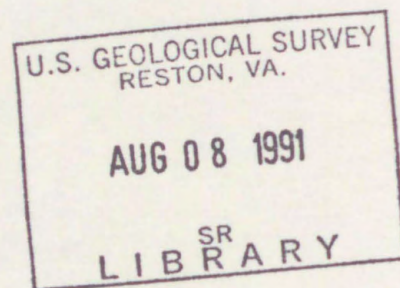


200)
Ga3
Mississippi
1990



Water Resources Data Mississippi Water Year 1990



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-90-1
Prepared in cooperation with the Mississippi Department of
Environmental Quality and with other State, county,
municipal and Federal agencies

CALENDAR FOR WATER YEAR 1990

1989

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						

1990

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	

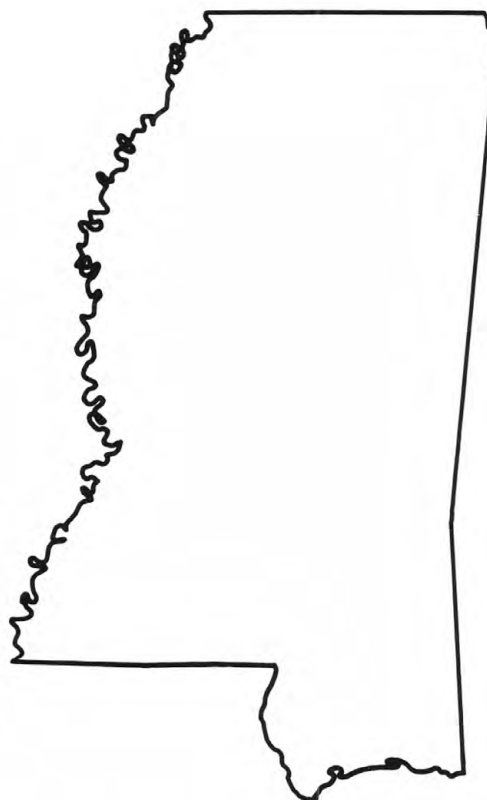
SEPTEMBER

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						



Water Resources Data Mississippi Water Year 1990

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



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-90-1
Prepared in cooperation with the Mississippi Department of
Environmental Quality and with other State, county,
municipal and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

MANUEL LUJAN, JR., Secretary

GEOLOGICAL SURVEY

Dallas L. Peck, Director

For information on
the water program in Mississippi
write to:

District Chief, Water Resources Division
U.S. Geological Survey
100 W. Capitol Street, Suite 710
Jackson, Mississippi 39269

1991

PREFACE

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

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

W.T. Baldwin	P.E. Grantham	J.A. Powell
S.H. Bishop	D. A. Hosey	R.A. Rebich
K.E. Burks	J.W. Hudson	B.R. Richards
D.E. Burt	C.D. Leach	R.V. Simmons
R.P. Durr	M.A. Manning	D.P. Turnipseed
P.C. Floyd	G.E. Peters	T.C. Williams
F.H. George	W.D. Phillips	D.T. Wilson

Tommy Chambers, Joyce Gabourie, Rene Milton and Cular Ransom are 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 W. Gaydos, District Chief, Mississippi.

REPORT DOCUMENTATION PAGE	1. REPORT NO. USGS/WRD/HD-91-269	2.	3. Recipient's Accession No.
4. Title and Subtitle Water Resources Data for Mississippi, Water Year 1990		5. Report Date March 1991	
7. Author(s) M.L. Plunkett, F. Morris III, W.T. Oakley		8. Performing Organization Rept. No. USGS-WDR-MS-90-1	
9. Performing Organization Name and Address U.S. Geological Survey, Water Resources Division 100 W. Capitol Street, Suite 710 Jackson, Mississippi 39269		10. Project/Task/Work Unit No.	
		11. Contract(C) or Grant(G) No. (C) (G)	
12. Sponsoring Organization Name and Address U.S. Geological Survey, Water Resources Division 100 W. Capitol Street, Suite 710		13. Type of Report & Period Covered Annual - Oct. 1, 1989 to Sept. 30, 1990	
		14.	
15. Supplementary Notes Prepared in cooperation with the State of Mississippi and with other agencies.			
16. Abstract (Limit: 200 words) Water resources data for the 1990 water year for Mississippi consist of records of stage, discharge, and water quality of streams; stage, and water quality of lakes and reservoirs; and water levels and water quality of ground-water wells. This report contains records of water discharge at 78 gaging stations; stage records for 19 of these gaging stations; stage only at 6 gaging stations; water quality for 23 streamflow gaging stations, 2 ungaged stream sites, 3 precipitation quality stations, and 42 wells; and water levels for 244 observation wells. Also included are peak-discharge data for 55 crest-stage partial-record stations, and discharge data at 6 flood hydrograph partial-record stations, and water quality data at 9 partial-record or miscellaneous sites and 96 short-term study sites. Locations of these sites are shown on Figures 4-6. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Mississippi.			
17. Document Analysis a. Descriptors * Mississippi, *Hydrologic data, *Surface water, *Ground water, *Water quality, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water analyses. b. Identifiers/Open-Ended Terms c. COSATI Field/Group			
18. Availability Statement No restrictions on distribution. This report may be purchased from: National Technical Information Service, Springfield, VA 22161		19. Security Class (This Report) UNCLASSIFIED	21. No. of Pages 395
		20. Security Class (This Page) UNCLASSIFIED	22. Price

