7	11.0	11.3	7.9	7.1	7.4
23	---	---	---	---	---	---	11.7	10.7	11.3	11.6	7.9	10.1
24	---	---	---	---	---	---	10.7	9.7	10.0	13.3	11.4	12.3
25	---	---	---	---	---	---	9.7	8.6	9.0	11.6	10.6	11.2
26	---	---	---	---	---	---	8.6	8.1	8.4	12.3	10.9	11.5
27	---	---	---	---	---	---	8.3	7.4	7.8	12.0	11.2	11.7
28	---	---	---	---	---	---	8.2	7.4	7.8	11.5	10.7	11.1
29	---	---	---	---	---	---	8.0	7.3	7.6	12.6	11.5	12.0
30	---	---	---	---	---	---	7.3	6.5	6.8	14.0	12.6	13.2
31	---	---	---	---	---	---	6.5	5.6	5.9	15.7	14.0	14.8

0728875070 DEER CREEK EAST OF LELAND, MS--Continued

WATER TEMPERATURE, DEGREES CELSIUS, DECEMBER 2001 TO SEPTEMBER 2002--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		FEBRUARY			MARCH			APRIL			MAY	
1	15.2	13.9	14.3	8.6	8.1	8.3	16.5	14.2	15.2	25.7	24.6	25.1
2	13.9	13.2	13.5	8.3	7.5	8.0	17.1	15.3	16.3	26.4	25.1	25.8
3	13.3	12.7	12.9	7.5	6.4	6.9	16.7	14.7	15.4	25.1	23.2	24.0
4	12.7	11.4	12.2	7.0	5.2	6.1	15.1	13.9	14.6	23.2	22.0	22.3
5	11.4	9.2	10.2	7.8	6.1	6.9	15.4	13.8	14.7	22.6	21.1	21.7
6	9.2	7.9	8.3	8.8	7.6	8.1	15.9	14.2	15.2	23.7	22.3	22.9
7	8.0	7.6	7.8	10.6	8.8	9.5	16.6	15.0	15.8	23.3	22.4	22.9
8	8.2	7.1	7.7	12.6	10.4	11.5	16.6	15.7	16.2	24.2	23.1	23.5
9	8.1	7.1	7.7	14.8	12.6	13.6	16.5	15.3	15.9	24.4	23.8	24.1
10	8.1	7.5	7.8	13.0	11.9	12.4	18.0	15.9	16.9	24.2	23.3	23.7
11	8.7	7.5	8.1	12.6	11.0	11.7	19.0	17.3	18.1	24.4	23.6	23.9
12	8.9	7.6	8.3	11.0	10.3	10.7	19.8	18.3	19.0	26.0	23.9	25.0
13	9.7	8.5	9.1	---	---	---	21.1	19.3	20.1	26.2	23.8	25.2
14	9.4	8.5	9.0	---	---	---	21.8	20.8	21.1	24.1	22.3	23.1
15	9.6	8.9	9.3	---	---	---	22.9	21.4	21.9	23.9	22.4	23.0
16	10.3	9.0	9.6	---	---	---	24.0	22.6	23.1	23.9	22.2	22.9
17	11.0	9.7	10.2	---	---	---	24.5	23.4	23.8	24.3	23.0	23.7
18	11.3	10.1	10.6	---	---	---	25.1	24.0	24.5	23.1	21.6	22.1
19	13.0	10.8	11.5	18.2	15.8	17.3	25.7	24.6	25.1	21.9	19.7	20.2
20	14.6	12.7	13.7	18.4	15.6	17.1	25.6	24.7	25.1	20.3	19.8	20.0
21	14.0	13.1	13.5	16.1	14.9	15.5	25.8	24.7	25.1	21.0	19.9	20.2
22	13.2	12.6	12.9	15.1	13.0	13.7	25.9	24.3	24.8	21.1	20.1	20.7
23	12.8	11.7	12.4	13.6	12.4	13.1	24.8	23.6	23.9	21.5	21.0	21.4
24	12.9	11.7	12.4	14.3	12.2	13.2	24.1	23.2	23.5	22.3	21.5	22.0
25	13.3	12.1	12.7	15.8	13.8	14.7	24.4	22.8	23.4	23.8	22.2	22.8
26	13.1	10.1	11.8	15.8	13.2	14.4	22.8	19.4	21.0	25.7	23.2	23.9
27	10.1	8.6	9.1	14.0	12.4	13.2	19.8	18.7	19.1	24.8	24.2	24.5
28	9.4	8.1	8.7	15.2	13.1	14.0	22.7	19.7	20.8	26.0	24.7	25.3
29	---	---	---	17.5	15.2	16.1	23.1	21.8	22.4	26.0	25.4	25.7
30	---	---	---	17.6	15.8	17.0	24.7	23.1	24.2	25.8	25.4	25.5
31	---	---	---	15.8	14.2	14.6	---	---	---	25.9	25.3	25.5

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
		JUNE			JULY			AUGUST			SEPTEMBER	
1	27.2	25.7	26.4	28.6	27.0	27.8	31.1	29.1	30.2	28.9	27.7	28.3
2	28.5	27.2	27.8	29.1	28.5	28.8	31.8	30.2	30.9	28.8	27.5	28.2
3	29.4	28.4	28.7	30.0	29.1	29.3	32.1	30.6	31.2	29.2	27.7	28.4
4	29.8	28.8	29.2	31.0	29.3	29.9	32.1	30.8	31.4	29.2	28.2	28.8
5	30.4	29.1	29.6	30.8	29.8	30.2	32.0	30.7	31.4	29.5	28.1	28.8
6	30.5	29.2	29.7	31.8	30.6	31.0	32.4	30.5	31.3	28.9	27.6	28.4
7	30.0	28.2	28.8	31.9	30.9	31.3	31.9	30.7	31.3	28.6	27.8	28.2
8	29.7	28.3	28.8	32.0	31.2	31.5	30.8	29.1	29.9	28.2	27.1	27.7
9	29.0	28.2	28.5	31.9	31.1	31.5	30.4	29.2	29.9	27.9	26.5	27.1
10	28.8	27.9	28.2	32.1	31.2	31.6	30.0	28.9	29.5	29.1	26.3	27.5
11	28.4	27.6	27.9	32.4	31.4	31.8	29.6	28.7	29.2	29.7	27.4	28.3
12	29.2	28.1	28.5	32.0	30.9	31.3	29.6	28.7	29.1	30.4	27.2	28.6
13	30.2	29.0	29.4	31.0	29.8	30.5	29.8	28.2	28.9	29.6	27.4	28.5
14	30.0	29.0	29.5	30.9	29.8	30.1	29.4	28.2	28.8	28.6	27.6	28.1
15	29.4	27.6	28.2	30.0	28.9	29.4	---	---	---	29.1	27.5	28.1
16	28.9	26.4	27.4	30.8	29.1	29.9	---	---	---	29.3	27.4	28.1
17	26.7	25.1	25.7	30.8	28.8	29.7	---	---	---	28.4	27.3	27.8
18	27.4	25.9	26.4	31.2	29.3	30.3	---	---	---	28.0	26.8	27.3
19	27.5	26.6	27.0	33.1	30.1	31.2	---	---	---	27.7	26.7	27.2
20	28.0	26.6	27.1	33.7	30.2	31.6	30.5	29.1	29.7	27.4	25.9	26.5
21	28.6	27.4	27.8	34.0	30.8	31.9	30.7	28.7	29.5	26.6	25.6	26.0
22	28.6	27.6	28.1	34.3	30.7	31.8	30.7	29.5	30.2	26.5	25.5	26.0
23	28.3	27.3	27.8	33.8	30.5	31.9	31.3	29.6	30.4	25.5	23.9	24.6
24	27.9	27.0	27.4	32.1	29.6	30.5	32.9	29.7	30.9	23.9	22.5	23.0
25	28.3	26.8	27.4	31.2	29.4	30.2	31.2	29.5	30.2	22.6	21.6	22.0
26	28.4	27.3	27.9	31.4	29.6	30.4	31.5	29.1	30.0	21.6	20.6	21.2
27	28.4	27.4	27.7	32.0	30.0	30.9	30.7	28.9	29.7	22.5	20.2	21.1
28	27.4	25.6	26.4	31.9	30.2	31.1	31.1	28.3	29.5	24.1	21.4	22.2
29	25.6	25.0	25.4	32.1	30.4	31.3	30.0	28.1	28.9	24.5	22.9	23.5
30	27.0	25.6	26.3	32.7	30.6	31.6	29.1	28.1	28.5	25.4	24.0	24.5
31	---	---	---	32.0	30.5	31.2	28.9	27.6	28.3	---	---	---

07288955 YAZOO RIVER BELOW STEELE BAYOU NEAR LONG LAKE, MS
(National Water-Quality Assessment station)

LOCATION.--Lat 32°26'35", long 90°54'51", in SE1/4 SE1/4 sec.4, T.17 N., R.3 E., Washington Meridian, Warren County, Hydrologic Unit 08030208, on left bank at downstream abandoned Eagle Lake Ferries site, 1.5 mi downstream from Steele Bayou, 2.5 mi northwest of Long Lake, and at river mile 9.5 upstream of the confluence of the Yazoo River Diversion Canal with the Mississippi River.

DRAINAGE AREA.--13,355 mi², approximately, U.S. Army Corps of Engineers.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder and acoustic Doppler velocity meter. Datum of gage is NGVD of 1929 (U.S. Army Corps of Engineers benchmark).

REMARKS.--Estimated daily discharges: Oct. 1-3,, Nov. 27-30, Dec. 1-31, Jan. 1-31, Feb. 1-28, Mar. 1-31, Apr. 1-23, May 23-31, Jun. 1-27, Jul. 1-12, 19-22, Aug. 12-31, and Sept. 1-18, 26-30. Records are poor. Satellite telemeter at station.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e8800	10500	e34000	e62600	e54000	e32300	e20000	20400	e13100	e17700	14700	e13000
2	e8900	9910	e43000	e66000	e51000	e31800	e21000	19600	e13800	e15700	14200	e13100
3	e9020	9730	e52000	e68000	e47500	e31000	e22000	17400	e14300	e14900	13900	e13600
4	9090	9880	e58700	e72000	e45000	e30500	e23000	17200	e16000	e14500	13500	e13900
5	9270	9960	e58300	e70500	e43000	e30000	e24500	17500	e18200	e14000	13100	e14100
6	9730	9630	e56000	e68000	e41000	e30300	e26500	18300	e20000	e13500	13300	e14000
7	9770	9300	e52000	e64300	e40000	e29500	e28500	21300	e24100	e12700	13800	e13700
8	9780	8940	e46000	e60500	e45300	e29200	e31000	23500	e26900	e12100	13200	e13400
9	9340	8320	e43000	e58000	e46000	e29000	e32500	23800	e30200	e11600	12600	e13000
10	9380	8480	e41500	e56000	e47500	e28200	e34700	24000	e32700	e11300	12300	e12800
11	9430	6980	e40000	e54000	e49000	e27500	e34300	21600	e41500	e11200	12200	e12300
12	11000	7600	e38500	e52500	e51000	e26000	e32000	19800	e51000	e12200	e12100	e12000
13	16100	8580	e36600	e50500	e48000	e25600	e33000	18200	e51200	13200	e12200	e11800
14	24200	8860	e37300	e48000	e42000	e25200	e35000	18100	e50100	14300	e12600	e11500
15	30400	9010	e40500	e47000	e38000	e24500	e39500	17200	e37700	15900	e13500	e11400
16	31300	9400	e45000	e45000	e34000	e23000	e45000	16000	e30100	14900	e14100	e11200
17	30000	9590	e52000	e41000	e32000	e28000	e53000	15900	e24500	15200	e14900	e11000
18	28900	9860	e54500	e38000	e30500	e32000	e66400	15000	e22800	15400	e15600	e10900
19	29000	10000	e56500	e35500	e36000	e34500	e65400	15200	e20800	e15600	e16200	11800
20	28500	10100	e58100	e33000	e40000	e38000	e62700	14300	e18600	e15900	e16500	11600
21	26500	10400	e58500	e34500	e44700	e44100	e61100	13300	e16200	e15100	e16700	11600
22	23100	10600	e56500	e36000	e44000	e43500	e58100	11900	e14900	e14700	e16200	12500
23	22300	10700	e54500	e37500	e42000	e40000	e52700	e11000	e14600	14300	e15400	12900
24	21200	11500	e52300	e38700	e39000	e35000	49300	e10400	e14400	15300	e14800	13700
25	19200	11300	e50000	e38000	e36000	e31000	41000	e10300	e14000	15000	e14500	19200
26	16600	11000	e48400	e36000	e34500	e28800	35200	e10500	e17000	15500	e14000	e21500
27	16700	e12000	e47000	e41000	e34000	e26000	30300	e10800	e17800	17500	e13700	e23000
28	14400	e15500	e49000	e44000	e33000	e24400	26400	e11200	18400	17300	e13400	e24500
29	14000	e20000	e49500	e48000	---	e23500	24200	e12000	18400	16100	e13200	e24000
30	12600	e26000	e52500	e51000	---	e22000	22200	e12300	18100	14800	e13000	e23100
31	11200	---	e56400	e56200	---	e21000	---	e12900	---	14800	e12900	---
TOTAL	529710	323630	1518100	1551300	1168000	925400	1130500	500900	721400	452200	432300	436100
MEAN	17090	10790	48970	50040	41710	29850	37680	16160	24050	14590	13950	14540
MAX	31300	26000	58700	72000	54000	44100	66400	24000	51200	17700	16700	24500
MIN	8800	6980	34000	33000	30500	21000	20000	10300	13100	11200	12100	10900
CFSM	1.28	0.81	3.67	3.75	3.12	2.24	2.82	1.21	1.80	1.09	1.04	1.09
IN.	1.48	0.90	4.23	4.32	3.25	2.58	3.15	1.40	2.01	1.26	1.20	1.21

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	9697	11060	22440	29800	30460	28650	29040	13400	14310	11220	10380	10720
MAX	17090	14330	48970	50040	45070	49290	43620	29700	24420	21180	14730	15150
(WY)	2002	1997	2002	2002	1997	2001	1997	1997	1997	1997	1997	2001
MIN	4819	6953	6382	3996	3650	12200	9416	3499	4309	4335	5267	5328
(WY)	1999	2000	2000	2000	2000	1996	1998	2001	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1996 - 2002	
ANNUAL TOTAL	7569580		9689540			
ANNUAL MEAN	20740		26550		18360	
HIGHEST ANNUAL MEAN					26550	2002
LOWEST ANNUAL MEAN					10270	2000
HIGHEST DAILY MEAN	67900	Mar 16	72000	Jan 4	72000	Jan 4 2002
LOWEST DAILY MEAN	300	May 25	6980	Nov 11	-3750	May 20 1996
ANNUAL SEVEN-DAY MINIMUM	351	May 22	8250	Nov 8	-2160	May 17 1996
MAXIMUM PEAK FLOW			72000a	Jan 4	72100	Feb 27 1999
MAXIMUM PEAK STAGE			93.52b	May 3	98.31	Mar 25 1997
ANNUAL RUNOFF (CFSM)	1.55		1.99		1.38	
ANNUAL RUNOFF (INCHES)	21.08		26.99		18.68	
10 PERCENT EXCEEDS	49700		51500		41000	
50 PERCENT EXCEEDS	12700		21000		13000	
90 PERCENT EXCEEDS	5120		10700		4980	

e Estimated
a Maximum observed, may have been higher during estimated periods.
b From floodmark.

07288955 YAZOO RIVER BELOW STEELE BAYOU NEAR LONG LAKE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1995 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: June 1996 to January 1998.
WATER TEMPERATURE: June 1996 to January 1998.

INSTRUMENTATION.--Specific conductance and water temperature data logger from June 1996 to January 1998.

REMARKS.--Site affected by backwater from the Mississippi River. Little Sunflower River Drainage Structure WY02 closure dates: Oct. 22-23, Oct. 26-Nov. 28, Jan. 14-24, Feb. 4-Mar. 22, Mar. 27-June 14, June 17-Sept. 28 (furnished by U.S. Army Corps of Engineers). Steele Bayou Drainage Structure WY02 closure dates: Feb. 7, Feb. 19, Apr. 2-4, Apr. 27-28, Apr. 30-May 7, May 13-14, May 16-June 12 (furnished by U.S. Army Corps of Engineers). Twice-daily measurements of specific conductance and water temperature collected by local observer from June 1996 to January 1998. In water years 1961-62 and 1972-93, data were collected 8.5 mi upstream (station 07288800).

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SAM-PLING DEPTH (FEET) (00003)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)
NOV												
08...	1200	9420	--	760	8.6	6.9	90	17.0	28	34	124	--
08...	1230	--	1.00	--	8.6	7.0	89	17.0	--	--	--	75.0
08...	1231	--	17.0	--	8.5	6.9	89	17.0	--	--	--	75.0
08...	1232	--	1.00	--	8.5	6.9	90	17.0	--	--	--	150
08...	1233	--	27.0	--	8.5	7.0	90	17.0	--	--	--	150
08...	1234	--	1.00	--	8.6	6.9	90	17.0	--	--	--	250
08...	1235	--	16.0	--	8.6	6.9	90	17.0	--	--	--	250
DEC												
04...	1200	58700	--	760	7.1	7.1	72	11.5	21	25	590	--
JAN												
11...	1200	54000	--	760	10.1	6.5	77	6.5	23	28	433	--
FEB												
08...	1200	45300	--	767	10.2	7.1	67	9.0	25	31	156	--
08...	1201	--	1.00	--	10.4	6.3	66	9.0	--	--	--	250
08...	1202	--	40.0	--	10.2	6.3	67	9.0	--	--	--	250
08...	1203	--	1.00	--	10.4	6.4	67	9.0	--	--	--	350
08...	1204	--	55.0	--	10.2	6.3	67	9.0	--	--	--	350
08...	1205	--	1.00	--	10.1	6.3	69	9.0	--	--	--	450
08...	1206	--	36.0	--	9.9	6.3	70	9.0	--	--	--	450
MAR												
06...	1200	30200	--	758	11.1	7.2	66	8.5	20	25	257	--
06...	1231	--	1.00	--	10.8	7.2	65	8.5	--	--	--	100
06...	1232	--	34.0	--	10.7	7.2	65	8.5	--	--	--	100
06...	1233	--	1.00	--	11.1	7.2	64	8.5	--	--	--	200
06...	1234	--	37.0	--	10.7	7.2	66	8.5	--	--	--	200
06...	1235	--	1.00	--	11.4	7.2	66	8.5	--	--	--	300
06...	1236	--	17.0	--	11.0	7.2	66	8.5	--	--	--	300
APR												
12...	1200	32000	--	765	6.5	7.0	67	17.5	30	36	156	--
12...	1231	--	1.00	--	6.7	--	67	17.5	--	--	--	150
12...	1232	--	43.0	--	6.4	--	68	17.5	--	--	--	150
12...	1233	--	1.00	--	6.7	--	67	17.5	--	--	--	250
12...	1234	--	58.2	--	6.3	--	66	17.5	--	--	--	250
12...	1235	--	1.00	--	7.1	--	67	17.5	--	--	--	350
12...	1236	--	48.0	--	6.6	--	65	17.5	--	--	--	350
MAY												
10...	1200	22400	--	763	5.2	6.6	89	22.5	27	33	113	--
10...	1201	--	1.00	--	5.5	6.8	95	22.5	--	--	--	200
10...	1202	--	25.0	--	5.3	6.6	86	22.0	--	--	--	200
10...	1203	--	1.00	--	5.2	6.7	92	22.5	--	--	--	300
10...	1204	--	48.0	--	5.0	6.5	82	22.0	--	--	--	300
10...	1205	--	1.00	--	5.0	6.6	89	22.5	--	--	--	400
10...	1206	--	40.0	--	5.0	6.5	80	22.0	--	--	--	400
JUN												
27...	1200	17800	--	768	4.7	6.7	127	27.5	41	50	129	--
JUL												
09...	1200	11600	--	766	5.8	6.9	99	29.5	33	40	146	--
09...	1201	--	1.00	--	5.8	7.0	98	30.0	--	--	--	75.0
09...	1202	--	20.0	--	5.4	7.0	95	29.5	--	--	--	75.0
09...	1203	--	1.00	--	5.8	7.0	101	30.0	--	--	--	175
09...	1204	--	34.0	--	5.3	6.9	98	29.5	--	--	--	175
09...	1205	--	1.00	--	5.6	6.9	104	29.5	--	--	--	300
09...	1206	--	29.0	--	5.3	6.9	99	29.5	--	--	--	300
AUG												
19...	1200	16200	--	761	6.6	7.2	180	29.0	68	83	709	--
19...	1201	--	1.00	--	6.2	6.6	156	29.0	--	--	--	75.0
19...	1202	--	22.0	--	6.2	6.9	165	29.0	--	--	--	75.0
19...	1203	--	1.00	--	6.6	7.2	190	29.0	--	--	--	125
19...	1204	--	19.0	--	6.1	7.0	173	29.0	--	--	--	125
19...	1205	--	1.00	--	6.6	7.2	191	29.0	--	--	--	175
19...	1206	--	17.0	--	6.2	7.1	188	29.0	--	--	--	175

07288955 YAZOO RIVER BELOW STEELE BAYOU NEAR LONG LAKE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

Date	Time	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	SULFATE DISSOLVED (MG/L AS SO4) (00945)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	ORTHOPHOSPHATE, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PERIPHYTON BIOMASS ASH WEIGHT G/SQ M (00572)	PERIPHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M (00573)	PERIPHYTON BIOMASS ASH FREE DRY G/SQ M (49954)
NOV												
08...	1200	4.28	7.3	.05	.55	.16	E.004	.03	.19	--	--	--
DEC												
04...	1200	3.42	4.7	.05	1.2	.42	.012	.06	.55	--	--	--
JAN												
11...	1200	4.01	3.6	.07	.98	.27	E.006	.05	.37	--	--	--
FEB												
08...	1200	2.92	3.8	.06	.81	.24	E.005	.05	.30	--	--	--
MAR												
06...	1200	3.22	4.7	E.03	1.7	.24	<.008	E.02	.27	--	--	--
APR												
12...	1200	2.52	4.4	E.04	.85	.29	E.006	.05	.26	--	--	--
MAY												
10...	1200	3.61	5.3	.04	.83	.62	E.005	.04	.28	--	--	--
JUN												
27...	1200	5.11	8.4	E.03	.70	.38	.013	.04	.22	--	--	--
JUL												
09...	1200	3.45	6.8	<.04	.57	.26	E.006	.04	.21	--	--	--
AUG												
19...	1200	5.27	10.6	<.04	.74	.18	<.008	.06	.44	42	45.00	2.500

Date	PHEOPHYTIN A, PERIPHYTON (MG/M2) (62359)	CHLOR-A PERIPHYTON CHROMOGRAPHIC FLUOROM (MG/M2) (70957)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DISSOLVED (UG/L) (34253)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)
NOV												
08...	--	--	<.002	<.004	<.002	<.005	.142	<.010	<.002	E.004	<.020	<.005
DEC												
04...	--	--	<.002	<.004	<.002	<.005	.029	<.010	<.002	<.041	<.030	<.005
JAN												
11...	--	--	<.006	<.006	<.004	<.005	.023	<.010	<.002	<.041	<.020	<.005
FEB												
08...	--	--	<.006	<.006	<.004	<.005	.041	<.010	<.002	<.041	<.100	<.005
MAR												
06...	--	--	<.006	<.006	<.004	<.005	.060	<.010	<.002	<.041	<.020	<.005
APR												
12...	--	--	<.006	<.006	<.004	<.005	1.81	<.010	<.002	<.041	<.020	<.005
MAY												
10...	--	--	<.006	<.006	.007	<.005	1.98	<.010	<.002	E.004	<.020	<.005
JUN												
27...	--	--	<.006	<.006	.013	<.005	.755	<.010	<.002	<.041	<.020	<.005
JUL												
09...	--	--	<.006	<.006	.009	<.005	.387	<.010	<.002	<.041	<.020	<.005
AUG												
19...	.2	.5	<.006	<.006	<.004	<.005	.318	<.010	<.002	<.041	<.020	<.005

Remark codes:
< -- Less than
E -- Estimated value

07288955 YAZOO RIVER BELOW STEELE BAYOU NEAR LONG LAKE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

Date	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)
NOV												
08...	E.013	<.003	E.018	.006	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035
DEC												
04...	E.013	<.003	<.006	E.004	<.005	<.02	<.020	<.009	<.005	<.003	<.004	<.035
JAN												
11...	<.018	<.003	<.006	<.005	<.005	<.02	<.020	<.009	<.005	<.003	<.004	<.035
FEB												
08...	E.012	<.003	<.006	.007	<.005	<.02	<.075	<.009	<.005	<.003	<.004	<.035
MAR												
06...	E.009	<.003	<.006	.007	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035
APR												
12...	<.018	<.003	E.017	E.011	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035
MAY												
10...	<.018	<.003	E.104	.011	<.005	<.02	<.002	<.009	<.005	<.003	<.004	<.035
JUN												
27...	E.016	<.003	E.068	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	E.012
JUL												
09...	.021	<.003	E.027	<.005	<.005	<.02	<.050	<.009	<.005	<.003	<.004	E.023
AUG												
19...	.148	<.003	E.025	<.005	<.005	<.02	<.002	<.009	<.005	<.003	<.004	.102

Date	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)
NOV												
08...	E.006	<.050	<.006	.034	<.006	<.002	<.007	<.003	<.007	<.002	<.010	<.006
DEC												
04...	E.020	<.050	<.006	.040	<.007	<.007	<.007	<.003	<.007	<.002	<.010	<.006
JAN												
11...	<.027	<.050	<.006	.018	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006
FEB												
08...	<.027	<.050	<.006	.030	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006
MAR												
06...	<.027	<.050	<.006	.016	<.006	<.002	<.007	<.003	<.010	<.004	<.022	<.006
APR												
12...	<.027	<.050	<.006	.368	.009	<.002	<.007	<.003	<.010	<.004	.037	<.006
MAY												
10...	E.004	<.050	<.006	1.06	.016	.006	<.007	<.003	<.010	<.004	.060	<.006
JUN												
27...	.050	<.050	<.006	.411	.015	.305	<.007	<.003	<.010	<.004	<.022	<.006
JUL												
09...	E.022	<.050	<.006	.078	<.006	.109	<.007	<.003	<.010	<.004	<.022	<.006
AUG												
19...	.063	<.050	<.006	.061	<.006	.066	<.007	<.003	<.010	<.004	<.022	<.006

Remark codes:
< -- Less than
E -- Estimated value

07288955 YAZOO RIVER BELOW STEELE BAYOU NEAR LONG LAKE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

Date	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	TER- BUTHYL- AZINE, WATER, DISS, REC (UG/L) (04022)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)
NOV												
08...	<.011	<.01	<.004	<.010	<.011	<.02	.064	E.01	<.034	<.02	U	<.005
DEC												
04...	<.011	M	<.004	<.010	<.011	<.02	.070	<.02	<.034	<.02	U	<.005
JAN												
11...	<.011	<.01	<.004	<.010	<.011	<.02	.060	<.02	<.034	<.02	U	<.005
FEB												
08...	<.011	M	<.004	<.010	<.011	<.02	.072	<.02	<.075	<.02	U	<.005
MAR												
06...	<.011	<.01	<.004	<.010	<.011	<.02	.086	<.02	<.034	<.02	U	<.005
APR												
12...	<.011	<.01	<.004	<.010	<.011	<.02	.086	<.02	<.034	<.02	--	<.005
MAY												
10...	<.011	E.01	<.004	<.010	<.011	<.02	.060	<.02	<.034	<.02	--	.006
JUN												
27...	<.011	<.01	<.004	<.010	<.011	<.02	.050	<.02	<.034	<.02	--	.005
JUL												
09...	<.011	<.01	<.004	<.010	<.011	<.02	.052	<.02	<.034	<.02	--	<.005
AUG												
19...	<.011	<.01	<.004	<.010	<.011	<.02	.042	<.02	<.034	<.02	--	<.005

Date	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)
NOV		
08...	<.002	<.009
DEC		
04...	<.002	<.009
JAN		
11...	<.002	<.009
FEB		
08...	<.002	<.009
MAR		
06...	<.002	<.009
APR		
12...	<.002	<.009
MAY		
10...	<.002	E.003
JUN		
27...	<.002	<.009
JUL		
09...	<.002	<.009
AUG		
19...	<.002	<.009

Remark codes:
- < -- Less than
- E -- Estimated value
- M -- Presence verified, not quantified
- U -- Analyzed for, not detected

07289350 BIG BLACK RIVER AT WEST, MS

LOCATION.--Lat 33°11'39", long 89°46'15", in NW1/4 NE1/4 sec.3, T.15 N., R.5 E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, near right bank on downstream side of bridge on State Highway 19, 0.2 mi east of West, 5.2 mi upstream from Jordan Creek, and 7.1 mi downstream from Zilpha Creek.

DRAINAGE AREA.--1,027 mi^2.

PERIOD OF RECORD.--September 1971 to current year. July 1936 to December 1946 and January 1947 to 1971 (gage heights and occasional discharge measurements) in reports of U. S. Army Corps of Engineers, Vicksburg district.

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

GAGE.--Water-stage recorder. Datum of gage is 249.74 ft above NGVD of 1929 (levels by U. S. Army Corps of Engineers). Prior to June 10, 1948, nonrecording gage, and June 10, 1948, to Nov. 2, 1967, recorder at site about 2,000 ft downstream at same datum.

REMARKS.--Estimated daily discharges: Jun. 9-10, 20-25 and July 9-11. Records good except for estimated daily discharges, which are poor. Telemeter and satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 30, 1951, reached a stage of 24.09 ft, discharge, 47,000 ft^3/s,at site about 2,000 ft downstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 10,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 30	1600	*26,400	*22.27	Mar. 21	1730	13,700	20.00
Dec. 16	0700	26,300	22.24	Apr. 2	2230	12,900	19.85
Jan. 27	0430	18,300	21.21	Sep. 30	0500	13,100	19.88

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	115	20900	468	2860	556	5860	393	294	167	249	125
2	59	109	16900	414	1920	520	11200	342	256	153	396	115
3	56	104	11900	379	1410	502	12400	286	212	140	303	107
4	55	100	7660	349	1340	480	9530	399	181	144	228	102
5	54	97	4780	328	1110	455	5960	455	157	158	181	97
6	365	95	3240	862	1760	432	3770	391	145	159	152	93
7	340	91	1550	1820	2870	419	2260	373	127	153	132	90
8	218	88	767	1840	3150	420	1580	310	118	142	119	86
9	159	86	868	1640	3060	448	3500	263	e115	e138	111	82
10	113	85	652	1350	3930	694	5170	284	e110	e150	105	78
11	95	83	533	944	3850	719	5070	305	155	e165	100	76
12	537	82	447	702	2790	1770	7380	321	154	209	96	73
13	1200	82	1700	570	1450	2850	5900	329	161	241	95	70
14	2280	82	15500	488	849	2900	3880	281	155	230	100	68
15	2510	83	23300	430	698	2750	2420	235	139	286	98	66
16	2050	82	25100	382	619	4750	1090	206	138	222	140	64
17	1900	80	19100	352	563	6580	729	192	135	184	238	62
18	1980	77	13900	371	523	6440	602	219	123	163	246	62
19	1400	77	8520	841	498	7900	517	261	120	141	216	62
20	559	79	5550	1490	1180	8760	452	326	e125	173	177	70
21	301	83	4090	1330	1700	12000	406	297	e120	194	149	77
22	209	84	3140	1390	1500	10600	376	233	e117	166	134	112
23	168	84	2400	2020	1610	10200	359	197	e127	306	169	124
24	147	156	2400	3350	1450	10400	328	176	e140	708	184	126
25	176	269	2130	13300	971	7500	303	159	e245	959	161	123
26	228	246	1920	17200	736	4760	286	159	241	736	464	1160
27	213	802	1970	17800	652	3340	308	178	226	553	452	3330
28	192	2130	1710	14100	599	2260	330	150	189	410	300	7780
29	160	5910	1030	9390	---	1840	493	171	207	288	211	9930
30	138	22300	691	5780	---	1900	494	207	188	210	164	12500
31	123	---	551	3870	---	2780	---	316	---	166	139	---
TOTAL	18047	33841	204899	105550	45648	117925	92953	8414	4920	8214	6009	36910
MEAN	582.2	1128	6610	3405	1630	3804	3098	271.4	164.0	265.0	193.8	1230
MAX	2510	22300	25100	17800	3930	12000	12400	455	294	959	464	12500
MIN	54	77	447	328	498	419	286	150	110	138	95	62
CFSM	0.57	1.10	6.44	3.32	1.59	3.70	3.02	0.26	0.16	0.26	0.19	1.20
IN.	0.65	1.23	7.42	3.82	1.65	4.27	3.37	0.30	0.18	0.30	0.22	1.34

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1971 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	335.3	829.0	2286	3259	2736	3316	2892	1702	846.6	409.3	216.1	272.3
MAX	2890	5739	11820	7339	6199	8406	8664	9714	5186	3284	1005	2054
(WY)	1985	1980	1983	1974	1983	1980	1991	1983	1989	1989	1975	1979
MIN	16.3	61.3	167	185	372	1049	190	89.9	33.6	53.0	22.5	31.1
(WY)	1988	1982	2000	1986	2000	1985	1986	1988	1988	2000	2000	1987

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1971 - 2002	
ANNUAL TOTAL	817057		683330			
ANNUAL MEAN	2239		1872		1587	
HIGHEST ANNUAL MEAN					3821	1983
LOWEST ANNUAL MEAN					423	1986
HIGHEST DAILY MEAN	37700	Jan 20	25100	Dec 16	62400	May 21 1983
LOWEST DAILY MEAN	54	Oct 5	54	Oct 5	13	Aug 23 2000
ANNUAL SEVEN-DAY MINIMUM	60	Sep 29	65	Sep 13	14	Aug 19 2000
MAXIMUM PEAK FLOW			26400	Nov 30	71200	May 21 1983
MAXIMUM PEAK STAGE			22.27	Nov 30	26.08	May 21 1983
INSTANTANEOUS LOW FLOW			53	Oct 5	12	Aug 24 2000
ANNUAL RUNOFF (CFSM)	2.18		1.82		1.55	
ANNUAL RUNOFF (INCHES)	29.60		24.75		21.00	
10 PERCENT EXCEEDS	6130		5810		3980	
50 PERCENT EXCEEDS	505		328		381	
90 PERCENT EXCEEDS	90		91		66	

e Estimated

07289460 BIG BLACK RIVER NEAR GOODMAN, MS

LOCATION.--Lat 32°57'16", long 89°52'31", in SW1/4 sec.21, T.13 N., R.4 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08060201, on Highway 14, approximately 1.6 mi from its intersection with U.S. Highway 51.

DRAINAGE AREA.--1,338 mi^2.

PERIOD OF RECORD.--Occasional discharge measurements, water years 1957 to 1987. September 2001 to current year.

GAGE.--Water-stage recorder. Datum of gage is 208.45 ft above Mississippi Department of Transportation datum.

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

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	118	251	12800	1100	8700	904	6080	697	399	227	862	152
2	115	236	20700	991	6470	849	5670	581	393	175	1220	136
3	113	222	18000	910	3240	800	6020	510	342	153	673	126
4	111	203	14100	850	2230	761	7560	580	282	149	446	119
5	110	191	11300	806	1960	721	9780	659	226	222	318	114
6	113	187	9200	1140	3460	688	9210	660	189	194	228	110
7	405	184	6880	2240	5560	655	7450	570	162	159	175	107
8	483	175	3030	2660	4660	634	4950	535	137	142	146	107
9	353	160	1850	2380	3820	746	6770	464	126	136	131	105
10	282	155	1620	2120	3590	985	6500	400	134	127	121	104
11	227	153	1290	1770	3810	1030	5240	404	149	126	115	102
12	289	150	1130	1400	3880	2510	4990	428	157	351	111	100
13	1230	147	2980	1170	3110	4550	5310	441	156	536	108	97
14	3000	145	9640	1030	1820	3700	5780	444	157	352	108	96
15	2860	144	12700	929	1330	3190	5400	391	163	266	115	95
16	2530	143	22700	851	1160	5190	3400	332	144	300	130	92
17	2150	144	25800	792	1040	7180	1690	294	137	244	257	89
18	2040	141	23100	778	950	7240	1250	314	136	189	324	88
19	2010	140	17300	1180	889	6750	1060	354	128	156	289	88
20	1410	138	12700	2640	1540	6840	920	361	119	138	253	90
21	834	136	10100	2230	2440	8790	815	415	113	139	199	92
22	593	141	8300	1890	2130	10600	734	394	108	185	163	105
23	465	146	7630	2090	1930	11400	677	316	106	221	145	163
24	388	236	6580	3380	1950	10000	635	255	103	295	180	146
25	332	526	4330	6950	1690	9350	578	219	107	809	217	152
26	358	502	3140	7760	1290	9300	527	197	133	1020	168	1520
27	409	607	2750	13100	1080	8420	488	200	215	860	416	5820
28	387	2530	2630	17700	972	6400	499	243	272	683	518	6120
29	357	6370	2210	16200	---	3580	524	197	296	523	383	4760
30	315	9270	1590	12600	---	2650	711	211	278	358	261	4940
31	277	---	1270	10300	---	4540	---	269	---	268	187	---
TOTAL	24664	23873	279350	121937	76701	140953	111218	12335	5567	9703	8967	25935
MEAN	795.6	795.8	9011	3933	2739	4547	3707	397.9	185.6	313.0	289.3	864.5
MAX	3000	9270	25800	17700	8700	11400	9780	697	399	1020	1220	6120
MIN	110	136	1130	778	889	634	488	197	103	126	108	88
MED	387	167	7630	1890	2050	3700	4180	394	153	222	199	107

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	795.6	795.8	9011	3933	2739	4547	3707	397.9	185.6	313.0	289.3	864.5
MAX	796	796	9011	3933	2739	4547	3707	398	186	313	289	864
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002
MIN	796	796	9011	3933	2739	4547	3707	398	186	313	289	864
(WY)	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002	2002

SUMMARY STATISTICS	FOR 2002 WATER YEAR		WATER YEARS 2001 - 2002	
ANNUAL TOTAL	841203			
ANNUAL MEAN	2305		2305	
HIGHEST ANNUAL MEAN			2305	2002
LOWEST ANNUAL MEAN			2305	2002
HIGHEST DAILY MEAN	25800	Dec 17	25800	Dec 17 2001
LOWEST DAILY MEAN	88	Sep 18	3.4	Sep 30 2001
ANNUAL SEVEN-DAY MINIMUM	91	Sep 15	3.6	Sep 24 2001
MAXIMUM PEAK FLOW	26900	Dec 17	26900	Dec 17 2001
MAXIMUM PEAK STAGE	23.67	Dec 17	23.67	Dec 17 2001
10 PERCENT EXCEEDS	7200		7200	
50 PERCENT EXCEEDS	526		526	
90 PERCENT EXCEEDS	120		120	

07289730 BIG BLACK RIVER NEAR BENTONIA, MS

LOCATION.--Lat 32°36'10", long 90°21'49", NW1/4 NW1/4 NW1/4 sec. 25, T.9 N., R.2 W., Choctaw Meridian, Madison County, Hydrologic Unit 08060202, on downstream side of U.S. Highway 49 bridge, 2.5 mi south of Bentonia, and at mile 106.

DRAINAGE AREA.--2,340 mi^2.

PERIOD OF RECORD.--October 1995 to current year. Stage, 1947 to date in reports of U.S. Army Corps of Engineers. Measured discharge, June 1946 to date.

GAGE.--Water-stage recorder. Datum of gage is 130.18 ft above NGVD of 1929.

REMARKS.--No estimated daily discharge. Records good. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 1983 reached a stage of 32.48 ft, discharge 86,000 ft^3/s. Peak stage of 34.70 ft on May 23, 1930, 3.1 mi upstream at Ragan Station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 7	2100	16,300	25.77	Feb. 2	1600	17,300	26.03
Dec. 20	2200	*26,800	*27.56	Mar. 25	0700	13,400	24.98

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	224	372	10700	2220	13700	1520	11100	613	780	475	958	337
2	216	346	11200	1740	17000	1360	10100	716	541	544	1540	281
3	208	324	11800	1450	16400	1250	9260	728	493	460	3470	244
4	201	304	12400	1260	14500	1170	8950	654	503	495	3130	218
5	198	291	12500	1140	12300	1080	8530	616	469	442	1780	212
6	222	278	13900	2740	11300	1010	7730	750	427	395	920	199
7	194	266	16000	4180	10200	946	7270	769	389	417	662	179
8	215	258	15600	4600	9410	900	8230	717	357	414	555	167
9	295	254	13900	4600	8930	928	10800	634	339	329	442	158
10	438	251	12100	3990	8900	957	11900	619	457	280	366	153
11	395	243	9300	3380	8510	1230	12600	599	403	270	312	147
12	358	235	4070	2890	6790	2980	12600	522	310	253	285	141
13	1260	228	4320	2340	5460	5950	12000	501	313	398	265	135
14	2770	225	9360	1850	4960	7030	10700	510	318	735	246	132
15	4100	222	9960	1520	3840	7250	8710	517	302	878	314	128
16	4420	218	9760	1300	2610	7410	7070	507	293	1020	376	130
17	3760	216	10400	1150	2010	7050	6360	524	293	2420	585	117
18	2980	215	12400	1060	1710	6530	4780	666	284	1580	978	112
19	2540	214	16400	1930	1500	6660	2670	591	266	822	1130	106
20	2470	214	25100	3650	2890	7800	1860	506	256	566	729	103
21	2140	214	25700	5160	4630	11100	1460	518	253	402	498	118
22	1390	212	22200	5010	5560	12100	1200	476	255	362	418	1680
23	913	210	19000	3770	4930	12500	1030	481	240	628	371	1110
24	683	237	17100	3930	3520	13000	903	480	228	662	323	288
25	552	290	15100	8430	3000	13300	819	438	403	860	292	372
26	471	551	13100	9120	2770	12600	757	397	748	780	276	6170
27	416	1140	11700	9220	2290	11800	699	365	442	1030	291	10600
28	399	4560	10000	9410	1800	11400	652	345	690	1130	280	10400
29	422	8710	6410	10000	---	10900	608	360	882	953	313	9640
30	417	10500	4020	10300	---	10500	600	415	594	780	455	8960
31	399	---	3010	10500	---	11300	---	610	---	853	411	---
TOTAL	35666	31798	388510	133840	191420	201511	181948	17144	12528	21633	22971	52737
MEAN	1151	1060	12530	4317	6836	6500	6065	553.0	417.6	697.8	741.0	1758
MAX	4420	10500	25700	10500	17000	13300	12600	769	882	2420	3470	10600
MIN	194	210	3010	1060	1500	900	600	345	228	253	246	103
CFSM	0.49	0.45	5.36	1.85	2.92	2.78	2.59	0.24	0.18	0.30	0.32	0.75
IN.	0.57	0.51	6.18	2.13	3.04	3.20	2.89	0.27	0.20	0.34	0.37	0.84

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1996 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	450.2	851.0	4317	6354	6411	6868	5366	1905	2130	745.1	507.6	740.4
MAX	1151	1916	12530	10560	10210	11520	13970	5577	8282	1357	903	2044
(WY)	2002	2001	2002	1999	1997	2001	2000	1997	1997	1997	1997	2001
MIN	145	338	401	616	595	2414	1224	553	405	166	121	113
(WY)	2001	2000	2000	2000	2000	2000	1998	2002	2000	2000	2000	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1996 - 2002	
ANNUAL TOTAL	1593649		1291706			
ANNUAL MEAN	4366		3539		3037	
HIGHEST ANNUAL MEAN					3963	1997
LOWEST ANNUAL MEAN					1664	2000
HIGHEST DAILY MEAN	30900	Jan 25	25700	Dec 21	47700	Apr 7 2000
LOWEST DAILY MEAN	194	Oct 7	103	Sep 20	80	Sep 6 2000
ANNUAL SEVEN-DAY MINIMUM	208	Oct 2	116	Sep 15	83	Sep 3 2000
MAXIMUM PEAK FLOW			26800	Dec 20	86000	May 23 1983
MAXIMUM PEAK STAGE			27.56	Dec 20	34.70	May 23 1930
INSTANTANEOUS LOW FLOW			101	Sep 20	79	Sep 6 2000
ANNUAL RUNOFF (CFSM)	1.87		1.51		1.30	
ANNUAL RUNOFF (INCHES)	25.33		20.53		17.64	
10 PERCENT EXCEEDS	12800		11200		9900	
50 PERCENT EXCEEDS	1390		878		808	
90 PERCENT EXCEEDS	271		227		208	

07290000 BIG BLACK RIVER NEAR BOVINA, MS

LOCATION.--Lat 32°20'51", long 90°41'48", in SW1/4 NW1/4 SE1/4 sec.22, T.16 N., R.5 E., Washington Meridian, Hinds County, Hydrologic Unit 08060202, on left bank at downstream side of bridge on U.S. Highway 80 (old), 300 ft upstream from Clear Creek, 0.4 mi upstream from Illinois Central and Gulf Railroad bridge, 2.3 mi east of Bovina, 10.8 mi upstream from Fourteenmile Creek, and at mile 61.7. Records include flow of Clear Creek.

DRAINAGE AREA.--2,812 mi^2 (includes that of Clear Creek).

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

REVISED RECORDS.--WRD Miss. 1968: 1966-67. WDR MS-79-1: 1978(M). WDR MS-89-1: Drainage area.