CONTENTS

	Page
Preface.....	iii
List of surface-water stations, in downstream order, for which records are published.....	vi
List of ground-water records, by county.....	vii
List of precipitation-quality stations, by county, for which records are published.....	vii
Introduction.....	1
Cooperation.....	1
Summary of hydrologic conditions.....	2
Streamflow.....	2
Streamflow Quality.....	2
Ground-Water Levels.....	3
Precipitation Quality.....	3
Special networks and programs.....	4
Explanation of records.....	4
Station identification numbers.....	4
Downstream order system.....	4
Latitude-Longitude system.....	5
Records of stage and water discharge.....	5
Data collection and computation.....	5
Data presentation.....	6
Identifying estimated daily discharge.....	8
Accuracy of the records.....	8
Other records available.....	8
Records of surface-water quality.....	8
Classification of records.....	9
Arrangement of records.....	9
On-site measurements and sample collection.....	9
Water temperature.....	10
Sediment.....	10
Laboratory measurements.....	10
Data presentation.....	10
Remark codes.....	11
Records of ground-water levels.....	12
Data collection and computation.....	12
Data presentation.....	12
Records of ground-water quality.....	13
Data collection and computation.....	13
Data presentation.....	13
Access to WATSTORE data.....	13
Definitions of terms.....	14
Addendum.....	21
Publications on Techniques of Water-Resources Investigations.....	22
Station records, surface water.....	28
Discharge at partial-record and miscellaneous sites.....	196
Flood Hydrograph partial-record stations.....	196
Crest-stage partial-record stations.....	202
Discharge measurements at special study and miscellaneous sites.....	208
Water-Quality Data for partial-record stations and miscellaneous sites.....	213
Water-Quality Data collected during short term studies.....	219
Station records, ground-water.....	269
Ground-Water Levels.....	269
Quality of Ground-Water.....	356
Station records, quality of precipitation.....	376
Index.....	383

ILLUSTRATIONS

Figure 1. Hydrographs of wells in the Gordo Formation at West Point and the Graham Ferry Formation at Biloxi.....	3
2. System for numbering wells and miscellaneous sites (latitude and longitude).....	5
3. Comparison of discharge for water year 1990 to the base period 1951-1980 at three long-term representative gaging stations.....	24
4. Map showing location of hydrologic-data stations.....	25
5. Map showing location of partial-record stations.....	26
6. Map showing location of observation wells.....	27

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

SOUTH ATLANTIC SLOPE AND EASTERN GULF OF MEXICO BASINS	Page
MOBILE RIVER BASIN	
Mobile River:	
Big Brown Creek (head of Tombigbee River) near Booneville (d).....	28
Mackeys Creek:	
Pollard Mill Branch near Paden (d).....	29
Red Bud Creek near Moores Mill (d).....	30
Mackeys Creek near Moores Mill (d,g).....	31
Tombigbee River near Marietta (d,s).....	33
Mud Creek near Fairview (d).....	35
Twentymile Creek near Guntown (d,s).....	36
Cummings Creek near Fulton (d).....	38
Tombigbee River near Fulton (d,g,s).....	39
Bull Mountain Creek at Tremont (d).....	42
Tombigbee River at Bigbee (d,g,s).....	43
Town Creek at Eason Boulevard, at Tupelo (d,g).....	46
Town Creek near Nettleton (d,s,f,c,m).....	48
Buttahatchee River near Aberdeen (d,s).....	51
Tombigbee River at Columbus Lock and Dam, near Columbus (d).....	53
Tombigbee River at Columbus (g).....	54
Luxapallila Creek near Columbus (d,f,c,m,s).....	55
Noxubee River at Macon (d,s).....	57
Noxubee River near Geiger, AL (d).....	59
PASCAGOULA RIVER BASIN	
Leaf River (head of Pascagoula River) near Collins (d).....	60
Bowie Creek near Hattiesburg (d).....	61
Leaf River at Hattiesburg (d,g).....	62
Tallahala Creek at Waldrup (d).....	64
Tallahala Creek at Laurel (d).....	65
Tallahala Creek near Runnelstown (d).....	66
Leaf River near New Augusta (d,g).....	67
Bogue Homo near Richton (d).....	69
Leaf River near McLain (d).....	70
Chunky River (head of Chickasawhay River) near Chunky (d).....	71
Okatibbee Creek:	
Sowashee Creek at Meridian (d).....	72
Okatibbee Creek at Arundel (d,g).....	73
Chickasawhay River at Enterprise (d,g).....	75
Chickasawhay River at Shubuta (g).....	77
Chickasawhay River near Waynesboro (g).....	78
Buckatunna Creek near Denham (d).....	79
Chickasawhay River at Leakesville (d).....	80
Pascagoula River at Merrill (d,g).....	81
Pascagoula River near Benndale (c,m,f,s).....	83
Big Black Creek:	
Black Creek (head of Big Black Creek) near Brooklyn (d).....	85
Cypress Creek near Janice (d,c,m,f,s,r).....	86
Black Creek near Wiggins (d).....	88
Red Creek at Vestry (d).....	89
Escatawpa River near Agricola (d).....	90
BILOXI RIVER BASIN	
Biloxi River at Wortham (d).....	91
WOLF RIVER BASIN	
Wolf River near Landon (d).....	92
PEARL RIVER BASIN	
Pearl River at Burnside (d,g).....	93
Pearl River at Edinburg (d,g).....	95
Pearl River near Carthage (d,g).....	97
Tuscolameta Creek at Walnut Grove (d,g).....	99
Yockanookany River at Kosciusko (d).....	101
Yockanookany River near Ofahoma (d,g).....	102
Pearl River at Coal Bluff near Ratliff (g).....	104
Hanging Moss Creek at Jackson (d,g).....	105
Pearl River at Jackson (d,g).....	107
Pearl River at Rockport (d,g).....	109
Pearl River near Monticello (d,g).....	111
Whitesand Creek near Oak Vale (d,g).....	113
Pearl River near Columbia (g).....	115
Pearl River near Bogalusa, LA (d).....	116
Bogue Chitto near Tylertown (d).....	117

OHIO RIVER BASIN	
Ohio River:	
TENNESSEE RIVER BASIN	
Tennessee River at Florence, AL (d).....	118
Yellow Creek:	
Little Yellow Creek East near Burnsville (d).....	119
Tennessee-Tombigbee Waterway at Cross Roads (g, c, m, f).....	120
LOWER MISSISSIPPI RIVER BASIN	
Mississippi River at Memphis, TN (d).....	122
YAZOO RIVER BASIN	
Little Tallahatchie River (head of Yazoo River) at Etta (d).....	123
Hotopha Creek near Batesville (d,c,s,p,f).....	124
Yocona River near Oxford (d).....	129
Otoucalofa Creek Canal:	
Town Creek at Water Valley (d,c,m,f).....	130
Otoucalofa Creek Canal near Water Valley (d,c,m,s,p,f).....	132
Peters (Long) Creek near Pope (d,c,s,p,f).....	140
Coldwater River:	
Hickahala Creek near Senatobia (d,c,m,s,p,f).....	145
Senatobia Creek near Senatobia (d,c,m,s,p,f).....	152
Tallahatchie River:	
Yalobusha River at Calhoun City (d).....	159
Skuna River at Bruce (d).....	160
Batupan Bogue at Grenada (d,c,s,p,f).....	161
Fannegusha Creek near Howard (d,c,m,p,f).....	166
Black Creek at Lexington (d,c,m,f).....	171
Harland Creek near Howard (d,c,m,s,p,f).....	173
Yazoo River at Redwood (c,m,f,s).....	180
Mississippi River at Vicksburg (c,m,f,s,t).....	182
BIG BLACK RIVER BASIN	
Big Black River at West (d).....	187
Big Black River near Bovina (d,c,m,f,s).....	188
BAYOU PIERRE BASIN	
Bayou Pierre near Willows (d).....	190
HOMOCHITTO RIVER BASIN	
Homochitto River at Eddiceton (d).....	191
Homochitto River at Rosetta (d,c,m,f,s).....	192
BUFFALO RIVER BASIN	
Buffalo River near Woodville (d).....	194
MISSISSIPPI RIVER DELTA	
Amite River near Darlington, LA (d).....	195
Discharge at partial-record stations and miscellaneous sites.....	196
Flood hydrograph partial-record stations.....	196
Crest-stage partial-record stations.....	202
Special study and miscellaneous sites.....	208
Water-Quality Data for partial-record stations and miscellaneous sites.....	213
Water-Quality Data collected during short-term studies.....	219
Pascagoula and Escatawpa Rivers Study.....	219
Otoucalofa Creek Drainage Basin Study.....	232
Hickahala Creek Drainage Basin Study.....	236
Black Creek Drainage Basin Study.....	240
Yazoo River Main Stem Study.....	243
Black Creek Drainage Basin Study.....	253
Steele Bayou Drainage Basin Study.....	262