GAGE.--Water-stage recorder and supplemental nonrecording gage read twice daily. Datum of gage is 84.93 ft above NGVD of 1929 (levels by U. S. Army Corps of Engineers). Prior to Oct. 23, 1941, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: May 13-18 and 21-23. Records good except for estimated daily discharges, which are poor. U.S. Army Corps of Engineers satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--From information by local residents, floods at Askews Bridge, 6 mi upstream, reached elevations above NGVD of 1929 as follows: Dec. 20, 1961, 139.2 ft, in 1912 and in January 1927, 139 ft, Apr. 1, 1951, 138.5 ft. A flood in May 1930, reached about the same elevation as that of Apr. 1, 1951, at Askews Bridge.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 30	1000	14,200	29.70	Mar. 31	2200	15,500	30.79
Dec. 24	2300	*25,200	*35.33	Apr. 14	0000	13,800	29.34
Feb. 7	0600	18,000	32.52	Sep. 27	1100	15,900	31.04

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	272	478	13800	3650	11400	1850	15300	930	912	947	1700	518
2	262	455	13300	2280	11900	1670	14800	905	979	741	1500	449
3	254	425	12900	1880	12400	1500	14200	918	760	743	1870	383
4	248	404	12600	1650	13600	1390	13300	977	656	706	3180	336
5	244	374	12400	1510	14800	1300	12000	992	630	702	2950	305
6	316	344	12300	2650	16800	1210	10800	941	586	658	1950	286
7	328	329	12400	4160	17800	1130	9300	931	537	596	1190	282
8	307	314	12700	5030	16900	1060	9670	993	493	580	860	267
9	280	303	13200	5010	15700	1030	13200	1000	451	612	719	248
10	302	295	13700	4630	14100	1070	13300	933	422	540	597	238
11	465	295	14000	3960	12300	1090	13100	852	476	472	507	231
12	553	288	13800	3330	10900	1900	13300	849	552	476	443	225
13	1320	277	11400	2840	8470	4430	13600	e800	412	864	550	221
14	3530	270	12300	2390	6030	6660	13800	e780	377	846	416	216
15	3460	266	12100	2020	4840	7590	13700	e740	384	1180	379	214
16	4060	262	11600	1760	3570	8200	12800	e730	387	1750	862	213
17	3950	260	11600	1580	2500	9310	10700	e720	392	3080	828	215
18	3270	257	11600	1470	2020	8450	7850	e780	367	2890	889	213
19	2570	254	11500	2420	1800	7260	4990	1100	358	2140	1350	205
20	2230	247	11800	3870	3340	7800	2810	939	345	1260	1310	208
21	2150	244	12700	4690	4660	12700	2100	e745	339	882	933	218
22	1890	242	15100	5550	5610	13400	1810	e660	326	715	697	852
23	1400	241	19900	5180	5910	13300	1590	e613	319	1390	567	2870
24	1030	386	24300	4560	4850	13500	1450	616	592	822	527	1650
25	800	466	25000	10100	3440	13800	1310	634	481	965	479	832
26	665	674	23500	11300	2850	14200	1210	598	563	1050	406	10400
27	578	1930	21100	11100	2570	14400	1150	542	900	1030	367	15800
28	522	5760	18900	11000	2180	14400	1140	578	916	1170	352	15500
29	489	11600	16800	10700	---	14100	1040	686	1550	1290	354	14700
30	488	14100	14000	10500	---	13800	960	978	1390	1150	346	14000
31	490	---	7990	10600	---	15300	---	770	---	1240	489	---
TOTAL	38723	42040	450290	153370	233240	228800	246280	25230	17852	33487	29567	82295
MEAN	1249	1401	14530	4947	8330	7381	8209	813.9	595.1	1080	953.8	2743
MAX	4060	14100	25000	11300	17800	15300	15300	1100	1550	3080	3180	15800
MIN	244	241	7990	1470	1800	1030	960	542	319	472	346	205
CFSM	0.44	0.50	5.17	1.76	2.96	2.62	2.92	0.29	0.21	0.38	0.34	0.98
IN.	0.51	0.56	5.96	2.03	3.09	3.03	3.26	0.33	0.24	0.44	0.39	1.09

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1936 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	709.1	1493	4240	6733	7683	8064	7337	4600	1778	1381	849.2	604.1
MAX	6547	11050	27400	24360	20700	19780	25100	23860	9311	13730	4059	3800
(WY)	1976	1958	1983	1974	1983	1973	1983	1983	1997	1940	1975	1979
MIN	78.8	103	213	216	672	1040	559	398	210	172	121	106
(WY)	1955	1940	1955	1956	2000	1936	1963	1963	1988	1952	1943	1952

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1936 - 2002	
ANNUAL TOTAL	1888080		1581174			
ANNUAL MEAN	5173		4332		3793	
HIGHEST ANNUAL MEAN					10950	1983
LOWEST ANNUAL MEAN					792	1963
HIGHEST DAILY MEAN	30700	Jan 28	25000	Dec 25	90600	May 24 1983
LOWEST DAILY MEAN	241	Nov 23	205	Sep 19	67	Oct 1 1954
ANNUAL SEVEN-DAY MINIMUM	249	Nov 17	212	Sep 14	67	Sep 30 1954
MAXIMUM PEAK FLOW			25200	Dec 24	92300	May 24 1983
MAXIMUM PEAK STAGE			35.33	Dec 24	40.77	May 21 1983
INSTANTANEOUS LOW FLOW			202	Sep 19,20	65	Oct 2 1954
ANNUAL RUNOFF (CFSM)	1.84		1.54		1.35	
ANNUAL RUNOFF (INCHES)	24.98		20.92		18.32	
10 PERCENT EXCEEDS	14900		13600		10900	
50 PERCENT EXCEEDS	1630		1190		1110	
90 PERCENT EXCEEDS	331		299		199	

e Estimated

07290650 BAYOU PIERRE NEAR WILLOWS, MS

LOCATION.--Lat 32°01'04", long 90°52'37", in NE1/4 sec. 16, T.12 N., R.3 E., Washington Meridian, Claiborne County, Hydrologic Unit 08060203, near right bank at downstream side of bridge on county highway, 1.4 mi upstream from South Fork Bayou Pierre, and 1.7 mi southeast of Willows.

DRAINAGE AREA.--654 mi^2.

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

PERIOD OF RECORD.--Water years 1959-61 (annual maximums), June 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 82.32 ft above NGVD of 1929. Sept. 9, 1958, to May 31, 1961, crest-stage gage at same site and datum.

REMARKS.--Estimated daily discharges: Nov. 7 and Sept. 22-23. Records good except for estimated daily discharges, which are poor.. Satellite telemeter at station.

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

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Dec. 14	0730	15,100	17.63	Sep. 27	1200	*62,000	*26.81
Apr. 9	0630	24,200	21.29				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	66	1440	248	2110	369	3550	175	268	137	174	74
2	73	66	648	233	1190	1090	1470	165	167	118	195	69
3	69	64	440	223	668	1120	746	156	124	246	204	68
4	69	63	343	211	514	542	538	151	103	210	129	66
5	69	61	286	236	481	400	445	150	94	128	99	63
6	71	59	251	1770	4800	352	398	146	98	99	91	62
7	70	e59	229	1160	3040	330	368	138	87	85	84	61
8	69	58	214	612	1440	318	4830	130	85	78	75	64
9	72	58	197	430	920	317	15700	123	114	121	76	65
10	72	58	181	355	728	359	4560	118	160	86	73	62
11	74	59	172	314	607	313	2010	115	138	84	68	60
12	144	59	166	283	527	3490	1140	109	126	81	67	58
13	855	58	4430	269	475	2650	808	106	96	168	89	56
14	2790	59	9940	290	432	1140	625	104	85	195	79	54
15	1090	59	2430	256	402	646	529	100	78	287	79	52
16	418	58	1050	230	382	4980	464	96	74	337	885	51
17	236	58	1600	214	360	2070	412	115	75	359	1370	51
18	169	59	1900	224	341	863	372	160	76	177	525	63
19	140	58	900	1660	360	596	340	123	87	120	185	71
20	124	58	593	2670	8590	1390	313	102	98	97	130	67
21	111	57	454	1250	3410	8540	289	92	74	83	112	65
22	103	57	384	767	1510	2230	282	87	68	131	108	e1500
23	96	59	2690	600	823	1120	302	83	73	233	103	e1120
24	91	94	1410	1430	607	769	261	83	91	191	93	256
25	89	203	691	5900	518	627	235	80	122	117	94	166
26	76	129	479	2350	461	604	220	80	152	95	165	14500
27	72	2390	396	1120	401	978	215	138	185	219	145	41900
28	69	7120	349	774	360	721	203	160	253	333	96	5450
29	67	9470	318	650	---	520	190	142	327	179	85	1480
30	66	5060	288	578	---	459	184	383	214	138	79	666
31	66	---	264	564	---	3230	---	404	---	186	78	---
TOTAL	7656	25836	35133	27871	36457	43133	41999	4314	3792	5118	5835	68340
MEAN	247.0	861.2	1133	899.1	1302	1391	1400	139.2	126.4	165.1	188.2	2278
MAX	2790	9470	9940	5900	8590	8540	15700	404	327	359	1370	41900
MIN	66	57	166	211	341	313	184	80	68	78	67	51
CFSM	0.38	1.32	1.73	1.37	1.99	2.13	2.14	0.21	0.19	0.25	0.29	3.48
IN.	0.44	1.47	2.00	1.59	2.07	2.45	2.39	0.25	0.22	0.29	0.33	3.89

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1961 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	248.5	496.7	1143	1608	1583	1798	1732	955.9	414.5	301.3	248.0	206.6
MAX	1885	2241	5324	6064	4833	5992	6776	3960	1524	1637	1755	2278
(WY)	1965	1987	1983	1990	1979	1980	1983	1978	1975	1989	1992	2002
MIN	26.4	53.1	139	86.9	73.8	239	133	60.1	58.0	52.4	37.9	48.0
(WY)	1964	1970	2000	2000	2000	1967	1963	1963	1988	2000	1969	2000

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1961 - 2002	
ANNUAL TOTAL	357420		305484			
ANNUAL MEAN	979.2		836.9		889.9	
HIGHEST ANNUAL MEAN					2099	1983
LOWEST ANNUAL MEAN					191	2000
HIGHEST DAILY MEAN	36500	Mar 3	41900	Sep 27	72900	Apr 7 1983
LOWEST DAILY MEAN	55	Jul 23	51	Sep 16	17	Sep 5 2000
ANNUAL SEVEN-DAY MINIMUM	58	Nov 16	55	Sep 11	18	Sep 2 2000
MAXIMUM PEAK FLOW			62000	Sep 27	88000	Apr 7 1983
MAXIMUM PEAK STAGE			26.81	Sep 27	29.36	Apr 7 1983
ANNUAL RUNOFF (CFSM)	1.50		1.28		1.36	
ANNUAL RUNOFF (INCHES)	20.33		17.38		18.49	
10 PERCENT EXCEEDS	1720		1550		1740	
50 PERCENT EXCEEDS	234		195		198	
90 PERCENT EXCEEDS	67		66		58	

e Estimated

07291000 HOMOCHITTO RIVER AT EDDICETON, MS

LOCATION.--Lat 31°30'11", long 90°46'39", in SE1/4 NE1/4 sec.11, T.6 N., R.4 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, on left bank at upstream side of Illinois Central and Gulf Railroad bridge, 900 ft downstream from bridge on U.S. Highway 84, 0.6 mi upstream from McCall Creek, and 0.8 mi east of Eddiceton.

DRAINAGE AREA.--181 mi^2.

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

REVISED RECORDS.--WSP 1281: 1939-40, 1942-44, 1949-50. WDR MS-89-1: Drainage area.

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

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

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 9,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Apr. 8	2030	13,500	15.00	Sep. 26	1730	*23,300	*17.94

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	48	286	105	353	175	443	86	67	56	177	42
2	56	47	194	102	241	574	201	82	49	342	75	41
3	55	46	156	99	194	252	143	79	44	99	60	41
4	54	46	130	96	177	168	115	77	45	73	56	41
5	55	45	112	107	198	146	102	77	50	65	54	40
6	65	45	100	329	1490	136	86	75	46	60	55	42
7	59	45	93	203	573	129	78	73	44	59	51	45
8	55	45	89	145	301	125	4090	68	45	70	49	46
9	55	45	86	128	223	139	3040	66	46	59	46	43
10	55	45	83	120	186	149	553	66	69	56	45	41
11	65	45	79	114	153	123	353	64	64	54	44	40
12	94	45	77	137	136	800	277	63	55	52	55	39
13	347	44	716	145	126	405	235	65	51	68	67	39
14	803	45	2030	122	114	218	208	60	50	81	58	39
15	129	44	481	109	111	172	189	59	49	62	60	39
16	76	44	301	101	107	213	173	58	48	161	82	38
17	64	44	527	99	98	164	160	59	49	167	56	40
18	61	44	413	102	92	134	149	61	47	75	51	75
19	59	44	229	836	93	120	140	56	51	58	48	47
20	57	45	178	599	2510	393	132	53	54	52	47	48
21	55	44	155	331	546	1040	123	53	69	49	53	56
22	54	44	147	244	296	267	120	52	56	57	49	65
23	53	45	530	204	224	176	116	52	53	60	48	148
24	52	64	246	1080	186	143	112	54	53	52	50	59
25	51	65	171	2200	168	127	106	55	52	55	50	85
26	49	50	148	583	157	685	100	63	130	287	47	11500
27	48	617	136	366	142	322	96	68	77	114	47	4330
28	48	522	132	276	135	174	95	60	82	88	45	625
29	48	2700	126	235	---	144	92	73	67	69	44	356
30	48	807	115	213	---	126	90	292	57	63	43	245
31	48	---	108	206	---	829	---	78	---	59	43	---
TOTAL	2874	5859	8374	9736	9330	8768	11917	2247	1719	2722	1755	18335
MEAN	92.71	195.3	270.1	314.1	333.2	282.8	397.2	72.48	57.30	87.81	56.61	611.2
MAX	803	2700	2030	2200	2510	1040	4090	292	130	342	177	11500
MIN	48	44	77	96	92	120	78	52	44	49	43	38
CFSM	0.51	1.08	1.49	1.74	1.84	1.56	2.19	0.40	0.32	0.49	0.31	3.38
IN.	0.59	1.20	1.72	2.00	1.92	1.80	2.45	0.46	0.35	0.56	0.36	3.77

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1939 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	92.15	149.8	311.4	430.1	487.1	537.0	463.7	272.6	134.9	137.8	97.43	88.37
MAX	765	742	1428	1398	1169	1722	1981	1818	534	1036	557	611
(WY)	1965	1958	1983	1990	1979	2001	1974	1953	1975	1989	1992	2002
MIN	31.4	37.5	61.8	47.2	46.7	72.3	64.4	47.1	42.3	35.0	34.2	33.3
(WY)	1953	1939	2000	2000	2000	2000	1963	2000	1972	2000	2000	1956

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1939 - 2002	
ANNUAL TOTAL	123226		83636			
ANNUAL MEAN	337.6		229.1		265.8	
HIGHEST ANNUAL MEAN					587	1983
LOWEST ANNUAL MEAN					55.5	2000
HIGHEST DAILY MEAN	27800	Mar 2	11500	Sep 26	34600	Apr 13 1974
LOWEST DAILY MEAN	40	Jun 30	38	Sep 16	11	Jun 1 1989
ANNUAL SEVEN-DAY MINIMUM	43	Jun 24	39	Sep 11	13	May 29 1989
MAXIMUM PEAK FLOW			23300	Sep 26	55400	Apr 13 1974
MAXIMUM PEAK STAGE			17.94	Sep 26	24.53	Apr 13 1974
ANNUAL RUNOFF (CFSM)	1.87		1.27		1.47	
ANNUAL RUNOFF (INCHES)	25.33		17.19		19.95	
10 PERCENT EXCEEDS	547		354		432	
50 PERCENT EXCEEDS	86		77		82	
90 PERCENT EXCEEDS	46		45		43	

07292500 HOMOCHITTO RIVER AT ROSETTA, MS

LOCATION.--Lat 31°19'29", long 91°06'34", in NW1/4 sec. 13, T.4 N., R.1 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, near right bank, near downstream side of pier cap, under bridge, on State Highway 33 at Rosetta, 0.8 mi downstream from Foster Creek, and 4.0 mi upstream from Dry Creek.

DRAINAGE AREA.--787 mi^2.

PERIOD OF RECORD.--October 1951 to current year, June to November 1906 (gage heights and discharge measurements only), February 1949 to September 1951 (gage heights and discharge measurements only) in reports of U. S. Army Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WSP 1731: 1955(M). WSP 1920: 1955. WDR MS-86-1: 1985 (P). WDR MS-89-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 94.39 ft above NGVD of 1929. June 16 to Nov. 12, 1906, nonrecording gage at present site, at different datum, December 1976 to April 1978, near right bank on downstream side of Illinois Central and Gulf Railroad bridge, 800 ft upstream and nonrecording gage read twice daily at present site, all at same datum.

REMARKS.--Estimated daily discharges: Oct. 21 and Sept. 22. Records good except for estimated daily discharges, which are poor. Telemeter and satellite telemeter at station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since February 1949, 37.80 ft, Mar. 31, 1949, from reports of U. S. Army Corps of Engineers, Vicksburg district.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 16,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 29	1030	22,700	14.89	Sep. 26	2030	*45,200	*18.20
Apr. 8	2300	33,500	16.67				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	344	328	1520	546	1380	777	3820	416	510	342	571	278
2	330	329	938	532	1380	3690	1750	401	398	525	583	275
3	319	332	742	522	960	1830	1320	379	343	782	361	273
4	308	322	629	509	856	1070	1100	372	317	722	319	270
5	304	318	566	531	843	871	992	400	303	510	303	268
6	351	319	547	1360	4440	794	916	376	301	527	477	265
7	441	322	528	1150	3030	751	862	355	301	378	406	278
8	318	324	510	744	1800	714	8910	343	296	420	320	312
9	296	324	536	633	1340	705	13800	333	330	385	300	291
10	288	321	506	599	1150	776	3860	332	578	345	275	279
11	288	318	477	593	1000	691	2250	323	389	317	269	271
12	472	316	464	957	904	1880	1630	316	342	306	293	266
13	708	315	1390	1110	853	2900	1310	319	314	350	703	263
14	4220	314	6600	751	796	1320	1110	339	304	586	1140	261
15	1250	311	2160	645	754	1030	984	314	296	422	566	258
16	629	308	1140	594	737	993	846	303	291	620	524	261
17	489	306	1450	575	705	971	758	308	297	525	417	264
18	441	307	1940	578	678	849	699	318	295	436	499	273
19	419	309	1030	2690	662	775	652	314	287	322	633	297
20	396	310	794	3640	5480	976	615	299	305	298	364	270
21	e385	305	692	1710	2690	5360	586	293	314	288	338	298
22	378	305	642	1310	1380	1920	560	289	309	295	341	e400
23	367	308	1690	1110	1030	1160	551	284	294	472	346	439
24	362	351	1690	1360	874	972	526	283	301	370	324	383
25	361	517	865	7010	794	888	500	283	336	329	324	433
26	347	411	712	2570	742	6890	472	283	521	716	389	19300
27	332	2140	648	1590	680	3470	455	384	547	683	316	14500
28	326	3720	625	1290	643	1810	449	309	654	541	334	2630
29	326	12400	615	1120	---	1360	437	298	470	469	297	1320
30	329	3920	580	1030	---	1180	432	1280	370	938	290	885
31	329	---	555	978	---	3710	---	1180	---	474	283	---
TOTAL	16453	30730	33781	40337	38581	53083	53152	12026	10913	14693	12905	46061
MEAN	530.7	1024	1090	1301	1378	1712	1772	387.9	363.8	474.0	416.3	1535
MAX	4220	12400	6600	7010	5480	6890	13800	1280	654	938	1140	19300
MIN	288	305	464	509	643	691	432	283	287	288	269	258
CFSM	0.67	1.30	1.38	1.65	1.75	2.18	2.25	0.49	0.46	0.60	0.53	1.95
IN.	0.78	1.45	1.60	1.91	1.82	2.51	2.51	0.57	0.52	0.69	0.61	2.18

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1952 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	551.9	713.0	1324	1799	1966	2019	1929	1221	730.5	619.5	491.6	503.5
MAX	3855	3010	5344	6205	5210	6206	8806	7650	3184	3753	1716	2131
(WY)	1965	1958	1962	1990	1979	1961	1974	1953	1975	1989	1992	2001
MIN	141	202	335	255	253	477	313	247	232	208	166	158
(WY)	1953	1964	1954	1957	2000	2000	1963	1963	1988	2000	1954	1956

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1952 - 2002	
ANNUAL TOTAL	536599		362715			
ANNUAL MEAN	1470		993.7		1152	
HIGHEST ANNUAL MEAN					2342	1983
LOWEST ANNUAL MEAN					344	2000
HIGHEST DAILY MEAN	69600	Mar 2	19300	Sep 26	118000	Apr 13 1974
LOWEST DAILY MEAN	226	Feb 8	258	Sep 15	123	Oct 5 2000
ANNUAL SEVEN-DAY MINIMUM	284	Jun 24	263	Sep 11	129	Sep 1 2000
MAXIMUM PEAK FLOW			45200	Sep 26	150000	Apr 13 1974
MAXIMUM PEAK STAGE			18.20	Sep 26	36.03	May 4 1953
ANNUAL RUNOFF (CFSM)	1.87		1.26		1.46	
ANNUAL RUNOFF (INCHES)	25.36		17.14		19.88	
10 PERCENT EXCEEDS	2940		1730		2070	
50 PERCENT EXCEEDS	547		506		472	
90 PERCENT EXCEEDS	311		295		228	

e Estimated

07295000 BUFFALO RIVER NEAR WOODVILLE, MS

LOCATION.--Lat 31°13'37", long 91°17'44", in SW1/4 sec.21, T.3 N., R.2 W., Washington Meridian, Wilkinson County, Hydrologic Unit 08060206, near center of span on downstream side of bridge on U.S. Highway 61, 1.5 mi downstream from Fords Creek, 2.8 mi west of Wilkinson, and 8.5 mi north of Woodville, 31 mi upstream from mouth.

DRAINAGE AREA.--180 mi^2.

PERIOD OF RECORD.--March 1942 to current year. Prior to October 1950, published as Buffalo Bayou near Woodville.

REVISED RECORDS.--WSP 1281: 1943, 1946(M). WDR MS-89-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 94.52 ft above NGVD of 1929. Prior to June 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1964, at datum 3.00 ft higher.

REMARKS.--Estimated daily discharges: Jul. 15-28, Jul. 31 - Aug. 3, Aug. 8 and Aug. 12 - Sept. 17. Records fair except for estimated daily discharges, which are poor. Satellite telemeter at station.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Nov. 29	0630	12,700	14.22	Apr. 8	1745	*17,800	*15.81
Mar. 26	1145	15,200	15.06				

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	41	254	94	447	612	501	83	93	48	e124	e48
2	35	41	173	91	139	1490	334	80	57	51	e105	e50
3	35	40	141	89	113	315	280	78	52	59	e65	e47
4	35	40	122	87	101	210	241	76	51	60	44	e45
5	37	38	110	186	144	178	223	73	50	54	43	e43
6	72	38	105	495	1360	163	208	71	49	63	62	e45
7	50	38	98	168	339	150	196	68	49	51	99	e48
8	38	38	95	125	187	139	6430	65	49	71	e57	e50
9	36	38	97	113	154	159	1840	63	54	52	48	e47
10	36	38	88	105	138	137	543	62	53	48	46	e45
11	39	38	84	109	122	125	356	60	49	54	46	e40
12	59	38	91	478	117	417	279	59	47	47	e44	e38
13	808	38	1010	258	112	225	238	74	46	47	e48	e37
14	624	38	755	146	106	154	209	73	46	47	e60	e38
15	95	38	244	118	104	138	190	58	44	e52	e125	e37
16	65	38	178	106	104	161	174	55	44	e70	e155	e36
17	56	38	467	101	100	134	161	56	46	e90	e145	e38
18	52	37	260	101	96	120	149	65	46	e80	e120	39
19	51	38	167	1970	95	114	141	56	45	e63	e80	34
20	49	38	139	514	1170	363	133	52	45	e54	e63	35
21	47	37	126	250	228	553	125	51	58	e50	e58	37
22	46	37	121	179	151	172	119	50	45	e48	e56	169
23	46	38	392	152	130	140	118	49	44	e47	e53	84
24	46	59	172	645	122	129	113	50	67	e48	e52	34
25	45	59	129	1080	119	122	107	51	73	e60	e50	94
26	42	44	117	221	114	7580	102	56	76	e85	e48	1630
27	42	1110	109	157	106	1110	98	72	63	e77	e47	303
28	41	516	117	135	105	630	94	53	80	e50	e46	104
29	41	6790	116	123	---	475	90	53	58	43	e48	75
30	41	643	102	123	---	397	88	203	51	46	e47	65
31	41	---	96	146	---	960	---	77	---	e90	e45	---
TOTAL	2785	10102	6275	8665	6323	17772	13880	2092	1630	1805	2129	3435
MEAN	89.84	336.7	202.4	279.5	225.8	573.3	462.7	67.48	54.33	58.23	68.68	114.5
MAX	808	6790	1010	1970	1360	7580	6430	203	93	90	155	1630
MIN	35	37	84	87	95	114	88	49	44	43	43	34
CFSM	0.50	1.87	1.12	1.55	1.25	3.18	2.57	0.37	0.30	0.32	0.38	0.64
IN.	0.58	2.09	1.30	1.79	1.31	3.67	2.87	0.43	0.34	0.37	0.44	0.71

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1942 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	118.5	183.0	339.7	476.9	518.0	568.4	449.7	267.1	174.4	150.3	95.25	122.0
MAX	1169	1008	1771	2402	1605	2074	1539	1928	991	1110	429	697
(WY)	1986	1949	1972	1990	1987	1973	1983	1953	1989	1969	1992	1958
MIN	19.5	30.0	45.7	49.2	40.2	84.4	48.8	35.3	39.1	26.2	23.3	22.9
(WY)	1964	1970	1967	1981	2000	1955	1963	1963	1965	2000	2000	1952

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1942 - 2002	
ANNUAL TOTAL	109880		76893			
ANNUAL MEAN	301.0		210.7		288.2	
HIGHEST ANNUAL MEAN					552	1983
LOWEST ANNUAL MEAN					70.6	2000
HIGHEST DAILY MEAN	12200	Jun 7	7580	Mar 26	30700	Mar 25 1973
LOWEST DAILY MEAN	30	Aug 26	34	Sep 19	9.0	Oct 26 1993
ANNUAL SEVEN-DAY MINIMUM	35	May 15	37	Sep 15	17	Aug 31 2000
MAXIMUM PEAK FLOW			17800	Apr 8	65000	Mar 25 1973
MAXIMUM PEAK STAGE			15.81	Apr 8	22.30	Mar 25 1973
ANNUAL RUNOFF (CFSM)	1.67		1.17		1.60	
ANNUAL RUNOFF (INCHES)	22.71		15.89		21.76	
10 PERCENT EXCEEDS	548		346		479	
50 PERCENT EXCEEDS	72		77		86	
90 PERCENT EXCEEDS	38		38		36	

e Estimated

07375280 TANGIPAHOA RIVER AT OSYKA, MS

LOCATION.--31°00′44", long 90°27′40", in SW1/4 NW1/4 NW1/4 sec.36, T.1 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, County code 113, on upstream left bank end of bridge on State Highway 584 at Osyka, Ms, about 1/2 mi north northeast of Osyka, MS, and about 1/2 mi upstream of the Louisiana-Mississippi State Line.

DRAINAGE AREA.--158 mi^2.

PERIOD OF RECORD.--Occasional discharge measurements, water years 1976-91. October 1996 to current water year.

GAGE.--Water-stage recorder. Datum of gage is 215.00 ft above NGVD of 1929.

REMARKS.--Estimated daily discharges: May 3-6. Records good except for estimated daily discharges, which are poor. Satellite telemeter at station.

Date	Time	Discharge (ft^3/s)	Gage Height (ft)	Date	Time	Discharge (ft^3/s)	Gage Height (ft)
Mar. 27	0115	5,170	14.74	Aug. 6	2300	4,930	14.65
Apr. 9	1315	5,380	14.82	Sep. 27	0230	*19,700	*17.81

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	87	93	249	105	523	151	610	105	326	142	307	102
2	86	93	161	104	410	1010	378	103	201	321	376	96
3	86	92	127	101	279	641	265	e102	159	258	182	93
4	87	92	107	100	211	377	211	e101	139	181	155	88
5	91	92	103	116	184	255	176	e100	130	164	146	85
6	134	89	100	229	326	208	158	e98	175	144	2680	83
7	132	84	97	155	494	186	145	97	134	133	3310	112
8	105	164	96	129	393	170	956	97	135	249	998	131
9	96	217	95	120	273	166	4660	96	178	160	323	101
10	94	214	105	116	217	186	2680	94	174	146	210	89
11	147	212	107	113	186	159	1090	93	202	232	167	82
12	262	208	106	175	164	268	392	93	161	174	154	79
13	204	204	431	396	153	443	279	94	139	615	715	76
14	744	119	1080	314	148	361	222	98	126	2680	1540	73
15	391	95	499	222	140	276	191	94	121	654	946	72
16	238	71	379	175	137	281	171	88	115	390	765	71
17	164	69	453	152	133	216	160	92	112	247	435	70
18	130	68	487	141	129	190	147	124	112	186	264	70
19	115	67	274	552	131	175	139	118	126	156	189	68
20	108	67	210	1470	326	204	134	109	218	142	154	72
21	104	66	193	583	358	537	129	97	156	133	152	83
22	101	71	141	400	287	277	123	95	130	155	145	195
23	100	79	130	306	207	215	124	94	119	560	280	103
24	102	80	121	260	169	183	125	95	146	545	496	81
25	101	83	111	474	151	170	119	98	137	679	192	254
26	99	88	106	461	143	2770	117	99	155	392	197	5540
27	91	99	102	312	137	3320	111	99	197	241	420	13500
28	91	357	109	226	126	716	109	97	367	179	209	4810
29	86	627	114	192	---	394	109	103	223	153	156	1090
30	89	817	108	173	---	283	109	1750	163	144	128	318
31	90	---	106	161	---	354	---	1030	---	140	111	---
TOTAL	4555	4777	6607	8533	6535	15142	14339	5653	4976	10695	16502	27687
MEAN	146.9	159.2	213.1	275.3	233.4	488.5	478.0	182.4	165.9	345.0	532.3	922.9
MAX	744	817	1080	1470	523	3320	4660	1750	367	2680	3310	13500
MIN	86	66	95	100	126	151	109	88	112	133	111	68
MED	101	92	114	175	185	268	159	98	150	181	210	89
CFSM	0.93	1.01	1.35	1.74	1.48	3.09	3.03	1.15	1.05	2.18	3.37	5.84
IN.	1.07	1.12	1.56	2.01	1.54	3.57	3.38	1.33	1.17	2.52	3.89	6.52

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1997 - 2002, BY WATER YEAR (WY)

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MEAN	109.1	140.4	187.5	433.7	348.9	462.9	401.1	124.1	182.6	162.2	207.6	282.8
MAX	147	196	430	1044	839	932	1355	185	353	345	532	923
(WY)	2002	1998	1998	1998	1997	2001	1997	1997	1997	2002	2002	2002
MIN	66.8	81.0	101	103	87.9	105	106	69.5	72.4	65.4	69.2	79.3
(WY)	2001	2000	2000	2000	2000	2000	1999	2001	2000	2000	2000	1999

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1997 - 2002	
ANNUAL TOTAL	101960		126001			
ANNUAL MEAN	279.3		345.2		252.9	
HIGHEST ANNUAL MEAN					345	2002
LOWEST ANNUAL MEAN					90.7	2000
HIGHEST DAILY MEAN	6600	Mar 4	13500	Sep 27	23300	Apr 28 1997
LOWEST DAILY MEAN	60	May 26	66	Nov 21	55	May 31 2000
ANNUAL SEVEN-DAY MINIMUM	63	May 24	68	Nov 16	55	May 29 2000
MAXIMUM PEAK FLOW			19700	Sep 27	31000	Apr 28 1997
MAXIMUM PEAK STAGE			17.81	Sep 27	18.66	Apr 28 1997
INSTANTANEOUS LOW FLOW			66	Nov 20,21,22	50	Jun 9 2000
ANNUAL RUNOFF (CFSM)	1.77		2.18		1.60	
ANNUAL RUNOFF (INCHES)	24.01		29.67		21.74	
10 PERCENT EXCEEDS	543		540		375	
50 PERCENT EXCEEDS	116		153		115	
90 PERCENT EXCEEDS	76		90		76	

e Estimated

07377000 AMITE RIVER NEAR DARLINGTON, LA

LOCATION.--Lat 30×53'20", long 90×50'40", in sec. 72, T. 2 S., R. 4 E., St. Helena Meridian, St. Helena Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on State Highway 10, 1.5 mi upstream from Collins Creek, and 4.0 mi west of Darlington.

DRAINAGE AREA.--580 mi^2.

PERIOD OF RECORD.--March 1949 to September 1950 (annual maximum), October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 145.81 ft above NGVD of 1929. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, at datum 2.99 ft higher.

REMARKS.--Records good, except for estimated daily discharge, which are poor. Several measurements of water temperature were made during the year. Satellite telemetry and rain gage at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 8,000 ft^3/s and maximum (*):

Date	Time	Discharge (ft^3/s)	Gage height (ft)	Date	Time	Discharge (ft^3/s)	Gage height (ft)
Sep 28	0800	*9,890	*12.67	No other peak greater than base discharge.			

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	266	297	428	315	1170	327	1180	322	474	273	390	243
2	264	295	343	309	1080	2460	1040	315	330	264	312	239
3	261	293	311	302	813	2210	737	308	285	256	270	238
4	260	289	296	297	614	1160	573	303	264	257	253	235
5	263	283	289	315	527	740	481	300	253	283	248	234
6	295	277	281	511	850	566	420	295	263	448	527	232
7	323	274	284	582	1780	473	385	290	255	358	1760	237
8	329	274	279	475	1440	417	1240	284	257	292	1230	259
9	284	273	277	412	921	391	6080	278	300	309	550	260
10	269	271	273	378	710	392	5610	271	307	286	385	241
11	299	270	271	358	587	358	3100	267	310	282	320	233
12	788	270	271	370	504	528	1240	264	281	277	319	229
13	713	267	548	974	448	1220	956	269	254	313	552	226
14	2730	267	1320	1000	410	987	779	272	247	874	1250	222
15	2280	267	1040	670	379	627	674	265	243	872	1090	220
16	1250	265	679	514	357	480	602	259	240	822	739	218
17	726	264	588	438	336	428	547	262	241	584	729	220
18	547	264	820	400	317	378	504	262	241	391	540	227
19	467	264	727	616	302	341	473	257	241	321	399	223
20	424	263	553	1840	704	315	446	249	245	289	340	228
21	394	259	452	1750	1230	499	424	247	240	272	314	228
22	374	258	404	1170	866	653	404	246	239	294	291	280
23	358	261	386	952	556	531	389	246	236	356	753	337
24	347	265	369	756	430	361	379	245	242	385	599	259
25	335	261	360	1480	368	302	366	245	245	358	375	292
26	320	267	342	2020	333	2180	352	250	379	477	322	1750
27	309	273	329	1360	306	6180	341	280	409	372	323	5710
28	303	310	340	860	278	3600	335	263	360	301	297	8700
29	301	348	348	685	---	1310	333	255	361	280	279	e7500
30	300	472	340	590	---	908	327	795	301	306	262	e4000
31	300	---	324	534	---	843	---	748	---	429	249	---
TOTAL	16679	8461	13872	23233	18616	32165	30717	9412	8543	11881	16267	33720
MEAN	538.0	282.0	447.5	749.5	664.9	1038	1024	303.6	284.8	383.3	524.7	1124
MAX	2730	472	1320	2020	1780	6180	6080	795	474	874	1760	8700
MIN	260	258	271	297	278	302	327	245	236	256	248	218
CFSM	0.93	0.49	0.77	1.29	1.15	1.79	1.77	0.52	0.49	0.66	0.90	1.94
IN.	1.07	0.54	0.89	1.49	1.19	2.06	1.97	0.60	0.55	0.76	1.04	2.16

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1951 - 2002, BY WATER YEAR (WY)

MEAN	454.3	552.4	1047	1254	1655	1593	1502	892.9	619.2	498.4	436.4	497.4
MAX	2964	2528	4106	3870	4793	5194	6032	4275	2915	2184	1491	2081
(WY)	1965	1958	1972	1998	1966	1980	1983	1953	1975	1989	1975	1975
MIN	197	225	263	339	311	358	318	213	252	217	215	220
(WY)	1964	1970	1967	1957	2000	2000	2001	2001	2000	2000	2000	1963

SUMMARY STATISTICS	FOR 2001 CALENDAR YEAR		FOR 2002 WATER YEAR		WATER YEARS 1951 - 2002	
ANNUAL TOTAL	314119		223566			
ANNUAL MEAN	860.6		612.5		905.6	
HIGHEST ANNUAL MEAN					1924	1983
LOWEST ANNUAL MEAN					328	2000
HIGHEST DAILY MEAN	24000	Jun 8	8700	Sep 28	58500	Apr 7 1983
LOWEST DAILY MEAN	191	May 30	218	Sep 16	170	Sep 7 2000
ANNUAL SEVEN-DAY MINIMUM	193	May 25	222	Sep 13	177	Sep 2 2000
MAXIMUM PEAK FLOW			9890	Sep 28	104000	Jan 25 1990
MAXIMUM PEAK STAGE			12.67	Sep 28	22.05	Jan 25 1990
INSTANTANEOUS LOW FLOW			215	Sep 16,17	167	Sep 7 2000
ANNUAL RUNOFF (CFSM)	1.48		1.06		1.56	
ANNUAL RUNOFF (INCHES)	20.15		14.34		21.22	
10 PERCENT EXCEEDS	1600		1120		1530	
50 PERCENT EXCEEDS	366		335		408	
90 PERCENT EXCEEDS	246		248		250	

e Estimated

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

Records collected at flood hydrograph partial-record stations are presented in the following tables. Annual maximum discharges for crest-stage partial-record stations, discharge measurements made at low-flow partial-record sites and at miscellaneous sites and for special studies are given in separate tables.

The data given in the following tables generally comprises a description of the station and a table showing time, gage height, and discharge at selected times for major peaks that occurred during the year.

The description of the station gives the location, drainage area, period of record, type and history of gages, extremes of discharge, and general remarks. The explanation of data presented is identical to that for gaging stations.

Flood hydrograph partial-record stations

MOBILE RIVER BASIN

02437000 TOMBIGBEE RIVER NEAR AMORY, MS

LOCATION.--Lat 34°59'07", long 88°33'06", in NW1/4 NE1/4 sec.3, T.12 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, near right bank on downstream side of bridge on U.S. Highway 278, 0.3 mi downstream from Town Creek, 3.5 mi west of Amory, and at mile 378.9.

DRAINAGE AREA.--1,928 mi^2, prior to construction of Tennessee-Tombigbee Waterway.

PERIOD OF RECORD.--October 1937 to September 1985. October 1985 to September 1987 (high-water records only). 1988-Current year (flood hydrograph only). Monthly discharge only for October and November 1937, published in WSP 1304. Daily mean gage heights published October 1971 to September 1986.

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

GAGE.--Water-stage recorder. Datum of gage is 178.34 ft above NGVD of 1929 (levels by U. S. Army Corps of Engineers). Prior to Oct. 10, 1939, nonrecording gage at site 1,500 ft upstream at same datum. Oct. 10, 1939 to Oct. 16, 1948, nonrecording gage at present site and datum. Water-stage recorder for station at Aberdeen (station 02437500),20 mi downstream, was used as an auxiliary gage for this station 1950-58.

REMARKS.--Records good. Some regulation by Tennessee-Tombigbee Waterway. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--47 years, (water year 1937-84) 3,156 ft^3/s, 22.22 in/yr, prior to construction of Tennessee-Tombigbee Waterway.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162,000 ft^3/s, Mar. 17, 1973, gage height, 34.65 ft, minimum,45 ft3/s, Sept. 20, 1954, minimum gage height, 0.77 ft, Sept. 1, 1943.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1892 reached a stage of 33.5 ft and the flood of December 1926 reached a stage of 31.5 ft, from U. S. Army Corps of Engineers profiles.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 63,800 ft^3/s, Jan. 25, gage height, 29.20 ft.

MOBILE RIVER BASIN--Continued

02437000 TOMBIGBEE RIVER NEAR AMORY, MS--Continued

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2002 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
12-13	0000	12.79	3,410	01-22	1200	14.50	5,810	05-03	0000	12.34	2,870
12-13	0200	13.31	4,090	01-23	0000	14.88	6,420	05-03	0400	12.54	3,110
12-13	0400	13.87	4,870	01-23	0300	16.97	10,300	05-03	0800	18.18	13,000
12-13	0600	14.66	6,070	01-23	0700	20.20	18,100	05-03	1200	20.98	20,200
12-13	0800	15.61	7,680	01-23	1000	21.48	21,800	05-03	1600	22.90	26,800
12-13	1000	16.66	9,680	01-23	1300	22.29	24,600	05-03	2000	24.66	34,300
12-13	1200	17.46	11,400	01-23	1600	22.77	26,300	05-04	0000	26.04	41,100
12-13	1400	18.12	12,800	01-23	1900	23.06	27,400	05-04	0200	26.60	44,500
12-13	1600	18.93	14,800	01-23	2200	23.07	27,500	05-04	0400	27.01	47,100
12-13	1800	20.19	18,000	01-24	0100	22.98	27,100	05-04	0600	27.34	49,200
12-13	2000	21.32	21,300	01-24	0400	22.72	26,200	05-04	0800	27.63	51,200
12-13	2200	22.29	24,600	01-24	0700	22.48	25,300	05-04	1000	27.91	53,100
12-14	0000	23.19	27,900	01-24	1000	22.52	25,400	05-04	1200	28.11	54,600
12-14	0200	23.61	31,600	01-24	1200	23.13	27,700	05-04	1400	28.32	56,200
12-14	0400	24.88	35,400	01-24	1400	23.85	30,600	05-04	1500	28.40	56,900
12-14	0600	25.56	38,700	01-24	1600	24.56	33,800	05-04	1600	28.48	57,500
12-14	0800	25.98	40,800	01-24	1800	25.25	37,200	05-04	1700	28.56	58,200
12-14	1100	26.50	43,900	01-24	2000	25.93	40,500	05-04	1800	28.60	58,500
12-14	1200	26.65	44,800	01-24	2200	26.51	43,900	05-04	1900	28.62	58,700
12-14	1300	26.70	45,100	01-25	0000	27.11	47,700	05-04	2000	28.66	59,000
12-14	1400	26.72	45,200	01-25	0200	27.64	51,200	05-04	2100	28.67	59,100
12-14	1500	26.76	45,500	01-25	0400	28.07	54,200	05-04	2200	28.70	59,400
12-14	1600	26.69	45,100	01-25	0600	28.49	57,600	05-04	2300	28.67	59,100
12-14	1700	26.62	44,600	01-25	0800	28.79	60,100	05-05	0000	28.65	58,900
12-14	1800	26.54	44,100	01-25	1000	28.93	61,300	05-05	0100	28.59	58,400
12-14	2000	26.25	42,400	01-25	1100	29.00	61,900	05-05	0200	28.55	58,100
12-14	2200	25.87	40,200	01-25	1200	29.10	62,900	05-05	0300	28.48	57,500
12-15	0000	25.41	37,900	01-25	1300	19.18	63,600	05-05	0400	28.40	56,900
12-15	0200	24.91	35,500	01-25	1400	29.20	63,800	05-05	0600	28.18	55,100
12-15	0400	24.32	32,700	01-25	1500	29.17	63,500	05-05	0800	27.95	53,400
12-15	0600	23.79	30,300	01-25	1600	29.18	63,600	05-05	1000	27.74	51,900
12-15	0800	23.33	28,500	01-25	1700	19.16	63,400	05-05	1200	27.51	50,300
12-15	1200	22.42	25,100	01-25	1800	19.12	63,100	05-05	1400	27.21	48,400
12-15	1600	21.83	23,000	01-25	1900	29.10	62,900	05-05	1600	26.91	46,400
12-15	2000	21.55	22,100	01-25	2000	29.01	62,000	05-05	1800	26.66	44,900
12-16	0000	21.48	21,800	01-25	2200	28.92	61,200	05-05	2000	26.32	42,800
12-16	0400	21.43	21,700	01-26	0000	28.78	60,000	05-05	2200	26.00	40,900
12-16	0800	21.39	21,500	01-26	0200	28.65	58,900	05-06	0000	25.66	39,200
12-16	1200	21.23	21,000	01-26	0400	28.51	57,800	05-06	0300	25.11	36,500
12-16	1600	20.92	20,000	01-26	0600	28.33	56,300	05-06	0600	24.55	33,800
12-16	2000	20.57	19,100	01-26	0800	28.17	55,000	05-06	0900	24.02	31,300
12-17	0000	20.21	18,100	01-26	1000	28.04	54,000	05-06	1200	23.41	28,800
12-17	0400	19.82	17,100	01-26	1200	27.86	52,700	05-06	1500	22.78	26,400
12-17	0800	19.30	15,700	01-26	1400	27.67	51,400	05-06	1800	22.21	24,300
12-17	1200	19.50	16,300	01-26	1700	27.41	49,700	05-06	2100	21.65	22,400
12-17	1600	20.66	19,300	01-26	2000	27.12	47,800	05-07	0000	21.08	20,500
12-17	2000	21.01	20,300	01-26	2300	26.83	45,900	05-07	0400	20.52	18,900
12-18	0000	20.69	19,400	01-27	0200	26.41	43,300	05-07	0800	20.00	17,500
12-18	0800	18.82	14,500	01-27	0600	25.85	40,100	05-07	1200	19.48	16,200
12-18	1600	17.44	11,300	01-27	0900	25.32	37,500	05-07	1600	18.90	14,700
12-19	0000	16.56	9,480	01-27	1200	24.75	34,700	05-07	2000	18.27	13,200
12-19	1200	15.76	7,950	01-27	1600	23.92	30,900	05-08	0000	17.68	11,800
12-19	1800	15.43	7,360	01-27	1900	23.25	28,200	05-08	1200	16.50	9,360
12-20	0000	15.21	6,970	01-27	2200	22.55	25,500	05-09	0000	15.75	7,930
12-20	1200	15.01	6,640	01-28	0200	21.66	22,400	05-09	1200	14.36	5,600
12-21	0000	14.52	5,840	01-28	1000	20.08	17,700	05-10	0000	13.73	4,670
12-21	1200	13.63	4,540	01-28	1800	18.82	14,500				
				01-29	0400	17.66	11,800				
				01-29	1600	16.55	9,460				
				01-30	0000	15.77	7,970				
				01-30	1200	15.12	6,820				

MOBILE RIVER BASIN--Continued

02441000 TIBBEE CREEK NEAR TIBBEE, MS

LOCATION.--Lat 33°32'16", long 88°38'00", in NW1/4 NW1/4 sec.4, T.18 N., R.16 E., Choctaw Meridian, Clay County, Hydrologic Unit 03160104, on right bank 10 ft downstream from bridge on old State Highway 25, 560 ft upstream from Illinois Central and Gulf Railroad bridge, 0.7 mi north of Tibbee, 4.5 mi upstream from Magee Creek, 5.0 mi south of West Point, 9.8 mi upstream from Catalpa Creek, and 17.7 mi upstream from mouth.

DRAINAGE AREA.--926 mi^2.

PERIOD OF RECORD.--August 1928 to September 1930, October 1939 to January 1981, February 1981 to September 1987 (high-water records only). October 1987 to current year (flood hydrograph only). Monthly discharge only for September 1930 and October 1939, published in WSP 1034. Prior to October 1950, published as Tibbee River near Tibbee.

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

GAGE.--Water-stage recorder. Datum of gage is 154.07 ft above NGVD of 1929 (levels by U. S. Army Corps of Engineers). Aug. 7, 1928 to Aug. 31, 1930, nonrecording gage at site 560 ft downstream at present datum. Nov. 5 to Dec. 6, 1939, nonrecording gage at present site and datum.

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

AVERAGE DISCHARGE.--43 years (water years 1929-30, 1940-80), 1,343 ft^3/s, 19.70 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 81,600 ft^3/s, Mar. 17, 1973, gage height, 32.26 ft, no flow at times many years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1926 reached a stage of 31.5 ft, from information by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 32,100 ft^3/s, Dec. 15, gage height [a]27.27 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2002 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-23	1000	9.84	887	03-16	0600	10.36	1,120	03-30	0400	9.91	919
01-23	1500	10.18	1,040	03-16	1200	11.84	1,710	03-30	0800	11.99	1,760
01-23	2000	10.82	1,330	03-16	1800	13.31	2,310	03-30	1200	14.85	3,050
01-24	0000	11.33	1,520	03-17	0000	14.84	3,050	03-30	1600	15.98	3,680
01-24	0400	11.79	1,690	03-17	1200	17.78	4,810	03-30	2000	16.50	3,990
01-24	0800	12.14	1,820	03-17	2000	18.92	5,620	03-31	0000	17.36	4,530
01-24	1200	13.39	2,340	03-18	0000	19.32	5,930	03-31	0300	18.06	5,000
01-24	1600	15.71	3,520	03-18	0800	19.59	6,140	03-31	0600	18.84	5,560
01-24	2000	17.58	4,680	03-18	1600	19.37	5,960	03-31	0900	19.72	6,240
01-25	0000	19.06	5,730	03-19	0000	19.00	5,680	03-31	1200	20.67	7,010
01-25	0300	20.08	6,530	03-19	0800	18.64	5,420	03-31	1500	21.44	7,650
01-25	0600	21.00	7,280	03-19	1600	18.46	5,290	03-31	1800	21.91	8,190
01-25	0900	21.83	8,090	03-20	0000	18.57	5,370	03-31	2200	22.38	9,110
01-25	1200	22.68	9,810	03-20	0800	18.86	5,580	04-01	0000	22.50	9,380
01-25	1500	23.52	12,400	03-20	1600	18.99	5,680	04-01	0200	22.63	9,690
01-25	1800	24.81	17,800	03-20	2000	19.06	5,730	04-01	0400	22.72	9,900
01-25	2100	25.68	22,200	03-21	0000	19.30	5,910	04-01	0600	22.94	10,400
01-26	0000	26.23	25,300	03-21	0400	19.39	5,980	04-01	0800	23.05	10,800
01-26	0200	26.46	26,700	03-21	0800	19.41	6,000	04-01	1000	23.14	11,100
01-26	0400	26.63	27,800	03-21	1200	19.57	6,120	04-01	1200	23.15	11,100
01-26	0500	26.69	28,200	03-21	1600	19.85	6,340	04-01	1300	23.19	11,200
01-26	0600	26.79	28,800	03-21	2000	20.16	6,590	04-01	1400	23.23	11,400
01-26	0700	26.80	28,900	03-22	0000	20.40	6,790	04-01	1500	23.26	11,500
01-26	0800	26.83	29,100	03-22	0200	20.54	6,900	04-01	1600	23.26	11,500
01-26	0900	26.88	29,400	03-22	0400	20.67	7,010	04-01	1700	23.27	11,500
01-26	1000	26.90	29,600	03-22	0600	20.82	7,130	04-01	1800	23.30	11,600
01-26	1100	26.90	29,600	03-22	0800	20.98	7,260	04-01	1900	23.26	11,500
01-26	1200	26.89	29,500	03-22	1000	21.10	7,360	04-01	2000	23.29	11,600
01-26	1300	26.90	29,600	03-22	1200	21.20	7,440	04-01	2100	23.29	11,600
01-26	1400	26.88	29,400	03-22	1400	21.30	7,530	04-01	2200	23.26	11,500
01-26	1500	26.82	29,000	03-22	1600	21.37	7,590	04-01	2300	23.22	11,300
01-26	1600	26.81	29,000	03-22	1800	21.43	7,640	04-02	0000	23.23	11,400
01-26	1800	26.73	28,400	03-22	1900	21.46	7,670	04-02	0200	23.24	11,400
01-26	2000	26.62	27,700	03-22	2000	21.45	7,660	04-02	0400	23.20	11,300
01-26	2200	26.50	27,000	03-22	2100	21.46	7,670	04-02	0600	23.18	11,200
01-27	0000	26.36	26,100	03-22	2200	21.49	7,690	04-02	0800	23.15	11,100
01-27	0300	26.13	24,800	03-22	2300	21.44	7,650	04-02	1200	23.07	10,800
01-27	0600	25.87	23,300	03-23	0000	21.45	7,660	04-02	1800	22.91	10,400
01-27	0900	25.58	21,600	03-23	0100	21.44	7,650	04-02	2200	22.77	10,000
01-27	1200	25.29	20,100	03-23	0200	21.47	7,670	04-03	0400	22.55	9,500
01-27	1500	25.00	18,700	03-23	0300	21.46	7,670	04-03	1200	22.00	8,300
01-27	1800	24.67	17,100	03-23	0400	21.43	7,640	04-03	2000	20.99	7,270
01-27	2100	24.36	15,800	03-23	0600	21.39	7,610	04-04	0000	20.33	6,370
01-28	0000	24.04	14,400	03-23	0800	21.36	7,580	04-04	0600	19.20	5,830
01-28	0400	23.62	12,800	03-23	1000	21.30	7,530	04-04	1800	16.42	3,940
01-28	0800	23.20	11,300	03-23	1200	21.28	7,510	05-05	0000	14.56	2,900
01-28	1200	22.69	9,830	03-23	1400	21.22	7,460	05-05	1600	10.43	1,150
01-28	1600	22.13	8,570	03-23	1600	21.13	7,390	05-05	2300	10.05	982
01-28	2000	21.46	7,670	03-23	1800	21.00	7,280				
01-29	0000	20.67	7,010	03-23	2000	20.88	7,180				
01-29	1200	18.03	4,980	03-24	0000	20.58	6,930				
01-30	0000	14.92	3,090	03-24	1200	18.99	5,680				
01-30	1200	11.86	1,710	03-25	0000	16.41	3,930				
				03-25	1200	12.46	1,950				

a From flood mark.

JOURDAN RIVER BASIN

02481660 JOURDAN RIVER AT KILN, MS

LOCATION.--Lat 30°23′13", long 89°26′20", SW1/4 sec.31, T.7 S., R.14 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03170009, at State Highway 43, 1.5 mi south of Kiln, MS, about 10 mi north of Bay St. Louis, MS, and about 10.6 mi upstream of the Gulf of Mexico.

DRAINAGE AREA.--210 mi^2.

PERIOD OF RECORD.--February 1999 to current year.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is 0.00 ft NAVD 1988.

REMARKS.--Records fair.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of May 9-10, 1995, discharge 37,000 ft^3/s, May 10, 1995, gage height 12.48 ft.

EXTREMES FOR 2002 WATER YEAR.--Maximum discharge 25,200 ft^3/s, Sep. 26, gage height 8.49 ft.

GAGE-HEIGHT, IN FEET, AND DISCHARGE IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2002 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-05	1100	0.72	2,070	09-25	0000	2.47	7,950
01-05	1130	0.96	2,960	09-25	0400	3.57	11,400
01-05	1200	1.22	3,850	09-25	1200	3.46	11,000
01-05	1230	1.48	4,750	09-25	1600	3.27	10,500
01-05	1300	1.60	5,150	09-25	1800	3.27	10,500
01-05	1330	1.64	5,280	09-25	2000	3.46	11,000
01-05	1400	1.64	5,280	09-25	2200	4.50	14,200
01-05	1430	1.64	5,280	09-26	0000	5.67	17,500
01-05	1500	1.65	5,310	09-26	0030	5.99	18,400
01-05	1530	1.68	5,410	09-26	0100	6.39	19,500
01-05	1600	1.75	5,630	09-26	0130	6.75	20,500
01-05	1630	1.90	6,120	09-26	0200	7.13	21,500
01-05	1700	2.08	6,710	09-26	0230	7.50	22,500
01-05	1730	2.26	7,280	09-26	0300	7.80	23,300
01-05	1800	2.44	7,860	09-26	0330	8.06	24,000
01-05	2130	2.60	8,370	09-26	0400	8.24	24,500
01-05	2145	2.66	8,560	09-26	0430	8.38	24,900
01-05	2200	2.69	8,650	09-26	0500	8.46	25,100
01-05	2215	3.22	10,300	09-26	0515	8.48	25,200
01-05	2230	3.21	10,300	09-26	0530	8.49	25,200
01-05	2245	3.18	10,200	09-26	0545	8.49	25,200
01-05	2300	3.12	10,000	09-26	0615	8.48	25,200
01-05	2315	3.06	9,820	09-26	0630	8.47	25,100
01-05	2330	2.98	9,580	09-26	0645	8.43	25,000
01-05	2345	2.92	9,390	09-26	0700	8.42	25,000
01-06	0000	2.83	9,100	09-26	0730	8.38	24,900
01-06	0030	2.63	8,460	09-26	0800	8.30	24,700
01-06	0100	2.40	7,730	09-26	0830	8.23	24,500
01-06	0130	2.12	6,830	09-26	0900	8.20	24,400
01-06	0200	1.83	5,900	09-26	0930	8.17	24,300
01-06	0230	1.51	4,850	09-26	1000	8.06	24,000
01-06	0300	1.21	3,810	09-26	1100	7.98	23,800
01-06	0330	0.98	3,030	09-26	1200	7.88	23,600
01-06	0400	0.73	2,110	09-26	1300	7.69	23,000
				09-26	1400	7.55	22,700
				09-26	1500	7.40	22,300
				09-26	1600	7.24	21,800
				09-26	1700	7.17	21,600
				09-26	1800	7.03	21,300
				09-26	1900	6.99	21,100
				09-26	2000	6.87	20,800
				09-26	2100	6.89	20,900
				09-26	2200	6.79	20,600
				09-26	2300	6.89	20,900
				09-27	0000	6.76	20,500
				09-27	0200	6.97	21,100
				09-27	0400	7.00	21,200
				09-27	0600	6.93	21,000
				09-27	0800	6.84	20,700
				09-27	1000	6.80	20,600
				09-27	1200	6.62	20,100
				09-27	1400	6.46	19,700
				09-27	1600	6.18	18,900
				09-27	2000	5.43	16,900
				09-28	0000	4.70	14,800
				09-28	0400	4.10	13,000
				09-28	0800	3.36	10,700
				09-28	1200	2.34	7,540

PEARL RIVER BASIN

02485800 EUBANKS CREEK AT JACKSON, MS

LOCATION.--Lat 32°20′22", long 90°09′51", in NW1/4 NE1/4 sec.26, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, near left bank at downstream side of Wood Dale Drive bridge in Jackson, about 1,600 ft upstream from Interstate 55 and 1.3 mi upstream from the mouth.

DRAINAGE AREA.--5.19 mi^2, revised. (Inclueldes 1.28 mi^2 impounded by Lake Hico.)

PERIOD OF RECORD.--August 1953 to current year (annual peaks only prior to 1988 water year).

GAGE.--Water-stage recorder. Datum of gage is 262.02 ft above NGVD of 1929, supplementary adjustment of 1941. A continuous recorder was previously located 1,600 ft downstream from the present site at datum 0.74 ft lower than the present and was in operation from July 1954 to August 1959. A crest-stage gage was also in operation from November 1953 through February 1959, located 1,700 ft downstream from the present site.

REMARKS.--Records fair. Occasional backwater from Pearl River.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,200 ft^3/s, Apr. 29, 1953, gage height, 12.20 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,420 ft^3/s, Jul. 30, gage height 12.56 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2002 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
03-16	0600	5.03	189	07-30	1800	4.66	141	08-16	1945	4.50	122
03-16	0615	8.08	814	07-30	1815	7.40	640	08-16	2000	7.97	785
03-16	0630	9.08	1,100	07-30	1830	10.69	1,650	08-16	2015	9.68	1,300
03-16	0645	8.22	852	07-30	1845	12.30	2,300	08-16	2030	10.30	1,510
03-16	0700	7.20	593	07-30	1900	12.56	2,420	08-16	2045	9.98	1,400
03-16	0715	7.03	554	07-30	1915	12.46	2,370	08-16	2100	9.03	1,090
03-16	0730	6.93	532	07-30	1930	12.19	2,260	08-16	2115	7.95	779
03-16	0745	6.63	467	07-30	1945	11.55	1,990	08-16	2130	6.83	510
03-16	0800	6.20	381	07-30	2000	10.84	1,710	08-16	2145	5.98	340
03-16	0815	5.76	302	07-30	2015	10.25	1,490	08-16	2200	5.32	231
03-16	0830	5.36	237	07-30	2030	9.35	1,190	08-16	2215	4.88	169
03-16	0845	5.03	189	07-30	2045	7.92	772	08-16	2230	4.56	129
03-16	0900	4.77	155	07-30	2100	6.63	467	08-16	2245	4.33	104
03-16	0915	4.55	128	07-30	2115	5.93	332	08-16	2300	4.12	83
03-16	0930	4.36	107	07-30	2130	5.41	245				
03-16	0945	4.19	90	07-30	2145	4.95	178				
03-16	1000	4.05	76	07-30	2200	4.61	135				
				07-30	2215	4.37	108				
				07-30	2230	4.15	86				

PEARL RIVER BASIN--Continued

02485950 TOWN CREEK AT JACKSON, MS

LOCATION.--Lat 32°18'15", long 90°11'34", in NW1/4 SW1/4sec.3, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at bridge on Gallatin street in Jackson, 300 ft upstream of Illinois Central Railroad and 2.5 mi upstream from mouth.

DRAINAGE AREA.--11.4 mi^2.

PERIOD OF RECORD.--August 1954 to current year (Annual peaks only prior to 1989 water year).

GAGE.--Water-stage recorder. Datum of gage is 260.72 ft above NGVD of 1929. Prior to Mar. 2, 1988, at datum 2.00 ft higher.

REMARKS.--Records fair. Occasional backwater from Pearl River.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,520 ft^3/s, Aug. 12, 2001, maximum gage height, 15.09 ft, Aug. 12, 2001.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1921, maximum discharge, 6,000 ft^3/s, gage height, 19.00 ft (but may have been at different datum).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,660 ft^3/s, Aug. 16, gage height, 11.60 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2002 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
07-30	1830	7.03	1,620	08-16	2000	4.44	722	09-22	0930	3.32	409
07-30	1845	9.05	2,460	08-16	2015	8.85	2,370	09-22	0945	7.12	1,660
07-30	1900	9.87	2,830	08-16	2030	11.05	3,390	09-22	1000	8.74	2,320
07-30	1915	10.39	3,070	08-16	2045	11.60	3,660	09-22	1015	9.25	2,550
07-30	1930	10.64	3,190	08-16	2100	11.57	3,640	09-22	1030	9.16	2,510
07-30	1945	10.68	3,210	08-16	2115	10.93	3,330	09-22	1045	8.51	2,230
07-30	2000	10.42	3,090	08-16	2130	10.19	2,980	09-22	1100	7.86	1,950
07-30	2015	10.03	2,900	08-16	2145	9.15	2,500	09-22	1115	7.03	1,620
07-30	2030	9.62	2,720	08-16	2200	8.12	2,060	09-22	1130	6.27	1,340
07-30	2045	9.00	2,440	08-16	2215	7.21	1,690	09-22	1145	5.61	1,100
07-30	2100	8.32	2,140	08-16	2230	6.29	1,340	09-22	1200	4.99	894
07-30	2115	7.44	1,780	08-16	2245	5.52	1,070	09-22	1215	4.51	743
07-30	2130	6.80	1,530	08-16	2300	4.97	887	09-22	1230	3.96	581
07-30	2145	6.01	1,240	08-16	2315	4.61	774	09-22	1245	3.66	498
07-30	2200	5.51	1,070	08-16	2330	4.12	627	09-22	1300	3.26	394
07-30	2215	5.06	916	08-16	2345	3.91	567				
07-30	2230	4.78	827	08-17	0000	3.64	493				
07-30	2245	4.50	740	08-17	0015	3.38	424				
07-30	2300	4.23	659	08-17	0030	3.28	399				
07-30	2315	3.96	581								
07-30	2330	3.70	509								
07-30	2345	3.52	461								
07-31	0000	3.21	381								
07-31	0015	3.06	344								

PEARL RIVER BASIN--Continued

02486100 LYNCH CREEK AT JACKSON, MS

LOCATION.--Lat 32°17’03", long 90°12’53", in SW1/4 SE1/4 sec.8, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, near left bank at the downstream side of Valley Street bridge in Jackson, 2,000 ft downstream of Highway 80, and 2.0 mi upstream from the mouth.

DRAINAGE AREA.--12.0 mi^2 (11.1 mi^2 at U.S. Highway 80, furnished by City of Jackson plus 0.9 mi^2 intervening area estimated from City of Jackson 2-ft contour map).

PERIOD OF RECORD.--August 1954 to current year (annual peaks only prior to 1988 water year).

GAGE.--Water-stage recorder. Datum of gage is 261.68 ft above NGVD of 1929.

REMARKS.--Records poor. Occasional backwater from Pearl River.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,180 ft^3/s, Apr. 20, 1995, gage height, 16.30 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 29, 1953, maximum discharge, 7,500 ft^3/s, gage height, 18.9 ft (from floodmark). Flood prior to 1939 reached a stage of 19.2 ft (from Mississippi Highway Department).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, unknown, Aug. 1, 2002, gage height unknown.

GAGE-HEIGHT, IN FEET, AND DISCHARGE IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2002 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
07-01	2330	4.36	108	07-10	1715	4.08	85	09-21	1945	4.40	112
07-01	2345	4.48	119	07-10	1730	4.35	107	09-21	2000	6.53	408
07-02	0000	4.49	120	07-10	1745	5.35	218	09-21	2015	6.87	476
07-02	0015	4.49	120	07-10	1800	6.34	373	09-21	2030	6.38	380
07-02	0030	4.53	124	07-10	1815	6.64	429	09-21	2045	5.89	296
07-02	0045	4.88	160	07-10	1830	6.44	391	09-21	2100	5.55	245
07-02	0100	5.75	275	07-10	1845	6.17	343	09-21	2115	5.34	216
07-02	0115	6.36	376	07-10	1900	5.76	276	09-21	2130	5.22	201
07-02	0130	6.45	393	07-10	1915	5.33	215	09-21	2145	5.16	193
07-02	0145	6.22	351	07-10	1930	5.05	180	09-21	2200	5.10	186
07-02	0200	5.94	304	07-10	1945	4.97	171	09-21	2215	5.08	184
07-02	0215	5.74	273	07-10	2000	4.98	172	09-21	2230	4.91	164
07-02	0230	5.62	255	07-10	2015	4.94	167	09-21	2245	4.84	156
07-02	0245	5.46	233	07-10	2030	4.91	164	09-21	2300	4.73	144
07-02	0300	5.40	224	07-10	2045	4.83	155	09-21	2315	4.66	137
07-02	0315	5.34	216	07-10	2100	4.62	133	09-21	2330	4.57	128
07-02	0330	5.32	214	07-10	2115	4.45	117	09-21	2345	4.51	122
07-02	0345	5.21	200	07-10	2130	4.31	104				
07-02	0400	5.04	179	07-10	2145	4.19	94				
07-02	0415	4.89	162	07-10	2200	4.09	86				
07-02	0430	4.76	147	07-10	2215	4.00	79				
07-02	0445	4.64	135								
07-02	0500	4.54	125								
07-02	0515	4.45	117								
07-02	0530	4.36	108								

PEARL RIVER BASIN--Continued

02486350 CANY CREEK AT JACKSON, MS

LOCATION.--Lat 32°14'16", long 90°13'59", in NW1/4 NE1/4 sec.31, T.5 N., R.1 E., Choctaw Meridian, Hinds County,Hydrologic Unit 03180002, at bridge on Terry Road (Old U.S. Highway 51 south) at Jackson, and about 2.5 mi upstream from the confluence with the Pearl River.

DRAINAGE AREA.--8.38 mi^2.

PERIOD OF RECORD.--Occasional discharge measurements, annual maximums, water years 1961-77. November 1993 to September 1994 (high water records only).

GAGE.--Water-stage recorder. Datum of gage is 255.00 ft above NGVD of 1929. November 1960 to September 1977 crest-stage gage at same site and datum 55 ft lower.

REMARKS.--Records fair. Backwater from Pearl River: March 3-10. Satellite telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,520 ft^3/s, Aug. 1, 2002, gage height, 12.74 ft present datum, minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,520 ft^3/s, Aug. 1, gage height 12.74 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 2002 WATER YEAR

Date	Time	Gage Height	Discharge
08 01	0930	3.41	48
08 01	0945	3.41	48
08 01	1000	3.41	48
08 01	1015	3.40	47
08 01	1030	3.39	46
08 01	1045	3.39	46
08 01	1100	3.38	45
08 01	1115	3.38	45
08 01	1130	3.37	45
08 01	1145	3.36	44
08 01	1200	3.57	60
08 01	1215	5.08	249
08 01	1230	6.53	562
08 01	1245	9.59	1730
08 01	1300	11.38	3460
08 01	1315	12.32	4810
08 01	1330	12.74	5520
08 01	1345	12.71	5470
08 01	1400	12.28	4750
08 01	1415	11.57	3710
08 01	1430	10.53	2500
08 01	1445	9.54	1700
08 01	1500	8.41	1160
08 01	1515	7.59	875
08 01	1530	6.96	681
08 01	1545	6.56	570
08 01	1600	6.25	491
08 01	1615	5.94	418
08 01	1630	5.66	358
08 01	1645	5.47	320
08 01	1700	5.31	289
08 01	1715	5.20	269
08 01	1730	5.09	250
08 01	1745	5.00	235
08 01	1800	4.92	222
08 01	1815	4.84	209
08 01	1830	4.77	199
08 01	1845	4.71	190
08 01	1900	4.65	181
08 01	1915	4.59	172
08 01	1930	4.53	164
08 01	1945	4.48	157
08 01	2000	4.42	149
08 01	2015	4.36	141
08 01	2030	4.30	134
08 01	2045	4.24	127
08 01	2100	4.18	120
08 01	2115	4.13	114

Date	Time	Gage Height	Discharge
08 16	1930	3.07	24
08 16	1945	3.08	24
08 16	2000	3.11	26
08 16	2015	3.86	80
08 16	2030	9.54	1660
08 16	2045	10.70	2610
08 16	2100	10.99	2920
08 16	2115	10.90	2820
08 16	2130	10.44	2350
08 16	2145	9.83	1840
08 16	2200	9.01	1380
08 16	2215	8.20	1060
08 16	2230	7.56	846
08 16	2245	6.96	664
08 16	2300	6.65	578
08 16	2315	6.32	494
08 16	2330	6.00	418
08 16	2345	5.74	362
08 17	0000	5.55	324
08 17	0015	5.40	295
08 17	0030	5.29	275
08 17	0045	5.19	257
08 17	0100	5.10	242
08 17	0115	5.03	230
08 17	0130	4.95	217
08 17	0145	4.87	205
08 17	0200	4.78	191
08 17	0215	4.72	182
08 17	0230	4.64	171
08 17	0245	4.56	160
08 17	0300	4.49	151
08 17	0315	4.41	140
08 17	0330	4.35	133
08 17	0345	4.28	124
08 17	0400	4.22	117
08 17	0415	4.17	112
08 17	0430	4.12	106
08 17	0445	4.08	102

Date	Time	Gage Height	Discharge
09 26	0230	3.88	71
09 26	0245	3.92	74
09 26	0300	4.03	85
09 26	0315	4.17	99
09 26	0330	4.34	117
09 26	0345	4.71	164
09 26	0400	5.16	232
09 26	0415	5.61	312
09 26	0430	6.42	489
09 26	0445	7.16	687
09 26	0500	7.57	811
09 26	0515	7.95	935
09 26	0530	8.23	1030
09 26	0545	8.54	1150
09 26	0600	8.98	1320
09 26	0615	9.32	1470
09 26	0630	9.62	1640
09 26	0645	9.62	1640
09 26	0700	9.54	1590
09 26	0715	9.39	1510
09 26	0730	9.21	1420
09 26	0745	9.07	1350
09 26	0800	9.06	1350
09 26	0815	9.38	1500
09 26	0830	9.91	1820
09 26	0845	10.13	1970
09 26	0900	10.29	2100
09 26	0915	10.23	2040
09 26	0930	10.13	1970
09 26	0945	9.91	1820
09 26	1000	9.60	1620
09 26	1015	9.21	1420
09 26	1030	8.77	1230
09 26	1045	8.44	1110
09 26	1100	8.14	1000
09 26	1115	8.23	1030

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Maximum discharge at crest-stage partial-record stations

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum			Period of record maximum		
			Date	Gage height (ft)	Discharge (ft^3/s)	Date	Gage height (ft)	Discharge (ft^3/s)
			MOBILE RIVER BASIN					
Bull Mountain Creek near Tilden, MS (02432920)	Lat 34°10′48″, long 88°18′41″ in SW1/4 sec. 25, T.10 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101 on county highway, 2 mi east of Tilden. Drainage area is 274 mi^2.	1992-1997g, 2001-2002	04-04-01 05-04-02	d21.90 21.11	d23,300 16,300	04-04-01	21.90	23,300
Town Creek at Tupelo, MS (02434000)	Lat 34°17′42″, long 88°42′32″ in SW1/4 SE1/4 sec. 18, T.9 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, on U.S. Highway 45, 0.5 mi north of city limits of Tupelo. Prior to 1971 at datum 0.40 ft higher. Drainage area is 111 mi^2.	1944-46‡, 1952-70‡, 1971-2002	10-13-01	23.45	11,400	03-21-55	27.72	23,000
Coonewah Creek at Shannon, MS (02435800)	Lat 34°08′21″, long 88°43′09″, in SE1/4 sec. 12, T.11 S., R.5 E., Chickasaw Meridian, Lee, County, Hydrologic Unit 03160102, on U.S. Highway 45, 1.0 mi north of Shannon and 4.5 mi upstream from mouth. Drainage area is 53.1 mi^2.	1953-2002	09-26-02	11.04	1,760	04-11-62	19.57	22,400
Chiwapa Creek at Shannon, MS (02436000)	Lat 34°06′38″, long 88°43′19″ in NE1/4 SE1/4 sec. 24, T.11 S., R.5 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, at bridge on U.S. Highway 45W at Shannon, and 0.7 mi above Gulf, Mobile, and Ohio Railroad bridge. Drainage area is 145 mi^2.	1952-67‡, 1968-2002	12-13-01	12.79	18,400	03-21-55	15.72	35,500
Mattubby Creek near Aberdeen, MS (02437300)	Lat 33°52′13″, long 88°35′46″, in SE1/4 SE1/4 sec. 7, T.14 S., R.7E., Chickasaw Meridian Monroe County, Hydrologic Unit 03160101, at bridge on U.S. Highway 45, 1.5 mi above Wolf River, and 4.1 mi northwest of Aberdeen. Drainage area is 92.2 mi^2.	1952-2002	01-25-02	94.78	13,300	12-21-90	95.27	14,600
Nichols Creek tributary near Quincy, MS (02437550)	Lat 33°54′18″, long 88°21′02″, in SE1/4 sec. 29, T.13 S., R.10 E., Huntsville Meridian, Monroe County, Hydrologic Unit 03160101, at culvert on U.S. Highway 278, 1.0 mi southeast of Quincy. Drainage area is 0.54 mi^2.	1967-2002	04-04-01 05-03-02	5.59 5.82	d100 130	10-30-93	9.70	630
James Creek at Aberdeen, MS (02437600)	Lat 33°48′48″, long 88°33′51″, in SW1/4 SE1/4 sec. 33. T.14 S., R.7 E. Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, at bridge on State Highway 25, 0.4 mi southwest of Aberdeen. Prior to Oct. 1988, at datum 10.00 ft higher. Drainage area is 28.4 mi^2.	1964-68‡, 1969-2002	12-14-01	24.95	6,510	10-22-84	15.21	6,970
Chuquatonchee Creek near Okalona, MS (02439980)	Lat 34°00′08″, long 88°52′52″, in NE1/4 sec. 33, T.12 S., R.4 E., Chickasaw Meridian, Chickasaw County, Hydrologic Unit 03160104, at bridge on State Highway 32, 7.5 mi west of Okolona. Drainage area is 68.6 mi^2.	1963-68, 1969-80, 1984-86, 1988-2002	11-29-01	9.30	2,040	03-16-73	16.93	15,000
Chuquatonchee Creek near Egypt, MS (02440000)	Lat 33°50′24″, long 88°45′42″, on line between secs. 22 and 27, T.14 S., R.5 E., Chickasaw Meridian, Chickasaw County, Hydrologic Unit 03160104, at bridge on State Highway 8, 4.5 mi southwest of Egypt. Drainage area is 167 mi^2.	1952-73‡ 1974-2002	01-25-02	14.53	14,100	03-16-73	16.61	36,300
Houlka Creek near McCondy MS (02440400)	Lat 33°47′07″, long 88°15′17″, in SE1/4 SW1/4 sec. 11, T.15 S., R.4 E., Chickasaw Meridian, Clay County, Hydrologic Unit 03160104, at bridge on State Highway 47, 2.8 mi south of McCondy. Drainage area is 189 mi^2.	1963-68‡ 1969-2002	01-25-02	15.88	15,900	03-16-73	18.65	40,000

Crest-stage partial-record stations--Continued

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum Date	Gage height (ft)	Dis-charge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Dis-charge (ft^3/s)
	MOBILE RIVER BASIN--Continued							
Line Creek near Maben, MS (02440600)	Lat 33°39′17″, long 89°03′40″, in S1/2 sec. 26 T.16 S., R.2 E., Chickasaw Meridian, Webster County, Hydrologic Unit 0316014, at bridge on State Highway 15, 1,000 ft below Gulf, Mobile, and Ohio Railroad, and 7.0 mi north of Maben. Drainage area is 4.76 mi^2.	1952-2002	12-14-01	22.28	3,640	12-03-83	28.33	7,540
Trim Cane Creek near Starkville, MS (02440800)	Lat 33°28′09″, long 88°54′29″, in W1/2 sec. 25, T.19 N., R.13 E., Choctaw Meridian, Oktibbeha County, Hydrologic Unit 03160104, at bridge on U.S. Highway 82, 3.0 mi above Biba Wila Creek, and 6.0 mi west of Starkville, Drainage area is 44.9 mi^2.	1952-2002	09-27-02	17.19	1,950	05-19-83	28.10	9,980
Sand Creek tributary, near Mayhew, MS (02441220)	Lat 33°28′38″, long 88°43′23″, on line between SW1/4 sec. 27 and NW1/4 sec. 34, T.19 N., R.15 E., Choctaw Meridian, Oktibbeha County, Hydrologic Unit 03160104, on U.S. Highway 82, 3.7 mi west of Hayhew. Drainage area is 0.44 mi^2.	1966-2002	10-14-01	7.58	320	04-27-84	8.75	395
Catalpa Creek at Mayhew, MS (02441300)	Lat 33°28′53″, long 88°37′43″, in NE1/4 SW1/4 sec. 28, T.19 N., R.15 E., Chowtaw Meridian, Oktibbeha County, Hydrologic Unit 03160104, at bridge on U.S. Highway 82, 0.5 mi east of Mayhew, Drainage area is 98.0 mi^2.	1963-68‡, 1969-2002	01-24-02	17.48	7,460	04-13-79	21.52	19,800
Luxapallila Creek at Steens, MS (02443000)	Lat 33°33′37″, long 88°18′55″, in NE1/4 sec. 27, T.17 S., R.17 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160105, on county highway 0.2 mi southeast of Steens. Drainage area is 309 mi^2.	1944-47‡, 1950-77‡, 1978-2002	12-16-01	17.10	6,720	01-06-49	19.20	16,000
Flat Scooba Creek tributary near Scooba, MS (02448620)	Lat 32°50′26″, long 88°28′07″, in SE1/4 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.	1967-2002	10-14-01	3.63	75	04-12-79	8.87	427
	PASCAGOULA RIVER BASIN							
Leaf River near Raleigh, MS (02471100)	Lat 32°00′43″, long 89°25′57″, in SE1/4 SE1/4 sec. 13, T.2 N., R.8 E., Chowtaw Meridian, Smith County, Hydologic Unit 03170004, at bridge on State Highway 18, 6.0 mi east of Raleigh. Drainage area is 143 mi^2.	1940-43c, 1957-2002	12-14-01	15.86	3,060	04-13-74	28.17	17,000
Leaf River at Taylorsville, MS (02471250)	Lat 31°49′41″, long 89°24′26″, on line between secs. 16 and 21, T.10 N., R.14 W., St. Stephens Meridian, Smith County, Hydrologic Unit 03170004, on State Highway 28, 1.0 mi east of Taylorsville. Drainage area is 459 mi^2.	1968-2002	01-26-02	41.61	7,880	04-14-74	57.44	37,600
Oakohay Creek at Mize, MS (02471500)	Lat 31°52′50″, long 89°32′51″, in NW1/4 sec. 6, T.10 N., R.15 W., St. Stephens Meridian, Smith County, Hydrologic Unit 03170004, on State Highway 28, at Mize. Drainage area is 185 mi^2.	1943-49‡, 1968-2002	10-14-01	11.48	2,050	04-13-74	17.26	28,900
Bouie Creek near Sandford, MS (02472420)	Lat 31°28′19″, long 89°31′18″, in NE1/4 sec. 20, T.6 N., R.15 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004 at bridge on State Highway 589, 5.0 mi southwest of junction with U.S. Highway 49. Drainage area is 262 mi^2.	1968-2002	12-14-01	(b)	f3,900	04-13-74	32.22	a32,000

Crest-stage partial-record stations--Continued

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum Date	Gage height (ft)	Discharge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Discharge (ft^3/s)
	PASCAGOULA RIVER BASIN--Continued							
Gordon Creek at Hattiesburg, MS (02473047)	Lat 31°19′41″, long 89°18′05″, in NW1/4 NE1/4 sec. 9, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170005, at bridge on Broad Street in Hattiesburg Drainage area is 8.83 mi^2.	1969-2002	09-26-02	11.65	3,650	04-06-83	16.89	6,920
Tallahattah Creek near Waldrup, MS (02473480)	Lat 31°51′42″, long 89°05′12″, in NW1/4 SE1/4 sec. 3, T.10 N., R.11 W., St. Stephens Meridian, Jasper County, Hydrologic Unit 03170005, on paved county road, 8.7 mi south of Waldrup. Drainage area is 30.4 mi^2.	1965-70‡, 1971-2002	04-04-00 d03-02-01 12-14-01	d14.26 d15.01 14.05	d1,010 d1.960 830	03-03-79	17.20	7,200
Tallahoma Creek tributary at Lake Como, MS (02473850)	Lat 31°57′43″, long 89°12′19″, on line betgween SE1/4 sec. 31, T.2 N., and NE1/4 sec. 6, T.1 N., R.11 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170005, at culvert on State Highway 528, 0.5 mi east of Lake Como. Drainage area is 3.21 mi^2.	1966-2002	12-13-01	7.80	1,000	07-13-93	11.49	2,380
Buck Creek near Runnelstown, MS (02474650)	Lat 31°21′49″, long 89°03′07″, in SW1/4 SE1/4 sec. 25, T.5 N., R.11 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, at bridge on State Highway 42, 2.5 mi above mouth and 3.7 mi east of Runnelstown. Drainage area is 20.8 mi^2.	1951-2002	12-13-01	<9.14	<2,260	04-03-79	17.93	5,700
Thompson Creek at Richton, MS (02474800)	Lat 31°21′22″, long 88°55′28″, in NW/14 sec. 32, T.5 N., R.9 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, at downstream side of bridge on State Highway 42, 0.7 mi east of Richton. Drainage area is 183 mi ^{2}.	1998-2002	12-15-01	(b)	(†)	03-03-01	16.63	10,900
Waterfall Branch near McLain, MS (02475050)	Lat 31°07′08″, long 88°45′17″, in SW1/4 NE1/4 SE1/4 sec. 23, T.2 N., R.8 W., St. Stephens Meridian, Greene County, Hydrologic Unit 03170005, at culvert on State Highway 57, 4.2 mi east of McLain. Prior to Oct. 1, 1964, at datum 0.72 ft lower. Drainage area is 0.65 mi^2.	1955-2002	03-20-02	7.01	295	06-01-59	11.71	764
Souinlovey Creek near Baxter, MS (02477050)	Lat 32°13′10″, long 89°09′30″, in NE1/4 sec. 35, T.1 N., R.11 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170002, at culvert on State Highway 15, 2.6 mi north of Baxter. Drainage area is 1.14 mi^2.	1965-2002	d03-04-79 12-14-01	d10.36 6.15	d680 245	06-24-93	13.56	1,150
Shubuta Creek near Shubuta, MS (02477330)	Lat 31°53′07″, long 88°44′21″, in NW1/4 sec. 35, T.1 N., R.15 E., Choctaw Meridian, Clarke County, Hydrologic Unit 03170002, at county hightway, 1.5 mi northwest of Shubuta and 5.0 mi above mouth. Drainage are is 75.5 mi^2.	1963-2002	10-14-01	18.74	3,780	04-25-73	24.88	12,700
	TCHOUTACABOUFFA RIVER BASIN							
Tuxachanie Creek near Biloxi, MS (02480500)	Lat 30°30′35″, long 88°54′32″, in SE1/4 sec. 20, T.6 S., R.9 W., St. Stephens Meridian, Harrison County, Hdrologic 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‡, 1972-2002	09-26-02	20.84	9,600	09-29-98	26.06	20,300
Tchoutacabouffa River at D'Iberville, MS (02480599)	Lat 30°27′35″, long 88°53′53″, in SE1/4 sec. 5, T.7 S., R.9 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, at State Highway 67, 0.5 mi north of I-10, at D'Iberville. Drainage area is 217 mi^2.	1998-2002	09-26-02	11.86	24,000	09-29-98	16.56	48,000

Crest-stage partial-record stations--Continued

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum Date	Gage height (ft)	Dis-charge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Dis-charge (ft^3/s)
		BILOXI RIVER BASIN						
Saucier Creek near Saucier, MS (02481045)	Lat 30°36′13″, long 89°05′39″, in SW1/4 sec. 16, T.5 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, at bridge on county road, 3.2 mi southeast of Saucier. Drainage area is 36.9 mi^2.	1998-2002	09-26-02	26.56	7,700	09-29-98	28.90	f16,000
Biloxi River near Lyman, MS (02481130)	Lat 30°29′17″, long 89°01′59″, in SE1/4 SE1/4 sec. 25, T.6 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on downstream side of right pier of bridge on county highway, 1.2 mi downstream from Little Biloxi River, 4.6 mi east of Lyman. Drainage area is 251 mi^2.	1965-2002	09-26-02	20.33	20,800	05-10-95	23.95	36,800
		WOLF RIVER BASIN						
Wolf River near Poplarville, MS (02481400)	Lat 30°50′50″, long 89°28′11″, in NW1/4 sec. 26, T.2 S., R.15 W., St. Stephens Meridian, Pearl River County, Hydrologic Unit 03170009, at bridge on State Highway 26, 3.6 mi east of Poplarville. Drainage area is 72.6 mi^2.	1952-71, 1998-2002	09-26-02	29.93	6,050	12-10-61	32.87	12,800
		JOURDAN RIVER BASIN						
Catahoula Creek near Picayune, MS (02481542)	Lat 30°31′00″, long 89°32′10″, in line between secs. 18 and 19, T.6 S., R.15 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03170009, at bridge on State Highway 43, 8.8 mi east of Picayune. Drainage area is 32.1 mi^2.	1998-2002	01-07-98 03-14-99 09-26-02	d16.55 12.02 16.40	d3,520 d 807 3,300	03-03-01	17.02	4,590
Hickory Creek near Kiln, MS (02481550)	Lat 30°30′22″, long 89°29′14″, in SE1/4 sec. 21, T.6 S., R. 15 W., St Stephens Meridian, Hancock County, Hydrologic Unit 03170009, at bridge on State Highway 43, 8 mi north of Kiln, Drainage area is 60.9 mi^2.	1998-2002	09-26-02	22.67	8,920	01-07-98	23.25	13,200
		PEARL RIVER BASIN						
Lobutcha Creek at Renfroe, MS (02482470)	Lat 32°51′45″, long 89°26′30″, in SE1/4 sec. 26, T.12 N., R.8 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, at bridge on State Highway 25, 0.5 mi east of Renfroe. Drainage area is 248 mi^2.	1999-2002	09-27-02	22.24	10,400	04-05-01	25.14	18,600
Yockanookany River tributary near McCool, MS (02483890)	Lat 33°10′06″, long 89°25′29″, in SW1/4 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.	1965-2002	12-14-01	3.13	64	02-20-91	7.73	540
Coffee Bogue at Ludlow, MS (02484600)	Lat 32°34′24″. long 89°43′48″, in NE1/4 sec. 1, T.8 N., R.5 E., Choctaw Meridian, Scott County, Hydrologic Unit 03180002, at bridge on county road, 1.0 mi west of Ludlow. Drainage area is 77.0 mi^2.	1975-2002	09-27-02	12.43	2,050	07-04-89	15.93	9,550
Red Cane Creek tributary near Pisgah, MS (02484750)	Lat 32°28′03″, long 89°47′55″, on line between NE1/4 sec. 8 and NW1/4 sec. 9, Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at circular culvert on Highway 43, 4.1 mi east of Pisgah. Drainage area is 0.10 mi^2.	1965-2002	05-30-86 06-13-87 04-01-88 05-18-89 02-12-90 04-29-91 08-27-92 07-14-93 11-14-93 04-21-95 12-13-01	d4.11 d5.73 d4.42 d4.39 d5.63 d5.16 d4.76 d7.81 d5.17 d5.97 4.87	d33 d85 d42 d40 d81 d64 d51 d155 d64 d92 53	07-14-93	d7.81	d155
Fannegusha Creek near Sand Hill, MS (02484760)	Lat 32°30′21″, long 89°48′46″, in SW1/4 sec. 29, T.8 N., R.5 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at bridge on county road, 3.9 mi east of Sand Hill. Drainage area is 52.3 mi^2.	1971-2002	11-29-01	10.68	2,060	04-12-80	13.35	9,000

Crest-stage partial-record stations--Continued

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum Date	Gage height (ft)	Dis-charge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Dis-charge (ft^3/s)
PEARL RIVER BASIN--Continued								
Purple Creek at Jackson, MS (02485650)	Lat 32°22′44″, long 90°07′16″, in NW 1/4 sec. 8, T.6 N., R.2 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at old Canton Road bridge in Jackson and 1.5 mi above mouth. Drainage area is 6.12 mi^2.	1952-2002	08-16-02	9.15	938	04-29-53	99.92	2,890
Three Mile Creek at Jackson, MS (02486115)	Lat 32°16′22″, long 90°13′00″, in NW1/4 SE1/4 sec. 17, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at old U.S. Highway 51 (Terry Road), 0.6 mi above Illinois Central Railroad. Drainage area is 1.05 mi^2.	1962-2002	08-16-02	8.27	513	08-30-74	31.52	1,720
Strong River near Puckett, MS (02487300)	Lat 32°03′49″, long 89°44′49″, in SE1/4 SE1/4 sec. 26, T.3 N., R.4 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at State Highway 18, 2.0 mi southeast of Puckett. Drainage area is 248 mi^2.	1955-2002	04-10-02	18.75	3,200	04-07-83	26.47	18,600
Dabbs Creek near Johns, MS (02487512)	Lat 32°09′24″, long 89°53′23″, NE1/4 SE1/4 sec. 28, T.4 N., R.4 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at bridge on State Highway 18, 3.5 mi northwest of Johns. Drainage area is 7.33 mi^2.	1998-2002	04-09-02	23.41	396	01-30-99	25.28	600
Copiah Creek near Hazlehurst, MS (02487900)	Lat 31°53′27″, long 90°17′07″, in SW1/4 SE1/4 sec. 27, T.1 N., R.1 W., Choctaw Meridian, Copiah County, Hydrologic Unit 03180003, at bridge on State Highway 28, 6.2 mi east of Hazlehurst. Drainage area is 47.4 mi^2.	1948-65, 1966-68‡, 1969-2002	09-26-02	13.03	5,960	04-12-80	25.11	32,000
Silver Creek at Silver Creek, MS (2488600)	Lat 31°36′17″, long 89°59′31″, in NE1/4 sec. 3, T.7 N., R. 20 W., St Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, at bridge on U.S. Highway 84, 0.3 mi east of Silver Creek. Drainage area is 123 mi^2.	1998-2002	04-09-02	12.71	1,460	03-02-01	16.23	11,900
Elmers Draw near Columbia, MS, (02489030)	Lat 31°12′00″, long 89°57′57″, in SE1/4 NW1/4 sec. 26, T.3 N., R.12 E., Washington Meridian, Marion County, Hydrologic Unit 03180004, at U.S. Highway 98, 5.7 mi west of Columbia. Prior to Oct. 1, 1964, at datum 1.12 ft higher. Drainage area is 0.91 mi^2.	1955-2002	03-04-01 05-30-02	6.85 5.08	d400 253	04-06-83	16.22	1,620
MISSISSIPPI RIVER BASIN								
Wolf River near Springhill, MS (07030370)	Lat 34°56′48″, long 89°11′39″, in NE1/4 sec. 4, T.2 S., R.1 E., Chickasaw Meridian, Benton County, Hydrologic Unit 08010210, at bridge on U.S. Highway 72, 0.8 mi east of Scenic Route 5. Drainage area is 104 mi^2.	1999-2002	11-29-01	15.00	13,300	11-29-01	15.00	13,300

Crest-stage partial-record stations--Continued

Maximum discharge at crest-stage partial-record stations --Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum Date	Gage height (ft)	Dis-charge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Dis-charge (ft^3/s)
					YAZOO RIVER BASIN			
Hell Creek near New Albany, MS (07267000)	Lat 34°31′06″, long 89°02′49″, in SW1/4 sec. 36, T.6 S., R.2 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, at bridge on U.S. Highway 78, 3.0 mi north-west of New Albany, and 4.5 mi above mouth. Drainage area is 27.3 mi^2.	1939-42‡, 1952-2002	12-26-82	13.50	d5,210	11-29-01	15.08	6,240
			12-04-83	12.39	d4,530			
			08-17-85	8.82	d2,680			
			03-19-86	7.55	d2,140			
			11-09-86	10.71	d3,600			
			09-29-88	11.09	d3,810			
			01-12-89	12.33	d4,490			
			02-04-90	<6.47	d<1,720			
			02-20-91	12.91	d4,840			
			03-09-92	12.83	d4,790			
			08-06-93	8.78	d2,670			
			12-04-93	12.68	d4,700			
			03-05-95	10.57	d3,530			
			04-22-96	8.79	d2,670			
			06-17-97	11.28	d3,910			
			04-28-98	11.85	d4,220			
			03-14-99	9.48	d2,990			
			04-03-00	<6.45	d<1,710			
			11-29-01	15.08	6,240			
Cypress Creek near Etta, MS (07268500)	Lat 34°26′32″, long 89°17′15″, in SE1/4 sec. 27, T.7 S., R.1 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030201, at bridge on State Highway 30, 4.5 mi south-west of Etta, and 5.0 mi above mouth. Prior to Oct. 1, 1964, at datum 10.00 ft higher. Drainage area is 28.5 mi^2.	1939-42‡, 1952-2002	11-28-68	19.16	d4,160	05-19-83	19.94	f5,000
			05-11-70	18.78	d3,840			
			00-00-71	-----	d<1,500			
			04-29-72	11.89	d1,380			
			03-15-73	16.33	d2,720			
			00-00-74	-----	d<1,500			
			03-13-75	15.13	d2,310			
			05-14-76	12.00	d1,400			
			04-12-79	17.19	d3,040			
			03-17-80	17.29	d3,080			
			05-19-83	19.94	d5,000f			
			05-08-84	17.01	d2,970			
			02-24-85	-----	d<1,500			
			06-07-86	-----	d<1,500			
			11-09-86	19.28	d4,300			
			09-17-88	17.68	d3,230			
			10-01-88	<12.28	d<1,470			
			02-04-90	<19.14	d<4,150			
			02-20-91	<19.14	d<4,150			
			12-02-91	<19.14	d<4,150			
			04-09-93	<19.14	d<4,150			
			06-10-94	8.02	d589			
			03-05-95	13.07	d1,690			
			04-22-96	12.42	d1,510			
			06-17-97	14.08	d1,980			
			04-28-98	13.12	d1,700			
			03-14-99	12.15	d1,440			
			04-02-00	<7.70	d<540			
			05-04-02	18.11	3,430			
North Tippah Creek near Ripley, MS (07269000)	Lat 34°44′00″, long 89°01′24″, in SW1/4 sec. 18, T.4 S., R.3 E., Chickasaw Meridian, Tippah County, Hydrologic Unit 08030201, at bridge on State Highway 4. 2.0 mi upstream from Tippah Creek, and 5.5 mi west of Ripley. Drainage area is 20.0 mi^2.	1939-42‡, 1952-85, 1988-2002	02-16-01	13.87	d2,130	04-12-79	21.60	(†)
			11-30-01	20.82	5,630			
Hotopha Creek nr Batesville, MS (07273100)	Lat 34°21′51″, long 89°52′33″, in NW1/4 NW1/4 sec. 30, T.8 S., R.6 W., Chickasaw Meridian,, Panola County, Hydrologic Unit 08030201, on State Highway 35, 4.4 mi northeast of Batesville. Drainage area is 35.1 mi^2.	1986-2001‡, 2002	11-29-01	15.60	7,240	02-19-91	16.83	10,400
Town Creek at Water Valley, MS (7274251)	Lat 34°08′52″, long 89°37′51″, in NE1/4 NE1/4 sec. 8, T.11 S., R.4 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, on State Highway 7 in Water Valley. Drainage area is 3.97 mi^2.	1985-2001‡, 2002	11-30-01	11.29	1,840	11-30-01	11.29	1,840
Otoucalofa Creek Canal nr Water Valley, MS (07274252)	Lat 34°08′04″, long 89°38′59″, in SE1/4 NE1/4 sec. 7, T.11 S., R.4 W., Chickasaw Meridan, Yalobusha County, Hydrologic Unit 08030203, on State Highway 7 bypass, 1.0 mi west of Water Valley. Drainage area is 97.1 mi^2.	1985-2001‡, 2002	11-29-01	17.26	11,200	02-19-91	18.23	17,700
						05-01-91	20.10	(†)
Long Creek at Courtland, MS (07275500)	Lat 34°13′42″, long 89°56′12″, near center of sec. 9, T.10 S., R.7 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030203, at bridge on U.S. Highway 51, 1.0 mi south of Courtland, 5.5 mi above mouth, and 6.0 mi south of Baatesville. Drainage area is 66.2 mi^2.	1940-43‡, 1952-2002	11-29-01	23.85	21,800	05-28-54	25.02	38,300
Peters (Long) Creek nr Pope, MS (07275530)	Lat 34°12′51″, long 89°58′45″, in NW1/4SW1/4 sec. 18, T.10 S., R.7 N., Chickasaw Meridian, Panola County, Hydrologic Unit 08030203, on county road 1.5 mi west of Pope. Drainage area is 79.2 mi^2.	1986-2001‡, 2002	11-29-01	19.30	14,400	02-03-90	19.86	26,500
						02-19-91	21.13	25,600