GROUND-WATER RECORDS, BY COUNTY
GROUND-WATER LEVELS

County	Page	County	Page	County	Page
Adams.....	269, 304	Humphreys.....	326	Panola.....	291
Alcorn.....	304	Itawamba.....	280, 326	Perry.....	344
Attala.....	305	Jackson.....	327	Pike.....	292, 344
Bolivar.....	307	Jasper.....	281	Prentiss.....	344
Calhoun.....	309	Jefferson.....	330	Quitman.....	345
Carroll.....	310	Jones.....	282, 330	Rankin.....	346
Chickasaw.....	310	Lafayette.....	284, 331	Scott.....	346
Choctaw.....	272, 311	Lamar.....	286, 331	Sharkey.....	347
Claiborne.....	311	Lauderdale.....	332	Simpson.....	348
Clay.....	273	Lawrence.....	332	Sunflower.....	293, 348
Coahoma.....	312	Leake.....	332	Tate.....	349
Copiah.....	312	Lee.....	287, 333	Tippah.....	349
Covington.....	313	Leflore.....	288, 335	Tishomingo.....	294, 350
De Soto.....	313	Lincoln.....	337	Tunica.....	351
Forrest.....	275, 314	Lowndes.....	289, 337	Union.....	351
Franklin.....	315	Madison.....	340	Warren.....	296
Greene.....	315	Marshall.....	341	Washington.....	297, 351
Grenada.....	315	Monroe.....	290, 341	Wayne.....	353
Hancock.....	317	Montgomery.....	342	Webster.....	300, 353
Harrison.....	276, 320	Newton.....	343	Wilkinson.....	353
Hinds.....	278, 321	Noxubee.....	343	Yazoo.....	301, 354
Holmes.....	325	Oktibbeha.....	343		

QUALITY OF GROUND WATER

Attala.....	357	Humphreys.....	364	Noxubee.....	369
Bolivar.....	357	Jackson.....	365	Prentiss.....	370
Clarke.....	358	Jasper.....	365	Rankin.....	372
De Soto.....	358	Jones.....	366	Scott.....	373
Forest.....	359	Lauderdale.....	366	Smith.....	373
Greene.....	359	Leake.....	366	Wayne.....	374
Grenada.....	360	Lee.....	367	Wilkinson.....	374
Hancock.....	360	Madison.....	367	Winston.....	374
Harrison.....	361	Marshall.....	368	Yazoo.....	375
Hinds.....	364	Newton.....	368		

QUALITY OF PRECIPITATION

HANCOCK COUNTY	
at NSTL.....	376
PERRY COUNTY	
near Janice.....	378
WILKINSON COUNTY	
near Rosetta.....	380

WATER RESOURCES DATA - MISSISSIPPI, 1990

INTRODUCTION

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

This report includes records on both surface and ground water in the State. Specifically, it contains: (1) Discharge records for 78 streamflow-gaging stations, stage records for 19 of these gaging stations, stage only at 6 gaging stations, for 103 partial-record or miscellaneous streamflow stations, including 6 flood hydrograph partial-record stations, 55 crest-stage partial-record stations and 42 special study and miscellaneous sites, (2) water-quality records for 23 streamflow-gaging stations, 2 ungaged streamsites, 9 partial-record or miscellaneous sites, 96 short-term study sites, and 42 wells, and (3) water-level records for 244 observation wells, and atmospheric precipitation-quality records for 3 stations. Records obtained from water-resources investigations are also included in special sections of the report. Records included for stream stages are only a small fraction of those obtained during the water year.