Crest-stage partial-record stations--Continued

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum Date	Gage height (ft)	Discharge (ft^3/s) L	Period of record maximum Date	Gage height (ft)	Discharge (ft^3/s)
				YAZOO RIVER BASIN--Continued				
Senatobia Creek nr Senatobia, MS (07277730)	Lat 34°37′01″, long 89°56′19″, in NW1/4SW1/4 sec. 28, T.5 S., R.7 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, on State Highway 4, 0.5 mi east of Senatobia. Drainage area is 62.8 mi^2.	1942-1973, 1974-1985c, 1986-2001‡, 2002	11-29-01	18.33	(†)	06-05-86 09-24-97	19.55 16.94	12,100 12,700
Cane Creek at Vardaman, MS (07281965)	Lat 33°52′31″, long 89°11′27″, in NE1/4 SE1/4 sec. 9, T.14 N., R.1 E., Chickasaw Meridian, Calhoun County, Hydrologic Unit 08030205, at bridge on State Highway 8, 0.8 mi west of Vardaman. Drainage area is 25.1 mi^2.	1999-2002	01-23-99 11-29-01	27.57 25.11	d7,200 4,120	01-23-99	27.57	d7,200
Long Creek near Cascilla, MS (07285700)	Lat 33°51′41″, long 89°59′09″, in SW1/4 SW1/4 NE1/4 sec. 16, T.23 N.,R.3 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030205, at culvert on county highway, 1.1 mi east of Cascilla. Drainage area is 1.64 mi^2.	1965-2002	01-25-02	11.10	1,400	05-08-84	12.70	1,860
Fannegusha Creek near Tchula, MS (07287350)	Lat 33°10′04″, long 90°10′10″, in NE1/4 NW1/4 sec. 14, T.15 N., R.1 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206,on State Highway 12, east of Tchula. Drainage area is 103 mi^2.	1953-65e, 1968-2002	12-14-01	22.90	11,600	04-05-01	25.13	32,000
Harland Creek nr Howard, MS (07287404)	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 county road 1.8 mi southeast of Howard. Drainage area is 62.1 mi^2.	1986-2000‡, 2001g, 2002	12-14-01	(b)	(†)	03-18-87 01-18-95	21.36 22.95	7,440 6,420
Black Creek at Howard, MS (07287405)	Lat 33°07′11″, long90°11′28″, in SW1/4NW1/4 se. 27, T.15 N., R.1 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on county road 0.2 mi south of Howard. Drainage area is 178 mi^2.	1999-2000‡, 2001g, 2002	12-14-01	17.62	13,500	04-05-01	18.31	15,600
Piney Creek near Benton, MS (07287474)	Lat 32°50′57″, long 90°14′10″, in NW1/4 sec. 31, T.12 N., R.1 E., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030206, at bridge on State Highway 433, 2.1 mi northeast of Benton. Drainage area is 12.9 mi^2.	1999-2002	12-13-01	9.15	2,990	04-03-00	11.30	4,440
				BIG BLACK RIVER BASIN				
Hays Creek tributary No 1 near Vaiden, MS (07289265)	Lat 33°23′16″, long 89°45′40″, in SE1/4 SE1/4 SW1/4 sec. 27, T.18 N., R.5 E., Choctaw Meridian, Carroll County, Hydrologic Unit 08060201, at bridge on U.S. Highway 51, 3.9 mi north of Vaiden. Drainage area is 14.0 mi^2.	1960-74, 1976-2002	12-14-01	25.26	3,160	12-03-83	26.67	3,830
Long Creek at Sallis, MS (07289450)	Lat 33°00′56″, long 89°45′55″, in NE1/4 sec. 3, T.13 N., R.5 E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, at bridge on State Highway 429, 0.3 mi south of Sallis. Drainage area is 42.1 mi^2.	1999-2002	12-13-01	21.38	2,390	04-05-01	25.14	14,100
Big Cypress Creek near Pickens, MS (07289504)	Lat 32°52′45″, long 90°03′32″, in SE1/4 sec. 14, T.12 N., R.2 E., Choctaw Meridian, Yazoo County, Hydrologic Unit 08060202, at bridge on state Highway 432, 5 mi west of Pickens. Drainage area is 58.4 mi^2.	1999-2002	11-28-01	17.40	4,920	05-08-00	17.73	5,460
Tilda Bogue near Canton, MS (07289600)	Lat 32°39′18″, long 90°00′53″, in SW1/4 sec. 5, T.9 N., R.3 E., Choctaw Meridian, Madison County, Hydrologic Unit 08060202, at bridge on U.S. Highway 51, 3.0 mi north of Canton, and 3.5 mi above mouth. Drainage are is 24.4 mi^2.	1948-2002	12-18-95 11-29-01	17.71 18.60	d1,770 3,850	04-29-53	19.00	8,800

Crest-stage partial-record stations--Continued

Maximum discharge at crest-stage partial-record stations --Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum Date	Gage height (ft)	Discharge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Discharge (ft^3/s)
	BIG BLACK RIVER BASIN--Continued							
Walesheba Creek near Bentonia, MS (07289690)	Lat 32°41′06″, long 90°18′19″, in NW1/4 sec. 28, T.10 N., 1 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08060202, at bridge on State Highway 433, 2.8 mi southwest of Myrleville, and 5.6 mi east of Bentonia. Drainage are is 36.4 mi^2.	1966, 1998-2002	01-29-99 09-27-02	19.57 19.49	d2,450 2,370	02-10-66	22.42	f10,500
Clear Creek near Bovina, MS (07290005)	Lat 32°21′45″, long 90°43′40″, in SW1/4 sec. 17, T.16 N., R.5 E., Washington Meridian, Warren County, Hydrologic Unit 08060202, on county road, 1.0 mi northeast of Bovina. Dainage area is 32.0 mi^2.	1953-2002	09-27-02	21.21	3,680	04-13-69	30.03	21,000
	BAYOU PIERRE BASIN							
Bayou Pierre near Glancy, MS (07290250)	Lat 31°49′40″, long 90°28′53″, in NE1/4 sec. 22, T.10 N., R. 7 E., Washington Meridian, Copiah County, Hydrologic Unit 08060203, at bridge on State Highway 28, 1.2 mi northeast of Glancy. Drainage area is 122 mi^2.	1998-2002	09-26-02	17.43	8,300	03-02-01	18.88	18,100
Tallahalla Creek at Utica, MS (07290549.95)	Lat 32°01′04″, long 90°52′37″, in SW1/4 sec. 22, T.3 N., R. 4 W., Choctaw Meridian, Hinds County, Hydrologic Unit 08060203, at bridge on State Highway 27, 2.5 mi southeast of Utica. Drainage area is 72.0 mi^2.	1998-2002	09-26-02	22.64	8,520	09-26-02	22.64	8,520
Clarks Creek near Pattison, MS (07290690)	Lat 31°53′36″, long 90°50′31″, in irregular sec. 35, T.11 N., R.4 E., Washington Meridian, Claiborne County, Hydrologic Unit 08060203, at bridge on county highway, 1.3 mi above mouth, and 2.5 mi east of Pattison. Drainage area is 75.0 mi^2.	1961-62‡, 1963-2002	09-26-02	20.90	11,500	04-12-80	27.90	31,000
	COLES CREEK BASIN							
Little Creek near Fayette, MS (07290830)	Lat 31°40′30″, long 91°04′10″, in irregular sec. 24, T.8 N., R.1 E., Washington Meridian, Jefferson County, Hydrologic Unit 08060204, at culvert on State Highway 33, 2.0 mi south of Fayette. Drainage area is 1.71 mi^2.	1967-2002	09-26-02	9.15	600	04-12-74	15.45	1,800
North Fork Coles Creek near Church Hill, MS (07290855)	Lat 31°46′45″, long 91°10′00″ in SW1/4 SE1/4 sec. 4, T.9 N., R.1 W., Washington Meridian, Jefferson County, Hydrologic Unit 08060204, at bridge on county road, 1.7 mi upstream of mouth and 0.6 mi northwest of Natchez Trace Parkway. Drainage area is 115 mi^2.	1999-2002	11-28-01	35.67	10,600	03-02-01	39.62	15,700
South Fork Coles Creek near Church Hill, MS (07290860)	Lat 31°44′53″, long 91°10′44″ in NE1/4 NW1/4 sec. 32, T.9 N., R.1 W., Washington Meridian, Jefferson County, Hydrologic Unit 08060204, at bridge on State Highway 553, 2.5 mi upstream of mouth and 0.3 mi west of Natchez Trace Parkway. Drainage area is 108 mi^2.	1999-2002	11-28-01	23.68	9,340	03-02-01	29.05	22,500
	HOMOCHITTO RIVER BASIN							
McCall Creek near Lucien, MS (07291250)	Lat 31°30′54″, long 90°38′53″, in SW1/4 sec. 6, T.6 N., R.6 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, at U.S. Highway 84, 0.8 mi east of Lucien. Drainage area is 60.8 mi^2.	1953, 1955-2002	09-26-02	83.60	12,100	04-13-74	92.70	23,000

Crest-stage partial-record stations--Continued

Maximum discharge at crest-stage partial-record stations--Continued

Station name and number	Location and drainage area	Period of record	Water year 2002 maximum Date	Gage height (ft)	Dis-charge (ft^3/s)	Period of record maximum Date	Gage height (ft)	Dis-charge (ft^3/s)
	THOMPSON CREEK BASIN							
Moores Branch near Woodville, MS (07373550)	Lat 31°05′15″, long 91°14′31″, in SE1/4 SW1/4 sec. 32, T.2 N., R.1 W., Washington Meridian, Wilkinson County, Hydrologic Unit 08070201, at State Highway 24, 3.3 mi east of Woodville. Prior to Oct. 1, 1964, at datum 0.88 ft lower. Drainage area is 0.21 mi^2.	1955-2002	03-26-02	7.43	370	03-24-73	9.90	455
	MISSISSIPPI RIVER DELTA BASIN							
East Fork Amite River near Peoria, MS (07376680)	Lat 31°05′55″, long 90°43′10″, in NE1/4 sec. 32, T.2 N., R.5 E., Washington Meridian, Amite County, Hydrologic Unit 08070202, at bridge on State Highway 584, 6.7 mi southeast of Liberty and about 5 mi south of Peoria. Drainage area is 179 mi^2.	1990, 1998-2002	09-26-02	18.12	15,700	01-25-90	a21.10	f34,000

† Discharge not determined.
‡ Operated as a continuous-record gaging station.
a Approximately.
b High-water mark was not determined.
c Gage heights and discharge measurements in files of Corps of Engineers.
d Revised.
e Published at site near Howard, 3 mi downstream.
f Estimated.
g Operated as a flood-hydrograph station.

Short-term water-quality studies were conducted on selected stream reaches to collect water-quality data for use in hydrologic analyses.

DELTA PILOT WATER-QUALITY SYNOPTIC STUDY

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

341640090055100 UNNAMED TRIBUTARY TALLAHATCHIE RIVER NEAR LOCKE STATION, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
FEB												
05...	1620	--	20.0	210	776	8.5	6.3	117	8.0	7.2	2.9	.07
JUL												
16...	1400	--	15.0	18	771	8.8	6.5	107	30.6	6.5	1.5	.31

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
FEB				
05...	.04	1.00	10.0	2
JUL				
16...	<.01	.15	120	1

344529090115500 UNNAMED TRIBUTARY COLDWATER RIVER NEAR PRICHARD, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
JAN												
31...	0930	--	6.00	470	766	8.6	7.1	107	19.0	.9	2.1	<.02
JUL												
15...	1130	--	27.0	5.0	771	8.7	7.5	330	26.5	1.9	.50	<.02

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
JAN				
31...	--	.39	<.1	1
JUL				
15...	.02	.07	<.1	2

Remark codes:
< -- Less than

DELTA PILOT WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

344402090230100 UNNAMED TRIBUTARY WHITE OAK BAYOU NEAR TUNICA, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
JAN												
31...	1350	--	--	470	763	7.8	7.3	135	21.5	1.2	2.3	.07

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
JAN				
31...	--	.46	4.6	1

342815090195500 UNNAMED TRIBUTARY TWELVEMILE BAYOU NEAR TIBBS, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
FEB												
01...	0915	--	--	610	775	5.3	--	35	8.0	1.1	2.4	.07
JUL												
16...	1030	--	19.0	19	773	1.5	6.4	170	24.8	1.9	2.2	1.30

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
FEB				
01...	.02	.42	<.1	2
JUL				
16...	.04	.12	<.1	1

342510090183500 UNNAMED TRIBUTARY WHITE OAK BAYOU NEAR SLEDGE, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
FEB												
05...	1205	--	5.00	370	778	7.0	6.6	85	8.0	3.0	1.5	.32
JUL												
16...	1200	--	7.00	130	--	4.0	6.0	59	29.3	.7	1.2	.10

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
FEB				
05...	.05	.42	<.1	2
JUL				
16...	.07	.19	<.1	2

Remark codes:
< -- Less than

DELTA PILOT WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

342630090142600 YELLOW LAKE BAYOU AT SLEDGE, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
MAR												
05...	1115	--	4.00	240	772	8.9	6.4	87	5.0	2.2	1.3	.28
JUL												
16...	0930	--	12.0	38	772	2.9	6.7	169	27.5	2.7	.80	.14

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
MAR				
05...	.02	.28	<.1	0
JUL				
16...	.08	.20	<.1	1

340657090080900 UNNAMED TRIBUTARY TALLAHATCHIE RIVER NEAR CROWDER, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
APR												
10...	1045	--	29.0	17	765	4.9	6.9	155	17.1	2.2	.80	<.02
JUL												
16...	1530	--	6.00	140	773	4.3	6.6	132	33.1	6.2	1.3	.19

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
APR				
10...	.03	.20	<.1	0
JUL				
16...	.06	.36	<.1	1

Remark codes:
< -- Less than

DELTA PILOT WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

340203090073000 PANOLA QUITMAN FLOODWAY NEAR CHARLESTON, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
APR												
10...	0930	--	--	75	765	9.9	6.7	45	13.8	2.1	.60	.22
AUG												
13...	1000	--	13.0	63	770	7.2	6.3	57	26.2	2.2	.70	.05

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
APR				
10...	<.01	.08	<.1	0
AUG				
13...	.01	.08	<.1	1

340120090113300 TALLAHATCHIE RIVER NEAR CHARLESTON, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
APR												
10...	1245	--	8.00	150	765	7.9	6.7	61	15.9	2.1	.80	.33
AUG												
13...	1200	--	--	48	--	--	--	--	--	3.5	.70	.11

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
APR				
10...	.04	.24	<.1	0
AUG				
13...	.03	.12	<.1	1

Remark codes:
< -- Less than

DELTA PILOT WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

335946090121100 TALLAHATCHIE RIVER NEAR WEBB, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
APR												
10...	0830	--	6.00	80	765	8.7	6.7	46	14.9	1.9	.70	.24
AUG												
12...	1530	--	13.0	60	771	7.3	6.9	69	27.5	2.5	.50	.07

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
APR				
10...	.02	.15	<.1	1
AUG				
12...	<.01	.10	<.1	2

340030090155300 OPPOSUM BAYOU NEAR BRAZIL, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
APR												
11...	1115	--	7.00	170	771	5.2	6.0	42	17.4	1.0	1.2	.15

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
APR				
11...	E.10	.39	<.1	1

335919090133600 OPPOSUM BAYOU NEAR WEEB, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
AUG												
12...	1330	--	14.0	34	771	6.9	6.5	69	27.5	2.5	.60	.08

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
AUG				
12...	<.01	.07	<.1	2

Remark codes:
< -- Less than
E -- Estimated value

DELTA PILOT WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

07280900 CASSIDY BAYOU AT WEBB, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
APR												
10...	0730	15.94	3.00	510	775	6.8	6.2	46	15.9	1.5	1.4	.41
AUG												
13...	1430	6.34	8.00	200	769	10.1	8.2	149	31.8	3.0	1.5	<.02

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
APR				
10...	.11	.53	<.1	1
AUG				
13...	.06	.34	56.0	1

334251090181900 UNNAMED TRIBUTARY TALLAHATCHIE RIVER NEAR MINTER CITY, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
FEB												
20...	0900	--	--	88	760	7.6	6.3	26	14.0	.8	.90	.11
JUL												
17...	1230	--	15.0	24	776	5.8	7.7	385	31.3	4.7	.90	<.02

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
FEB				
20...	.32	.40	<.1	0
JUL				
17...	.14	.13	150	1

07281610 TALLAHATCHIE RIVER ABOVE PEMBERTON CUTOFF NEAR GREENWOOD, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
AUG												
14...	1600	22.01	9.00	120	769	6.6	6.8	70	27.9	2.5	.80	.12

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
AUG				
14...	.02	.17	<.1	2

Remark codes:
< -- Less than

DELTA PILOT WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

07285730 YALOBUSHA RIVER NEAR HOLCOMB, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
APR												
11...	1015	19.49	8.00	65	771	9.5	6.1	56	16.0	3.4	.60	.17

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
APR				
11...	<.01	.11	<.1	1

334303090060100 YALOBUSHA RIVER NEAR LEFLORE, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
AUG												
14...	1130	17.94	17.0	54	769	7.5	6.2	72	27.2	4.4	.60	.08

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
AUG				
14...	.01	.11	<.1	2

335200090094500 SOUTH LAKE BAYOU NEAR TIPPO, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
APR												
10...	1415	--	7.00	87	765	7.8	6.2	52	17.3	1.8	.60	.19
JUL												
17...	0800	--	22.0	11	773	1.4	6.5	150	25.2	2.9	1.6	<.02

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
APR				
10...	.02	.16	<.1	0
JUL				
17...	.01	.13	110	2

Remark codes:
< -- Less than

DELTA PILOT WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

07286200 YALOBUSHA RIVER AT WHALEY, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
APR												
11...	0915	--	11.0	66	771	8.0	6.1	54	17.0	2.6	.60	.14
AUG												
14...	1330	--	12.0	60	771	7.2	6.3	73	28.2	4.3	.80	.10

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
APR				
11...	E.01	.15	<.1	1
AUG				
14...	.01	.12	<.1	2

07287000 YAZOO RIVER AT GREENWOOD, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
APR												
11...	0800	30.55	7.00	110	771	7.7	5.9	54	6.8	2.3	.60	.19

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
APR				
11...	E.03	.19	<.1	1

332749090103400 -- PELUCIA CREEK NEAR RISING SUN, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
FEB												
19...	1430	--	21.0	30	760	9.0	7.5	65	16.0	3.1	.40	.12
JUL												
17...	1500	--	--	12	774	7.8	8.2	73	36.2	3.7	<.20	.03

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
FEB				
19...	<.01	.05	<.1	62
JUL				
17...	.02	.14	<.1	1

Remark codes:
< -- Less than
E -- Estimated value

DELTA PILOT WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

07287500 YAZOO RIVER AT YAZOO CITY, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
APR												
16...	0900	30.61	6.00	100	764	7.2	5.8	59	19.9	2.2	.70	.22
AUG												
28...	1200	--	6.00	160	772	6.3	6.6	77	28.5	3.4	.50	.33

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
APR				
16...	.03	.18	<.1	1
AUG				
28...	.15	.27	<.1	0

07288010 BIG SUNFLOWER RIVER AT HOPSON SPUR, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
FEB												
13...	1130	--	--	120	766	7.5	7.0	210	10.0	16.0	1.8	.35
JUL												
23...	1000	--	14.0	39	772	2.2	7.1	516	27.5	40.0	6.7	.29

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
FEB				
13...	.11	.36	<.1	0
JUL				
23...	.35	.47	<.1	2

Remark codes:
< -- Less than

DELTA PILOT WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

335915090423900 HUSHPUCKENA RIVER NEAR HUSHPUCKENA, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
FEB												
13...	1415	--	5.00	170	771	9.4	7.1	89	10.5	1.4	.90	.27
JUL												
23...	1130	--	11.0	100	774	5.4	7.3	378	28.7	2.8	1.6	.36

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
FEB				
13...	E.08	.41	<.1	0
JUL				
23...	.10	.16	<.1	1

335250090454700 UNNAMED TRIBUTARY JONES BAYOU NEAR MOUND BAYOU, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
MAR												
05...	1430	--	3.00	290	772	13.4	9.1	204	12.5	23.0	2.8	<.02
JUL												
23...	1400	--	12.0	40	774	15.0	8.1	629	32.5	27.0	3.2	.82

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
MAR				
05...	.03	.47	130	0
JUL				
23...	.03	.16	99.0	1

Remark codes:
< -- Less than
E -- Estimated value

DELTA PILOT WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

334402090395400 UNNAMED TRIBUTARY DARR BAYOU NEAR CLEVELAND, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
FEB												
12...	1600	--	7.00	83	767	10.9	5.7	91	10.5	1.3	1.1	<.02
JUL												
24...	0740	--	11.0	60	772	3.7	6.8	388	25.4	9.3	1.0	.96

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
FEB				
12...	<.01	.08	<.1	1
JUL				
24...	.08	.11	<.1	2

333940090370900 JONES BAYOU AT LINN, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
FEB												
26...	1100	--	11.0	72	770	9.0	6.5	84	11.0	2.1	1.0	.14
JUL												
24...	1030	--	13.0	19	773	3.5	7.2	435	26.6	11.0	.60	.62
AUG												
06...	1045	--	36.0	2.0	772	8.2	7.7	487	28.3	13.0	.40	<.02

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
FEB				
26...	.09	.28	<.1	1
JUL				
24...	.13	.15	<.1	1
AUG				
06...	.11	.12	<.1	0

Remark codes:
< -- Less than
> -- Greater than

DELTA PILOT WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

07288500 BIG SUNFLOWER RIVER AT SUNFLOWER, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
FEB												
27...	0930	3.86	4.00	380	772	8.5	6.7	116	9.5	5.3	1.5	.77
AUG												
06...	1150	4.15	6.00	110	771	5.4	7.5	279	31.1	6.1	.90	.56

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
FEB				
27...	.10	.38	<.1	0
AUG				
06...	.12	.24	<.1	1

07288530 BIG SUNFLOWER RIVER ABOVE QUIVER RIVER NEAR INDIANOLA, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
FEB												
28...	0945	12.64	4.00	350	772	9.1	7.0	111	9.0	5.0	1.4	.74

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
FEB				
28...	.05	.37	<.1	0

335737090270100 QUIVER RIVER NEAR ROME, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
FEB												
25...	0900	--	5.00	120	762	5.8	6.6	83	10.5	1.9	1.2	.36
JUL												
17...	1030	--	>39.0	3.0	775	4.5	7.3	293	27.4	2.1	1.1	.28

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
FEB				
25...	.09	.30	<.1	0
JUL				
17...	.11	.15	<.1	1

Remark codes:
< -- Less than
> -- Greater than

DELTA PILOT WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

335632090291000 BEAR BAYOU NEAR MINOT, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
FEB												
25...	1130	--	--	400	762	4.5	6.7	59	11.5	1.5	1.8	.24
JUL												
17...	0930	--	7.00	82	773	4.8	7.1	261	28.2	5.7	1.1	<.02

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
FEB				
25...	E.04	.46	59.0	0
JUL				
17...	.02	.06	<.1	1

334248090311000 QUIVER RIVER SOUTHEAST OF RULEVILLE, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
APR												
09...	1645	--	4.00	460	766	7.7	6.8	47	16.1	1.4	1.4	.41
JUL												
24...	0850	--	8.00	84	772	4.9	7.3	262	28.9	4.8	1.1	.35

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
APR				
09...	.09	.45	<.1	2
JUL				
24...	.06	.13	<.1	2

Remark codes:
< -- Less than
E -- Estimated value

DELTA PILOT WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

333600090281000 MCGREGORY BAYOU NEAR BLAINE, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
FEB												
12...	1215	--	4.00	160	769	11.5	6.3	714	11.5	85.0	15	.39
JUL												
24...	1140	--	6.00	230	775	5.9	7.1	465	26.5	34.0	3.8	4.70

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
FEB				
12...	<.01	.49	450	1
JUL				
24...	.27	.67	<.1	0

07288600 QUIVER RIVER NEAR MOORHEAD, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
APR												
09...	1745	--	2.00	690	766	7.4	6.9	63	15.9	3.0	1.8	.60
AUG												
07...	0800	--	9.00	63	769	6.1	7.7	418	30.4	15.0	1.0	.30

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
APR				
09...	.08	.47	<.1	1
AUG				
07...	.08	.21	32.0	2

07288610 BIG SUNFLOWER RIVER NEAR MOOREHEAD, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
AUG												
06...	1700	9.07	6.00	100	768	7.0	7.7	311	32.4	9.5	1.1	.54

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
AUG				
06...	.12	.25	21.0	1

Remark codes:
< -- Less than

DELTA PILOT WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

07288620 BIG SUNFLOWER RIVER AT BAIRD, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
MAR												
07...	1330	--	5.00	220	765	10.9	7.7	151	9.0	11.0	1.8	.35
AUG												
06...	1530	--	6.00	110	769	6.0	7.9	315	30.8	10.0	1.0	.52

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
MAR				
07...	.03	.39	49.0	1
AUG				
06...	.13	.26	<.1	0

07288621 BIG SUNFLOWER RIVER AT INDIANOLA, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
MAR												
07...	1000	--	6.00	190	765	10.7	7.5	102	8.5	6.2	1.2	.39
AUG												
06...	1430	--	6.00	100	774	6.0	7.5	313	31.4	9.6	.90	.56

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
MAR				
07...	.07	.38	<.1	62
AUG				
06...	.14	.26	<.1	0

Remark codes:
< -- Less than

DELTA PILOT WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

332501090405800 SHEPERDS BAYOU NEAR INDIANOLA, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
FEB												
15...	0900	--	6.00	130	770	4.9	6.7	67	7.0	1.6	1.1	.04
AUG												
06...	1330	--	11.0	10	771	4.8	7.3	503	28.4	24.0	.90	.92

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
FEB				
15...	.07	.45	<.1	2
AUG				
06...	.12	.17	<.1	--

07288624 BIG SUNFLOWER RIVER AT KINLOCK, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
MAR												
08...	1600	--	6.00	190	760	10.7	7.6	114	10.5	7.6	1.5	.35
AUG												
07...	1030	--	8.00	89	774	5.5	7.6	324	31.4	9.4	.90	.58

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
MAR				
08...	E.06	.41	<.1	--
AUG				
07...	.14	.25	<.1	1

Remark codes:
< -- Less than
E -- Estimated value

DELTA PILOT WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

334030090482200 EAST BOGUE HASTY NEAR SKENE, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
FEB												
25...	1530	--	5.00	160	763	9.4	8.3	104	16.5	1.6	1.5	<.02
JUL												
23...	1600	--	23.0	15	773	5.0	7.2	620	29.7	7.5	.60	.03

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
FEB				
25...	.03	.23	<.1	2
JUL				
23...	.07	.08	<.1	2

07288643 BOGUE PHALIA NEAR SHAW, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
FEB												
14...	1545	--	4.00	230	771	11.5	7.4	80	9.0	1.6	1.0	.45
JUL												
23...	1630	--	>39.0	37	772	7.7	7.4	461	31.4	5.4	1.0	.59

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
FEB				
14...	.07	.27	<.1	1
JUL				
23...	.07	.10	<.1	2

Remark codes:
< -- Less than
> -- Greater than

DELTA PILOT WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

331432090435300 BIG SUNFLOWER RIVER BELOW BOGUE PHALIA NEAR DARLOVE, MS

Date	Time	SAMPLING DEPTH (FEET) (00003)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	WEATHER (WMO CODE NUMBER) (00041)
MAR									
08...	1100	--	761	10.4	7.7	120	9.5	--	1
08...	1101	1.00	--	10.2	--	106	9.5	40.0	1
08...	1102	6.00	--	10.3	--	105	9.5	40.0	1
08...	1103	1.00	--	10.4	--	107	9.5	85.0	1
08...	1104	11.0	--	10.4	--	109	9.5	85.0	1
08...	1105	1.00	--	10.4	--	137	10.0	140	1
08...	1106	12.0	--	10.3	--	140	10.0	140	1
08...	1115	--	761	10.4	7.7	116	10.0	--	--
08...	1116	1.00	--	10.4	--	105	10.0	50.0	1
08...	1117	10.0	--	10.4	--	105	9.5	50.0	1
08...	1118	1.00	--	10.4	--	114	9.5	100	1
08...	1119	20.0	--	9.4	--	111	10.5	100	1
08...	1120	1.00	--	10.2	--	132	10.0	150	1
08...	1121	16.0	--	10.2	--	131	9.5	150	1
AUG									
07...	1115	--	771	5.5	7.7	340	31.5	--	0

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TURBIDITY FIELD WATER UNFLTRD (NTU) (61028)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	ORTHOPHOSPHATE, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)
MAR										
08...	1100	--	7.00	140	6.8	1.3	.40	E.07	.38	<.1
AUG										
07...	1115	--	6.00	96	9.3	.90	.55	.13	.25	<.1

330730090431300 MURPHY BAYOU AT MURPHY, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANSPARENCY (SECCHI DISK) (IN) (00077)	TURBIDITY FIELD WATER UNFLTRD (NTU) (61028)	BAROMETRIC PRESSURE (MM OF HG) (00025)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	CHLORIDE, DISSOLVED (MG/L AS CL) (00940)	NITROGEN,AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)
FEB												
28...	1500	--	>36.0	10	770	10.5	7.2	333	7.0	13.0	.80	<.02
AUG												
07...	1450	--	>24.0	19	770	7.7	7.5	524	29.2	20.0	2.0	<.02

Date	ORTHOPHOSPHATE, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTOPLANKTON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
FEB				
28...	.01	.09	<.1	0
AUG				
07...	.16	.31	64.0	0

Remark codes:
- < -- Less than
- > -- Greater than
- E -- Estimated value

DELTA PILOT WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

07288720 BIG SUNFLOWER RIVER AT HOLLY BLUFF, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
APR												
16...	1115	89.93	4.00	350	764	5.2	6.3	77	19.8	3.1	1.3	.61
AUG												
28...	1530	71.28	6.00	81	770	6.4	7.9	342	30.5	11.0	1.0	.20

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
APR				
16...	.10	.44	<.1	2
AUG				
28...	.03	.25	<.1	1

07288800 YAZOO RIVER AT REDWOOD, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
AUG												
27...	1000	55.98	7.00	220	--	5.6	5.5	102	29.2	3.8	.80	.21

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
AUG				
27...	.03	.36	<.1	--

322804090533900 STEELE BAYOU ABOVE LITTLE SUNFLOWER RIVER CONNECTING CHANNEL, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
APR												
16...	1315	89.10	7.00	200	764	5.7	7.1	82	21.9	2.8	1.1	.24
AUG												
27...	1500	--	13.0	39	765	11.2	8.1	503	32.8	18.0	.90	<.02

Date	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	WEATHER (WMO CODE NUMBER) (00041)
APR				
16...	.13	.35	<.1	2
AUG				
27...	.04	.13	46.0	0

Remark codes:
< -- Less than

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY

0728711610 UNKNOWN LAKE TRIBUTARY NO 1 NEAR SIDON, MS

LOCATION.--Lat 33°25'02", long 90°14'10", in SE¼ SW¼ sec.18, T.18 N., R.1 E., Choctaw Meridian, Leflore County, Hydrologic Unit 08030206, on tributary approximately 100 ft upstream of Unknown Lake (locally referred to as Deep Hollow Lake), approximately 0.3 mi southeast of Yazoo River levee at Sidon Cutoff, 1.5 mi west of Illinois Central Gulf Railroad, 0.7 mi north of Fish Lake, and 1.6 mi west-northwest of Sidon.

DRAINAGE AREA.--0.07 mi^2 (42.1 acres).

PERIOD OF RECORD.--Water years 1996 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 116.42 ft above NGVD of 1929. Automatic pumping water-quality and sediment samplers since April 1996.

REMARKS.--No estimated discharges. Discharge records fair. Discharges during summer months may be due to irrigation. Unpublished records of gage height and discharge during selected storm events are available in files of District office. Occasionally, records of gage height and discharge were not computed due to backwater or malfunction of the instruments.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge not determined due to berm failure, May 2, 1997, gage height 2.43 ft before structural failure, maximum gage height, 4.10 ft due to backwater from Yazoo River occurred sometime during the period Mar. 4-13, 1997; no flow for many days during each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 17.0 ft^3/s, May 26, Sept. 26, gage height, 2.39 ft; no flow for many days during year.

SELECTED RUNOFF EVENTS, 2002 WATER YEAR

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
10-11	1435	0.22	0.12	03-16	0145	0.13	0.05	05-26	1410	0.26	0.16
10-11	1445	.39	.34	03-16	0150	1.00	2.4	05-26	1415	1.04	2.6
10-11	1500	.58	.76	03-16	0155	1.17	3.4	05-26	1420	1.75	8.4
10-11	1515	.71	1.2	03-16	0200	1.78	8.8	05-26	1425	1.83	9.3
10-11	1530	.89	1.9	03-16	0205	1.91	10	05-26	1430	2.25	15
10-11	1545	1.07	2.8	03-16	0210	1.91	10	05-26	1435	2.30	16
10-11	1600	1.23	3.8	03-16	0215	2.00	12	05-26	1440	2.31	16
10-11	1615	1.34	4.6	03-16	0220	2.02	12	05-26	1445	2.38	17
10-11	1630	1.41	5.1	03-16	0225	2.00	12	05-26	1447	2.39	17
10-11	1645	1.44	5.4	03-16	0230	2.02	12	05-26	1450	2.38	17
10-11	1700	1.43	5.3	03-16	0235	2.01	12	05-26	1455	2.37	17
10-11	1715	1.39	5.0	03-16	0240	1.99	11	05-26	1500	2.35	17
10-11	1730	1.34	4.6	03-16	0245	1.97	11	05-26	1510	2.30	16
10-11	1745	1.27	4.1	03-16	0300	1.75	8.4	05-26	1520	2.26	15
10-11	1800	1.19	3.5	03-16	0315	.92	2.0	05-26	1530	2.20	14
10-11	1815	1.11	3.0	03-16	0330	.71	1.2	05-26	1545	2.15	14
10-11	1830	1.03	2.6	03-16	0345	.55	.68	05-26	1600	2.07	12
10-11	1845	.96	2.2	03-16	0400	.44	.43	05-26	1615	2.04	12
10-11	1900	.89	1.9	03-16	0415	.37	.31	05-26	1630	1.62	7.0
10-11	1915	.81	1.5	03-16	0445	.27	.17	05-26	1640	.51	.58
10-11	1930	.74	1.3	03-16	0500	.25	.15	05-26	1650	.26	.16
10-11	1945	.66	1.0					05-26	1700	.16	.07
10-11	2000	.58	.76								
10-11	2015	.51	.58								
10-11	2030	.44	.43								
10-11	2045	.38	.33								
10-11	2100	.34	.27								
10-11	2115	.30	.21								
10-11	2130	.27	.17								
10-11	2145	.24	.14								

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728711610 UNKNOWN LAKE TRIBUTARY NO 1 NEAR SIDON, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Ending time	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	AMINO-METHYL-PHOS-PHONIC ACID, WAT FLT (UG/L) (62649)	GLUFO-SINATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62721)	GLYPHO-SATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62722)
OCT 05-06	1822	0011	--	--	--	--	--	--	--	--	--	--
OCT 11-11	1437	2116	.14	E3.8	1.20	.130	.79	1.20	22.0	--	--	--
OCT 13-14	0850	0117	.13	E4.2	.24	<.010	.86	1.40	19.0	--	--	--
NOV 27-27	0300	1325	.04	E4.4	5.10	.090	.30	E1.20	10.0	.9	<.1	.3
NOV 28-28	1118	2215	.02	E4.8	.95	.020	.36	E1.70	8.7	.8	<.1	.5
DEC 12-12	1319	2156	.11	E2.9	.37	<.010	.26	E1.00	5.4	.7	<.1	2.0
JAN 22-23	1845	0055	.09	5.7	.58	<.010	.07	1.50	4.7	.5	<.1	<.1
JAN 24-24	0541	1133	.08	3.9	.23	<.010	.10	1.30	3.2	.5	<.1	.1
MAR 16-16	0147	0354	.29	14	.23	.010	.08	3.90	5.4	.6	<.1	.2
MAR 20-20	0526	1524	.06	4.9	.24	<.010	.07	1.40	7.1	.8	<.1	.2
MAY 26-26	1415	1634	.43	.70	.80	.020	.15	1.90	6.5	2.7	<.1	7.0
MAY 28-28	1514	1624	--	--	--	--	--	--	--	--	--	--
MAY 29-29	1915	2027	.43	12	.91	.020	.10	2.80	6.6	.9	<.1	1.3
JUN 10-10	2012	2055	--	--	--	--	--	--	--	--	--	--
JUN 12-12	1723	1928	--	--	--	--	--	--	--	--	--	--
JUN 14-14	0243	0315	--	--	--	--	--	--	--	--	--	--
JUL 05-05	1658	1736	--	--	--	--	--	--	--	--	--	--
JUL 21-21	1635	2038	--	--	--	--	--	--	--	--	--	--
JUL 23-23	0228	0239	--	--	--	--	--	--	--	--	--	--
JUL 31-31	1706	1919	--	--	--	--	--	--	--	--	--	--
SEP 26-26	0928	1144	<.01	2.0	.55	<.010	.44	.68	4.5	--	--	--

Remark codes:
< -- Less than
E -- Estimated value

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728711610 UNKNOWN LAKE TRIBUTARY NO 1 NEAR SIDON, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

Date	Time	Ending time	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT 05-06	1822	0011	488
OCT 11-11	1437	2116	306
OCT 13-14	0850	0117	733
NOV 27-27	0300	1325	1130
NOV 28-28	1118	2215	1880
DEC 12-12	1319	2156	984
JAN 22-23	1845	0055	2320
JAN 24-24	0541	1133	1810
MAR 16-16	0147	0354	8820
MAR 20-20	0526	1524	3230
MAY 26-26	1415	1634	5610
MAY 28-28	1514	1624	9020
MAY 29-29	1915	2027	7400
JUN 10-10	2012	2055	4980
JUN 12-12	1723	1928	3140
JUN 14-14	0243	0315	5320
JUL 05-05	1658	1736	7730
JUL 21-21	1635	2038	2140
JUL 23-23	0228	0239	376
JUL 31-31	1706	1919	436
SEP 26-26	0928	1144	426

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728711620 UNKNOWN LAKE TRIBUTARY NO 2 NEAR SIDON, MS

LOCATION.--Lat 33°24'33", long 90°14'18", in SE¼ NW¼ sec.19, T.18 N., R.1 E., Choctaw Meridian, Leflore County, Hydrologic Unit 08030206, on tributary approximately 50 ft upstream of Unknown Lake (locally referred to as Deep Hollow Lake), approximately 0.6 mi southeast of Yazoo River levee at Sidon Cutoff, 1.6 mi west of Illinois Central Gulf Railroad, 0.1 mi north of Fish Lake, and 1.5 mi west of Sidon.

DRAINAGE AREA.--0.04 mi^2 (25.4 acres).

PERIOD OF RECORD.--Water years 1996 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 120.50 ft above NGVD of 1929. Automatic pumping water-quality and sediment samplers since March 1996.

REMARKS.--No estimated discharges. Discharge records good. Discharges during summer months may be due to irrigation. Unpublished records of gage height and discharge during selected storm events are available in files of District office. Occasionally, records of gage height and discharge were not computed due to backwater or malfunction of the instruments.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 27 ft^3/s, Jan. 29, 1999, gage height, 2.09 ft; no flow for many days during each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 18 ft^3/s, Jan. 24, gage height, 1.69 ft; no flow for many days during year.

SELECTED RUNOFF EVENTS, 2002 WATER YEAR

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
10-11	1445	0.10	0.23	01-24	0600	0.18	0.57	05-26	1415	0.01	--
10-11	1500	.18	.57	01-24	0630	.26	1.0	05-26	1425	.28	1.1
10-11	1515	.29	1.2	01-24	0700	.31	1.3	05-26	1430	.66	4.2
10-11	1530	.34	1.5	01-24	0730	.70	4.6	05-26	1435	.93	6.6
10-11	1545	.36	1.7	01-24	0800	.97	6.9	05-26	1440	1.04	7.6
10-11	1600	.38	1.8	01-24	0830	1.14	8.7	05-26	1445	1.12	8.4
10-11	1615	.42	2.1	01-24	0900	1.45	14	05-26	1450	1.14	8.7
10-11	1630	.46	2.5	01-24	0930	1.60	16	05-26	1455	1.14	8.7
10-11	1645	.49	2.7	01-24	0945	1.66	17	05-26	1500	1.13	8.6
10-11	1700	.50	2.8	01-24	1000	1.67	18	05-26	1505	1.12	8.4
10-11	1715	.49	2.7	01-24	1015	1.69	18	05-26	1510	1.10	8.2
10-11	1730	.47	2.5	01-24	1030	1.65	17	05-26	1515	1.07	7.9
10-11	1745	.44	2.3	01-24	1100	1.59	16	05-26	1530	.98	7.0
10-11	1800	.42	2.1	01-24	1130	1.54	15	05-26	1545	.86	6.0
10-11	1815	.38	1.8	01-24	1200	1.49	14	05-26	1600	.68	4.4
10-11	1830	.36	1.7	01-24	1300	1.33	11	05-26	1615	.29	1.2
10-11	1845	.33	1.5	01-24	1400	1.18	9.2	05-26	1630	.07	--
10-11	1900	.30	1.3	01-24	1500	1.09	8.1				
10-11	1915	.27	1.1	01-24	1600	.88	6.1				
10-11	1930	.25	.95	01-24	1700	.53	3.1				
10-11	2000	.20	.67	01-24	1800	.36	1.7				
10-11	2030	.17	.52	01-24	1900	.23	.84				
10-11	2100	.14	.39	01-24	2000	.16	.48				
10-11	2200	.11	.27	01-24	2100	.12	.31				

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728711620 UNKNOWN LAKE TRIBUTARY NO 2 NEAR SIDON, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Ending time	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	AMINO-METHYL-PHOS-PHONIC ACID, WAT FLT (UG/L) (62649)	GLUFO-SINATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62721)	GLYPHO-SATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62722)
OCT 11-11	1537	1834	.14	2.5	1.50	<.010	1.20	1.50	15.0	--	--	--
OCT 13-13	0913	1224	.13	2.7	.50	.010	1.00	1.30	14.0	--	--	--
NOV 27-27	0827	1642	.02	E2.1	5.80	.080	1.30	E1.60	12.0	1.6	<.1	.5
NOV 28-29	1111	0351	.04	E1.5	.70	.020	.82	E1.10	10.0	.9	<.1	.4
DEC 12-12	1353	1742	.13	E1.5	.37	<.010	.47	E.73	6.1	.7	<.1	.1
DEC 12-13	2318	0236	.08	E2.0	.19	<.010	.42	E.89	6.1	.9	<.1	.1
DEC 17-17	0347	0612	.04	E3.8	.22	<.010	.41	E1.30	6.8	.8	<.1	.2
JAN 31-31	1910	1916	--	--	--	--	--	--	--	--	--	--
FEB 06-06	0132	1035	.02	1.6	.18	<.010	.17	.62	5.9	.6	<.1	<.1
MAR 12-12	0309	0452	.04	2.4	.52	.020	.22	.87	5.5	1.5	<.1	.4
MAR 16-16	0158	0414	.04	4.4	.21	<.010	.21	1.60	5.6	1.3	<.1	.3
MAR 20-20	0545	2105	.04	1.7	.05	<.010	.16	.58	7.2	1.4	<.1	.4
MAR 30-31	2309	0612	<.01	1.7	.12	<.010	.16	.65	4.7	1.2	<.1	.1
APR 08-08	1213	1750	.02	1.1	.05	<.010	.23	.50	5.4	.6	<.1	.2
MAY 26-26	1425	1601	.29	7.7	1.10	.030	.30	1.70	6.7	2.2	<.1	6.8
JUN 10-10	2004	2128	--	--	--	--	--	--	--	--	--	--
JUN 12-12	1729	1859	--	--	--	--	--	--	--	--	--	--
JUL 05-05	1708	1714	--	--	--	--	--	--	--	--	--	--
JUL 24-24	0807	0913	--	--	--	--	--	--	--	--	--	--
SEP 26-26	0934	1658	<.01	2.1	.07	<.010	.72	.76	4.7	--	--	--

Remark codes:
< -- Less than
E -- Estimated value

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728711620 UNKNOWN LAKE TRIBUTARY NO 2 NEAR SIDON, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

Date	Time	Ending time	SEDI-MENT, SUS-PENDED (MG/L) (80154)
OCT 11-11	1537	1834	118
OCT 13-13	0913	1224	179
NOV 27-27	0827	1642	165
NOV 28-29	1111	0351	261
DEC 12-12	1353	1742	187
DEC 12-13	2318	0236	341
DEC 17-17	0347	0612	831
JAN 31-31	1910	1916	1820
FEB 06-06	0132	1035	315
MAR 12-12	0309	0452	586
MAR 16-16	0158	0414	1390
MAR 20-20	0545	2105	318
MAR 30-31	2309	0612	466
APR 08-08	1213	1750	193
MAY 26-26	1425	1601	2740
JUN 10-10	2004	2128	2150
JUN 12-12	1729	1859	2110
JUL 05-05	1708	1714	2070
JUL 24-24	0807	0913	494
SEP 26-26	0934	1658	70

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728711620 UNKNOWN LAKE TRIBUTARY NO 2 NEAR SIDON, MS--Continued

DISCRETE SAMPLE DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)
OCT			
11...	1534	1.6	223
11...	1623	2.4	143
11...	1709	2.7	91
11...	1759	2.1	72
11...	1831	1.6	71
13...	0910	1.5	367
13...	0952	2.3	252
13...	1040	2.5	144
13...	1129	2.6	96
13...	1221	2.1	68
13...	1250	1.6	67
NOV			
27...	0827	1.6	142
27...	0916	2.4	112
27...	1002	3.0	122
27...	1044	3.2	130
27...	1124	3.0	129
27...	1211	2.3	127
27...	1307	2.1	112
27...	1409	2.2	88
27...	1459	2.1	97
27...	1602	1.7	93
28...	1142	1.7	116
28...	1151	1.6	115
28...	1857	1.5	229
28...	1921	3.4	262
28...	1942	7.2	247
28...	1959	8.4	259
28...	2014	9.2	420
28...	2028	9.3	533
28...	2043	9.0	512
28...	2058	8.6	454
28...	2114	7.9	424
28...	2132	7.1	535
28...	2152	6.3	325
28...	2217	4.8	251
28...	2309	1.5	264
28...	2355	3.8	325
29...	0024	4.9	181
29...	0050	5.4	169
29...	0115	5.4	225
29...	0141	4.9	274
29...	0216	3.9	156
29...	0249	2.6	150
29...	0440	1.4	215
DEC			
12...	1352	1.4	310
12...	1426	4.8	249
12...	1448	6.6	210
12...	1506	7.9	214
12...	1522	8.3	232
12...	1538	8.3	204
12...	1555	7.9	185
12...	1613	7.2	155
12...	1633	6.4	141
12...	1656	5.1	128
12...	2317	1.3	753
12...	2346	4.4	587
13...	0012	5.4	392
13...	0035	5.8	309
13...	0059	5.7	242
13...	0123	5.3	207
13...	0152	4.1	187
13...	0235	2.1	177
13...	0249	1.7	172
13...	0943	1.5	117
13...	0956	1.8	124
13...	1049	2.6	110
17...	0346	1.3	1760
17...	0420	4.2	1190
17...	0450	4.5	708
17...	0521	3.7	469
17...	0611	1.7	386
JAN			
24...	0653	1.2	977
24...	0730	4.6	662
24...	0754	6.5	673
24...	0812	7.7	518
24...	0828	8.7	694
24...	0842	10	487

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)
JAN			
24...	0853	12	1160
24...	0903	14	834
24...	0912	15	823
24...	0921	16	819
24...	0929	16	891
24...	0937	17	882
24...	0945	17	896
24...	0952	18	892
24...	1000	18	891
24...	1007	18	783
24...	1014	18	677
24...	1022	18	661
24...	1029	17	704
24...	1037	17	681
24...	1045	16	650
24...	1054	16	625
24...	1102	16	628
24...	1110	16	700
31...	1848	1.2	2380
31...	1907	1.3	2200
FEB			
06...	0131	1.3	497
06...	0223	2.0	437
06...	0315	2.6	382
06...	0401	2.8	323
06...	0445	2.8	285
06...	0535	2.1	236
06...	0645	1.4	221
06...	0706	1.3	208
06...	1027	.52	160
MAR			
12...	0307	1.1	756
12...	0347	2.4	532
12...	0450	1.7	408
12...	0518	1.3	371
16...	0156	.95	2980
16...	0231	3.4	1920
16...	0310	3.0	958
20...	0543	1.1	1250
20...	0625	3.0	1010
20...	0709	2.5	500
20...	1219	1.2	349
20...	1245	2.2	329
20...	1329	3.2	268
20...	1407	3.4	194
20...	1446	3.1	150
20...	1523	4.0	183
20...	1554	4.4	223
20...	1626	3.6	214
20...	1706	2.9	191
20...	1756	2.4	173
20...	1844	2.8	164
20...	1929	2.7	162
20...	2023	1.8	121
30...	2308	1.0	1720
30...	2329	6.0	952
30...	2347	7.8	603
31...	0003	8.7	640
31...	0018	8.9	582
31...	0033	8.8	469
31...	0049	8.3	359
31...	0106	7.7	258
31...	0124	6.8	182
31...	0144	6.7	269
31...	0204	7.3	889
31...	0221	8.1	860
31...	0236	8.8	780
31...	0251	9.2	633
31...	0306	9.2	437
31...	0320	8.9	314
31...	0336	8.4	254
31...	0353	7.8	221
31...	0411	7.1	191
31...	0430	6.5	183
31...	0452	5.7	198
31...	0520	4.1	214
31...	0610	1.6	202
31...	0627	1.3	179

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728711620 UNKNOWN LAKE TRIBUTARY NO 2 NEAR SIDON, MS--Continued

DISCRETE SAMPLE DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
APR			
08...	1212	1.2	357
08...	1258	3.0	299
08...	1331	4.7	258
08...	1356	5.7	219
08...	1418	6.1	196
08...	1439	6.4	177
08...	1501	6.2	149
08...	1523	5.9	136
08...	1547	5.0	116
08...	1622	2.7	105
MAY			
26...	1423	.43	7790
26...	1444	8.2	5040
26...	1500	8.6	2990
26...	1516	7.8	2100
26...	1535	6.7	1610
26...	1559	4.6	1180
29...	1912	.62	7300
29...	1940	5.4	4130
29...	2013	1.8	1910
JUN			
10...	2028	6.8	3680
10...	2047	6.7	1630
10...	2110	5.1	920
12...	1715	.78	4950
12...	1736	8.2	5380
12...	1751	9.3	3460
12...	1806	8.4	2140
12...	1823	7.2	1350
12...	1844	5.8	884
JUL			
05...	1706	1.3	2000

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862104 BEASLEY LAKE TRIBUTARY NO 3 NEAR INDIANOLA, MS

LOCATION.--Lat 33°24′15", long 90°40′05", in SW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.13, T.18 N., R.5 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, on tributary approximately 300 ft upstream of Beasley Lake, approximately 0.15 mi south of Big Sunflower River levee, and 2.5 mi southwest of Indianola.

DRAINAGE AREA.--0.03 mi^2 (17.8 acres).

PERIOD OF RECORD.--Water years 1996 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 104.61 ft above NGVD of 1929. Automatic pumping water-quality and sediment samplers since September 1996.

REMARKS.--No estimated discharges. Discharge records fair. Unpublished records of gage height and discharge during selected storm events are available in files of District office. Occasionally, records of gage height and discharge were not computed due to backwater or malfunction of the instruments.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 13 ft^3/s on several days in water years 1997, 1998, 2000, and 2001, gage height, 4.41 ft, Dec. 19, 2001, higher gage height may have occurred during periods of missing record; no flow for many days during each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 9.0 ft^3/s, Nov. 29, gage height, 4.41, ft, Dec. 19; no flow for many days during year.

SELECTED RUNOFF EVENTS, 2002 WATER YEAR

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
10-13	0730	0.67	--	11-27	0045	1.46	--	01-24	0700	1.54	0.34
10-13	0800	.75	.66	11-27	0100	1.53	.29	01-24	0730	1.86	2.7
10-13	0830	.79	.87	11-27	0130	1.71	1.4	01-24	0800	2.07	5.1
10-13	0900	.83	1.1	11-27	0200	1.81	2.3	01-24	0830	2.13	5.8
10-13	0930	.86	1.3	11-27	0230	1.82	2.4	01-24	0900	2.23	7.2
10-13	1000	.86	1.3	11-27	0300	1.83	2.5	01-24	0930	2.30	8.2
10-13	1030	.85	1.2	11-27	0330	1.83	2.5	01-24	1000	2.31	8.4
10-13	1100	.83	1.1	11-27	0400	1.81	2.3	01-24	1030	2.24	7.4
10-13	1130	.82	1.0	11-27	0500	1.79	2.1	01-24	1100	2.14	6.0
10-13	1200	.80	.93	11-27	0600	1.76	1.8	01-24	1200	2.14	6.0
10-13	1230	.79	.87	11-27	0700	1.71	1.4	01-24	1300	2.02	4.5
10-13	1300	.77	.76	11-27	0800	1.67	1.1	01-24	1400	1.95	3.7
10-13	1400	.74	.61	11-27	0900	1.67	.91	01-24	1500	1.88	3.0
10-13	1500	.71	.47	11-27	1100	1.59	.63	01-24	1600	1.80	2.2
10-13	1600	.68	.35	11-27	1300	1.54	.34	01-24	1700	1.73	1.6
				11-27	1500	1.52	.26	01-24	1800	1.66	1.0
				11-27	1700	1.47	--	01-24	1900	1.58	.58
								01-24	2000	1.50	.19

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862104 BEASLEY LAKE TRIBUTARY NO 3 NEAR INDIANOLA, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Ending time	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	ORTHO- PHOS- PHATE, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	AMINO- METHYL- PHOS- PHONIC ACID, WAT FLT (UG/L) (62649)	GLUFO- SINATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62721)	GLYPHO- SATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62722)
NOV												
28-29	1402	0212	.22	E1.1	.56	.020	E.03	E1.10	7.1	1.5	<.1	.5
JAN												
24-24	0658	1925	.14	1.4	.19	.010	.34	.54	2.6	.8	<.1	.4
FEB												
06-06	0203	0306	.02	1.7	.10	<.010	.18	.66	5.8	.8	<.1	.2
FEB												
19-20	2056	0152	.09	1.5	.34	<.010	.41	.70	5.4	.9	<.1	.2

Date	Time	Ending time	SEDI- MENT, SUS- PENDED (MG/L) (80154)
NOV			
28-29	1402	0212	107
JAN			
24-24	0658	1925	158
FEB			
06-06	0203	0306	151
FEB			
19-20	2056	0152	207

Remark codes:
< -- Less than
E -- Estimated value

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862104 BEASLEY LAKE TRIBUTARY NO 3 NEAR INDIANOLA, MS--Continued

DISCRETE SAMPLE DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
OCT			
13...	0839	.93	425
13...	1138	.98	240
13...	1205	.93	201
13...	1210	.93	204
NOV			
28...	1647	--	64
28...	1748	.45	83
28...	1834	1.3	94
28...	1915	2.3	93
28...	1951	2.6	102
28...	2028	2.4	93
28...	2106	1.8	75
28...	2145	3.2	135
28...	2216	5.2	170
28...	2243	5.7	153
28...	2310	5.2	119
28...	2338	4.5	130
29...	0009	3.6	141
29...	0043	3.1	129
29...	0116	2.5	120
29...	0152	3.3	116
29...	0225	4.2	114
29...	0254	5.6	111
29...	0318	8.4	104
29...	0340	8.8	123
29...	0401	8.5	110
29...	0424	7.4	106
29...	0448	6.0	95
29...	0516	4.6	104
JAN			
22...	2348	.19	291
23...	0027	.51	216
23...	0118	.58	213
23...	0208	.58	204
23...	0256	1.0	272
23...	0341	.98	199
23...	0428	.68	184
23...	0520	.29	195
23...	0544	.19	184
JAN			
24...	0659	.26	500
24...	0740	3.6	284
24...	0809	5.3	229
24...	0836	6.1	209
24...	0901	7.2	208
24...	0924	8.1	185
24...	0946	8.2	170
24...	1008	8.1	150
24...	1031	7.2	139
24...	1056	6.1	138
24...	1122	5.8	142
24...	1149	6.0	155
24...	1215	5.6	158
24...	1242	4.9	136
24...	1312	4.3	116
24...	1342	3.9	133
24...	1414	3.6	147
24...	1447	3.2	148
24...	1522	2.7	134
24...	1559	2.2	115
24...	1638	1.7	107
24...	1719	1.4	113
24...	1804	.98	90
24...	1851	.63	87
31...	1747	.19	594
31...	1829	.91	488
31...	1926	.73	320
31...	2006	.39	247
31...	2042	.19	212
FEB			
06...	0203	.19	162
06...	0207	--	157
06...	0249	.26	153
19...	2057	.29	516
19...	2137	2.8	329
19...	2211	3.2	244
19...	2245	2.8	167
19...	2321	2.3	144
20...	0001	1.6	192
20...	0042	1.0	233
20...	0134	.26	116

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862105 BEASLEY LAKE TRIBUTARY NO 4A NEAR INDIANOLA, MS

LOCATION.--Lat 33°23'59", long 90°39'34", in NW¼ NW¼ sec.19, T.18 N., R.4 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, on tributary approximately 0.8 mi upstream of Beasley Lake, 2.5 mi southwest of Indianola.

DRAINAGE AREA.--0.59 mi^2 (380 acres), approximately.

PERIOD OF RECORD.--Water years 1997 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 106.25 ft above NGVD of 1929. Automatic pumping water-quality and sediment samplers since November 1996.

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Ending time	NITROGEN, AMMONIA DISSOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITROGEN, NO2+NO3 DISSOLVED (MG/L AS N) (00631)	NITROGEN, NITRITE DISSOLVED (MG/L AS N) (00613)	ORTHOPHOSPHATE, DISSOLVED (MG/L AS P) (00671)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	AMINOMETHYLPHOSPHONIC ACID, WAT FLT (UG/L) (62649)	GLUFOSINATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62721)	GLYPHOSATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62722)
OCT 05-05	2019	2308	--	--	--	--	--	--	--	--	--	--
OCT 13-13	0941	2006	.03	2.5	.98	.070	E1.20	1.50	13.0	--	--	--
NOV 27-28	0258	0258	.08	E1.8	1.80	.070	.58	E.89	7.4	1.7	<.1	.4
NOV 28-28	1255	1556	.08	E1.6	E1.00	.060	.40	E.71	8.2	--	--	--
NOV 28-30	1855	0341	.07	E1.2	.46	.020	.26	E.67	7.3	.6	<.1	.3
DEC 12-14	1251	1321	.10	E1.6	.33	<.010	.27	E.65	5.4	.7	<.1	.3
DEC 15-17	1452	0222	.08	E1.1	.20	<.010	.17	E.46	5.6	.4	<.1	.1
JAN 22-23	2302	1102	.05	2.8	.47	<.010	.16	.84	3.9	.8	<.1	.2
JAN 24-25	0650	0803	.04	2.2	.17	<.010	.12	.81	2.3	.5	<.1	.2
JAN 31-FEB 01	1757	0027	.02	5.0	.53	<.010	.19	1.60	5.6	.7	<.1	.1
FEB 06-06	0052	1359	.15	2.0	.38	<.010	.04	.73	4.2	.6	<.1	<.1
FEB 19-20	2050	1018	.02	2.6	.27	<.010	.17	.71	4.2	.8	<.1	.1
MAR 12-12	0213	1019	.03	2.3	.70	<.010	.11	.89	3.8	1.0	<.1	.2
MAR 16-16	0122	1240	.07	5.8	.53	<.010	.15	1.80	7.8	2.3	<.1	5.7
MAR 20-21	1155	1225	.04	2.2	.31	<.010	.10	1.10	8.5	1.5	<.1	1.1
MAR 30-31	2156	1823	.03	3.4	.45	<.010	.10	1.20	5.9	1.1	<.1	.5
APR 08-09	1143	0113	.03	2.5	.56	<.010	.13	.77	6.6	.6	<.1	.8
APR 29-29	0027	0227	--	--	--	--	--	--	--	--	--	--
MAY 10-10	0838	1138	--	--	--	--	--	--	--	--	--	--
AUG 25-25	0958	1348	--	--	--	--	--	--	--	--	--	--
SEP 26-27	1038	1338	.03	1.3	.96	.020	.59	1.10	9.7	--	--	--

Remark codes:
< -- Less than
E -- Estimated value

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862105 BEASLEY LAKE TRIBUTARY NO 4A NEAR INDIANOLA, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

Date	Time	Ending time	SEDIMENT, SUSPENDED (MG/L) (80154)
OCT 05-05	2019	2308	229
OCT 13-13	0941	2006	184
NOV 27-28	0258	0258	298
NOV 28-28	1255	1556	430
NOV 28-30	1855	0341	430
DEC 12-14	1251	1321	377
DEC 15-17	1452	0222	214
JAN 22-23	2302	1102	814
JAN 24-25	0650	0803	780
JAN 31-FEB 01	1757	0027	1790
FEB 06-06	0052	1359	523
FEB 19-20	2050	1018	664
MAR 12-12	0213	1019	826
MAR 16-16	0122	1240	2050
MAR 20-21	1155	1225	1080
MAR 30-31	2156	1823	1390
APR 08-09	1143	0113	715
APR 29-29	0027	0227	1970
MAY 10-10	0838	1138	1060
AUG 25-25	0958	1348	258
SEP 26-27	1038	1338	578

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862106 BEASLEY LAKE TRIBUTARY NO 4B NEAR INDIANOLA, MS

LOCATION.--Lat 33°24'07", long 90°39'35", in NW¼ NW¼ sec.19, T.18 N., R.4 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, on tributary approximately 0.8 mi upstream of Beasley Lake, and 2.5 mi southwest of Indianola.

DRAINAGE AREA.--0.27 mi^2(170 acres), approximately.

PERIOD OF RECORD.--Water years 1997 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 106.69 ft above NGVD of 1929. Automatic pumping water-quality and sediment samplers since November 1996.

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Ending time	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	AMINO-METHYL-PHOS-PHONIC ACID, WAT FLT (UG/L) (62649)	GLUFO-SINATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62721)	GLYPHO-SATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62722)
JAN 23-24	0248	1046	.05	1.1	.17	<.010	.15	.24	9.9	.2	<.1	.1
JAN 24-25	0706	0836	.04	.90	.06	<.010	.15	.24	4.2	.5	<.1	.2
FEB 06-06	0501	1731	.03	1.0	.30	<.010	.16	.33	9.6	.2	<.1	<.1
FEB 19-20	2140	1522	.04	1.0	.21	<.010	.16	.26	8.1	.3	<.1	<.1
MAR 12-12	0350	1550	.06	1.1	.20	<.010	.19	.33	11.0	.4	<.1	.5
MAR 16-16	0100	1910	.11	1.1	.09	<.010	.22	.40	9.8	1.3	<.1	2.7
MAR 20-21	1155	1225	.08	1.1	.03	<.010	.31	.53	--	1.6	<.1	.4
MAR 31-APR 01	0015	0445	.03	1.0	<.02	<.010	.21	.41	8.3	2.2	<.1	.4

Date	Time	Ending time	SEDI-MENT, SUS-PENDED (MG/L) (80154)
JAN 23-24	0248	1046	40
JAN 24-25	0706	0836	63
FEB 06-06	0501	1731	28
FEB 19-20	2140	1522	42
MAR 12-12	0350	1550	32
MAR 16-16	0100	1910	35
MAR 20-21	1155	1225	27
MAR 31-APR 01	0015	0445	69

Remark codes:
< -- Less than

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862107 BEASLEY LAKE TRIBUTARY NO 4 NEAR INDIANOLA, MS

LOCATION.--Lat 33°23'52", long 90°40'01", in SW¼ NE¼ sec.24, T.18 N., R.5 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, on tributary approximately 0.2 mi upstream of Beasley Lake, 2.6 mi southwest of Indianola.

DRAINAGE AREA.--1.31 mi^2 (840 acres), approximately.

PERIOD OF RECORD.--Water years 1997 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 101.75 ft above NGVD of 1929. Automatic pumping water-quality and sediment samplers since October 1997.

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Ending time	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	AMINO-METHYL-PHOS-PHONIC ACID, WAT FLT (UG/L) (62649)	GLUFO-SINATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62721)	GLYPHO-SATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62722)
JAN 23-23	0138	1238	.11	2.2	.62	<.010	.16	.56	5.4	.7	<.1	.3
JAN 24-28	0800	1000	.07	1.4	.14	<.010	.13	.43	3.3	.4	<.1	.3
FEB 19-21	2234	0939	.04	1.7	.19	<.010	.14	.46	5.9	.5	<.1	<.1
MAR 12-12	0500	1026	.05	1.9	.67	<.010	.12	.71	4.7	.9	<.1	.2
MAR 16-16	0309	1307	.07	4.6	.47	<.010	.14	1.50	9.8	2.5	<.1	9.8
MAR 20-21	1304	0714	.06	2.2	.24	<.010	.14	.75	8.1	1.4	<.1	1.1
MAR 31-APR 01	0032	1532	.02	1.6	.30	<.010	.12	.60	7.8	.7	<.1	.6
APR 08-09	1404	0136	.06	2.1	.46	<.010	.14	.71	7.4	.6	<.1	.5
SEP 26-30	1330	1515	.07	1.8	.25	<.010	.45	.48	9.6	--	--	--

Date	Time	Ending time	SEDI-MENT, SUS-PENDED (MG/L) (80154)
JAN 23-23	0138	1238	383
JAN 24-28	0800	1000	268
FEB 19-21	2234	0939	294
MAR 12-12	0500	1026	573
MAR 16-16	0309	1307	1360
MAR 20-21	1304	0714	496
MAR 31-APR 01	0032	1532	581
APR 08-09	1404	0136	508
SEP 26-30	1330	1515	49

Remark codes:
< -- Less than

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862108 BEASLEY LAKE TRIBUTARY NO 1 NEAR INDIANOLA, MS

LOCATION.--Lat 33°23'37", long 90°40'55", in NW¼ SE¼ sec.23, T.18 N., R.5 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, on tributary approximately 0.2 mi upstream of Beasley Lake, approximately 0.6 mi southeast of Big Sunflower River levee, and 3.4 mi southwest of Indianola.

DRAINAGE AREA.--0.16 mi^2 (100 acres).

PERIOD OF RECORD.--Water years 1996 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 104.52 ft above NGVD of 1929. Automatic pumping water-quality and sediment samplers since August 1996.

REMARKS.--Discharges during summer months may be due to irrigation. Unpublished records of gage height and discharge during selected storm events are available in files of District office. Occasionally, records of gage height and discharge were not computed due to backwater or malfunction of the instruments.
WATER YEAR 1997: No estimated discharges. Discharge records fair for published events.
WATER YEAR 1998: No estimated discharges. Discharge records fair for published events.
WATER YEAR 1999: No estimated discharges. Discharge records fair for published events.
WATER YEAR 2000: No estimated discharges. Discharge records fair for published events.
WATER YEAR 2001: No estimated discharges. Discharge records fair for published events.
WATER YEAR 2002: No estimated discharges. Discharge records fair for published events.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 34 ft^3/s, Dec. 15, 2000 (gage height, 5.37 ft), Jan. 24, 2002 (gage height, 5.39 ft), maximum gage height, 6.21 ft, Jan. 24, 1997; no flow for many days during each year.

EXTREMES FOR CURRENT YEAR.--
WATER YEAR 1997: Maximum discharge 32 ft^3/s, Jan. 27, gage height, 5.97 ft, maximum gage height, 6.21 ft, Jan. 24; no flow for many days during year.
WATER YEAR 1998: Maximum discharge 25 ft^3/s, Mar. 7, gage height, 5.29 ft, maximum gage height, 5.55 ft, Mar. 7; no flow for many days during year.
WATER YEAR 1999: Maximum discharge 16 ft^3/s, Jan. 29, gage height, 4.70 ft, maximum gage height, 5.08 ft, Jan. 29; no flow for many days during year.
WATER YEAR 2000: Maximum discharge 15 ft^3/s, Apr. 2, gage height, 5.43 ft, maximum gage height, 5.81 ft, Apr. 2; no flow for many days during year.
WATER YEAR 2001: Maximum discharge 34 ft^3/s, Dec. 15, gage height, 5.37 ft, maximum gage height, 5.47 ft, Dec. 15; no flow for many days during year.
WATER YEAR 2002: Maximum discharge 34 ft^3/s, Jan. 24, gage height, 5.39 ft, maximum gage height, 5.96 ft, Sept. 26; no flow for many days during year.

SELECTED RUNOFF EVENTS, 1997 WATER YEAR

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
12-26	1500	0.69	2.1	07-08	1845	1.14	1.6	08-09	0600	1.01	2.7
12-26	1530	.95	3.5	07-08	1900	1.36	3.9	08-09	0630	3.00	16
12-26	0630	.90	2.9	07-08	1915	1.62	4.9	08-09	0700	4.65	21
12-26	1715	.69	2.3	07-08	1930	1.71	3.9	08-09	0730	5.38	26
12-26	1830	.62	1.8	07-08	1945	1.67	3.6	08-09	0800	5.53	20
12-26	1930	1.13	4.4	07-08	2000	1.48	3.4	08-09	0830	5.49	19
12-26	2030	1.84	6.5	07-08	2015	1.29	3.1	08-09	0900	5.47	18
12-26	2130	2.52	10	07-08	2030	1.10	2.7	08-09	0930	5.39	16
12-26	2230	2.64	8.5	07-08	2045	.91	2.4	08-09	1000	5.28	14
12-26	2330	2.57	8.4	07-08	2100	.74	2.0	08-09	1030	5.13	13
12-27	0030	2.39	7.6	07-08	2115	.62	1.5	08-09	1100	4.93	12
12-27	0130	1.97	6.2					08-09	1130	4.74	5.6
12-27	0230	1.49	4.3					08-09	1200	4.57	5.3
12-27	0330	1.03	2.7					08-09	1230	4.42	5.0
12-27	0430	.77	1.8					08-09	1300	4.26	4.6
12-27	0530	.68	1.6					08-09	1330	4.13	8.9
12-27	0630	.60	1.5					08-09	1400	4.00	9.1
								08-09	1430	3.88	8.6
								08-09	1500	3.77	8.2
								08-09	1600	3.57	8.0
								08-09	1700	3.38	8.3
								08-09	1800	3.20	7.6
								08-09	1900	3.01	6.7
								08-09	2100	2.63	5.6
								08-09	2300	2.26	5.1

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862108 BEASLEY LAKE TRIBUTARY NO 1 NEAR INDIANOLA, MS--Continued

SELECTED RUNOFF EVENTS, 1998 WATER YEAR

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
10-31	0930	0.63	1.1	03-07	1200	0.67	2.4	05-29	0100	0.85	1.8
10-31	0945	1.53	5.5	03-07	1300	.84	3.6	05-29	0200	1.21	3.4
10-31	1000	1.88	6.5	03-07	1400	.99	4.7	05-29	0300	1.56	4.8
10-31	1015	2.26	7.8	03-07	1500	1.23	5.8	05-29	0400	1.43	4.3
10-31	1030	2.56	7.6	03-07	1600	1.41	5.7	05-29	0430	1.97	7.7
10-31	1045	2.77	7.1	03-07	1700	1.82	7.6	05-29	0445	2.61	12
10-31	1100	2.87	6.4	03-07	1800	2.56	8.5	05-29	0500	2.99	11
10-31	1115	2.89	6.0	03-07	1900	2.96	8.4	05-29	0515	3.22	11
10-31	1130	2.88	6.0	03-07	2000	3.18	8.9	05-29	0600	3.55	9.8
10-31	1200	2.79	5.3	03-07	2100	3.24	9.2	05-29	0700	3.62	9.8
10-31	1230	2.66	5.0	03-07	2130	4.48	16	05-29	0800	3.27	8.1
10-31	1300	2.52	4.8	03-07	2200	5.29	25	05-29	0900	2.94	8.3
10-31	1330	2.33	3.7	03-07	2230	5.51	20	05-29	1000	2.63	6.9
10-31	1400	2.13	3.7	03-07	2300	5.51	18	05-29	1100	2.17	5.2
10-31	1500	1.74	3.3	03-08	0300	3.87	8.9	05-29	1200	1.78	4.5
10-31	1600	1.39	2.5	03-08	0700	2.95	6.7	05-29	1400	1.38	3.4
10-31	1700	1.13	2.0	03-08	1100	2.04	3.5	05-29	1600	1.18	3.1
10-31	1800	.99	1.8	03-08	1500	1.47	3.0	05-29	1800	1.03	2.8
10-31	1900	.90	1.6	03-08	1900	.94	1.8	05-29	2000	.92	2.2
10-31	2000	.83	1.4					05-29	2200	.83	1.9
10-31	2100	.76	1.0					05-30	0000	.76	1.7
10-31	2200	.71	1.0								
10-31	2300	.67	.83								

SELECTED RUNOFF EVENTS, 1999 WATER YEAR

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-22	0815	1.16	2.8	04-14	2100	0.64	0.66	05-05	1800	0.68	1.1
01-22	0915	1.41	3.7	04-14	2115	1.03	1.7	05-05	1815	.98	2.2
01-22	1015	2.92	9.4	04-14	2130	1.46	2.9	05-05	1830	1.12	2.6
01-22	1045	3.14	8.8	04-14	2145	1.78	6.0	05-05	1845	1.86	5.5
01-22	1115	3.75	11	04-14	2200	1.96	5.9	05-05	1900	2.76	9.9
01-22	1145	4.07	11	04-14	2215	2.03	5.3	05-05	1915	3.37	13
01-22	1215	4.05	10	04-14	2230	2.04	5.0	05-05	1930	3.62	12
01-22	1315	3.75	8.4	04-14	2300	1.89	5.1	05-05	2000	3.81	8.7
01-22	1415	3.37	9.1	04-14	2330	1.45	4.5	05-05	2030	3.75	7.2
01-22	1515	3.15	9.0	04-15	0000	1.07	3.7	05-05	2100	3.33	8.4
01-22	1615	3.22	9.1	04-15	0030	.90	3.4	05-05	2200	2.51	8.1
01-22	1715	3.20	7.9	04-15	0100	.84	3.4	05-05	2300	1.81	6.4
01-22	1815	2.91	7.3	04-15	0130	.81	3.2	05-06	0000	1.37	4.7
01-22	2000	2.22	4.1	04-15	0200	.78	3.1	05-06	0100	1.17	4.9
01-22	2200	1.32	3.0	04-15	0300	.74	3.0	05-06	0200	1.06	3.7
01-23	0000	.96	2.5	04-15	0400	.69	2.7	05-06	0300	.99	3.5
01-23	0200	.84	1.9	04-15	0500	.66	2.4	05-06	0400	.93	2.8
01-23	0400	.76	1.3	04-15	0600	.63	2.3	05-06	0600	.83	1.9
01-23	0600	.70	1.1	04-15	0700	.60	2.2	05-06	0800	.77	1.3
								05-06	1000	.72	.74
								05-06	1400	.62	.53

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862108 BEASLEY LAKE TRIBUTARY NO 1 NEAR INDIANOLA, MS--Continued

SELECTED RUNOFF EVENTS, 2000 WATER YEAR

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-03	1300	0.80	0.74	03-27	0030	1.05	1.4	06-05	0330	0.65	0.72
01-03	1330	1.46	2.8	03-27	0100	1.59	3.4	06-05	0400	.76	1.1
01-03	1400	1.67	2.9	03-27	0130	1.89	4.5	06-05	0400	.76	1.1
01-03	1430	1.66	2.8	03-27	0200	1.85	4.0	06-05	0430	.89	1.9
01-03	1500	1.58	1.9	03-27	0300	1.58	2.2	06-05	0500	1.01	3.2
01-03	1530	1.48	1.7	03-27	0400	1.37	1.5	06-05	0530	1.05	4.4
01-03	1600	1.38	1.5	03-27	0500	1.25	.58	06-05	0600	1.06	3.8
01-03	1630	1.31	.74	03-27	0600	1.16	.52	06-05	0700	1.03	4.0
01-03	1700	1.27	.68	03-27	0700	1.09	.43	06-05	0800	.98	3.4
01-03	1730	1.24	.62	03-27	0800	1.04	.44	06-05	0900	.93	2.7
01-03	1800	1.20	.54	03-27	0900	1.00	.42	06-05	1000	.89	2.1
01-03	1830	1.16	.52	03-27	1000	.95	.14	06-05	1100	.86	1.7
01-03	1900	1.12	.31	03-27	1100	.92	.30	06-05	1200	.84	1.6
01-03	1930	1.10	.48	03-27	1200	.90	.31	06-05	1300	.82	1.5
01-03	2000	1.06	.45	03-27	1300	.87	.37	06-05	1400	.81	1.4
01-03	2030	1.04	.29	03-27	1400	.85	.70	06-05	1500	.79	1.1
01-03	2100	1.01	.42	03-27	1500	.86	.29	06-05	1600	.78	.91
01-03	2130	.99	.41	03-27	1600	.80	.29	06-05	1700	.76	.85
01-03	2200	.98	.40	03-27	1700	.79	.25	06-05	1800	.75	.82
01-03	2230	.96	.39	03-27	1800	.79	.21	06-05	1900	.74	.57
01-03	2300	.96	.39	03-27	1900	.78	.21	06-05	2000	.72	.21
01-03	2330	.94	.33	03-27	2000	.75	.16	06-05	2100	.71	.20
				03-27	2100	.72	.24	06-05	2200	.69	.19
				03-27	2200	.70	.14	06-05	2300	.68	.24
				03-27	2300	.68	.13				

SELECTED RUNOFF EVENTS, 2001 WATER YEAR

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
11-23	2200	0.71	1.6	02-12	0400	0.63	1.3	03-14	2000	0.62	1.0
11-24	0000	1.33	5.4	02-12	0600	.77	3.1	03-14	2030	.73	2.0
11-24	0200	1.45	6.3	02-12	0800	1.16	6.0	03-14	2100	.97	5.2
11-24	0400	2.60	11	02-12	1000	1.21	6.5	03-14	2145	1.90	9.8
11-24	0600	3.10	13	02-12	1200	1.45	7.3	03-14	2215	2.26	12
11-24	0800	3.79	17	02-12	1300	1.80	8.2	03-14	2245	2.33	11
11-24	0900	3.76	16	02-12	1400	1.86	7.8	03-14	2330	2.15	9.9
11-24	0930	3.78	16	02-12	1500	2.11	9.0	03-15	0000	1.98	8.1
11-24	0945	3.78	17	02-12	1600	2.31	10	03-15	0200	1.78	7.8
11-24	1000	3.79	16	02-12	1630	2.43	11	03-15	0400	1.62	6.4
11-24	1015	3.77	19	02-12	1700	2.45	11	03-15	0600	1.30	5.6
11-24	1030	3.72	18	02-12	1800	2.41	10	03-15	0800	1.07	4.2
11-24	1045	3.65	17	02-12	1900	2.18	8.1	03-15	1000	.92	3.3
11-24	1100	3.57	16	02-12	2000	1.95	7.7	03-15	1200	.81	2.9
11-24	1200	3.20	14	02-12	2200	1.66	6.6	03-15	1400	.76	2.4
11-24	1300	2.90	12	02-13	0000	1.44	5.2				
11-24	1400	2.66	9.5	02-13	0600	1.26	4.9				
11-24	1600	2.43	8.6	02-13	1200	.84	2.6				
11-24	1800	2.29	6.6	02-13	1800	.76	2.9				
11-24	2000	2.05	4.3	02-13	2345	.73	2.4				

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862108 BEASLEY LAKE TRIBUTARY NO 1 NEAR INDIANOLA, MS--Continued

SELECTED RUNOFF EVENTS, 2002 WATER YEAR

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-24	0530	0.83	1.3	02-06	0000	0.87	2.6	03-30	2100	0.72	1.2
01-24	0630	.92	2.6	02-06	0100	1.27	5.7	03-30	2200	1.35	8.3
01-24	0730	3.05	17	02-06	0200	1.58	7.2	03-30	2300	2.15	13
01-24	0830	4.38	21	02-06	0300	1.72	8.0	03-31	0000	2.11	11
01-24	0900	4.80	22	02-06	0400	1.82	9.0	03-31	0100	1.97	10
01-24	0930	5.14	25	02-06	0500	1.82	8.8	03-31	0200	2.72	15
01-24	1000	5.36	30	02-06	0600	1.76	7.9	03-31	0230	2.94	16
01-24	1030	5.44	31	02-06	0700	1.70	7.9	03-31	0300	3.00	15
01-24	1100	5.41	30	02-06	0800	1.65	7.6	03-31	0400	2.98	15
01-24	1130	5.43	29	02-06	0900	1.60	7.4	03-31	0500	2.92	14
01-24	1200	5.50	31	02-06	1000	1.54	6.8	03-31	0600	2.64	12
01-24	1215	5.49	33	02-06	1100	1.46	6.5	03-31	0700	2.34	11
01-24	1230	5.46	32	02-06	1200	1.38	5.9	03-31	0800	2.14	9.8
01-24	1300	5.39	34	02-06	1300	1.32	5.2	03-31	0900	2.02	8.6
01-24	1330	5.33	33	02-06	1400	1.25	4.8	03-31	1000	1.93	8.1
01-24	1400	5.23	32	02-06	1500	1.18	4.4	03-31	1100	1.84	7.3
01-24	1500	4.89	28	02-06	1600	1.12	4.2	03-31	1200	1.76	6.3
01-24	1600	4.51	24	02-06	1700	1.06	4.0	03-31	1300	1.68	5.8
01-24	1700	4.17	20	02-06	1800	1.01	3.2	03-31	1400	1.62	5.4
01-24	1800	3.96	17	02-06	1900	.96	3.3	03-31	1600	1.51	4.6
01-24	1900	3.66	15	02-06	2000	.93	2.8	03-31	1800	1.36	4.1
01-24	2000	3.38	13	02-06	2100	.90	2.5	03-31	2000	1.18	3.3
01-24	2100	3.14	10	02-06	2200	.87	2.2	03-31	2300	.95	2.4
01-24	2200	2.94	8.7	02-06	2300	.86	2.0				
01-24	2300	2.82	6.7								

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862108 BEASLEY LAKE TRIBUTARY NO 1 NEAR INDIANOLA, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Ending time	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	AMINO-METHYL-PHOS-PHONIC ACID, WAT FLT (UG/L) (62649)	GLUFO-SINATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62721)	GLYPHO-SATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62722)
DEC 13-13	1558	2030	.10	E1.1	.26	<.010	.47	E.67	5.0	1.1	<.1	.5
JAN 23-23	0249	1226	.05	1.7	.26	<.010	.35	.66	4.8	1.4	<.1	1.1
JAN 24-25	0653	1928	.06	1.3	.10	<.010	.20	.48	2.8	.8	<.1	.2
JAN 31-FEB 01	1742	0208	.08	2.1	.30	<.010	.36	.92	6.2	1.2	<.1	.2
FEB 06-06	0117	1214	.03	.90	.16	<.010	.29	.56	4.2	1.1	<.1	.3
FEB 19-20	2040	1738	.02	1.3	.24	<.010	.32	.60	5.2	1.1	<.1	.4
MAR 20-20	0515	1941	.04	1.9	.13	.010	.35	.81	9.6	2.0	<.1	.5
MAR 30-31	2136	0745	.03	1.7	.22	.010	.26	.66	6.6	1.9	<.1	.5
APR 08-08	1110	2301	.03	1.5	.09	<.010	.37	.74	7.1	3.4	<.1	99.0
APR 29-29	0030	0050	--	--	--	--	--	--	--	--	--	--
MAY 10-10	0904	1310	--	--	--	--	--	--	--	--	--	--
JUL 24-24	0818	1134	--	--	--	--	--	--	--	--	--	--
SEP 26-27	1117	1302	.06	2.1	.78	.010	.26	1.90	5.3	--	--	--

Date	Time	Ending time	SEDI-MENT, SUS-PENDED (MG/L) (80154)
DEC 13-13	1558	2030	135
JAN 23-23	0249	1226	258
JAN 24-25	0653	1928	244
JAN 31-FEB 01	1742	0208	410
FEB 06-06	0117	1214	153
FEB 19-20	2040	1738	233
MAR 20-20	0515	1941	313
MAR 30-31	2136	0745	356
APR 08-08	1110	2301	191
APR 29-29	0030	0050	989
MAY 10-10	0904	1310	201
JUL 24-24	0818	1134	163
SEP 26-27	1117	1302	1890

Remark codes:
< -- Less than
E -- Estimated value

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862210 BROWNS BAYOU TRIBUTARY NO 3 NEAR INVERNESS, MS

LOCATION.--Lat 33°21'02", long 90°30'08", in NW¼ SW¼ sec.3, T.17 N., R.3 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, on tributary approximately 300 ft upstream of Thighman Lake, approximately 6 mi south of Moorhead, 0.2 mi west of Three Mile Lake, and 5 mi east of Inverness.

DRAINAGE AREA.--0.02 mi^2 (14.4 acres).

PERIOD OF RECORD.--Water years 1996 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 110.89 ft above NGVD of 1929. Automatic pumping water-quality and sediment samplers since April 1996.

REMARKS.--No estimated discharges. Discharge records fair. Discharges during summer months may be due to irrigation. Unpublished records of gage height and discharge during selected storm events are available in files of District office. Occasionally, records of gage height and discharge were not computed due to backwater or malfunction of the instruments.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge not determined due to overtopping of berm, Apr. 1, 2000, gage height 2.52 ft at time of overtopping, maximum gage height, 2.52 ft, Apr. 1, 2000; no flow for many days during each year.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 17 ft^3/s, Nov. 29, gage height, 2.36 ft; no flow for many days during year.

SELECTED RUNOFF EVENTS, 2002 WATER YEAR

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
02-19	2045	0.10	0.03	04-08	0330	0.06	--	07-12	1300	0.18	0.08
02-19	2100	.56	.71	04-08	0400	.67	1.0	07-12	1330	.40	.36
02-19	2115	1.20	3.6	04-08	0430	.33	.25	07-12	1400	.47	.50
02-19	2130	1.58	6.6	04-08	0500	.28	.19	07-12	1500	.68	1.1
02-19	2145	1.68	7.7	04-08	0600	.43	.42	07-12	1600	.68	1.1
02-19	2200	1.68	7.7	04-08	0700	.40	.36	07-12	1630	.70	1.1
02-19	2215	1.60	6.8	04-08	1000	.33	.25	07-12	1700	.71	1.2
02-19	2230	1.47	5.6	04-08	1100	.59	.79	07-12	1730	.72	1.2
02-19	2315	1.15	3.3	04-08	1130	1.08	2.9	07-12	1800	.73	1.2
02-19	2330	1.12	3.1	04-08	1200	1.14	3.2	07-12	1830	.73	1.2
02-19	2345	1.05	2.7	04-08	1230	1.23	3.8	07-12	1900	.74	1.3
02-20	0000	.96	2.2	04-08	1300	1.28	4.1	07-12	1915	.69	1.1
02-20	0030	.83	1.6	04-08	1330	1.40	5.1	07-12	1930	.41	.38
02-20	0100	.74	1.3	04-08	1345	1.42	5.2	07-12	1945	.27	.17
02-20	0200	.59	.79	04-08	1400	1.38	4.9	07-12	2000	.21	.11
02-20	0300	.50	.56	04-08	1430	1.33	4.5	07-12	2015	.17	.08
02-20	0400	.44	.43	04-08	1530	.99	2.4				
02-20	0500	.38	.33	04-08	1700	.74	1.3				
02-20	0600	.34	.27	04-08	2000	.52	.61				
02-20	0700	.30	.21	04-08	2300	.39	.34				

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862210 BROWNS BAYOU TRIBUTARY NO 3 NEAR INVERNESS, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Ending time	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	AMINO-METHYL-PHOS-PHONIC ACID, WAT FLT (UG/L) (62649)	GLUFO-SINATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62721)	GLYPHO-SATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62722)
NOV 27-27	0255	1951	.02	E2.5	4.00	.020	.06	E.48	9.7	<.1	<.1	.6
NOV 28-29	1812	0512	.03	E3.0	1.10	.010	.04	E.83	9.0	<.1	<.1	.4
DEC 12-12	1314	1812	.09	E2.6	.32	<.010	.05	E.63	6.4	<.1	<.1	<.1
DEC 17-17	0311	0604	.03	E3.2	.21	<.010	.04	E1.80	6.8	<.1	<.1	.1
DEC 22-23	2110	0111	--	--	--	--	--	--	--	--	--	--
JAN 19-19	0631	0847	--	--	--	--	--	--	--	--	--	--
JAN 22-22	2244	2317	--	--	--	--	--	--	--	--	--	--
JAN 24-24	0634	1258	.05	4.6	.58	<.010	.02	1.10	3.0	<.1	<.1	<.1
FEB 06-06	0235	0419	.02	2.8	.65	<.010	.02	.72	2.7	<.1	<.1	<.1
FEB 19-20	2109	0103	.02	9.1	.70	<.010	.03	1.80	5.7	<.1	<.1	<.1
MAR 12-12	0237	0347	.14	19	.65	.010	.03	5.00	6.6	<.1	<.1	<.1
MAR 15-15	1846	1852	--	--	--	--	--	--	--	--	--	--
MAR 16-16	0128	0418	.04	9.5	.57	<.010	.02	2.70	7.0	.2	<.1	.3
MAR 20-20	0510	0542	--	--	--	--	--	--	--	--	--	--
MAR 20-20	1148	1434	.10	4.8	.37	<.010	.01	1.30	8.3	<.1	<.1	.4
MAR 26-26	0119	0157	--	--	--	--	--	--	--	--	--	--
MAR 30-31	2139	0537	.03	6.2	.47	<.010	.02	1.40	4.3	<.1	<.1	<.1
APR 08-08	1107	1709	.04	3.9	.94	<.010	.03	1.10	5.9	<.1	<.1	<.1
APR 28-29	2349	0006	--	--	--	--	--	--	--	--	--	--
MAY 10-10	0803	0820	--	--	--	--	--	--	--	--	--	--
JUL 12-12	1806	1816	--	--	--	--	--	--	--	--	--	--
SEP 26-27	1134	0634	.01	1.2	2.10	.010	.35	.50	4.9	--	--	--

Remark codes:
< -- Less than
E -- Estimated value

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862210 BROWNS BAYOU TRIBUTARY NO 3 NEAR INVERNESS, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

Date	Time	Ending time	SEDI- MENT, SUS- PENDED (MG/L) (80154)
NOV 27-27	0255	1951	574
NOV 28-29	1812	0512	1300
DEC 12-12	1314	1812	934
DEC 17-17	0311	0604	3910
DEC 22-23	2110	0111	2830
JAN 19-19	0631	0847	1480
JAN 22-22	2244	2317	2680
JAN 24-24	0634	1258	2020
FEB 06-06	0235	0419	957
FEB 19-20	2109	0103	3850
MAR 12-12	0237	0347	15500
MAR 15-15	1846	1852	7710
MAR 16-16	0128	0418	11400
MAR 20-20	0510	0542	6040
MAR 20-20	1148	1434	2040
MAR 26-26	0119	0157	4840
MAR 30-31	2139	0537	2940
APR 08-08	1107	1709	2750
APR 28-29	2349	0006	5670
MAY 10-10	0803	0820	4570
JUL 12-12	1806	1816	199
SEP 26-27	1134	0634	167

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862210 BROWNS BAYOU TRIBUTARY NO 3 NEAR INVERNESS, MS--Continued

DISCRETE SAMPLE DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
NOV			
27...	0253	1.2	2220
27...	0415	1.8	928
27...	0521	2.7	800
27...	0619	3.0	739
27...	0720	2.1	592
27...	0835	2.5	555
27...	0935	2.7	528
27...	1032	3.0	481
27...	1126	3.0	433
27...	1217	3.3	412
27...	1303	3.3	395
27...	1350	3.5	401
27...	1436	3.3	358
27...	1527	2.9	323
27...	1631	2.2	302
27...	1754	1.7	269
27...	1950	1.3	223
DEC			
07...	0621	1.2	915
12...	1313	1.2	1320
12...	1349	5.2	1550
12...	1416	6.2	1370
12...	1442	5.7	1010
12...	1514	4.1	762
12...	1605	2.4	516
12...	1728	1.6	377
12...	1809	1.2	336
12...	2247	1.2	3310
12...	2312	9.0	3800
12...	2328	10	3060
12...	2343	9.5	1790
13...	0001	8.1	1140
13...	0023	6.5	950
13...	0049	5.4	864
13...	0123	3.9	756
13...	0214	2.6	697
13...	0334	1.6	485
13...	0416	1.2	440
13...	0912	1.2	401
13...	1048	1.4	373
13...	1226	1.9	519
13...	1355	3.3	986
17...	0310	1.1	9930
17...	0332	6.7	5040
17...	0357	5.3	3090
17...	0441	2.6	1750
17...	0603	1.4	1000
22...	2117	1.3	6900
22...	2154	4.0	3080
22...	2259	1.3	1540
23...	0048	1.2	1080
23...	0108	1.2	963
JAN			
05...	2306	1.3	1080
05...	2357	2.7	9170
06...	0110	1.9	34100
06...	0231	1.7	18200
06...	1849	1.2	1910
19...	0630	1.2	2040
19...	0726	1.3	1650
19...	0846	1.2	843
22...	2241	1.3	3440
24...	0634	1.5	8260
24...	0707	7.6	4440
24...	0725	9.2	3170
24...	0741	10	2520
24...	0756	11	2140
24...	0810	10	1800
24...	0825	10	1700
24...	0841	10	1590
24...	0856	9.6	1580
24...	0912	11	1650
24...	0926	12	2150
24...	0939	12	1760
24...	0952	12	1610
24...	1005	12	1590
24...	1018	12	1360
24...	1031	11	1270
JAN			
24...	1045	11	1210
24...	1100	9.5	1120
24...	1118	8.3	1170
24...	1137	8.8	1500
24...	1153	9.6	1890
24...	1209	9.6	1820
24...	1226	9.3	1730
24...	1243	8.1	1400
FEB			
06...	0234	1.2	1210
06...	0322	1.2	940
19...	2108	1.3	4030
19...	2137	7.3	2820
19...	2157	7.7	2150
19...	2219	6.6	2010
19...	2248	3.9	1910
19...	2336	3.0	1430
20...	0100	1.3	21200
MAR			
12...	0236	1.3	2390
12...	0324	3.0	1470
12...	0355	1.2	72500
15...	1845	1.3	16900
16...	0127	1.6	11000
16...	0151	8.2	4920
16...	0211	7.0	3160
16...	0239	3.9	2440
16...	0346	1.5	31300
16...	0416	1.2	40500
20...	0509	1.4	10200
20...	1147	1.3	3790
20...	1236	3.5	2240
20...	1337	2.4	1770
20...	1429	1.2	1320
20...	1434	1.2	1230
20...	1436	1.2	1380
20...	1533	2.4	1840
20...	1709	1.7	1190
20...	1839	1.6	941
20...	1921	1.2	877
26...	0118	1.5	7840
26...	0156	2.7	2990
30...	2139	1.4	4080
30...	2236	1.4	2550
30...	2304	7.6	3000
30...	2325	6.9	2100
30...	2356	2.4	1630
31...	0110	1.7	8930
31...	0136	5.1	2680
31...	0208	5.3	2110
31...	0237	5.2	1510
31...	0315	2.9	1330
31...	0412	3.7	1290
31...	0505	1.9	1120
APR			
08...	1107	1.3	2250
08...	1150	3.0	1610
08...	1236	3.9	1500
08...	1314	4.5	1460
08...	1346	5.1	1310
08...	1418	4.7	1110
08...	1456	3.3	1040
08...	1559	1.9	4520
08...	1706	1.2	1140
28...	2349	1.7	8170
MAY			
10...	0803	1.4	4340
JUL			
12...	1806	1.2	182
12...	1809	1.2	132
12...	1812	1.2	119
12...	1817	1.2	123
12...	1819	1.2	121
12...	1821	1.2	115
14...	1952	1.2	3390
14...	1957	1.2	2900
19...	1831	1.2	6330

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862211 BROWNS BAYOU NEAR INVERNESS, MS

LOCATION.--Lat 33°21'28", long 90°30'37", in NW¼ SE¼ sec.4, T.17 N., R.3 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, 30 ft downstream of Columbia Gulf gas line, approximately 5.5 mi south of Moorhead, 0.7 mi west of Three Mile Lake, and 5 mi east of Inverness.

DRAINAGE AREA.--2.3 mi^2 (1,470 acres).

PERIOD OF RECORD.--Water years 1996 to current year.

INSTRUMENTATION.--Water-stage recorder. Datum of gage is 103.41 ft above NGVD of 1929. Automatic pumping water-quality and sediment samplers since April 1996.

REMARKS.--Discharges during summer months may be due to irrigation. Unpublished records of gage height and discharge during selected storm events are available in files of District office. Occasionally, records of gage height and discharge were not computed due to backwater or malfunction of the instruments.
WATER YEAR 1997: No estimated discharges. Discharge records fair for published events.
WATER YEAR 1998: No estimated discharges. Discharge records fair for published events.
WATER YEAR 1999: No estimated discharges. Discharge records fair for published events.
WATER YEAR 2000: No estimated discharges. Discharge records fair for published events.
WATER YEAR 2001: No estimated discharges. Discharge records fair for published events.
WATER YEAR 2002: No estimated discharges. Discharge records fair for published events.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 247 ft^3/s, Apr. 2, 2000, gage height, 6.45 ft, maximum gage height 6.59 ft, Nov. 28, 2001; no flow for many days during each year.

EXTREMES FOR CURRENT YEAR.--
WATER YEAR 1997: Maximum discharge 136 ft^3/s, Mar. 2, gage height, 5.35 ft, maximum gage height 5.39 ft, Mar. 2; no flow for many days during year.
WATER YEAR 1998: Maximum discharge 61 ft^3/s, Mar. 7, gage height, 3.78 ft, maximum gage height 5.62 ft, May 29; no flow for many days during year.
WATER YEAR 1999: Maximum discharge 129 ft^3/s, Jan. 29, gage height, 5.32 ft, maximum gage height 5.37 ft, Jan. 29; no flow for many days during year.
WATER YEAR 2000: Maximum discharge 247 ft^3/s, Apr. 2, gage height, 6.45 ft, maximum gage height 6.46 ft, Apr. 2; no flow for many days during year.
WATER YEAR 2001: Maximum discharge 139 ft^3/s, Jan. 19, gage height, 5.01 ft, maximum gage height 5.35 ft, Jan. 19; no flow for many days during year.
WATER YEAR 2002: Maximum discharge 162 ft^3/s, Jan. 24, gage height, 5.94 ft, maximum gage height 6.59 ft, Nov. 28; no flow for many days during year.

SELECTED RUNOFF EVENTS, 1997 WATER YEAR

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-27	2030	1.39	--	03-18	1900	0.66	--	04-05	0830	0.73	0.11
01-27	2100	1.78	--	03-18	2000	1.13	--	04-05	0900	1.09	1.8
01-27	2200	2.53	8.1	03-18	2100	1.61	2.8	04-05	1000	2.08	24
01-27	2300	3.24	42	03-18	2200	1.97	20	04-05	1100	2.60	48
01-28	0000	3.73	78	03-18	2300	2.14	31	04-05	1200	2.82	58
01-28	0100	4.04	94	03-19	0000	2.25	33	04-05	1300	2.90	64
01-28	0200	4.27	104	03-19	0100	2.29	35	04-05	1400	2.91	67
01-28	0300	4.45	113	03-19	0200	2.29	35	04-05	1500	2.87	65
01-28	0400	4.55	114	03-19	0300	2.27	33	04-05	1600	2.80	60
01-28	0500	4.62	116	03-19	0400	2.24	30	04-05	1700	2.72	58
01-28	0600	4.67	116	03-19	0500	2.20	25	04-05	1800	2.62	49
01-28	0700	4.68	119	03-19	0800	2.12	--	04-05	1900	2.52	46
01-28	0800	4.67	111	03-19	1000	2.05	--	04-05	2000	2.42	41
01-28	0900	4.63	111	03-19	1200	1.97	9.8	04-05	2100	2.33	36
01-28	1000	4.58	100	03-19	1400	1.87	--	04-05	2200	2.24	30
01-28	1200	4.46	89	03-19	1600	1.79	--	04-05	2300	2.16	28
01-28	1400	4.32	74	03-19	1800	1.71	--	04-06	0000	2.09	25
01-28	1600	4.16	60	03-19	2000	1.63	6.3	04-06	0100	2.02	21
01-28	2000	3.80	24	03-19	2200	1.56	5.7	04-06	0400	1.86	15
01-28	2245	3.58	22					04-06	0600	1.76	12
01-29	0600	3.10	--								
01-29	1300	2.71	11								
01-29	1800	2.46	12								
01-29	2100	2.32	8.6								

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862211 BROWNS BAYOU NEAR INVERNESS, MS--Continued

SELECTED RUNOFF EVENTS, 1998 WATER YEAR

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
02-15	1200	1.33	0.74	03-07	1000	0.52	1.8	07-13	0500	1.16	3.0
02-15	1600	1.34	2.0	03-07	1200	1.29	17	07-13	0600	1.40	5.1
02-15	2300	1.89	3.8	03-07	1300	1.69	31	07-13	0800	1.68	.63
02-16	0000	2.02	13	03-07	1500	2.20	39	07-13	0900	1.76	5.8
02-16	0045	2.10	23	03-07	1700	2.59	42	07-13	1100	1.85	16
02-16	0200	2.23	20	03-07	1900	3.05	52	07-13	1400	2.02	25
02-16	0400	2.42	17	03-07	2100	3.46	53	07-13	1500	2.04	17
02-16	0600	2.54	9.8	03-07	2245	3.78	61	07-13	1600	2.06	21
02-16	0800	2.58	11	03-08	0100	4.03	42	07-13	1800	2.08	22
02-16	1000	2.56	4.5	03-08	0300	4.13	34	07-13	1900	2.08	23
02-16	1200	2.51	6.0	03-08	0600	4.18	17	07-13	2100	2.07	29
02-16	1400	2.45	5.6	03-08	0900	4.13	9.0	07-13	2300	2.05	31
02-16	1600	2.38	8.4	03-08	1200	4.00	8.1	07-14	0100	2.02	29
02-16	0800	2.31	5.8	03-08	1500	3.85	6.9	07-14	0400	1.97	26
02-16	2100	2.26	18	03-08	1800	3.72	1.6	07-14	0500	1.95	31
02-16	2300	2.58	12	03-08	2100	3.58	7.1	07-14	0600	1.92	28
02-17	0100	2.84	7.4	03-09	0000	3.43	4.0	07-14	0800	1.88	25
02-17	0300	2.96	5.6	03-09	0600	3.12	.43	07-14	1200	1.80	21
02-17	0500	2.99	5.4	03-09	1200	2.80	5.8	07-14	1800	1.65	16
02-17	1000	2.90	3.1	03-09	1800	2.46	1.4	07-15	0000	1.50	16
02-17	1600	2.74	2.0	03-10	0000	2.14	3.3	07-15	1200	1.23	11
02-17	2200	2.56	.32	03-10	1200	1.59	.44	07-15	1800	1.10	8.4
02-18	0000	2.48	.84					07-16	0000	1.00	6.6
02-18	0600	2.24	.26					07-16	1200	.81	4.9
02-18	1200	2.00	2.2					07-16	1800	.71	3.2
02-18	1800	1.82	.37								

SELECTED RUNOFF EVENTS, 1999 WATER YEAR

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
11-14	0300	0.51	0.14	01-08	0000	0.98	4.4	03-13	0000	1.43	2.1
11-14	0500	.96	.72	01-08	0300	1.06	6.7	03-13	0200	1.70	10
11-14	0700	1.11	.75	01-08	0600	1.16	9.6	03-13	0400	1.90	18
11-14	0900	1.05	.86	01-08	0900	1.44	14	03-13	0600	2.20	19
11-14	1100	1.15	4.4	01-08	1100	1.66	22	03-13	0800	2.46	24
11-14	1300	1.44	9.2	01-08	1300	1.89	27	03-13	1000	2.80	24
11-14	1500	1.92	11	01-08	1500	2.05	30	03-13	1200	3.26	50
11-14	1700	2.24	23	01-08	1700	2.13	35	03-13	1300	3.40	59
11-14	1900	2.44	33	01-08	1900	2.36	32	03-13	1400	3.52	58
11-14	2100	2.56	34	01-08	2100	2.82	41	03-13	1500	3.62	58
11-14	2300	2.61	33	01-08	2300	3.52	59	03-13	1600	3.70	61
11-15	0000	2.62	40	01-09	0100	3.90	74	03-13	1700	3.77	62
11-15	0100	2.62	35	01-09	0300	4.15	83	03-13	1800	3.82	61
11-15	0300	2.60	32	01-09	0500	4.30	87	03-13	2000	3.92	44
11-15	0500	2.55	30	01-09	0200	4.35	83	03-13	2200	4.02	55
11-15	0700	2.48	27	01-09	0900	4.31	80	03-14	0000	4.07	53
11-15	0900	2.42	26	01-09	1100	4.21	67	03-14	0200	4.05	47
11-15	1100	2.34	23	01-09	1300	4.09	57	03-14	0400	3.98	24
11-15	1300	2.27	22	01-09	1500	3.96	34	03-14	0600	3.90	27
11-15	1500	2.20	20	01-09	1700	3.82	30	03-14	0800	3.82	39
11-15	1700	2.12	19	01-09	1900	3.68	15	03-14	1000	3.72	30
11-15	1900	2.05	17	01-09	2100	3.52	2.3	03-14	1200	3.63	19
11-15	2100	1.97	16					03-14	1600	3.42	12
11-15	2300	1.90	14					03-14	2000	3.22	12
11-16	0100	1.83	13					03-14	2300	3.06	2.6
11-16	0700	1.64	9.9								
11-16	1300	1.46	7.6								

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862211 BROWNS BAYOU NEAR INVERNESS, MS--Continued

SELECTED RUNOFF EVENTS, 2000 WATER YEAR

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
03-10	0800	1.23	1.1	04-01	1900	2.88	11	05-04	1900	1.39	6.7
03-10	1000	1.19	1.6	04-01	2100	4.60	68	05-04	2015	1.53	11
03-10	1200	1.18	1.4	04-01	2300	5.19	96	05-04	2100	1.64	16
03-10	1400	1.26	1.5	04-02	0000	5.49	126	05-04	2130	1.69	18
03-10	1600	1.43	3.8	04-02	0300	6.13	170	05-04	2200	1.74	19
03-10	1800	1.88	2.0	04-02	0500	6.30	241	05-04	2230	1.77	20
03-10	2000	2.39	18	04-02	0700	6.39	242	05-04	2300	1.79	19
03-10	2200	2.66	29	04-02	0845	6.45	247	05-04	2330	1.80	20
03-11	0000	2.75	35	04-02	0900	6.45	243	05-05	0000	1.80	20
03-11	0200	2.89	27	04-02	1100	6.44	199	05-05	0030	1.80	21
03-11	0400	3.07	38	04-02	1500	6.42	173	05-05	0100	1.80	20
03-11	0445	3.11	39	04-02	1900	6.36	132	05-05	0130	1.78	20
03-11	0600	3.16	36	04-03	0000	6.26	110	05-05	0200	1.77	19
03-11	0800	3.14	33	04-03	0400	6.18	70	05-05	0230	1.75	19
03-11	1000	3.10	24	04-03	0800	6.38	144	05-05	0300	1.73	18
03-11	1200	3.03	20	04-03	1200	6.36	105	05-05	0330	1.71	17
03-11	1400	2.95	14	04-03	1600	6.33	86	05-05	0400	1.70	15
03-11	1600	2.88	14	04-03	2000	6.26	95	05-05	0500	1.64	13
03-11	1800	2.80	11	04-03	2300	6.19	62	05-05	0600	1.61	11
03-11	2000	2.72	10	04-04	0500	5.99	44	05-05	0700	1.56	10
03-11	2200	2.65	9.3	04-04	1000	5.81	38	05-05	0800	1.49	7.6
				04-04	1500	5.60	36				
				04-04	2000	5.39	48				
				04-05	0000	5.17	53				
				04-05	0600	4.81	23				
				04-05	1200	4.40	19				
				04-05	1800	4.11	13				

SELECTED RUNOFF EVENTS, 2001 WATER YEAR

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
02-12	0900	1.49	13	03-12	0600	0.88	0.19	06-27	1600	1.57	3.6
02-12	1000	1.86	14	03-12	0700	1.18	2.1	06-27	1700	1.61	5.6
02-12	1100	2.11	27	03-12	0800	1.69	3.3	06-27	1800	1.68	8.5
02-12	1200	2.30	42	03-12	0900	2.38	6.6	06-27	1830	1.72	12
02-12	1300	2.52	47	03-12	1000	3.15	37	06-27	1900	1.78	23
02-12	1400	2.76	60	03-12	1100	3.63	75	06-27	2000	1.91	26
02-12	1500	3.08	58	03-12	1200	3.90	94	06-27	2100	1.97	30
02-12	1600	3.42	70	03-12	1300	4.03	104	06-27	2130	1.99	30
02-12	1700	3.69	93	03-12	1400	4.08	103	06-27	2200	2.00	28
02-12	1800	3.93	96	03-12	1500	4.09	103	06-27	2230	2.00	26
02-12	1900	4.11	101	03-12	1600	4.08	93	06-27	2300	2.00	29
02-12	2000	4.22	95	03-12	1700	4.03	78	06-27	2330	1.99	27
02-12	2100	4.28	90	03-12	1800	3.97	69	06-28	0000	1.98	23
02-12	2200	4.32	108	03-12	1900	3.89	78	06-28	0100	1.96	25
02-13	0000	4.32	92	03-12	2000	3.79	66	06-28	0200	1.92	22
02-13	0200	4.27	79	03-12	2100	3.67	56	06-28	0300	1.87	20
02-13	0500	4.15	77	03-12	2200	3.55	47	06-28	0400	1.82	21
02-13	0700	4.04	68	03-12	2300	3.44	44	06-28	0500	1.76	20
02-13	0900	3.89	61	03-13	0000	3.34	34	06-28	0600	1.70	13
02-13	1100	3.74	32	03-13	0200	3.17	25	06-28	0700	1.65	13
02-13	1300	3.57	30	03-13	0400	3.02	27	06-28	1000	1.50	8.2
02-13	1500	3.42	25	03-13	0600	2.87	21	06-28	1410	1.39	4.8
02-13	1700	3.28	18	03-13	0800	2.74	20				
02-13	2200	2.97	16	03-13	1000	2.60	17				
02-14	0401	2.59	11	03-13	1200	2.46	15				
02-14	0800	2.36	11	03-13	1600	2.20	13				
02-14	1200	2.13	10	03-13	2000	1.97	11				
02-14	1800	1.81	8.4	03-14	0000	1.76	6.7				
02-14	2300	1.57	3.5	03-14	0600	1.46	2.6				
				03-14	1200	1.24	1.1				

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862211 BROWNS BAYOU NEAR INVERNESS, MS--Continued

SELECTED RUNOFF EVENTS, 2002 WATER YEAR

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
10-12	1000	1.57	2.1	01-24	0500	1.73	1.5	03-30	2000	1.30	1.7
10-12	2000	1.67	2.0	01-24	0700	2.16	5.7	03-31	0000	2.22	5.3
10-13	0000	1.71	1.8	01-24	0900	3.75	52	03-31	0100	2.40	23
10-13	1200	2.02	.51	01-24	1100	4.81	97	03-31	0200	2.85	34
10-13	1400	2.07	4.0	01-24	1300	5.44	121	03-31	0300	3.20	51
10-13	1600	2.08	6.1	01-24	1500	5.78	155	03-31	0400	3.44	63
10-13	1800	2.07	7.3	01-24	1700	5.94	162	03-31	0500	3.62	69
10-13	2000	2.06	10	01-24	1900	5.99	157	03-31	0600	3.72	75
10-13	2200	2.06	11	01-24	2100	5.99	149	03-31	0700	3.76	75
10-14	0000	2.07	12	01-24	2300	5.94	134	03-31	0800	3.78	76
10-14	0200	2.07	13	01-25	0100	5.88	134	03-31	0900	3.78	69
10-14	0400	2.07	15	01-25	0300	5.82	108	03-31	1000	3.78	67
10-14	0600	2.07	13	01-25	0500	5.74	102	03-31	1200	3.74	62
10-14	0800	2.05	13	01-25	0700	5.66	97	03-31	1400	3.67	52
10-14	1200	2.00	10	01-25	0900	5.58	98	03-31	1600	3.57	48
10-14	1600	1.97	8.7	01-25	1100	5.49	80	03-31	1800	3.45	41
10-14	1800	1.96	8.2	01-25	1500	5.30	65	03-31	2000	3.29	34
10-14	2000	1.95	7.8	01-25	1800	5.14	67	03-31	2200	3.12	28
10-15	0000	1.93	6.2	01-26	0000	4.68	57	04-01	0000	2.96	19
10-15	0400	1.92	4.7	01-26	0600	4.13	34	04-01	0400	2.68	15
10-15	0800	1.90	6.1	01-26	1200	3.66	20	04-01	0800	2.42	11
10-15	1100	1.89	.93	01-26	1800	3.26	15	04-01	1200	2.17	8.2
				01-27	0000	2.87	14	04-01	1600	1.95	7.4
				01-27	0600	2.49	4.6	04-01	2000	1.72	2.4
				01-27	1200	2.16	6.2				

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Ending time	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	AMINO-METHYL-PHOS-PHONIC ACID, WAT FLT (UG/L) (62649)
OCT 12-15	1312	0808	.13	E1.7	.32	.020	.09	.20	13.0	--	--	--
NOV 27-28	0215	0947	.65	E3.5	.78	.030	.14	E.34	15.0	<.050	<.05	.5
NOV 28-28	1341	1939	.10	E1.5	1.80	.080	.21	E.38	13.0	--	--	.3
DEC 12-17	1316	1242	.28	E1.8	.24	.010	.09	E.34	6.6	<.050	<.05	.2
DEC 22-23	2357	0233	--	--	--	--	--	--	--	--	--	--
JAN 24-27	0658	0915	.10	2.0	.24	<.010	.05	.42	3.5	--	--	.2
JAN 31-31	1751	1813	--	--	--	--	--	--	--	--	--	--
FEB 06-06	0241	2323	.16	2.2	.38	.010	.04	.43	5.2	--	--	.3
FEB 19-21	2132	0523	.11	2.4	.41	<.010	.05	.46	5.3	<.050	<.05	--
MAR 12-12	0406	1615	.54	4.4	1.50	.020	.06	.44	7.2	<.050	<.05	--
MAR 16-17	0155	0115	.69	4.5	1.50	.050	.07	.94	6.1	<.050	<.05	.7
MAR 20-21	0724	1139	.57	3.0	1.90	.060	.09	.61	6.7	<.050	<.05	--
MAR 30-APR 01	2310	1409	.37	3.2	1.50	.040	.07	.62	4.3	--	--	.7
APR 08-09	0738	1905	1.20	4.3	3.70	.060	.11	.60	9.0	<.050	<.05	--
APR 29-29	0311	0356	--	--	--	--	--	--	--	--	--	--
JUL 20-20	1000	1151	--	--	--	--	--	--	--	--	--	--
JUL 20-20	1851	2351	--	--	--	--	--	--	--	--	--	--
SEP 27-30	0531	0335	.11	1.7	1.60	.030	.31	.56	9.0	--	--	--

Remark codes:
- < -- Less than
- E -- Estimated value

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862211 BROWNS BAYOU NEAR INVERNESS, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

Date	ANILINE 3-(TRI FLURO- METHYL) FILT, REC, (UG/L) (50307)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	CYANA- ZINE- AMIDE WATER FLTRD REC (UG/L) (61709)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DEISO- PROPYL- METRYN WATER FLTRD REC (UG/L) (50378)	DEMETH- YLFLUO- METURON WATER FLTRD REC (UG/L) (50379)	DEMETH- YLNORF- LURAZON WATER FLTRD REC (UG/L) (50380)	FLUO- MET- URON WATER FLTRD REC (UG/L) (61710)	GLUFO- SINATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62721)	GLYPHO- SATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62722)
OCT 12-15	--	--	--	--	--	--	--	--	--	--	--	--
NOV 27-28	<.050	<.05	<.05	<.05	<.05	<.05	<.050	<.050	<.050	<.050	<.1	.2
NOV 28-28	--	--	--	--	--	--	--	--	--	--	<.1	.4
DEC 12-17	<.050	<.05	<.05	<.05	<.05	<.05	<.050	<.050	<.050	<.050	<.1	.4
DEC 22-23	--	--	--	--	--	--	--	--	--	--	--	--
JAN 24-27	--	--	--	--	--	--	--	--	--	--	<.1	.2
JAN 31-31	--	--	--	--	--	--	--	--	--	--	--	--
FEB 06-06	--	--	--	--	--	--	--	--	--	--	<.1	.2
FEB 19-21	<.050	<.05	<.05	<.05	<.05	<.05	<.050	<.050	<.050	<.050	--	--
MAR 12-12	<.050	23.0	<.05	<.05	.32	.08	<.050	<.050	<.050	<.050	--	--
MAR 16-17	<.050	16.0	.05	<.05	.66	.22	<.050	<.050	.120	<.050	<.1	.5
MAR 20-21	<.050	13.0	.05	<.05	1.26	.44	<.050	<.050	<.050	<.050	--	--
MAR 30- APR 01	--	--	--	--	--	--	--	--	--	--	<.1	2.1
APR 08-09	<.050	37.0	.06	<.05	1.03	.33	<.050	<.050	<.050	<.050	--	--
APR 29-29	--	--	--	--	--	--	--	--	--	--	--	--
JUL 20-20	--	--	--	--	--	--	--	--	--	--	--	--
JUL 20-20	--	--	--	--	--	--	--	--	--	--	--	--
SEP 27-30	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes:
< -- Less than

MISSISSIPPI DELTA MANAGEMENT SYSTEMS EVALUATION AREA STUDY--Continued

0728862211 BROWNS BAYOU NEAR INVERNESS, MS--Continued

COMPOSITE SAMPLE DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

Date	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOLI- NATE WATER FLTRD REC (UG/L) (50375)	NORFLU- RAZONE WATER FLTRD REC (UG/L) (50332)	PENDI- METH- ALIN WATER FLTRD REC (UG/L) (50376)	PRO- METRYN, WATER, DISS, REC (UG/L) (04036)	PROP- ANIL WATER FLTRD REC (UG/L) (50377)	PROP- AZINE WATER DISS REC (UG/L) (38535)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TRI- FLUR- ALIN WATER, DISS, REC (UG/L) (38574)	UREA, 3-TRI- FLUORO- METHYL- PHENYL UNFLTRD (UG/L) (50473)	SEDI- MENT, SUS- PENDED (MG/L) (80154)
OCT 12-15	--	--	--	--	--	--	--	--	--	--	--	44
NOV 27-28	<.05	<.05	<.05	<.05	<.050	<.05	<.05	<.05	<.05	<.05	<.050	172
NOV 28-28	--	--	--	--	--	--	--	--	--	--	--	236
DEC 12-17	<.05	<.05	<.05	<.05	<.050	<.05	<.05	<.05	<.05	<.05	<.050	294
DEC 22-23	--	--	--	--	--	--	--	--	--	--	--	535
JAN 24-27	--	--	--	--	--	--	--	--	--	--	--	584
JAN 31-31	--	--	--	--	--	--	--	--	--	--	--	132
FEB 06-06	--	--	--	--	--	--	--	--	--	--	--	478
FEB 19-21	<.05	<.05	<.05	<.05	<.050	<.05	<.05	<.05	<.05	<.05	<.050	732
MAR 12-12	<.05	2.38	<.05	<.05	<.050	<.05	<.05	.08	.11	<.05	<.050	296
MAR 16-17	.11	1.65	<.05	<.05	<.050	<.05	<.05	<.05	<.05	<.05	<.050	1190
MAR 20-21	<.05	1.12	<.05	<.05	<.050	<.05	<.05	.08	.06	<.05	<.050	664
MAR 30- APR 01	--	--	--	--	--	--	--	--	--	--	--	755
APR 08-09	<.05	4.59	<.05	<.05	<.050	<.05	<.05	.21	<.05	<.05	<.050	604
APR 29-29	--	--	--	--	--	--	--	--	--	--	--	439
JUL 20-20	--	--	--	--	--	--	--	--	--	--	--	78
JUL 20-20	--	--	--	--	--	--	--	--	--	--	--	106
SEP 27-30	--	--	--	--	--	--	--	--	--	--	--	213

Remark codes:
< -- Less than

DEER CREEK WATER-QUALITY SYNOPTIC STUDY

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

333554091045000 DEER CREEK AT STATE ROAD 1 AT SCOTT, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
03...	1045	14.23	--	10	113	--	--	--	--	--	--	8000
03...	1103	--	1.00	50	--	18	5.6	7.6	160	29.5	20.0	8000
03...	1107	--	1.00	50	--	18	6.7	8.0	159	30.0	40.0	8000
03...	1109	--	1.00	50	--	18	6.4	8.0	160	29.5	60.0	8000
03...	1111	--	1.00	50	--	19	6.3	8.0	159	29.5	80.0	8000
03...	1113	--	1.00	50	--	20	5.5	7.8	160	29.5	100	8000

07288730 DEER CREEK AT SCOTT, MS

Date	Time	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ACIDITY (MG/L AS H) (71825)
AUG												
28...	1338	--	22	5.3	7.3	159	29.5	--	--	--	--	--
SEP												
05...	1730	20	14	7.8	7.9	160	31.5	20.0	5.00	5.20	2.6	.1
06...	1300	--	17	4.4	7.2	167	29.5	--	--	--	--	--

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	77	2.20	.2	.50	16	102	.08	.90	1.6	.15	.04	.040
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN,PAR TICULTE WAT FLT SUSP (MG/L AS N) (49570)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, INORG + ORGANIC PARTIC. TOTAL (MG/L AS C) (00694)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	.010	.01	.67	.10	.10	.140	.24	4.1	8.4	5.1	17	200
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	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)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	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)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	61.0	<3	<1	72	<1	44	<.5	<1	<1	<2	9	<2
06...	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes:
< -- Less than

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

07288730 DEER CREEK AT SCOTT, MS--Continued

Date	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MERCURY DIS- SOLVED (UG/L AS HG) (71890)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO) (01060)	NICKEL, DIS- SOLVED (UG/L AS NI) (01065)	SELE- NIUM, DIS- SOLVED (UG/L AS SE) (01145)	SILVER, DIS- SOLVED (UG/L AS AG) (01075)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)	THAL- LIUM, DIS- SOLVED (UG/L AS TL) (01057)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)	2,4-D METHYL ESTER, WATER FLTRD REC (UG/L) (50470)	2,4-D, DIS- SOLVED (UG/L) (39732)
AUG 28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP 05...	5	<.10	<2	<1	<1	<1	78.0	<2	2	<2	<.009	<.02
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	3HYDRXY CARBO- FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	3-KETO CARBO- FURAN WATER FLTRD REC (UG/L) (50295)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	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)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	AMINO- METHYL- PHOS- PHONIC ACID, WAT FLT (UG/L) (62649)
AUG 28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP 05...	<.02	<.006	<.006	<2	<.006	<.007	<.004	<.02	<.008	<.04	<.005	1.1
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BENDIO- CARB, WATER FLTRD REC (UG/L) (50299)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BENOMYL WATER FLTRD REC (UG/L) (50300)	BEN- SUL- FURON METHYL WAT FLT REC (UG/L) (61693)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAF- FEINE, WATER FLTRD REC (UG/L) (50305)	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)
AUG 28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP 05...	.047	<.03	<.010	<.004	<.02	E.01	<.03	<.02	<.002	.272	<.03	<.041
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	CARBO- FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR- AMBEN, METHYL ESTER WATER FLTRD (UG/L) (61188)	CHLORI- MURON, WATER FLTRD REC (UG/L) (50306)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	CY- CLOATE, WATER, DISS, REC (UG/L) (04031)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)
AUG 28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP 05...	<.006	<.020	<.02	<.010	<.04	<.005	<.01	.489	<.01	<.01	<.003	E.021
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	DEETHYL DEISO- PROPYL ATRAZIN DISS, REC (UG/L) (04039)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIPHEN- AMID, WATER, DISS, REC (UG/L) (04033)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
AUG 28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP 05...	<.01	E.05	.011	<.01	<.01	<.005	<.01	<.03	<.02	.53	<.002	<.009
06...	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes:
< -- Less than
E -- Estimated value

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

07288730 DEER CREEK AT SCOTT, MS--Continued

Date	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FEN- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUMET- SULAM WATER FLTRD REC (UG/L) (61694)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	FONOFOS WATER DISS REC (UG/L) (04095)	GLUFO- SINATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62721)	GLYPHO- SATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62722)	HYDROXY ATRA- ZINE WATER FLTRD REC (UG/L) (50355)	IMAZ- AQUIN WATER FLTRD REC (UG/L) (50356)	IMAZE- THAPYR WATER FLTRD REC (UG/L) (50407)	IMID- ACLOP- RID WATER FLTRD REC (UG/L) (61695)	LINDANE DIS- SOLVED (UG/L) (39341)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	<.005	<.03	<.01	.12	<.003	<.1	.1	E.185	<.02	<.02	<.007	<.004
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METAL- AXYL WATER FLTRD REC (UG/L) (50359)	METHIO- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH- OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	<.01	E.034	.030	<.02	<.01	<.02	<.008	<.004	<.050	<.006	E.006	<.006
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	MET- SUL- FURON METHYL WAT FLT REC (UG/L) (61697)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NICOSUL FURON WATER FLTRD REC (UG/L) (50364)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY- ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	P,P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	<.03	<.002	<.007	<.01	<.01	E.01	<.02	<.01	<.003	<.010	<.004	<.022
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	PRO- PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROP- ICONA- ZOLE , WATER FLTRD REC (UG/L) (50471)	PRO- POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SIDURON WATER FLTRD REC (UG/L) (38548)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	<.006	<.011	<.02	E.01	<.006	<.010	<.011	<.02	<.010	<.02	<.008	<.02
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	SULFO- MET- RURON METHYL WTR FLT REC (UG/L) (50337)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL, WATER, DISS, REC (UG/L) (04032)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- BENURON METHYL WATER FLTRD (UG/L) (61159)	TRI- CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	UREA 3(4-CHLOR OPHENYL METHYL WAT FLT REC (UG/L) (61692)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	.007	<.009	<.02	<.010	<.034	<.02	<.005	<.002	--	<.02	<.009	<.02
06...	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes:
< -- Less than
E -- Estimated value

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

07288730 DEER CREEK AT SCOTT, MS--Continued

Date	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39333)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39351)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39383)	ENDOSULFAN I TOTAL IN BOTTOM MATERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39393)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) (39413)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) (39343)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG) (39758)	P,P'-DDD, RECOVER IN BOTTOM MATERIAL (UG/KG) (39363)	P,P'-DDE, RECOVER IN BOTTOM MATERIAL (UG/KG) (39368)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	<.3	<3	4.7	<.2	<5.3	<1.0	<.2	<.2	<2.5	<.2	140	210
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	P,P'-DDT, RECOVER IN BOTTOM MATERIAL (UG/KG) (39373)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) (39519)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39403)	SEDIMENT, SUSPENDED (MG/L) (80154)
AUG				
28...	--	--	--	--
SEP				
05...	<3.6	E15	<50	31
06...	--	--	--	--

333534091042000 DEER CREEK AT WEIR AT SCOTT, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAMPLING DEPTH (FEET) (00003)	SAMPLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TURBIDITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
03...	1130	15.88	--	10	32.0	--	--	--	--	--	--	8000
03...	1144	--	1.00	50	--	3.0	5.4	7.2	183	27.5	5.00	8000
03...	1146	--	1.00	50	--	3.3	4.0	7.1	182	27.5	10.0	8000
03...	1148	--	1.00	50	--	3.5	3.6	7.0	180	27.5	15.0	8000
03...	1150	--	1.00	50	--	3.9	3.5	7.0	180	28.0	20.0	8000
03...	1152	--	1.00	50	--	6.3	2.9	7.0	182	27.5	25.0	8000
03...	1156	--	1.00	50	--	5.3	3.4	7.0	180	27.5	30.0	8000

333447091023600 DEER CREEK SOUTHEAST OF SCOTT, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAMPLING DEPTH (FEET) (00003)	SAMPLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TURBIDITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
03...	1235	--	--	10	--	--	4.4	7.2	290	29.5	--	8000

333353091013600 DEER CREEK NORTH OF FORKLAND, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAMPLING DEPTH (FEET) (00003)	SAMPLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TURBIDITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
03...	1255	--	--	10	--	15	5.6	7.6	463	29.0	--	8000

Remark codes:
< -- Less than
E -- Estimated value

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

333141091005500 DEER CREEK AT FORKLAND, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
03...	1330	16.13	--	10	--	--	--	--	--	--	--	8000
03...	1331	--	1.00	50	--	32	--	8.7	434	32.0	12.0	8000
03...	1335	--	1.00	50	--	30	7.2	8.1	431	30.5	60.0	8000

333058090590400 DEER CREEK AT PRISCILLA, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
03...	1407	13.20	--	10	91.0	--	--	--	--	--	--	8000
03...	1408	--	1.00	50	--	55	14.1	9.0	387	33.5	15.0	8000
03...	1409	--	1.00	50	--	54	14.1	9.0	382	33.5	30.0	8000
03...	1410	--	1.00	50	--	99	7.7	8.5	395	31.0	45.0	8000
03...	1411	--	1.00	50	--	120	8.3	8.5	390	31.0	62.0	8000
03...	1412	--	1.00	50	--	130	7.6	8.5	389	31.5	77.0	8000

333008090594500 DEER CREEK SOUTHWEST OF PRISCILLA, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
03...	1420	21.28	--	10	43.0	--	--	--	--	--	--	8000
03...	1430	--	1.00	50	--	21	7.5	8.0	371	28.5	6.00	8000
03...	1432	--	1.00	50	--	22	6.4	7.9	370	28.0	12.0	8000
03...	1433	--	1.00	50	--	24	5.5	7.9	369	28.0	18.0	8000
03...	1434	--	1.00	50	--	24	5.2	7.9	370	28.0	24.0	8000
03...	1436	--	1.00	50	--	21	6.0	8.0	369	29.0	34.0	8000

332733091001600 DEER CREEK AT METCALFE, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
03...	1500	23.60	--	10	25.0	17	7.7	7.9	435	29.0	--	8000

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

332638090585900 DEER CREEK SOUTHEAST OF METCALFE, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
03...	1525	18.18	--	10	57.0	--	--	--	--	--	--	8000
03...	1527	--	1.00	50	--	8.4	6.4	7.8	425	27.0	20.0	8000
03...	1528	--	1.00	50	--	8.7	4.8	7.7	425	26.5	30.0	8000
03...	1529	--	1.00	50	--	8.9	5.2	7.7	426	27.0	40.0	8000
03...	1530	--	1.00	50	--	8.8	4.6	7.7	425	27.0	50.0	8000

332541090552100 DEER CREEK NORTHEAST OF STONEVILLE, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
03...	1553	23.30	--	10	63.0	--	--	--	--	--	--	8000
03...	1554	--	1.00	50	--	22	6.2	7.8	425	28.0	10.0	8000
03...	1555	--	1.00	50	--	23	7.0	7.8	425	28.0	20.0	8000
03...	1556	--	1.00	50	--	28	5.5	7.7	426	27.5	30.0	8000
03...	1557	--	1.00	50	--	27	6.4	7.8	425	28.0	40.0	8000
03...	1558	--	1.00	50	--	25	6.4	7.8	425	28.0	50.0	8000

332515090543400 DEER CREEK AT STONEVILLE, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
03...	1629	21.95	--	10	90.0	--	--	--	--	--	--	8000
03...	1630	--	1.00	50	--	30	8.5	8.2	579	31.0	15.0	8000
03...	1631	--	1.00	50	--	30	8.4	8.2	586	31.0	30.0	8000
03...	1632	--	1.00	50	--	30	8.8	8.3	595	31.0	45.0	8000
03...	1633	--	1.00	50	--	29	8.2	8.2	559	31.0	60.0	8000
03...	1634	--	1.00	50	--	31	7.7	8.2	551	30.5	75.0	8000
03...	1635	--	1.00	50	--	31	7.8	8.2	556	31.0	85.0	8000

332440090543600 DEER CREEK SOUTH OF STONEVILLE, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
03...	1648	25.90	--	10	120	--	--	--	--	--	--	8000
03...	1649	--	1.00	50	--	18	7.9	8.1	478	31.5	20.0	8000
03...	1650	--	1.00	50	--	21	7.8	8.1	479	31.5	40.0	8000
03...	1651	--	1.00	50	--	19	7.5	8.0	479	31.5	60.0	8000
03...	1652	--	1.00	50	--	20	7.3	8.0	479	31.5	80.0	8000
03...	1653	--	1.00	50	--	21	7.4	8.0	480	32.0	100	8000

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

332249090542600 DEER CREEK SOUTH OF LELAND, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
04...	0855	29.88	--	10	46.0	--	--	--	--	--	--	8000
04...	0905	--	1.00	50	--	32	5.7	7.6	430	27.5	8.00	8000
04...	0907	--	1.00	50	--	18	6.0	7.7	431	27.5	17.0	8000
04...	0910	--	1.00	50	--	21	4.6	7.8	433	27.5	35.0	8000

332008090533200 DEER CREEK NEAR BURDETTE, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
04...	0922	23.51	--	10	89.0	--	--	--	--	--	--	8000
04...	0930	--	1.00	50	--	15	5.0	7.6	452	28.5	19.0	8000
04...	0933	--	1.00	50	--	17	4.8	7.8	456	28.5	39.0	8000
04...	0935	--	1.00	50	--	15	5.2	7.8	456	28.5	59.0	8000
04...	0937	--	1.00	50	--	15	5.7	7.8	453	28.5	79.0	8000

331611090523600 DEER CREEK AT ARCOLA, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
04...	0955	15.57	--	10	--	--	--	--	--	--	--	8000
04...	1005	--	1.00	50	--	16	5.3	7.2	327	29.0	14.0	8000
04...	1006	--	1.00	50	--	19	5.0	7.4	328	29.0	29.0	8000
04...	1007	--	1.00	50	--	16	5.2	7.5	329	29.0	44.0	8000
04...	1008	--	1.00	50	--	16	5.2	7.5	329	29.0	59.0	8000
04...	1009	--	1.00	50	--	22	4.1	7.5	329	29.0	74.0	8000
04...	1010	--	1.00	50	--	17	4.2	7.5	329	29.0	82.0	8000

331304090521800 DEER CREEK AT ESTILL, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
04...	1030	16.14	--	10	99.0	--	--	--	--	--	--	8000
04...	1040	--	1.00	50	--	14	6.0	7.3	269	30.0	19.0	8000
04...	1042	--	1.00	50	--	14	5.9	7.5	270	30.0	39.0	8000
04...	1043	--	1.00	50	--	15	5.7	7.5	270	30.0	59.0	8000
04...	1045	--	1.00	50	--	16	5.1	7.5	270	30.0	79.0	8000

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

331127090512600 DEER CREEK NORTH OF HOLLANDALE, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
04...	1101	16.76	--	10	--	--	--	--	--	--	--	8000
04...	1109	--	1.00	50	--	13	6.8	7.5	191	30.5	27.0	8000
04...	1111	--	1.00	50	--	11	6.7	7.6	192	30.0	57.0	8000
04...	1113	--	1.00	50	--	13	6.2	7.5	192	30.5	87.0	8000
04...	1114	--	1.00	50	--	13	6.3	7.6	191	30.5	107	8000

07288768 DEER CREEK AT HOLLANDALE, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
04...	1134	23.82	--	10	10.0	20	7.4	7.5	190	31.0	--	8000

07288770 DEER CREEK NEAR HOLLANDALE, MS

Date	Time	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ACIDITY (MG/L AS H) (71825)
AUG												
28...	1230	--	13	3.5	7.1	165	27.5	--	--	--	--	--
SEP												
05...	1230	20	16	4.6	6.9	161	28.5	15.0	4.50	5.40	8.3	.1
06...	1108	--	31	4.9	7.2	163	28.0	--	--	--	--	--

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	73	5.50	.2	1.40	18	103	.01	.60	1.0	.02	<.02	.020
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN,PAR TICULTE WAT FLT SUSP (MG/L AS N) (49570)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, INORG + ORGANIC PARTIC. TOTAL (MG/L AS C) (00694)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	<.010	<.01	.34	.10	.07	.110	.22	1.9	7.1	2.7	14	13
06...	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes:
< -- Less than

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

07288770 DEER CREEK NEAR HOLLANDALE, MS--Continued

Date	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	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)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	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)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	26.0	<3	<1	13	<1	62	<.5	<1	<1	<2	13	<2
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	THAL-LIUM, DIS-SOLVED (UG/L AS TL) (01057)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	2,4-D METHYL ESTER, WATER FLTRD REC (UG/L) (50470)	2,4-D, DIS-SOLVED (UG/L) (39732)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	28	<.10	<2	<1	<1	<1	68.0	<2	<1	<2	<.009	<.02
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	3HYDRXY CARBO-FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	3-KETO CARBO-FURAN WATER FLTRD REC (UG/L) (50295)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ACIFL-UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	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)	ALDI-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	AMINO-METHYL-PHOS-PHONIC ACID, WAT FLT (UG/L) (62649)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	<.02	<.006	<.006	<2	<.006	.015	<.004	<.02	<.008	<.04	<.005	4.1
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BENDIO-CARB, WATER FLTRD REC (UG/L) (50299)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BENOMYL WATER FLTRD REC (UG/L) (50300)	BEN-SUL-FURON METHYL WAT FLT REC (UG/L) (61693)	BENTA-ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	BRO-MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAF-FEINE, WATER FLTRD REC (UG/L) (50305)	CAR-BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	.635	<.03	<.010	<.004	<.02	E.05	<.03	<.02	<.002	<.010	<.03	<.041
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-AMBEN, METHYL ESTER WATER FLTRD (UG/L) (61188)	CHLORI-MURON, WATER FLTRD REC (UG/L) (50306)	CHLORO-THALO-NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	CY-CLOATE, WATER, DISS, REC (UG/L) (04031)	DACTHAL MONO-ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	<.006	<.020	<.02	<.010	<.04	<.005	<.01	.413	<.01	<.01	<.003	E.098
06...	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes:
< -- Less than
E -- Estimated value

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

07288770 DEER CREEK NEAR HOLLANDALE, MS--Continued

Date	DEETHYL DEISO- PROPYL ATRAZIN DISS, REC (UG/L) (04039)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIPHEN- AMID, WATER, DISS, REC (UG/L) (04033)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	E.01	E.11	.031	<.01	<.01	<.005	<.01	<.03	<.02	E1.70	<.002	<.009
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FEN- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUMET- SULAM WATER FLTRD REC (UG/L) (61694)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	FONOFOS WATER DISS REC (UG/L) (04095)	GLUFO- SINATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62721)	GLYPHO- SATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62722)	HYDROXY ATRA- ZINE WATER FLTRD REC (UG/L) (50355)	IMAZ- AQUIN WATER FLTRD REC (UG/L) (50356)	IMAZE- THAPYR WATER FLTRD REC (UG/L) (50407)	IMID- ACLOP- RID WATER FLTRD REC (UG/L) (61695)	LINDANE DIS- SOLVED (UG/L) (39341)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	<.005	<.03	<.01	E1.36	<.003	<.1	.9	E1.11	<.02	<.02	<.007	<.004
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METAL- AXYL WATER FLTRD REC (UG/L) (50359)	METHIO- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH- OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN WATER DISSOLV (UG/L) (82630)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	<.01	E.038	.042	<.02	<.01	E.02	<.008	<.004	<.050	<.006	.030	<.006
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	MET- SUL- FURON METHYL WAT FLT REC (UG/L) (61697)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NICOSUL FURON WATER FLTRD REC (UG/L) (50364)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY- ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	P,P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	<.03	<.002	<.007	<.01	<.01	E.06	<.02	<.01	<.003	<.010	<.004	<.022
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	PRO- PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROP- ICONA- ZOLE , WATER FLTRD REC (UG/L) (50471)	PRO- POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SIDURON WATER FLTRD REC (UG/L) (38548)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	<.006	<.011	<.02	.03	<.007	<.010	<.011	<.02	<.010	E.01	<.008	<.02
06...	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes:
< -- Less than
E -- Estimated value

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

07288770 DEER CREEK NEAR HOLLANDALE, MS--Continued

Date	SIMAZINE, WATER, DISS, REC (UG/L) (04035)	SULFOMETURON METHYL WTR FLT REC (UG/L) (50337)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TERBACIL, WATER, DISS, REC (UG/L) (04032)	TERBACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TERBUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIALLATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRIBENURON METHYL WATER FLTRD (UG/L) (61159)	TRICLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	TRIFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	UREA 3(4-CHLOROPHENYL METHYL WAT FLT REC (UG/L) (61692)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	.015	<.009	<.02	<.010	<.034	<.02	<.005	<.002	--	<.02	<.009	.13
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	ALDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39333)	CHLORDANE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39351)	DIELDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39383)	ENDOSULFAN I TOTAL IN BOTTOM MATERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOTTOM MATERIAL (UG/KG) (39393)	HEPTACHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	HEPTACHLOR, TOTAL IN BOTTOM MATERIAL (UG/KG) (39413)	LINDANE TOTAL IN BOTTOM MATERIAL (UG/KG) (39343)	METHOXYCHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	MIREX, TOTAL IN BOTTOM MATERIAL (UG/KG) (39758)	P,P'-DDD, RECOVER IN BOTTOM MATERIAL (UG/KG) (39363)	P,P'-DDE, RECOVER IN BOTTOM MATERIAL (UG/KG) (39368)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	<.2	<3	<.2	<.2	6.7	<.2	<.2	<.2	<2.5	<.2	71	570
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	P,P'-DDT, RECOVER IN BOTTOM MATERIAL (UG/KG) (39373)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) (39519)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39403)	SEDIMENT, SUSPENDED (MG/L) (80154)
AUG				
28...	--	--	--	--
SEP				
05...	E4.6	E22	<50	35
06...	--	--	--	--

330632090523900 DEER CREEK AT PERCY, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAMPLING DEPTH (FEET) (00003)	SAMPLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TURBIDITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
04...	1205	21.75	--	10	57.0	--	--	--	--	--	--	8000
04...	1214	--	1.00	50	--	51	4.6	7.0	156	29.5	7.00	8000
04...	1218	--	1.00	50	--	28	4.3	7.0	155	29.0	17.0	8000
04...	1220	--	1.00	50	--	26	3.7	7.0	156	29.0	27.0	8000
04...	1222	--	1.00	50	--	25	4.3	7.0	155	29.5	37.0	8000
04...	1223	--	1.00	50	--	28	5.4	7.1	155	30.0	47.0	8000

330414090514400 DEER CREEK AT PANTHER BURN, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAMPLING DEPTH (FEET) (00003)	SAMPLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TURBIDITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
04...	1239	22.71	--	10	74.0	--	--	--	--	--	--	8000
04...	1250	--	1.00	50	--	12	5.6	7.1	143	29.0	23.0	8000
04...	1251	--	1.00	50	--	10	5.2	7.2	144	29.0	36.0	8000
04...	1252	--	1.00	50	--	11	4.8	7.1	145	29.0	49.0	8000
04...	1253	--	1.00	50	--	10	4.3	7.1	146	29.0	62.0	8000

Remark codes:
< -- Less than
E -- Estimated value

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

330238090500200 DEER CREEK AT VICKLAND, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM- PLING DEPTH (FEET) (00003)	SAM- PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR- BID- ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
04...	1309	20.70	--	10	110	--	--	--	--	--	--	8000
04...	1318	--	1.00	50	--	11	7.4	7.2	127	30.0	30.0	8000
04...	1322	--	1.00	50	--	9.5	6.2	7.2	128	30.0	70.0	8000
04...	1323	--	1.00	50	--	15	6.6	7.2	129	30.0	90.0	8000

330028090511000 DEER CREEK NEAR NITTA YUMA, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM- PLING DEPTH (FEET) (00003)	SAM- PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR- BID- ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
04...	1342	24.46	--	10	--	--	--	--	--	--	--	8000
04...	1351	--	1.00	50	--	19	8.4	7.7	211	31.0	12.0	8000
04...	1354	--	1.00	50	--	19	8.1	7.8	211	30.5	24.0	8000
04...	1355	--	1.00	50	--	17	8.2	7.8	211	31.0	36.0	8000
04...	1356	--	1.00	50	--	17	8.0	7.8	211	31.0	48.0	8000
04...	1358	--	1.00	50	--	17	7.9	7.9	211	31.5	60.0	8000

325821090502300 DEER CREEK AT ANGUILLA, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM- PLING DEPTH (FEET) (00003)	SAM- PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR- BID- ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
04...	1417	13.42	--	10	--	18	6.4	7.6	384	29.5	--	8000

325754090511100 DEER CREEK NEAR ANGUILLA, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM- PLING DEPTH (FEET) (00003)	SAM- PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR- BID- ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS- SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	SAMPLE LOC- ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
04...	1455	15.77	--	10	104	--	--	--	--	--	--	8000
04...	1503	--	1.00	50	--	14	7.4	7.5	250	29.5	18.0	8000
04...	1505	--	1.00	50	--	14	7.2	7.6	250	29.0	38.0	8000
04...	1507	--	1.00	50	--	12	6.8	7.6	250	29.5	58.0	8000
04...	1509	--	1.00	50	--	12	6.6	7.6	251	29.5	78.0	8000
04...	1510	--	1.00	50	--	12	6.9	7.6	251	29.5	88.0	8000

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

325427090524500 DEER CREEK AT ROLLING FORK, MS

Date	Time	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ACIDITY (MG/L AS H) (71825)
AUG												
28...	1150	--	34	8.4	7.8	92	29.5	--	--	--	--	--
SEP												
05...	0945	30	69	4.9	7.2	214	29.5	19.0	5.50	6.20	19.0	.2
06...	1020	--	92	5.3	7.3	235	26.0	--	--	--	--	--

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	106	5.10	.2	4.70	29	140	.02	.90	1.3	.04	<.02	<.020
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN,PAR TICULTE WAT FLT SUSP (MG/L AS N) (49570)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, INORG + ORGANIC PARTIC. TOTAL (MG/L AS C) (00694)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	<.010	.01	.56	.26	.24	.330	.42	3.3	--	3.8	22	6
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	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)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	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)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	37.0	<3	<1	46	<1	110	<.5	<1	<1	<2	9	<2
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	THAL-LIUM, DIS-SOLVED (UG/L AS TL) (01057)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	2,4-D METHYL ESTER, WATER FLTRD REC (UG/L) (50470)	2,4-D, DIS-SOLVED (UG/L) (39732)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	136	<.10	<2	2	<1	<1	85.0	<2	3	<2	<.009	<.02
06...	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes:
< -- Less than

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

325427090524500 DEER CREEK AT ROLLING FORK, MS--Continued

Date	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	3HYDRXY CARBO- FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	3-KETO CARBO- FURAN WATER FLTRD REC (UG/L) (50295)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ACIFL- UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	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)	ALDI- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	AMINO- METHYL- PHOS- PHONIC ACID, WAT FLT (UG/L) (62649)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	<.02	<.006	<.006	<2	<.006	<.007	<.004	<.02	<.008	<.04	<.005	3.1
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)	BENDIO- CARB, WATER FLTRD REC (UG/L) (50299)	BEN- FLUR- ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BENOMYL WATER FLTRD REC (UG/L) (50300)	BEN- SUL- FURON METHYL WAT FLT REC (UG/L) (61693)	BENTA- ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO- MACIL, WATER, DISS, REC (UG/L) (04029)	BRO- MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	BUTYL- ATE, WATER, DISS, REC (UG/L) (04028)	CAF- FEINE, WATER FLTRD REC (UG/L) (50305)	CAR- BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CAR- BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	.350	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	<.010	<.03	<.041
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	CARBO- FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CARBO- FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR- AMBEN, METHYL ESTER WATER FLTRD (UG/L) (61188)	CHLORI- MURON, WATER FLTRD REC (UG/L) (50306)	CHLORO- THALO- NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR- PYRIFOS DIS- SOLVED (UG/L) (38933)	CLOPYR- ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CYANA- ZINE, WATER, DISS, REC (UG/L) (04041)	CY- CLOATE, WATER, DISS, REC (UG/L) (04031)	DACTHAL MONO- ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA- ZINE, WATER, DISS, REC (UG/L) (04040)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	<.006	<.020	<.02	<.010	<.04	<.005	<.01	.817	<.01	<.01	<.003	E.051
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	DEETHYL DEISO- PROPYL ATRAZIN DISS, REC (UG/L) (04039)	DEISO- PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DI- AZINON, DIS- SOLVED (UG/L) (39572)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DI- ELDRIN DIS- SOLVED (UG/L) (39381)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIPHEN- AMID, WATER, DISS, REC (UG/L) (04033)	DISUL- FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	<.01	<.04	.034	<.01	<.01	<.005	<.01	<.03	<.02	.31	<.002	<.009
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	ETHO- PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FEN- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUMET- SULAM WATER FLTRD REC (UG/L) (61694)	FLUO- METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	FONOFOS WATER DISS REC (UG/L) (04095)	GLUFO- SINATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62721)	GLYPHO- SATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62722)	HYDROXY ATRA- ZINE WATER FLTRD REC (UG/L) (50355)	IMAZ- AQUIN WATER FLTRD REC (UG/L) (50356)	IMAZE- THAPYR WATER FLTRD REC (UG/L) (50407)	IMID- ACLOP- RID WATER FLTRD REC (UG/L) (61695)	LINDANE DIS- SOLVED (UG/L) (39341)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	<.005	E.34	<.01	E.05	<.003	<.1	.5	E2.16	<.02	<.02	<.007	<.004
06...	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes:
< -- Less than
E -- Estimated value

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

325427090524500 DEER CREEK AT ROLLING FORK, MS--Continued

Date	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METAL- AXYL WATER FLTRD REC (UG/L) (50359)	METHIO- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH- OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	<.01	<.035	5.40	<.02	<.01	<.02	<.008	<.004	<.050	<.006	E.007	<.006
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	MET- SUL- FURON METHYL WAT FLT REC (UG/L) (61697)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NICOSUL FURON WATER FLTRD REC (UG/L) (50364)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY- ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	P,P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	<.03	<.002	<.007	<.01	<.01	E.02	<.02	<.01	<.003	<.010	<.004	<.022
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	PRO- PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROP- ICONA- ZOLE , WATER FLTRD REC (UG/L) (50471)	PRO- POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SIDURON WATER FLTRD REC (UG/L) (38548)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	<.006	<.011	<.02	.02	<.031	<.010	<.011	<.02	<.010	<.02	<.008	<.02
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	SULFO- MET- RURON METHYL WTR FLT REC (UG/L) (50337)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL, WATER, DISS, REC (UG/L) (04032)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- BENURON METHYL WATER FLTRD (UG/L) (61159)	TRI- CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	UREA 3(4-CHLOR OPHENYL METHYL WAT FLT REC (UG/L) (61692)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	.010	<.009	<.02	<.010	<.034	<.02	<.005	<.002	--	<.02	<.009	E.53
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	ENDO- SULFAN I TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39343)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39758)	P,P'- DDD, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39363)	P,P'- DDE, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39368)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
05...	<.6	<3	<.2	<.2	5.4	<.2	<.2	<.2	<2.5	<.2	82	200
06...	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes:
< -- Less than
E -- Estimated value

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

325427090524500 DEER CREEK AT ROLLING FORK, MS--Continued

Date	P,P'-DDT, RECOVER IN BOTTOM MATERIAL (UG/KG) (39373)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) (39519)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39403)	SEDIMENT, SUSPENDED (MG/L) (80154)
AUG				
28...	--	--	--	--
SEP				
05...	25	E7	<50	77
06...	--	--	--	--

325218090532500 DEER CREEK NORTH OF EGREMONT, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAMPLING DEPTH (FEET) (00003)	SAMPLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TURBIDITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
04...	1600	5.60	--	10	--	140	5.5	7.2	109	31.0	--	8000

325200090533700 DEER CREEK NEAR EGREMONT, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAMPLING DEPTH (FEET) (00003)	SAMPLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TURBIDITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
05...	1040	--	--	10	--	--	1.9	6.6	106	32.0	--	8000

325034090542100 DEER CREEK SOUTH OF EGREMONT, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAMPLING DEPTH (FEET) (00003)	SAMPLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TURBIDITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
05...	1100	7.49	--	10	--	34	5.3	7.1	210	29.0	--	8000

324951090544900 DEER CREEK NORTH OF CARY, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAMPLING DEPTH (FEET) (00003)	SAMPLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TURBIDITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
05...	1115	7.88	--	10	--	55	3.1	6.8	121	28.5	--	8000

Remark codes:
< -- Less than
E -- Estimated value

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

07288780 DEER CREEK AT CARY, MS

Date	Time	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ACIDITY (MG/L AS H) (71825)
AUG												
28...	1110	--	52	4.8	7.2	173	27.5	--	--	--	--	--
SEP												
04...	1500	50	48	3.4	7.1	173	29.5	18.0	4.70	8.00	4.7	.2
06...	0940	--	50	7.9	7.0	176	28.0	--	--	--	--	--

Date	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	81	4.40	.2	8.50	50	104	.02	.60	1.1	.03	<.02	<.020
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN,PAR TICULTE WAT FLT SUSP (MG/L AS N) (49570)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, INORG + ORGANIC PARTIC. TOTAL (MG/L AS C) (00694)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	<.010	.01	.58	.05	.03	.070	.18	3.5	6.1	3.5	11	110
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	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)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)	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)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	43.0	4	<1	8	<1	38	<.5	<1	<1	<2	10	<2
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	THAL-LIUM, DIS-SOLVED (UG/L AS TL) (01057)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	2,4-D METHYL ESTER, WATER FLTRD REC (UG/L) (50470)	2,4-D, DIS-SOLVED (UG/L) (39732)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	80	<.10	<2	2	<1	<1	67.0	<2	1	<2	<.009	<.02
06...	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes:
< -- Less than

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

07288780 DEER CREEK AT CARY, MS--Continued

Date	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	3HYDRXY CARBO-FURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	3-KETO CARBO-FURAN WATER FLTRD REC (UG/L) (50295)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ACIFL-UORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	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)	ALDI-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	AMINO-METHYL-PHOS-PHONIC ACID, WAT FLT (UG/L) (62649)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	<.02	<.006	<.006	<2	<.006	<.007	<.004	<.02	<.008	<.04	<.005	1.0
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BENDIO-CARB, WATER FLTRD REC (UG/L) (50299)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BENOMYL WATER FLTRD REC (UG/L) (50300)	BEN-SUL-FURON METHYL WAT FLT REC (UG/L) (61693)	BENTA-ZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)	BRO-MACIL, WATER, DISS, REC (UG/L) (04029)	BRO-MOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)	CAF-FEINE, WATER FLTRD REC (UG/L) (50305)	CAR-BARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	.646	<.03	<.010	<.004	<.02	<.01	<.03	<.02	<.002	E.071	<.03	<.041
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	CARBO-FURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-AMBEN, METHYL ESTER WATER FLTRD (UG/L) (61188)	CHLORI-MURON, WATER FLTRD REC (UG/L) (50306)	CHLORO-THALO-NIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CLOPYR-ALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	CY-CLOATE, WATER, DISS, REC (UG/L) (04031)	DACTHAL MONO-ACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	<.006	<.020	<.02	<.010	<.04	<.005	<.01	E.018	<.01	<.01	<.003	E.142
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	DEETHYL DEISO-PROPYL ATRAZIN DISS, REC (UG/L) (04039)	DEISO-PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLOR PROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIPHEN-AMID, WATER, DISS, REC (UG/L) (04033)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	E.02	E.10	.050	<.01	<.01	<.005	<.01	<.03	<.02	E.16	<.002	<.009
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FEN-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUMET-SULAM WATER FLTRD REC (UG/L) (61694)	FLUO-METURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	FONOFOS WATER DISS REC (UG/L) (04095)	GLUFO-SINATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62721)	GLYPHO-SATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62722)	HYDROXY ATRA-ZINE WATER FLTRD REC (UG/L) (50355)	IMAZ-AQUIN WATER FLTRD REC (UG/L) (50356)	IMAZE-THAPYR WATER FLTRD REC (UG/L) (50407)	IMID-ACLOP-RID WATER FLTRD REC (UG/L) (61695)	LINDANE DIS-SOLVED (UG/L) (39341)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	<.005	<.03	<.01	E.10	<.003	<.1	<.1	E1.26	<.02	<.02	<.007	<.004
06...	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes:
< -- Less than
E -- Estimated value

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

07288780 DEER CREEK AT CARY, MS--Continued

Date	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	LIN- URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA- THION, DIS- SOLVED (UG/L) (39532)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METAL- AXYL WATER FLTRD REC (UG/L) (50359)	METHIO- CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH- OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	METHYL AZIN- PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA- THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO- LACHLOR WATER DISSOLV (UG/L) (39415)	METRI- BUZIN SENCOR WATER DISSOLV (UG/L) (82630)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	E.04	.063	.122	<.02	<.01	M	<.008	<.004	<.050	<.006	E.007	<.006
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	MET- SUL- FURON METHYL WAT FLT REC (UG/L) (61697)	MOL- INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	NEB- URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NICOSUL FURON WATER FLTRD REC (UG/L) (50364)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)	ORY- ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	P,P' DDE DISSOLV (UG/L) (34653)	PARA- THION, DIS- SOLVED (UG/L) (39542)	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	<.03	<.002	<.007	<.01	<.01	E.04	<.02	<.01	<.003	<.010	<.004	<.022
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PIC- LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	PRO- PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROP- ICONA- ZOLE , WATER FLTRD REC (UG/L) (50471)	PRO- POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SIDURON WATER FLTRD REC (UG/L) (38548)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	<.006	<.011	<.02	.19	<.010	<.010	<.011	<.02	<.010	<.02	<.008	<.02
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	SULFO- MET- RURON METHYL WTR FLT REC (UG/L) (50337)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL, WATER, DISS, REC (UG/L) (04032)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- BENURON METHYL WATER FLTRD (UG/L) (61159)	TRI- CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	UREA 3(4-CHLOR OPHENYL METHYL WAT FLT REC (UG/L) (61692)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	.015	<.009	<.02	<.010	<.040	<.02	<.005	<.002	--	<.02	<.009	E.01
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	ENDO- SULFAN I TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39343)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39758)	P,P'- DDD, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39363)	P,P'- DDE, RECOVER IN BOT- TOM MA- TERIAL (UG/KG) (39368)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	<.2	<3	<.2	<.2	<.2	<.2	<.2	<.2	<2.5	<.2	6.1	12
06...	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes:
< -- Less than
E -- Estimated value
M -- Presence verified, not quantified

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

07288780 DEER CREEK AT CARY, MS--Continued

Date	P,P'-DDT, RECOVER IN BOTTOM MATERIAL (UG/KG) (39373)	PCB, TOTAL IN BOTTOM MATERIAL (UG/KG) (39519)	TOXAPHENE, TOTAL IN BOTTOM MATERIAL (UG/KG) (39403)	SEDIMENT, SUSPENDED (MG/L) (80154)
AUG				
28...	--	--	--	--
SEP				
04...	1.2	<5	<50	66
06...	--	--	--	--

324728090570600 DEER CREEK SOUTHWEST OF CARY, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAMPLING DEPTH (FEET) (00003)	SAMPLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TURBIDITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
05...	1150	--	--	10	--	38	5.3	7.4	--	29.5	--	8000

324552090573000 DEER CREEK NORTHWEST OF BLANTON, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAMPLING DEPTH (FEET) (00003)	SAMPLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TURBIDITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
05...	1215	7.43	--	10	--	--	--	--	--	--	--	8000
05...	1216	--	1.00	50	--	17	6.0	7.2	124	30.5	--	8000
05...	1220	--	E3.50	50	--	16	3.0	7.0	125	29.5	--	8000

324509090554700 DEER CREEK AT BLANTON, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAMPLING DEPTH (FEET) (00003)	SAMPLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TURBIDITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DISSOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	SPECIFIC CONDUCTANCE (US/CM) (00095)	TEMPERATURE WATER (DEG C) (00010)	SAMPLE LOCATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
05...	1225	5.92	--	10	--	--	--	--	--	--	--	8000
05...	1226	--	1.00	50	--	23	4.5	7.0	140	27.0	--	8000
05...	1230	--	E2.00	50	--	--	3.3	6.8	147	26.5	--	8000

Remark codes:
< -- Less than
E -- Estimated value

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

324159090555000 DEER CREEK NEAR ONWARD, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
05...	1325	24.99	--	10	81.0	--	--	--	--	--	--	8000
05...	1329	--	1.00	50	--	30	7.7	7.3	91	31.5	12.0	8000
05...	1330	--	1.00	50	--	30	7.6	7.3	91	31.0	25.0	8000
05...	1331	--	E2.00	50	--	--	4.2	7.0	92	29.5	25.0	8000
05...	1333	--	1.00	50	--	30	7.4	7.2	91	31.0	38.0	8000
05...	1334	--	E2.50	50	--	--	4.0	7.0	92	29.5	38.0	8000
05...	1335	--	1.00	50	--	29	7.4	7.2	91	31.0	51.0	8000
05...	1336	--	E3.00	50	--	--	5.3	7.1	92	30.0	51.0	8000
05...	1337	--	1.00	50	--	27	7.2	7.2	91	31.5	64.0	8000

07288790 DEER CREEK NEAR VALLEY PARK, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
05...	1410	20.95	--	10	78.0	--	--	--	--	--	--	8000
05...	1420	--	1.00	50	--	51	9.2	8.0	85	33.5	10.0	8000
05...	1422	--	1.00	50	--	59	8.1	8.0	86	32.5	25.0	8000
05...	1423	--	E1.50	50	--	--	4.9	7.2	85	30.0	25.0	8000
05...	1424	--	1.00	50	--	--	7.6	7.4	86	31.5	40.0	8000
05...	1425	--	E1.50	50	--	--	5.1	7.2	86	29.5	40.0	8000
05...	1427	--	1.00	50	--	--	8.5	7.8	84	32.5	55.0	8000
05...	1428	--	E2.00	50	--	--	7.8	7.7	85	31.0	55.0	8000
05...	1429	--	1.00	50	--	58	8.4	7.9	85	32.5	70.0	8000

323915090513900 DEER CREEK NORTH OF VALLEY PARK, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
05...	1500	--	--	10	--	--	10.3	7.5	113	32.0	--	8000

323821090513900 DEER CREEK ABOVE VALLEY PARK, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
05...	1544	6.85	--	10	--	46	8.1	7.6	102	31.0	--	8000

Remark codes:
E -- Estimated value

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

323805090514700 DEER CREEK AT VALLEY PARK, MS

Date	Time	Field sample comment	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
AUG							
28...	1015	--	--	69	.4	6.5	103
SEP							
04...	0930	Sample collected upstream of culvert	--	--	6.6	7.1	101
04...	1030	Sample collect downstream of culvert	60	57	--	6.2	105
06...	0855	--	--	16	1.4	6.5	102

Date	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ACIDITY (MG/L AS H) (71825)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
AUG												
28...	26.5	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	30.5	--	--	--	--	--	--	--	--	--	--	--
04...	26.5	9.40	3.00	5.20	3.8	.4	60	1.90	.2	<.20	115	70
06...	26.5	--	--	--	--	--	--	--	--	--	--	--

Date	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO-GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	NITRO-GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO-GEN,PAR TICULTE WAT FLT SUSP (MG/L AS N) (49570)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	PHOS-PHORUS ORTHO TOTAL (MG/L AS P) (70507)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	.01	.60	1.6	.02	<.02	<.020	<.010	<.01	--	.02	<.01	.040
04...	.01	.70	3.9	.01	<.02	<.020	<.010	<.01	1.04	.03	<.01	.030
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	CARBON, INORG + ORGANIC PARTIC. TOTAL (MG/L AS C) (00694)	CARBON, ORGANIC DIS-SOLVED (MG/L AS C) (00681)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (MG/L) (00340)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L) (70953)	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)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	BORON, DIS-SOLVED (UG/L AS B) (01020)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	.16	--	--	5.6	--	10	--	--	--	--	--	--
04...	.34	6.9	8.1	4.7	21	180	120	<3	<1	3	<1	41
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	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)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MERCURY DIS-SOLVED (UG/L AS HG) (71890)	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)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	--	--	--	--	--	--	--	--	--	--	--	--
04...	<.5	<1	<1	<2	197	<2	57	<.10	<2	<1	<1	<1
06...	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes:
< -- Less than

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

323805090514700 DEER CREEK AT VALLEY PARK, MS--Continued

Date	STRONTIUM, DISSOLVED (UG/L AS SR) (01080)	THALLIUM, DISSOLVED (UG/L AS TL) (01057)	VANADIUM, DISSOLVED (UG/L AS V) (01085)	ZINC, DISSOLVED (UG/L AS ZN) (01090)	2,4-D METHYL ESTER, WATER FLTRD REC (UG/L) (50470)	2,4-D, DISSOLVED (UG/L) (39732)	2,4-DB WATER, FLTRD, GF 0.7U REC (UG/L) (38746)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	3HYDRXY CARBOFURAN WAT,FLT GF 0.7U REC (UG/L) (49308)	3-KETO CARBOFURAN WATER FLTRD REC (UG/L) (50295)	ACETOCHLOR, WATER FLTRD REC (UG/L) (49260)	ACIFLUORFEN WATER, FLTRD, GF 0.7U REC (UG/L) (49315)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	--	--	--	--	--	--	--	--	--	--	--	--
04...	39.0	<2	<1	<2	<.009	<.02	<.02	<.006	<.006	<2	<.011	<.007
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	ALACHLOR, WATER, DISS, REC, (UG/L) (46342)	ALDICARB SULFONE WAT,FLT GF 0.7U REC (UG/L) (49313)	ALDICARB SULFOXIDE, WAT,FLT GF 0.7U REC (UG/L) (49314)	ALDICARB, WATER, FLTRD, GF 0.7U REC (UG/L) (49312)	ALPHA BHC DISSOLVED (UG/L) (34253)	AMINOMETHYLPHOSPHONIC ACID, WAT FLT (UG/L) (62649)	ATRAZINE, WATER, DISS, REC (UG/L) (39632)	BENDIOCARB, WATER FLTRD REC (UG/L) (50299)	BENFLURALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BENOMYL WATER FLTRD REC (UG/L) (50300)	BENSULFURON METHYL WAT FLT REC (UG/L) (61693)	BENTAZON, WATER, FLTRD, GF 0.7U REC (UG/L) (38711)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	--	--	--	--	--	--	--	--	--	--	--	--
04...	<.004	<.02	<.008	<.04	<.005	<.1	2.30	<.03	<.010	<.004	<.02	<.01
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	BROMACIL, WATER, DISS, REC (UG/L) (04029)	BROMOXYNIL WATER, FLTRD, GF 0.7U REC (UG/L) (49311)	BUTYLATE, WATER, DISS, REC (UG/L) (04028)	CAFFEINE, WATER FLTRD REC (UG/L) (50305)	CARBARYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49310)	CARBARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBOFURAN, WATER, FLTRD, GF 0.7U REC (UG/L) (49309)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLORAMBEN, METHYL ESTER WATER FLTRD (UG/L) (61188)	CHLORIMURON, WATER FLTRD REC (UG/L) (50306)	CHLOROTHALONIL, WAT,FLT GF 0.7U REC (UG/L) (49306)	CHLORPYRIFOS DISSOLVED (UG/L) (38933)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	--	--	--	--	--	--	--	--	--	--	--	--
04...	<.03	<.02	<.002	<.010	<.03	<.041	<.006	<.020	<.02	<.010	<.04	<.005
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	CLOPYRALID, WATER, FLTRD, GF 0.7U REC (UG/L) (49305)	CYANAZINE, WATER, DISS, REC (UG/L) (04041)	CYCLOATE, WATER, DISS, REC (UG/L) (04031)	DACTHAL MONOACID, WAT,FLT GF 0.7U REC (UG/L) (49304)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRAZINE, WATER, DISS, REC (UG/L) (04040)	DEETHYL DEISOPROPYL ATRAZIN DISS, REC (UG/L) (04039)	DEISOPROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DIAZINON, DISSOLVED (UG/L) (39572)	DICAMBA WATER, FLTRD, GF 0.7U REC (UG/L) (38442)	DICHLORPROP, WATER, FLTRD, GF 0.7U REC (UG/L) (49302)	DIELDRIN DISSOLVED (UG/L) (39381)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	--	--	--	--	--	--	--	--	--	--	--	--
04...	<.01	E.012	<.01	<.01	<.003	E.414	E.02	E.14	.091	<.01	<.01	<.005
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	DINOSEB WATER, FLTRD, GF 0.7U REC (UG/L) (49301)	DIPHENAMID, WATER, DISS, REC (UG/L) (04033)	DISULFOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	DIURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49300)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHOPROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)	FENURON, WATER, FLTRD, GF 0.7U REC (UG/L) (49297)	FLUMETSULAM WATER FLTRD REC (UG/L) (61694)	FLUOMETURON WATER, FLTRD, GF 0.7U REC (UG/L) (38811)	FONOFOS WATER DISS REC (UG/L) (04095)	GLUFOSINATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62721)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	--	--	--	--	--	--	--	--	--	--	--	--
04...	<.01	<.03	<.02	E.02	<.002	<.009	<.005	<.03	<.01	E.03	<.003	<.1
06...	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes:
- < -- Less than
- E -- Estimated value

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

323805090514700 DEER CREEK AT VALLEY PARK, MS--Continued

Date	GLYPHO-SATE, WATER, FLTRD, GF 0.7U REC (UG/L) (62722)	HYDROXY ATRA-ZINE WATER FLTRD REC (UG/L) (50355)	IMAZ-AQUIN WATER FLTRD REC (UG/L) (50356)	IMAZE-THAPYR WATER FLTRD REC (UG/L) (50407)	IMID-ACLOP-RID WATER FLTRD REC (UG/L) (61695)	LINDANE DIS-SOLVED (UG/L) (39341)	LINURON WATER, FLTRD, GF 0.7U REC (UG/L) (38478)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	MCPA, WATER, FLTRD, GF 0.7U REC (UG/L) (38482)	MCPB, WATER, FLTRD, GF 0.7U REC (UG/L) (38487)	METAL-AXYL WATER FLTRD REC (UG/L) (50359)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	--	--	--	--	--	--	--	--	--	--	--	--
04...	<.1	E1.16	<.02	<.02	<.007	<.004	<.01	<.035	E.021	<.02	<.01	E.01
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	METHIO-CARB, WATER, FLTRD, GF 0.7U REC (UG/L) (38501)	METH-OMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (49296)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MET-SUL-FURON METHYL WAT FLT REC (UG/L) (61697)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	NEB-URON, WATER, FLTRD, GF 0.7U REC (UG/L) (49294)	NICOSUL FURON WATER FLTRD REC (UG/L) (50364)	NORFLUR AZON, WATER, FLTRD, GF 0.7U REC (UG/L) (49293)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	--	--	--	--	--	--	--	--	--	--	--	--
04...	<.008	<.004	<.050	<.006	E.007	<.006	<.03	.007	<.007	<.01	<.01	<.02
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	ORY-ZALIN, WATER, FLTRD, GF 0.7U REC (UG/L) (49292)	OXAMYL, WATER, FLTRD, GF 0.7U REC (UG/L) (38866)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PIC-LORAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49291)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	--	--	--	--	--	--	--	--	--	--	--	--
04...	<.02	<.01	<.003	<.010	<.004	<.022	<.006	<.011	<.02	<.01	<.004	<.010
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	PRO-PHAM, WATER, FLTRD, GF 0.7U REC (UG/L) (49236)	PROP-ICONA-ZOLE , WATER FLTRD REC (UG/L) (50471)	PRO-POXUR, WATER, FLTRD, GF 0.7U REC (UG/L) (38538)	SIDURON WATER FLTRD REC (UG/L) (38548)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	SULFO-MET-RURON METHYL WTR FLT REC (UG/L) (50337)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL, WATER, DISS, REC (UG/L) (04032)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	--	--	--	--	--	--	--	--	--	--	--	--
04...	<.011	<.02	<.010	<.02	E.006	<.02	.015	<.009	E.01	<.010	<.034	<.02
06...	--	--	--	--	--	--	--	--	--	--	--	--

Date	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-BENURON METHYL WATER FLTRD (UG/L) (61159)	TRI-CLOPYR, WATER, FLTRD, GF 0.7U REC (UG/L) (49235)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	UREA 3(4-CHLOR OPHENYL METHYL WAT FLT REC (UG/L) (61692)	ALDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39333)	CHLOR-DANE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39351)	DI-ELDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39383)	ENDO-SULFAN I TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39393)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)
AUG												
28...	--	--	--	--	--	--	--	--	--	--	--	--
SEP												
04...	--	--	--	--	--	--	--	--	--	--	--	--
04...	.006	<.002	--	<.02	<.009	<.02	<.4	<6	<.4	<.4	2.1	<.4
06...	--	--	--	--	--	--	--	--	--	--	--	--

Remark codes:
< -- Less than
E -- Estimated value

DEER CREEK WATER-QUALITY SYNOPTIC STUDY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

323805090514700 DEER CREEK AT VALLEY PARK, MS--Continued

Date	HEPTA-CHLOR, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39413)	LINDANE TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39343)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	MIREX, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39758)	P,P'-DDD, RECOVER IN BOT-TOM MA-TERIAL (UG/KG) (39363)	P,P'-DDE, RECOVER IN BOT-TOM MA-TERIAL (UG/KG) (39368)	P,P'-DDT, RECOVER IN BOT-TOM MA-TERIAL (UG/KG) (39373)	PCB, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39519)	TOXA-PHENE, TOTAL IN BOT-TOM MA-TERIAL (UG/KG) (39403)	SEDI-MENT, SUS-PENDED (MG/L) (80154)
AUG										
28...	--	--	--	--	--	--	--	--	--	--
SEP										
04...	--	--	--	--	--	--	--	--	--	--
04...	<.4	<.4	<5.0	<.4	35	130	12	<10	<100	109
06...	--	--	--	--	--	--	--	--	--	--

323437090502100 DEER CREEK NEAR HARDEE, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
05...	1618	10.28	--	10	--	--	--	--	--	--	--	8000
05...	1619	--	1.00	50	--	63	2.9	7.0	199	27.0	--	8000
05...	1620	--	E2.00	50	--	--	1.5	6.7	200	26.0	--	8000

323244090492300 DEER CREEK NEAR FLOWEREE, MS

Date	Time	GAGE HEIGHT (FEET) (00065)	SAM-PLING DEPTH (FEET) (00003)	SAM-PLING METHOD, CODES (82398)	STREAM WIDTH (FT) (00004)	TUR-BID-ITY FIELD WATER UNFLTRD (NTU) (61028)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	SAMPLE LOC-ATION, CROSS SECTION (FT FM L BANK) (00009)	SAMPLER TYPE (CODE) (84164)
SEP												
05...	1627	26.04	--	10	--	16	3.1	6.4	126	28.5	--	8000

Remark codes:
< -- Less than
E -- Estimated value

GROUND-WATER LEVELS

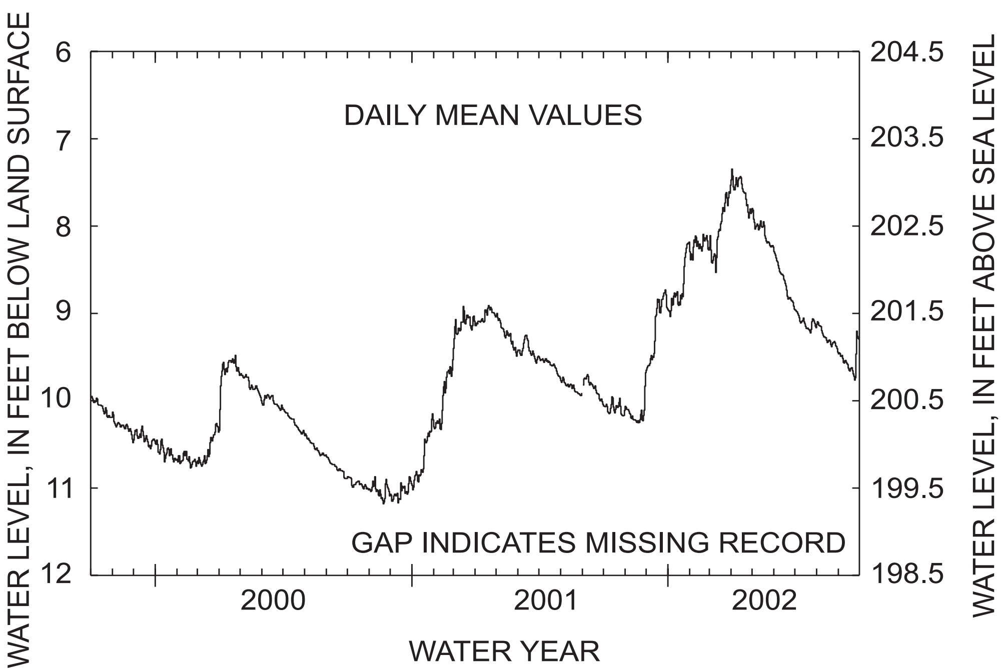
GRENADA COUNTY

334215089442701. Local number H024.
LOCATION.--Lat 33°42'21", long 89°44'27", in NW1/4 NE1/4 sec. 11, T.21 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, at old Camp McCain site, 1 mi northeast of Elliott.
Owner: Charles Blakely (formerly U.S. Army).
AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled unused water-table well, diameter of casing 18-12 in, depth 82 ft.
INSTRUMENTATION.--Handar 555 Data Collection Platform installed February 1998. Water level transmitted every 4 hours.
DATUM.--Land-surface datum is 210.5 ft above NGVD of 1929. Measuring point: Top of 12-in casing, 1.00 ft above land-surface datum.
PERIOD OF RECORD.--Miscellaneous water-level measurements 1943, February 1998 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.95 ft below land-surface datum Mar. 19, 1998, lowest measured 11.18 ft, Nov. 21, 2001.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.04	10.10	9.60	8.97	8.39	8.42	7.59	8.03	8.40	9.00	9.14	9.49
10	10.14	10.20	9.49	8.77	8.13	8.53	7.55	8.04	8.53	9.10	9.25	9.54
15	10.07	10.22	9.02	8.89	8.21	8.04	7.45	8.01	8.61	9.12	9.31	9.63
20	10.06	10.25	8.99	8.83	8.09	7.79	7.62	8.14	8.80	9.18	9.32	9.62
25	10.06	10.22	8.80	8.36	8.11	7.62	7.84	8.19	8.84	9.09	9.33	9.74
EOM	10.11	---	8.95	8.18	---	7.53	---	8.24	---	9.16	9.44	---

WTR HIGH 7.35 APR 2 LOW 10.25 NOV 20

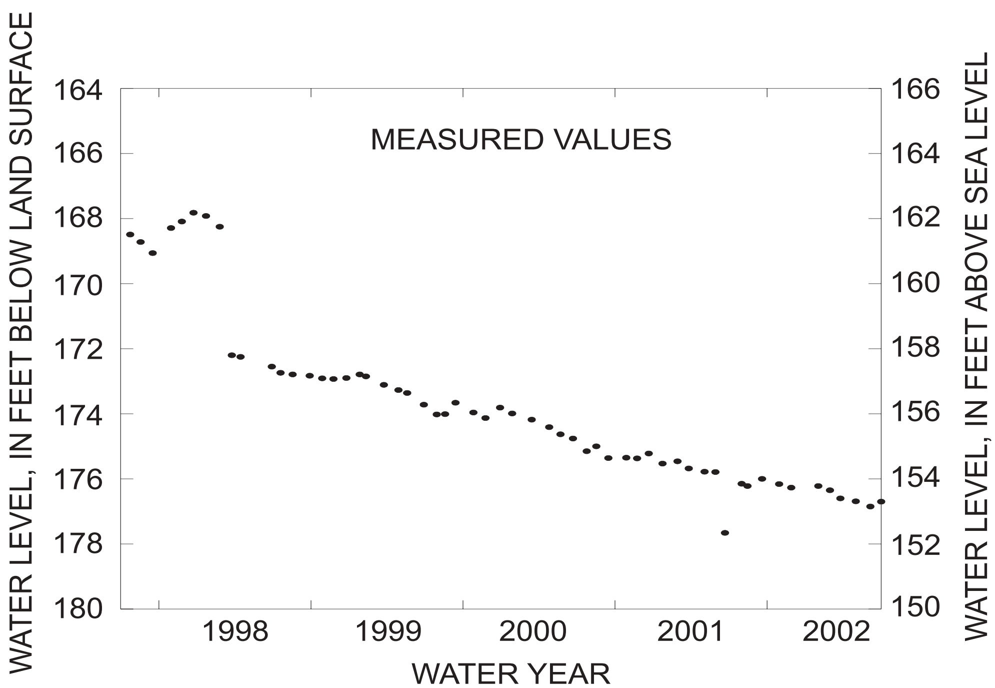


HINDS COUNTY

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 NGVD of 1929. Measuring point: Top of casing, 40 ft above land-surface datum.
REMARKS.--Slug tested June 1998, well response sluggish, cleaned well with air, water level changed about 4 feet.
PERIOD OF RECORD.--Periodic water-level measurements July 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 143.13 ft below land-surface datum, Jul. 11, l972, lowest measured, 176.85 ft below land-surface datum, Sept. 4, 2002.

WATER LEVEL, IN FEET BELOW LAND-SUFRACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	175.15	DEC 18	176.00	FEB 26	176.27	MAY 2	176.22	JUN 25	175.68	SEP 4	176.85
NOV 13	176.22	JAN 28	176.19	--- --	------	May 30	176.35	JUL 31	176.69	SEP 30	176.70



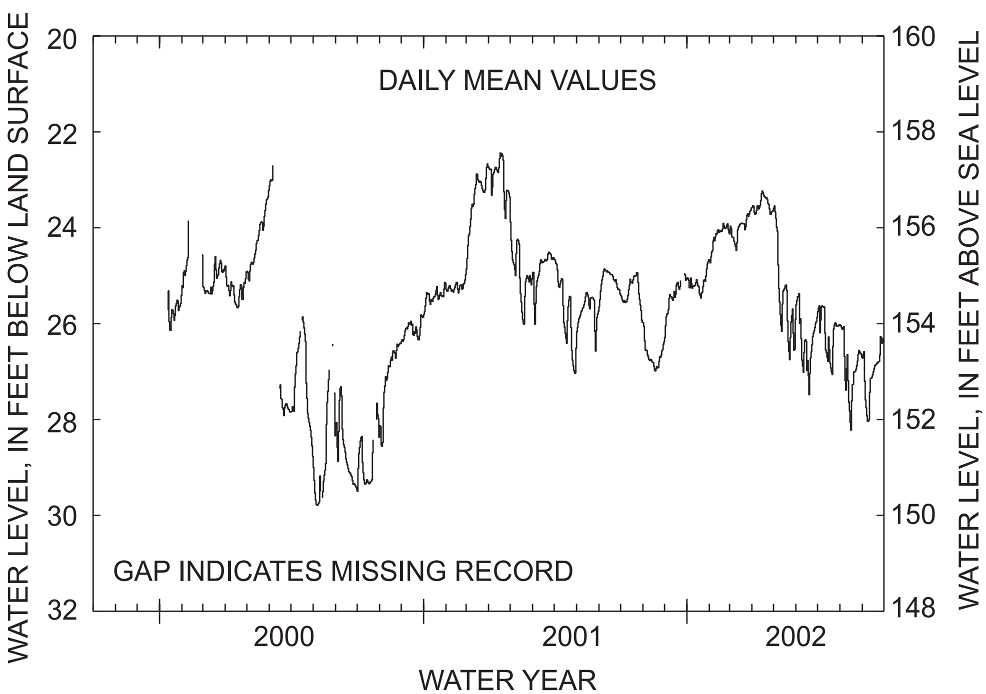
WAYNE COUNTY

314115088392301. Local number, N151.
LOCATION.--Lat 31°41'07", long 88°39'27", in NE1/4 SE1/4 sec.2, T.8 N., R.7 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, 1 mi northwest of center of Waynesboro at Turner Street and Gulf Mobile and Ohio Railroad. Owner: Town of Waynesboro.
AQUIFER.--Waynesboro Sand Lentil of Byram Formation of Oligocene age.
WELL CHARACTERISTICS.--Drilled unused artesian aquifer, diameter 18-8 in, depth 82 ft.
INSTRUMENTATION.--Handar 555 Data Collection Platform. Water level transmitted very 4 hours.
DATUM.--Land-surface datum is 180 ft above NGVD of 1929. Measuring point: 1-in breather pipe inside shelter, 2.30 ft above land-surface datum.
PERIOD OF RECORD.--Miscellaneous measurements 1973, February 1975 to September 1993, February 1998 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.52 ft below land-surface datum, Apr. 5, 1990, lowest measured, 35.73 ft below land-surface datum, Jan. 22, 1981.

DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET), WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	25.55	26.55	25.79	25.25	24.48	24.21	23.72	23.99	25.38	25.92	26.08	27.59
10	25.49	26.77	25.43	25.21	24.12	24.47	23.61	25.81	26.88	25.65	26.94	28.01
15	25.15	26.81	25.45	25.15	24.09	23.93	23.23	25.29	26.37	26.79	28.06	27.07
20	25.00	26.90	25.23	25.46	23.91	23.91	23.38	25.94	27.04	27.00	27.01	26.85
25	25.14	26.70	---	25.08	23.94	23.74	23.61	25.97	26.20	25.99	26.78	26.65
EOM	25.98	---	25.08	24.67	---	23.59	---	25.91	---	26.04	26.69	---

WTR HIGH 23.23 APR 15 LOW 28.04 SEP 8



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 NGVD of 1929 (from topographic map).
Measuring point: Air vent at pump base, 2.10 ft above land-surface datum.
REMARKS.--Water level affected by length of time pump off before measurement made.
PERIOD OF RECORD.--April 1960, September 1976, October 1980, July 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 192.0 ft below land-surface datum, Apr. 15, 1960, lowest measured, 249.74 ft below land-surface datum, Oct. 5, 1999.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	245.73	APR 2	244.49

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 NGVD of 1929 (from topographic map).
Measuring point: Air vent at pump base, 2.15 ft above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--July 1984, May 1988 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 225 ft below land surface datum, July 18, 1984, lowest measured, 285.92 ft below land-surface datum, Feb. 25, 1994.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	274.24	APR 2	268.95

322003090092501. Local number, H196.
LOCATION.--Lat 32°20'11", long 90°09'33", in SE1/4 NE1/4 sec.25, T.6 N., R.1 E., Choctaw Meridian, Hinds County. Hydrologic Unit 03180002, near intersecton of Interstate 55 and Lakeland Drive at Mississippi Agriculture and Forestry Museum.
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 NGVD of 1929 (from topographic map).
Measuring point: Top of 4-inch well seal, 0.8 ft above land-surface datum.
PERIOD OF RECORD.--April 1994 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 135.14 ft below land-surface datum, Apr. 26, 1994, lowest measured, 148.20 ft below land-surface datum, Sep. 4, 2002.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	147.52	DEC 18	147.06	FEB 26	147.43	APR 29	147.52	JUN 24	147.88	SEP 4	148.20
NOV 13	147.32	JAN 28	147.23	--- --	145.94	MAY 30	147.51	AUG 31	148.00	SEP 30	148.17

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 NGVD of 1929 (from topographic map).
Measuring point: Air vent at pump base, 4.10 ft above land-surface datum.
REMARS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--August 1968, April 1973, May 1987, May 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 225 ft below land-surface datum, Aug. 1968, lowest measured, 320.62 ft below land-surface datum Sept. 30, 2002.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	314.60	DEC 18	312.35	FEB 26	312.85	APR 29	312.99	JUN 24	314.36	SEP 4	318.58
NOV 13	315.60	JAN 28	314.25	--- --	------	--- --	------	JUL 31	314.86	SEP 30	320.62

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 NGVD of 1929 (from topograpic map).
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--October 1980, May 1993 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 250 ft below land-surface datum, Oct. 20, 1980, lowest measured, 315.80 ft below land-surface datum, OCT.23, 2000.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	301.60	--- --	------	FEB 26	298.85	APR 29	295.55	JUN 24	291.80	--- --	------
NOV 14	297.13	JAN 29	298.23	--- --	------	MAY 31	293.39	JUL 31	292.70	SEP 30	301.24

HINDS COUNTY--Continued

321752090102601. Local number, N092.
LOCATION.--Lat 32°17'59", long 90°10'32", in SW1/4 SW1/4 sec.2, T.5 N., R.1 E., Choctaw Meridain, 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 NGVD of 1929 (from topographic map).
Measuring point: Top of 4-in casing, 1.00 ft above land-surface datum.
PERIOD OF RECORD.--June 1986 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 99.01 ft below land-surface datum, June 6, 1986, lowest measured 112.12 ft below land-surface datum, May 30, 2002.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	111.08	DEC 18	110.18	FEB 26	110.92	APR 29	111.16	JUN 24	111.30	SEP 4	111.55
NOV 30	111.04	JAN 28	110.26	--- --	------	MAY 30	112.12	JUL 31	111.27	SEP 20	110.45

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 NGVD of 1929 (from topographic map).
Measuring point: Top of concrete base, 1.65 ft above land-surface datum.
REMARKS.--Water level affected by nearby pumping.
PERIOD OF RECORD.--September 1959, September 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65 ft below land-surface datum, Sept. 1959, lowest measured, 199.57 ft below land-surface datum, Oct. 5, 1999.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	189.20	APR 2	191.54

MADISON COUNTY

322415090085001. Local number, V029.
LOCATION.--Lat 32°24'22", long 90°09'45", in NW1/4 SE1/4 sec.35, T.7 N., R.1 E., Choctaw Meridian, Madison County. Hydrologic Unit 03180002, 0.1 mi west of center of Tougaloo at Tougaloo College.
Owner: Tougaloo College.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled institutional use artesian well, diameter 12 in, depth 831 ft.
DATUM.-Land-surface datum is 355 ft above NGVD of 1929 (from topographic map).
Measuring point: 3/4-in air vent, 2.00 ft above land-surface datum.
PERIOD OF RECORD.--June 1969, July 1992 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 233 ft below land-surface datum, June 1969, lowest measured, 325.64 ft below land-surface datum, Nov. 15, 2000.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	312.69	DEC 19	309.80	--- --	------	APR 29	313.66	JUN 24	312.90	SEP 4	317.42
NOV 13	314.71	JAN 28	313.29	--- --	------	MAY 30	312.36	JUL 31	312.99	SEP 30	316.89

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 NGVD of 1929 (from topographic map).
Measuring point: Top of concrete base 0.50 ft or hole in plate on well head (since Apr. 24, 1961) at land-surface datum.
REMARKS.--Water levels affectd by nearby pumping.
PERIOD OF RECORD.--January 1957 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 112.88 ft below land-surface datum, Apr. 12, 1957, lowest measured, 216.91 ft below land-surface datum, Oct.10, 2000.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	209.77	APR 2	204.43

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 NGVD of 1929 (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 October 2002. Well plugged with concrete October 2002. Discontinued Nov. 18, 2002.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 167 ft below land-surface datum, Oct. 14, 1963, lowest measured, 263.57 ft below land-surface datum, Sept. 20, 2000.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	253.20	NOV 13	255.37	JAN 28	251.64	APR 29	253.06	JUN 24	262.74	SEP 4	259.09
OCT 30	254.85	DEC 18	252.42	FEB 26	251.98	MAY 28	259.46	JUL 31	261.57	SEP 30	260.73

MADISON COUNTY--Continued

322514090080901. Local number, W069.
LOCATION.--Lat 32°25'13", long 90°08'10", in NE1/4 SW1/4 sec.30, T.7 N., R.2 E., Choctaw Meridian, Madison County. Hydrologic Unit 03180002, 0.5 mi south of Natchez Trace, west side of U.S. Highway 51 at Ridgeland.
Owner: City of Ridgeland.
AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.
WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-inch, depth 1161 ft.
DATUM.--Land-surface datum is 350 ft above NGVD of 1929 (from topographic map).
Measuring point: 3/4-inch water faucet tap at the top of pump column, 2.45 ft above land-surface datum (old measuring point of 1.70 ft changed Aug. 3, 2001).
REMARKS.--Water levels affectd by the length of pumping time prior to recovery and measurement.
PERIOD OF RECORD.--December 1986, September 1994 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 258 ft below land-surface datum, Dec. 30, 1986, lowest measured, 329.10 ft below land-surface datum, Aug.21, 2000.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	315.60	DEC 19	310.75	FEB 26	307.87	MAY 31	309.27	JUN 24	320.54	--- --	-----
NOV 14	315.85	JAN 29	315.11	MAY 2	312.64	--- --	------	JUL 31	322.42	SEP 30	326.62

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 NGVD of 1929 (from topographic map).
Measuring point: Vent pipe at pump base, 1.10 ft above land-surface datum.
REMARKS.--Water level affected by limited time pump off.
PERIOD OF RECORD.--November 1987 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 290.42 ft below land-surface datum, Dec. 22, 1987, lowest measured, 343.98 below land-surface datum, Oct. 5, 2000.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	341.65	APR. 2	334.75

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 NGVD of 1929 (from topographic map).
Measuring point: Air vent at pump motor base, 1.70 ft above land-surface datum.
REMARKS.--Water level affected by limited time pump off.
PERIOD OF RECORD.--November 1980, August 1981 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 155 ft below land-surface datum, Nov. 9, 1980, lowest measured, 244.50 ft below land-surface datum, Oct. 5, 2000.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	225.22	APR 3	227.85

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 NGVD of 1929.
Measuring point: Top of 4-in casing, 3.05 ft above land-surface datum.
REMARKS.--Water levels affected by nearby pumping.
PERIOD OF RECORD.--November 1958, February 1996 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 117.95 ft below land-surface datum Nov. 1958, lowest measured 242.78 ft below land-surface datum, Oct. 10, 2000.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	238.71	APR 2	231.83

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 intersecton 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 NGVD of 1929.
Measuring point: Top of 10-in casing, 1.00 ft above land-surface datum.
PERIOD OF RECORD:--Miscellaneous water-level measurements June 1961, September 1998 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 133 ft below land-surface datum, Jun. 9, 1961, lowest measured, 208.68 ft below land-surface datum Aug. 21, 2000.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	203.57	DEC 18	203.07	FEB 26	201.74	APR 29	201.54	JUN 24	203.98	SEP 4	203.88
NOV 13	203.60	JAN 28	202.03	--- --	------	MAY 30	203.18	JUL 31	204.56	SEP 30	203.25

Aquifer names corresponding to geologic units listed in the QUALITY OF GROUND WATER table are given below.

Geologic Unit	Aquifer Name
110ALVM	Quaternary alluvium, Quaternary
110TRCS	Undifferentiated terrace deposits, Quaternary
111ALVM	Holocene alluvium, Holocene
111TRCS	Undifferentiated terrace deposits, Holocene
112MRVA	Mississippi River alluvial aquifer, Pleistocene
112TRCS	Undifferentiated terrace deposits, Pleistocene
121CRNL	Citronelle Formation, Pliocene
121GRMF	Graham Ferry Formation, Pliocene
122PCGL	Pascagoula Formation, Miocene
122HBRG	Hattiesburg Formation, Miocene
122MOCN	Miocene Series, Miocene
122CTHL	Catahoula Formation, Miocene
122CTHLU	Upper Catahoula Formation, Miocene
122CTHLM	Middle Catahoula Formation, Miocene
122CTHLL	Lower Catahoula Formation, Miocene
123WSBR	Waynesboro Sand Lentil (informal usage) of Byram Formation, Oligocene
123CCKS	Chickasawhay Limestone, Oligocene
123VKBG	Vicksburg Group, Oligocene
123MSPG	Mint Spring Marl member of Marianna Limestone, Oligocene
123FRHL	Forest Hill Sand, Oligocene
124MDBC	Moodys Branch Formation, Eocene
124CCKF	Cockfield Formation, Eocene
124SPRT	Sparta Sand, Eocene
124TLLT	Tallahatta Formation, Eocene
124MUWX	Meridian-Upper Wilcox aquifer, Eocene
124WLCXM	Middle Wilcox aquifer, Eocene
124WLCXL	Lower Wilcox aquifer, Eocene
211RPLY	Ripley Formation, Upper Cretaceous
211COFF	Coffee Sand, Upper Cretaceous
211EUTW	Eutaw Formation, Upper Cretaceous
211EUTWR	Eutaw Formation (restricted), Upper Cretaceous
211EUTWL	Lower Eutaw Formation, Upper Cretaceous
211MCSN	McShan Formation, Upper Cretaceous
211GORD	Gordo Formation, Upper Cretaceous
211COKR	Coker Formation, Upper Cretaceous
211MSSV	Massive Sand, Upper Cretaceous
300PLZC	Paleozoic Erathem, Paleozoic
331TCMB	Tuscumbia Limestone, Upper Mississippian
337FRPN	Fort Payne Chert, Lower Mississippian

CARROLL COUNTY

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

333228090050201 DO66 CARROLL

Date	Time	Field sample comment	DEPTH OF WELL, TOTAL (FEET) (72008)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)
AUG 09-13	0630	Interstitial H2O from deposits overlying 112MRVA	5	--	8010	--	--
AUG 13-26	1400	Interstitial H2O from deposits overlying 112MRVA	5	--	8010	--	--
AUG 26-OCT 24	1035	Interstitial H2O from deposits overlying 112MRVA	5	<5	8010	7.0	405

Date	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)
AUG 09-13	--	--	--	--	--	--	--	--	--	--	--	--
AUG 13-26	--	--	--	--	--	--	--	--	--	--	--	--
AUG 26-OCT 24	3.30	1.50	2.20	76.0	69	17.0	.1	40.0	85.0	263	1.80	49.0

Date	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	AMETRYN WATER, DISS, REC, (UG/L) (38401)	ANILINE 3-(TRI FLURO-METHYL) FILT, REC, (UG/L) (50307)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	CYANA-ZINE-AMIDE WATER FLTRD REC (UG/L) (61709)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DEISO-PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DEISO-PROPYL-METRYN WATER FLTRD REC (UG/L) (50378)	DEMETH-YLFLUO-METURON WATER FLTRD REC (UG/L) (50379)	DEMETH-YLNORF-LURAZON WATER FLTRD REC (UG/L) (50380)
AUG 09-13	--	--	--	--	--	--	--	--	--	--	--	--
AUG 13-26	<.050	<.05	<.05	<.050	<.05	<.05	<.05	<.05	<.05	<.050	<.050	<.050
AUG 26-OCT 24	--	--	--	--	--	--	--	--	--	--	--	--

Date	FLUO-MET-URON WATER FLTRD REC (UG/L) (61710)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOLI-NATE WATER FLTRD REC (UG/L) (50375)	NORFLU-RAZONE WATER FLTRD REC (UG/L) (50332)	PENDI-METH-ALIN WATER FLTRD REC (UG/L) (50376)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRO-METRYN, WATER, DISS, REC (UG/L) (04036)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PROP-ANIL WATER FLTRD REC (UG/L) (50377)	PROP-AZINE WATER DISS REC (UG/L) (38535)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)
AUG 09-13	--	--	--	--	--	--	--	--	--	--	--	--
AUG 13-26	<.050	<.05	<.05	<.05	<.05	<.050	<.05	<.05	<.050	<.05	<.05	<.05
AUG 26-OCT 24	--	--	--	--	--	--	--	--	--	--	--	--

Date	TER-BUTRYN WATER, DISS, REC (UG/L) (38888)	TRI-FLUR-ALIN WATER, DISS, REC (UG/L) (38574)	UREA, 3-TRI-FLUORO-METHYL-PHENYL UNFLTRD (UG/L) (50473)	TRITIUM TOTAL (PCI/L) (07000)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL (PCI/L) (75985)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
AUG 09-13	--	--	--	9.7	.64	74.00	8010	30.00
AUG 13-26	<.05	<.05	<.050	--	--	74.00	8010	30.00
AUG 26-OCT 24	--	--	--	--	--	74.00	8010	30.00

Remark codes:
< -- Less than

CARROLL COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

333228090050202 D067 CARROLL

Date	Time	Field sample comment	DEPTH OF WELL, TOTAL (FEET) (72008)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)
AUG 06-12	1130	Interstitial H2O from deposits overlying 112MRVA	12	--	8010	--	--
AUG 12-26	1130	Interstitial H2O from deposits overlying 112MRVA	12	--	8010	--	--
AUG 26-OCT 24	1145	Interstitial H2O from deposits overlying 112MRVA	12	<5	8010	6.2	307

Date	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)
AUG 06-12	--	--	--	--	--	--	--	--	--	--	--	--
AUG 12-26	--	--	--	--	--	--	--	--	--	--	--	--
AUG 26-OCT 24	3.30	1.70	.40	50.0	19	24.0	<.1	68.0	88.0	269	.44	110

Date	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	AMETRYN WATER, DISS, REC, (UG/L) (38401)	ANILINE 3-(TRI FLURO-METHYL) FILT, REC, (UG/L) (50307)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	CYANA-ZINE-AMIDE WATER FLTRD REC (UG/L) (61709)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DEISO-PROPYL ATRAZIN WATER, DISS, REC (UG/L) (04038)	DEISO-PROPYL-METRYN WATER FLTRD REC (UG/L) (50378)	DEMETH-YLFLUO-METURON WATER FLTRD REC (UG/L) (50379)	DEMETH-YLNORF-LURAZON WATER FLTRD REC (UG/L) (50380)
AUG 06-12	--	--	--	--	--	--	--	--	--	--	--	--
AUG 12-26	<.050	<.05	<.05	<.050	<.05	<.05	<.05	<.05	<.05	<.050	<.050	<.050
AUG 26-OCT 24	--	--	--	--	--	--	--	--	--	--	--	--

Date	FLUO-MET-URON WATER FLTRD REC (UG/L) (61710)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOLI-NATE WATER FLTRD REC (UG/L) (50375)	NORFLU-RAZONE WATER FLTRD REC (UG/L) (50332)	PENDI-METH-ALIN WATER FLTRD REC (UG/L) (50376)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRO-METRYN, WATER, DISS, REC (UG/L) (04036)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PROP-ANIL WATER FLTRD REC (UG/L) (50377)	PROP-AZINE WATER DISS REC (UG/L) (38535)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)
AUG 06-12	--	--	--	--	--	--	--	--	--	--	--	--
AUG 12-26	<.050	<.05	<.05	<.05	<.05	<.050	<.05	<.05	<.050	<.05	<.05	<.05
AUG 26-OCT 24	--	--	--	--	--	--	--	--	--	--	--	--

Date	TER-BUTRYN WATER, DISS, REC (UG/L) (38888)	TRI-FLUR-ALIN WATER, DISS, REC (UG/L) (38574)	UREA, 3-TRI-FLUORO-METHYL-PHENYL UNFLTRD (UG/L) (50473)	TRITIUM TOTAL (PCI/L) (07000)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL (PCI/L) (75985)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
AUG 06-12	--	--	--	13.5	.90	74.00	8010	30.00
AUG 12-26	<.05	<.05	<.050	--	--	74.00	8010	30.00
AUG 26-OCT 24	--	--	--	--	--	74.00	8010	30.00

Remark codes:
< -- Less than

FRANKLIN COUNTY

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

312417091033501 L043 FRANKLIN

Date	Time	Geo-logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG												
20...	1425	122MOCN	115	7.5	15	5	4040	170	5.3	14300	270	94.0

Date	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)
AUG												
20...	12.0	2670	11	5470	<.1	28.0	<10.0	8860	.89	2.50	.010	<.01

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
AUG					
20...	<10	2560	26.00	4040	8.00

312415091033501 L044 FRANKLIN

Date	Time	Geo-logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG												
20...	1055	122MOCN	82	4.0	15	5	4040	170	5.5	1540	106	38.0

Date	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)
AUG												
20...	5.00	110	13	460	<.1	42.0	5.40	1010	<.01	.50	<.010	<.01

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
AUG					
20...	7	15	26.00	4040	8.00

Remark codes:
< -- Less than

FRANKLIN COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

312416091033301 L045 FRANKLIN

Date	Time	Geo-logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG 20...	1130	122MOCN	75	4.5	10	20	4040	170	5.6	7320	278	110

Date	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)
AUG 20...	6.40	1000	24	2460	<.1	28.0	7.20	4410	.01	1.60	<.010	<.01

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
AUG 20...	13	1030	26.00	4040	8.00

312417091033401 L046 FRANKLIN

Date	Time	Geo-logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG 20...	1455	122MOCN	111	6.8	15	<5	4040	170	5.3	13300	252	86.0

Date	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)
AUG 20...	13.0	2470	10	4910	<.1	37.0	<10.0	8040	.83	2.30	.020	<.01

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
AUG 20...	29	2330	26.00	4040	8.00

Remark codes:
< -- Less than

FRANKLIN COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

312414091033701 L047 FRANKLIN

Date	Time	Geo-logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG												
20...	1325	122MOCN	86	4.5	15	5	4040	170	5.1	17100	441	183

Date	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)
AUG												
20...	10.0	2910	11	6420	<.1	27.0	<10.0	10600	.02	2.50	<.010	<.01

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
AUG					
20...	11	11600	26.00	4040	8.00

312416091033701 L048 FRANKLIN

Date	Time	Geo-logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG												
20...	1250	122MOCN	88	4.0	20	5	4040	170	5.8	9950	265	101

Date	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)
AUG												
20...	9.30	1600	25	3800	<.1	22.0	<10.0	6370	.04	1.40	<.010	<.01

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
AUG					
20...	156	2860	26.00	4040	8.00

Remark codes:
< -- Less than

FRANKLIN COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

312417091033701 L049 FRANKLIN

Date	Time	Geo- logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN) (72004)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SAM- PLING METHOD, CODES (82398)	WELL PURGING CONDI- TION (CODE) (84143)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
AUG												
20...	0940	122MOCN	119	6.8	20	5	4040	170	5.8	128	7.10	2.60

Date	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	ORTHO- PHOS- PHATE, DIS- SOLVED (MG/L AS P) (00671)
AUG												
20...	1.70	11.0	18	25.0	<.1	41.0	3.50	111	.01	.13	<.010	<.01

Date	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)
AUG					
20...	3	6	26.00	4040	8.00

312417091033601 L050 FRANKLIN

Date	Time	Geo- logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN) (72004)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SAM- PLING METHOD, CODES (82398)	WELL PURGING CONDI- TION (CODE) (84143)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
AUG												
20...	1355	122MOCN	80	5.0	10	5	4040	170	5.5	12800	252	107

Date	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	ORTHO- PHOS- PHATE, DIS- SOLVED (MG/L AS P) (00671)
AUG												
20...	8.30	2300	23	4760	<.1	26.0	<10.0	7670	.12	2.20	<.010	<.01

Date	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)
AUG					
20...	16	9920	26.00	4040	8.00

Remark codes:
< -- Less than

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

312418091033401 L051 FRANKLIN

Date	Time	Geo-logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG												
20...	1525	122MOCN	109	6.8	15	<5	4040	170	5.4	14800	210	73.0

Date	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)
AUG												
20...	13.0	2800	15	5490	<.1	22.0	<10.0	8960	1.70	2.90	.080	<.01

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
AUG					
20...	10	2850	26.00	4040	8.00

312421091033601 L053 FRANKLIN

Date	Time	Geo-logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG												
20...	1015	122MOCN	89	5.0	10	20	4040	170	5.9	2210	14.0	4.80

Date	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)
AUG												
20...	2.40	410	22	690	<.1	32.0	1.60	1230	<.01	1.70	<.010	<.01

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
AUG					
20...	245	16	26.00	4040	8.00

Remark codes:
< -- Less than

FRANKLIN COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

312422091033601 L054 FRANKLIN

Date	Time	Geo-logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	FLOW RATE (G/M) (00059)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE LAB (STAND-ARD UNITS) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (US/CM) (90095)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)
AUG												
20...	1210	122MOCN	80	2.5	10	5	4040	170	5.2	3910	241	90.0

Date	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)
AUG												
20...	8.10	280	8	1170	<.1	48.0	5.10	2380	.01	.38	<.010	<.01

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
AUG					
20...	139	965	26.00	4040	8.00

Remark codes:
< -- Less than

HARRISON COUNTY

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

303355089160801 A033 HARRISON

Date	Time	Geo- logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN) (72004)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SAM- PLING METHOD, CODES (82398)	WELL PURGING CONDI- TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
APR												
18...	0850	121GRMF	515	20	<5	4090	170	--	54	22.0	3.50	49

Date	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)
APR					
18...	3	2	27.00	4090	8.00

303554089125401 B221 HARRISON

Date	Time	Geo- logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN) (72004)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SAM- PLING METHOD, CODES (82398)	WELL PURGING CONDI- TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
APR												
15...	1455	121GRMF	430	10	<5	4040	170	7.0	108	22.0	3.30	110

Date	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)
APR					
15...	228	18	27.00	4040	8.00

303351089090901 B229 HARRISON

Date	Time	Geo- logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN) (72004)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SAM- PLING METHOD, CODES (82398)	WELL PURGING CONDI- TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
APR												
15...	1315	122PCGL	600	10	<5	4090	170	8.6	188	22.5	2.50	144

Date	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)
APR					
15...	2	5	27.00	4090	8.00

Remark codes:
< -- Less than

HARRISON COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

303545089071002 C112 HARRISON

Date	Time	Geo-logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
APR												
18...	1020	122HBRG	1140	25	<5	4090	170	--	30	--	4.90	20

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
APR					
18...	3	3	27.00	4090	8.00

303410089052801 C325 HARRISON

Date	Time	Geo-logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
APR												
15...	1210	122HBRG	1410	5	5	--	170	--	482	29.5	5.30	293

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
APR					
15...	7	8	26.00	4095	8.00

303335088593001 D026 HARRISON

Date	Time	Geo-logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
APR												
18...	1240	122PCGL	705	20	20	4040	170	8.6	611	24.0	3.20	370

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
APR					
18...	5	8	27.00	4040	8.00

Remark codes:
< -- Less than

HARRISON COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

303155089143901 E125 HARRISON

Date	Time	Geo- logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN) (72004)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SAM- PLING METHOD, CODES (82398)	WELL PURGING CONDI- TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
APR												
16...	1615	122PCGL	638	20	<5	4040	170	7.2	168	23.5	3.30	140

Date	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)
APR					
16...	276	96	27.00	4040	8.00

302958089112401 F375 HARRISON

Date	Time	Geo- logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN) (72004)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SAM- PLING METHOD, CODES (82398)	WELL PURGING CONDI- TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
APR												
15...	1600	121GRMF	560	15	<5	4090	170	8.4	257	23.5	4.10	185

Date	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)
APR					
15...	10	2	27.00	4090	8.00

303035089141101 F405 HARRISON

Date	Time	Geo- logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN) (72004)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SAM- PLING METHOD, CODES (82398)	WELL PURGING CONDI- TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
APR												
19...	1050	122PCGL	950	10	<5	4040	170	8.7	308	25.5	2.30	187

Date	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)
APR					
19...	11	1	26.00	4040	8.00

Remark codes:
< -- Less than

HARRISON COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

303114089055601 G005 HARRISON

Date	Time	Geo-logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
APR												
15...	1255	122PCGL	758	5	<5	4040	170	8.9	283	26.0	2.40	181

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
APR					
15...	5	2	26.00	4040	8.00

303329089025801 G247 HARRISON

Date	Time	Geo-logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
APR												
18...	1130	121GRMF	500	30	20	4040	170	7.3	133	--	3.00	130

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
APR					
18...	2040	44	28.00	4040	8.00

303216088595701 H403 HARRISON

Date	Time	Geo-logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
APR												
18...	1420	121GRMF	540	20	<5	4040	170	7.7	269	--	2.50	188

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
APR					
18...	68	89	26.00	4040	8.00

Remark codes:
< -- Less than

HARRISON COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

303216088595602 H440 HARRISON

Date	Time	Geo-logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
APR												
18...	1445	121GRMF	63	15	<5	4090	170	6.2	28	--	4.30	18

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
APR					
18...	18	9	27.00	4090	8.00

302600089153301 J132 HARRISON

Date	Time	Geo-logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
APR												
16...	1000	121GRMF	357	10	<5	4040	170	7.6	205	--	3.30	156

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
APR					
16...	57	51	27.00	4040	8.00

302745089174501 J172 HARRISON

Date	Time	Geo-logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
APR												
16...	1500	121GRMF	430	10	<5	4040	170	7.3	205	--	3.50	167

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
APR					
16...	319	100	27.00	4040	8.00

Remark codes:
< -- Less than

HARRISON COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

302506089103501 K246 HARRISON

Date	Time	Geo- logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN) (72004)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SAM- PLING METHOD, CODES (82398)	WELL PURGING CONDI- TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
APR												
16...	1250	121CRNL	70	10	<5	4040	170	--	204	--	3.30	150

Date	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)
APR					
16...	8	48	26.00	4040	8.00

302651089113801 K258 HARRISON

Date	Time	Geo- logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN) (72004)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SAM- PLING METHOD, CODES (82398)	WELL PURGING CONDI- TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
APR												
16...	1400	121GRMF	570	20	<5	4040	170	7.5	192	24.0	3.30	154

Date	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)
APR					
16...	32	69	27.00	4040	8.00

302518089082301 K327 HARRISON

Date	Time	Geo- logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM- PLING (MIN) (72004)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SAM- PLING METHOD, CODES (82398)	WELL PURGING CONDI- TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	TEMPER- ATURE WATER (DEG C) (00010)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
APR												
17...	1405	122PCGL	780	10	<5	--	170	8.5	278	25.5	3.20	188

Date	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)
APR					
17...	24	4	26.00	4095	8.00

Remark codes:
< -- Less than

HARRISON COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

302438088531001 M734 HARRISON

Date	Time	Geo-logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
APR												
17...	0930	122PCGL	1160	30	20	4090	170	8.6	1810	--	410	988

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
APR					
17...	63	33	27.00	4090	8.00

302815088590301 M791 HARRISON

Date	Time	Geo-logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
APR												
17...	1040	122PCGL	751	5	5	--	170	9.3	307	--	5.50	191

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
APR					
17...	8	3	26.00	4095	8.00

302239089161001 N333 HARRISON

Date	Time	Geo-logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
APR												
19...	0930	121GRMF	700	15	10	4040	170	8.6	554	--	18.0	334

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
APR					
19...	10	12	26.00	4040	8.00

HARRISON COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

302134089130201 O319 HARRISON

Date	Time	Geo-logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
APR												
19...	0850	121GRMF	467	10	<5	4040	170	7.0	223	--	3.50	190

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
APR					
19...	7	2	26.00	4040	8.00

302139089121001 O320 HARRISON

Date	Time	Geo-logic unit	DEPTH OF WELL, TOTAL (FEET) (72008)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	SAM-PLING METHOD, CODES (82398)	WELL PURGING CONDI-TION (CODE) (84143)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
APR												
16...	0810	122HBRG	1860	--	<5	4100	170	8.5	647	--	93.0	356

Date	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM-PLING CONDI-TION (72006)
APR					
16...	4	24	31.00	4100	4.00

Remark codes:
< -- Less than

MARSHALL COUNTY

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

344614089264701 P078 MARSHALL

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)	SAM-PLING METHOD, CODES (82398)	TUR-BID-ITY (NTU) (00076)	WELL PURGING CONDI-TION (CODE) (84143)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
JUN 17...	1500	124MUWX	340	3.0	90	4045	.20	160	756	9.3	5.6	138

Date	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	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)
JUN 17...	16.5	9.21	3.75	5.95	9.92	16	19	--	.03	10.5	<.1	14.8

Date	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	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)
JUN 17...	11.8	91	<.04	<.10	3.64	<.008	<.02	<1	E.03	E.1	35	<.06

Date	BORON, DIS-SOLVED (UG/L AS B) (01020)	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)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
JUN 17...	18	<.04	<.8	.06	4.2	<10	1.02	<.3	.3	<.2	.81	1.8

Date	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	THAL-LIUM, DIS-SOLVED (UG/L AS TL) (01057)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)
JUN 17...	<1	68.0	<.04	.7	13	<.006	<.006	<.004	<.005	<.007	<.010	<.002

Date	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)
JUN 17...	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005

Date	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)
JUN 17...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010

Remark codes:
< -- Less than
E -- Estimated value

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

344614089264701 P078 MARSHALL--Continued

Date	PEB-ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI-METH-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER-METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO-METON, WATER, DISS, REC (UG/L) (04037)	PRON-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA-CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO-PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO-PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI-MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU-THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER-BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)
JUN												
17...	<.004	<.022	<.006	<.011	M	<.004	<.010	<.011	<.02	<.005	<.02	<.034

Date	TER-BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO-BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL-LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	1,1,1-TRI-CHLORO-ETHANE TOTAL (UG/L) (34506)	1,1,2-TRI-CHLORO-ETHANE TOTAL (UG/L) (34511)	1,1-DI-CHLORO-ETHANE TOTAL (UG/L) (34496)	1,1-DI-CHLORO-ETHYL-ENE TOTAL (UG/L) (34501)	1,1-DI CHLORO-PRO-PENE, WAT, WH TOTAL (UG/L) (77168)	123-TRI CHLORO-PROPANE WATER WHOLE TOTAL (UG/L) (77443)	1,2-DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)	1,2-DI-CHLORO-ETHANE TOTAL (UG/L) (32103)
JUN												
17...	<.02	<.005	<.002	<.009	<.03	<.06	<.04	<.04	<.05	<.16	<.04	<.1

Date	1,2-DI-CHLORO-PROPANE TOTAL (UG/L) (34541)	TRANS-1,2-DI-CHLORO-ETHENE TOTAL (UG/L) (34546)	2,2-DI CHLORO-PRO-PANE WAT, WH TOTAL (UG/L) (77170)	2BUTENE TRANS-1 4-DI-CHLORO UNFLTRD RECOVER (UG/L) (73547)	2-HEXA-NONE WATER WHOLE TOTAL (UG/L) (77103)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	ACRYLO-NITRILE TOTAL (UG/L) (34215)	1,2,3-TRI-CHLORO BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 123-TRI METHYL-WATER UNFLTRD RECOVER (UG/L) (77221)	BENZENE 1,2,4-TRI-CHLORO-WAT UNF REC (UG/L) (34551)	BENZENE 124-TRI METHYL UNFILT RECOVER (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)
JUN												
17...	<.03	<.03	<.05	<.7	<.7	<7	<1	<.3	<.1	<.1	E.03	<.04

Date	BENZENE 1,3-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34571)	ISO-PROPYL-BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	BENZENE O-DI-CHLORO-WATER UNFLTRD REC (UG/L) (34536)	BENZENE SEC BUTYL-WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT-BUTYL-WATER UNFLTRD REC (UG/L) (77353)	BENZENE TOTAL (UG/L) (34030)	BROMO-BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	BROMO-ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	BROMO-FORM TOTAL (UG/L) (32104)
JUN												
17...	<.03	<.05	<.06	<.2	<.04	<.03	<.03	<.05	<.04	<.04	<.1	<.06

Date	CARBON DI-SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	CARBON TETRA-CHLO-RIDE TOTAL (UG/L) (32102)	CHLORO-BENZENE TOTAL (UG/L) (34301)	CHLORO-DI-BROMO-METHANE TOTAL (UG/L) (32105)	CHLORO-ETHANE TOTAL (UG/L) (34311)	CHLORO-FORM TOTAL (UG/L) (32106)	CIS-1,2 -DI-CHLORO-ETHENE TOTAL (UG/L) (77093)	CIS 1,3-DI-CHLORO-PROPENE TOTAL (UG/L) (34704)	DIBROMO CHLORO-PROPANE WATER WHOLE TOT.REC (UG/L) (82625)	DI-BROMO-METHANE WATER WHOLE RECOVER (UG/L) (30217)	BROMO-DI-CHLORO-METHANE TOTAL (UG/L) (32101)	DI-CHLORO-DI-FLUORO-METHANE TOTAL (UG/L) (34668)
JUN												
17...	<.07	<.06	<.03	<.2	<.1	E.04	E.06	<.09	<.5	<.05	<.05	<.18

Date	DI-ISO-PROPYL-ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	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)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT-BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)	ETHER TERT-PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	ETHYL-BENZENE TOTAL (UG/L) (34371)	FREON-113 WATER UNFLTRD REC (UG/L) (77652)	FURAN, TETRA-HYDRO-WATER UNFLTRD RECOVER (UG/L) (81607)	HEXA-CHLORO-BUT-ADIENE TOTAL (UG/L) (39702)	ISO-DURENE WATER UNFLTRD RECOVER (UG/L) (50000)
JUN												
17...	<.10	<.03	<.09	<.2	<.2	<.05	<.08	<.03	<.06	<2	<.1	<.2

Date	METHAC-RYLATE ETHYL-WATER UNFLTRD RECOVER (UG/L) (73570)	METHAC-RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	METH-ACRYLO-NITRILE WATER UNFLTRD RECOVER (UG/L) (81593)	METHANE BROMO CHLORO-WAT UNFLTRD REC (UG/L) (77297)	METHYL ACRY-LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	METHYL TERT-BUTYL ETHER WAT UNF REC (UG/L) (78032)	METHYL-BROMIDE TOTAL (UG/L) (34413)	METHYL-CHLO-RIDE TOTAL (UG/L) (34418)	METHYL ENE CHLO-RIDE TOTAL (UG/L) (34423)	METHYL-ETHYL-KETONE WATER WHOLE TOTAL (UG/L) (81595)	METHYL ISO-BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)
JUN												
17...	<.2	<.3	<.6	<.07	<2.0	<.25	<.2	<.3	<.2	<.2	<5.0	<.4

Remark codes:
- < -- Less than
- E -- Estimated value
- M -- Presence verified, not quantified

MARSHALL COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

344614089264701 P078 MARSHALL--Continued

Date	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	NAPHTH- ALENE TOTAL (UG/L) (34696)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (UG/L) (77356)	1234- TETRA METHYL BENZENE UNFLTRD REC (UG/L) (49999)	1,3-DI- CHLORO- PROPANE WAT. WH TOTAL (UG/L) (77173)	PROPENE 3- CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	STYRENE TOTAL (UG/L) (77128)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)
JUN												
17...	<.06	<.5	<.03	<.07	<.07	<.2	<.1	<.07	<.04	.21	<.06	<.05

Date	TOLUENE TOTAL (UG/L) (34010)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	RN-222 2 SIGMA WATER, WHOLE, TOTAL, (PCI/L) (76002)	RADON 222 TOTAL (PCI/L) (82303)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)
JUN											
17...	<.05	<.09	.56	<.09	<.1	20	110	E.01	46.00	4010	8.00

Remark codes:
< -- Less than
E -- Estimated value

SHARKEY COUNTY

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

325438090521601 E015 SHARKEY

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)	SAM-PLING METHOD, CODES (82398)	TUR-BID-ITY (NTU) (00076)	WELL PURGING CONDI-TION (CODE) (84143)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
JUN 19...	1000	124SPRT	1039	2.6	30	4045	.60	160	774	.1	8.3	706

Date	TEMPER-ATURE WATER (DEG C) (00010)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	ALKA-LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR-BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR-BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	BROMIDE DIS-SOLVED (MG/L AS BR) (71870)	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)
JUN 19...	26.5	.24	.066	.76	169	366	E398	E23	.03	14.4	.4	12.6

Date	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN,AM-MONIA + ORGANIC DIS. (MG/L AS N) (00623)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, NITRITE DIS-SOLVED (MG/L AS N) (00613)	ORTHO-PHOS-PHATE, DIS-SOLVED (MG/L AS P) (00671)	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)
JUN 19...	.2	428	.48	.65	<.05	<.008	.42	6	<.05	E.1	3	<.06

Date	BORON, DIS-SOLVED (UG/L AS B) (01020)	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)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)	LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	MOLYB-DENUM, DIS-SOLVED (UG/L AS MO) (01060)	NICKEL, DIS-SOLVED (UG/L AS NI) (01065)	SELE-NIUM, DIS-SOLVED (UG/L AS SE) (01145)
JUN 19...	686	<.04	<.8	.03	1.9	E9	.39	7.8	.4	E.2	.16	<.3

Date	SILVER, DIS-SOLVED (UG/L AS AG) (01075)	STRON-TIUM, DIS-SOLVED (UG/L AS SR) (01080)	THAL-LIUM, DIS-SOLVED (UG/L AS TL) (01057)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO-CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA-CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS-SOLVED (UG/L) (34253)	ATRA-ZINE, WATER, DISS, REC (UG/L) (39632)	BEN-FLUR-ALIN WAT FLD 0.7 U GF, REC (UG/L) (82673)	BUTYL-ATE, WATER, DISS, REC (UG/L) (04028)
JUN 19...	<1	16.7	<.04	1.8	5	<.006	<.006	<.004	<.005	<.007	<.010	<.002

Date	CAR-BARYL WATER FLTRD 0.7 U GF, REC (UG/L) (82680)	CARBO-FURAN WATER FLTRD 0.7 U GF, REC (UG/L) (82674)	CHLOR-PYRIFOS DIS-SOLVED (UG/L) (38933)	CYANA-ZINE, WATER, DISS, REC (UG/L) (04041)	DCPA WATER FLTRD 0.7 U GF, REC (UG/L) (82682)	DEETHYL ATRA-ZINE, WATER, DISS, REC (UG/L) (04040)	DI-AZINON, DIS-SOLVED (UG/L) (39572)	DI-ELDRIN DIS-SOLVED (UG/L) (39381)	DISUL-FOTON WATER FLTRD 0.7 U GF, REC (UG/L) (82677)	EPTC WATER FLTRD 0.7 U GF, REC (UG/L) (82668)	ETHAL-FLUR-ALIN WAT FLT 0.7 U GF, REC (UG/L) (82663)	ETHO-PROP WATER FLTRD 0.7 U GF, REC (UG/L) (82672)
JUN 19...	<.041	<.020	<.005	<.018	<.003	<.006	<.005	<.005	<.02	<.002	<.009	<.005

Date	FONOFOS WATER DISS REC (UG/L) (04095)	LINDANE DIS-SOLVED (UG/L) (39341)	LIN-URON WATER FLTRD 0.7 U GF, REC (UG/L) (82666)	MALA-THION, DIS-SOLVED (UG/L) (39532)	METHYL AZIN-PHOS WAT FLT 0.7 U GF, REC (UG/L) (82686)	METHYL PARA-THION WAT FLT 0.7 U GF, REC (UG/L) (82667)	METO-LACHLOR WATER DISSOLV (UG/L) (39415)	METRI-BUZIN SENCOR WATER DISSOLV (UG/L) (82630)	MOL-INATE WATER FLTRD 0.7 U GF, REC (UG/L) (82671)	NAPROP-AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82684)	P,P' DDE DISSOLV (UG/L) (34653)	PARA-THION, DIS-SOLVED (UG/L) (39542)
JUN 19...	<.003	<.004	<.035	<.027	<.050	<.006	<.013	<.006	<.002	<.007	<.003	<.010

Remark codes:
- < -- Less than
- E -- Estimated value

SHARKEY COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

325438090521601 E015 SHARKEY--Continued

Date	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)
JUN												
19...	<.004	<.022	<.006	<.011	<.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034

Date	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	1,1,1- TRI- CHLORO- ETHANE TOTAL (UG/L) (34506)	1,1,2- TRI- CHLORO- ETHANE TOTAL (UG/L) (34511)	1,1-DI- CHLORO- ETHANE TOTAL (UG/L) (34496)	1,1-DI- CHLORO- ETHYL- ENE TOTAL (UG/L) (34501)	1,1-DI CHLORO- PRO- PENE, WAT, WH TOTAL (UG/L) (77168)	123-TRI CHLORO- PROPANE WATER WHOLE TOTAL (UG/L) (77443)	1,2- DIBROMO ETHANE WATER WHOLE TOTAL (UG/L) (77651)	1,2-DI- CHLORO- ETHANE TOTAL (UG/L) (32103)
JUN												
19...	<.02	<.005	<.002	<.009	<.03	<.06	<.04	<.04	<.05	<.16	<.04	<.1

Date	1,2-DI- CHLORO- PROPANE TOTAL (UG/L) (34541)	TRANS- 1,2-DI- CHLORO- ETHENE TOTAL (UG/L) (34546)	2,2-DI CHLORO- PRO- PANE WAT, WH TOTAL (UG/L) (77170)	2BUTENE TRANS-1 4-DI- CHLORO UNFLTRD RECOVER (UG/L) (73547)	2-HEXA- NONE WATER WHOLE TOTAL (UG/L) (77103)	ACETONE WATER WHOLE TOTAL (UG/L) (81552)	ACRYLO- NITRILE TOTAL (UG/L) (34215)	1,2,3- TRI- CHLORO BENZENE WAT, WH REC (UG/L) (77613)	BENZENE 123-TRI METHYL- WATER UNFLTRD RECOVER (UG/L) (77221)	BENZENE 1,2,4- TRI- CHLORO- WAT UNF REC (UG/L) (34551)	BENZENE 124-TRI METHYL UNFILT RECOVER (UG/L) (77222)	BENZENE 135-TRI METHYL WATER UNFLTRD REC (UG/L) (77226)
JUN												
19...	<.03	<.03	<.05	<.7	<.7	<7	<1	<.3	<.1	<.1	<.06	<.04

Date	BENZENE 1,3-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34566)	BENZENE 1,4-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34571)	ISO- PROPYL- BENZENE WATER WHOLE REC (UG/L) (77223)	BENZENE N-BUTYL WATER UNFLTRD REC (UG/L) (77342)	BENZENE N-PROPY WATER UNFLTRD REC (UG/L) (77224)	BENZENE O-DI- CHLORO- WATER UNFLTRD REC (UG/L) (34536)	BENZENE SEC BUTYL- WATER UNFLTRD REC (UG/L) (77350)	BENZENE TERT- BUTYL- WATER UNFLTRD REC (UG/L) (77353)	BENZENE TOTAL (UG/L) (34030)	BROMO- BENZENE WATER, WHOLE, TOTAL (UG/L) (81555)	BROMO- ETHENE WATER UNFLTRD RECOVER (UG/L) (50002)	BROMO- FORM TOTAL (UG/L) (32104)
JUN												
19...	<.03	<.05	<.06	<.2	<.04	<.03	<.03	<.05	<.04	<.04	<.1	<.06

Date	CARBON DI- SULFIDE WATER WHOLE TOTAL (UG/L) (77041)	CARBON TETRA- CHLO- RIDE TOTAL (UG/L) (32102)	CHLORO- BENZENE TOTAL (UG/L) (34301)	CHLORO- DI- BROMO- METHANE TOTAL (UG/L) (32105)	CHLORO- ETHANE TOTAL (UG/L) (34311)	CHLORO- FORM TOTAL (UG/L) (32106)	CIS-1,2 -DI- CHLORO- ETHENE TOTAL (UG/L) (77093)	CIS 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34704)	DIBROMO CHLORO- PROPANE WATER WHOLE TOT.REC (UG/L) (82625)	DI- BROMO- METHANE WATER WHOLE RECOVER (UG/L) (30217)	BROMO- DI- CHLORO- METHANE TOTAL (UG/L) (32101)	DI- CHLORO- DI- FLUORO- METHANE TOTAL (UG/L) (34668)
JUN												
19...	<.07	<.06	<.03	<.2	<.1	<.02	<.04	<.09	<.5	<.05	<.05	<.18

Date	DI-ISO- PROPYL- ETHER, WATER, UNFLTRD RECOVER (UG/L) (81577)	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)	ETHER ETHYL WATER UNFLTRD RECOVER (UG/L) (81576)	ETHER TERT- BUTYL ETHYL UNFLTRD RECOVER (UG/L) (50004)	ETHER TERT- PENTYL METHYL UNFLTRD RECOVER (UG/L) (50005)	ETHYL- BENZENE TOTAL (UG/L) (34371)	FREON- 113 WATER UNFLTRD REC (UG/L) (77652)	FURAN, TETRA- HYDRO- WATER UNFLTRD RECOVER (UG/L) (81607)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	ISO- DURENE WATER UNFLTRD RECOVER (UG/L) (50000)
JUN												
19...	<.10	<.03	<.09	<.2	<.2	<.05	<.08	<.03	<.06	<2	<.1	<.2

Date	METHAC- RYLATE ETHYL- WATER UNFLTRD RECOVER (UG/L) (73570)	METHAC- RYLATE METHYL WATER UNFLTRD RECOVER (UG/L) (81597)	METH- ACRYLO- NITRILE WATER UNFLTRD RECOVER (UG/L) (81593)	METHANE BROMO CHLORO- WAT UNFLTRD REC (UG/L) (77297)	METHYL ACRY- LATE WATER UNFLTRD RECOVER (UG/L) (49991)	METHYL IODIDE WATER UNFLTRD RECOVER (UG/L) (77424)	METHYL TERT- BUTYL ETHER WAT UNF REC (UG/L) (78032)	METHYL- BROMIDE TOTAL (UG/L) (34413)	METHYL- CHLO- RIDE TOTAL (UG/L) (34418)	METHYL ENE CHLO- RIDE TOTAL (UG/L) (34423)	METHYL- ETHYL- KETONE WATER WHOLE TOTAL (UG/L) (81595)	METHYL ISO- BUTYL KETONE WAT.WH. TOTAL (UG/L) (78133)
JUN												
19...	<.2	<.3	<.6	<.07	<2.0	<.25	<.2	<.3	<.2	<.2	<5.0	<.4

Remark codes:
< -- Less than

SHARKEY COUNTY--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002--Continued

325438090521601 E015 SHARKEY--Continued

Date	META/ PARA- XYLENE WATER UNFLTRD REC (UG/L) (85795)	NAPHTH- ALENE TOTAL (UG/L) (34696)	O- CHLORO- TOLUENE WATER WHOLE TOTAL (UG/L) (77275)	O- XYLENE WATER WHOLE TOTAL (UG/L) (77135)	P-ISO- PROPYL- TOLUENE WATER WHOLE REC (UG/L) (77356)	1234- TETRA METHYL BENZENE UNFLTRD REC (UG/L) (49999)	1,3-DI- CHLORO- PROPANE WAT. WH TOTAL (UG/L) (77173)	PROPENE 3- CHLORO- WATER UNFLTRD RECOVER (UG/L) (78109)	STYRENE TOTAL (UG/L) (77128)	TETRA- CHLORO- ETHYL- ENE TOTAL (UG/L) (34475)	TOLUENE O-ETHYL WATER UNFLTRD RECOVER (UG/L) (77220)	TOLUENE P-CHLOR WATER UNFLTRD REC (UG/L) (77277)
JUN												
19...	<.06	<.5	<.03	<.07	<.07	<.2	<.1	<.07	<.04	<.03	<.06	<.05

Date	TOLUENE TOTAL (UG/L) (34010)	TRANS- 1,3-DI- CHLORO- PROPENE TOTAL (UG/L) (34699)	TRI- CHLORO- ETHYL- ENE TOTAL (UG/L) (39180)	TRI- CHLORO- FLUORO- METHANE TOTAL (UG/L) (34488)	VINYL CHLO- RIDE TOTAL (UG/L) (39175)	RN-222 2 SIGMA WATER, WHOLE, TOTAL, (PCI/L) (76002)	RADON 222 TOTAL (PCI/L) (82303)	URANIUM NATURAL DIS- SOLVED (UG/L AS U) (22703)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)
JUN											
19...	<.05	<.09	<.04	<.09	<.1	17	70	.04	46.00	4041	8.00

325338090505502 F025 SHARKEY

Date	Time	Field sample comment	DEPTH OF WELL, TOTAL (FEET) (72008)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	SAM- PLING METHOD, CODES (82398)	PH WATER WHOLE LAB (STAND- ARD UNITS) (00403)	SPE- CIFIC CON- DUCT- ANCE LAB (US/CM) (90095)
OCT							
11-24	0900	Interstitial H2O from deposits overlying 112MRVA	8	5	8010	8.0	2700
FEB 27-							
MAR 15	1000	Interstitial H2O from deposits overlying 112MRVA	8	--	8010	--	--

Date	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ANC UNFLTRD TIT 4.5 LAB (MG/L AS CACO3) (90410)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	STRON- TIUM, DIS- SOLVED (UG/L AS SR) (01080)
OCT												
11-24	--	271	94.0	2.20	310	346	110	.5	83.0	1180	E2220	1450
FEB 27-												
MAR 15	2740	--	--	--	--	--	--	--	--	--	--	--

Date	TRITIUM TOTAL (PCI/L) (07000)	TRITIUM 2 SIGMA WATER, WHOLE, TOTAL (PCI/L) (75985)	SAMPLE SOURCE (72005)	SAMPLER TYPE (CODE) (84164)	SAM- PLING CONDI- TION (72006)
OCT					
11-24	--	--	74.00	8010	30.00
FEB 27-					
MAR 15	14.4	1.0	74.00	8010	30.00

Remark codes:
< -- Less than
E -- Estimated value

CONVERSION FACTORS

Multiply	By	To obtain
	Length	
inch (in.)	2.54×10^{1}	millimeter
	2.54×10^{-2}	meter
foot (ft)	3.048×10^{-1}	meter
mile (mi)	1.609×10^{0}	kilometer
	Area	
acre	4.047×10^{3}	square meter
	4.047×10^{-1}	square hectometer
	4.047×10^{-3}	square kilometer
square mile (mi^2)	2.590×10^{0}	square kilometer
	Volume	
gallon (gal)	3.785×10^{0}	liter
	3.785×10^{0}	cubic decimeter
	3.785×10^{-3}	cubic meter
million gallons (Mgal)	3.785×10^{3}	cubic meter
	3.785×10^{-3}	cubic hectometer
cubic foot (ft^3)	2.832×10^{1}	cubic decimeter
	2.832×10^{-2}	cubic meter
cubic-foot-per-second day [(ft^3/s) d]	2.447×10^{3}	cubic meter
	2.447×10^{-3}	cubic hectometer
acre-foot (acre-ft)	1.233×10^{3}	cubic meter
	1.233×10^{-3}	cubic hectometer
	1.233×10^{-6}	cubic kilometer
	Flow	
cubic foot per second (ft^3/s)	2.832×10^{1}	liter per second
	2.832×10^{1}	cubic decimeter per second
	2.832×10^{-2}	cubic meter per second
gallon per minute (gal/min)	6.309×10^{-2}	liter per second
	6.309×10^{-2}	cubic decimeter per second
	6.309×10^{-5}	cubic meter per second
million gallons per day (Mgal/d)	4.381×10^{1}	cubic decimeter per second
	4.381×10^{-2}	cubic meter per second
	Mass	
ton (short)	9.072×10^{-1}	megagram or metric ton

Temperature in degrees Celsius (°C) may be converted to degrees Fahrenheit (°F) as follows:

°F = (1.8 x °C) + 32

U.S. DEPARTMENT OF THE INTERIOR
U.S. Geological Survey
308 S. Airport Road
Pearl, MS 39208-6649

Printed on recycled paper