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

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

Publications similar to this report are published annually by the Geological Survey for all States. These official Survey reports have an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this volume is identified as "U.S. Geological Survey Water-Data Report MS-90-1." 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.

Additional information, including current prices, for ordering specific reports may be obtained from the District Chief at the address given on back of title page or by telephone (601) 965-4600.

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

Mississippi Department of Environmental Quality, James I. Palmer, Jr., Executive Director.
Office of Land and Water Resources, Charles T. Branch, Director.
Office of Pollution Control, Charles H. Chisolm, Director.
Office of Geology, Cragin Knox, Director.
Mississippi State Highway Department, John R. Tabb, Director.
Pat Harrison Waterway District, Herlon D. Pierce, Executive Director.
Pearl River Basin Development District, Mike Davis, Executive Vice President.
Pearl River Valley Water Supply District, Charles E. Moak, General Manager.
Harrison County Board of Supervisors, Bobby Eleuterius, President.
Harrison County Development Commission, Michael J. Olivier, Executive Director.
Jackson County Board of Supervisors, Carroll L. Clifford III, President.
Jackson County Port Authority, Johnny S. Tillman, President.
City of Jackson, Kane Ditto, Mayor.

Assistance with funds or services was provided by the U. S. Army Corps of Engineers and the Soil Conservation Service, in collecting records for 54 streamflow-gaging stations, 5 crest-stage gages, 121 surface-water quality sites, and 5 groundwater quality sites published in this report.

The following organizations aided in collecting records: National Weather Service, NOAA, U.S. Department of Commerce, and the Soil Conservation Service, U.S. Department of Agriculture.

Organizations that provided data are acknowledged in station descriptions.

SUMMARY OF HYDROLOGIC CONDITIONS

Streamflow

Annual mean streamflow was above normal in most streams in Mississippi during the 1990 water year. Comparisons of monthly mean and annual mean discharges in the 1990 water year with median values for the period 1951-80 were made for three representative gaging stations: Tombigbee River at Columbus Lock and Dam near Columbus, in northeastern Mississippi, Big Black River near Bovina, in central Mississippi, and Pascagoula River at Merrill, in southeastern Mississippi. The monthly mean discharges at these sites were generally within the normal range (± 25 percent of the median for the reference period 1951-80) in December, March through May and July through September and were above normal for the rest of the year.

Runoff of the Tombigbee River at Columbus Lock and Dam near Columbus was 25.69 inches for the water year, or 136 percent of the median annual runoff of 18.89 inches for the reference period 1951-80. Discharge was above normal in the months of October, November, February, and June when the monthly mean discharges were 447, 311, 252, and 241 percent of the median monthly means, respectively, for the reference period. Discharge was below normal in April when monthly mean discharge was 37 percent of the median monthly mean for the reference period. Monthly mean discharges for other months were within the normal range.

Runoff of the Pascagoula River at Merrill was 34.44 inches for the water year, or 178 percent of the median annual runoff for the reference period (19.37 inches). Discharge was above normal in the months of October through March, May and June when the monthly mean discharges were 178, 316, 244, 325, 349, 193, 239 and 221 percent of the median monthly means, respectively, for the reference period. Discharge was below normal in September when the monthly mean discharge was 68 percent of the median monthly mean for the reference period. Monthly mean discharges for other months were within the normal range.

Runoff of the Big Black River near Bovina was 24.27 inches for the water year, or 151 percent of the median annual runoff for the reference period (16.04 inches). Discharge was above normal in the months of October, November, January, February and June when the monthly mean discharges were 403, 1190, 375, 300, and 369 percent of the median monthly means, respectively, for the reference period. Monthly mean discharges for other months were within the normal range.

Streamflow Quality

The surface-water quality of most of Mississippi's 15,622 miles of rivers fully or partially supports designated uses. Major causes of impaired water quality during water year 1990 were nonpoint agricultural runoff; lesser causes were industrial and municipal point-source discharges and runoff from nonagricultural nonpoint sources (Larry J. Slack, U.S. Geological Survey, oral commun., March 19, 1991).

The surface-water quality in Mississippi generally did not change appreciably during water year 1990 compared to that of previous years. Dissolved-solids concentrations are low in water from most streams in Mississippi. Concentrations generally were less than 100 mg/L (milligrams per liter) in most streams in the State, except for the Mississippi River where dissolved-solids concentrations ranged from 172 to 245 mg/L. The ranges and median values of dissolved-solids concentrations during water year 1990 generally were similar to the ranges and median values during water years 1987-89 for four National Stream Quality Accounting Network stations on major streams that drain the interior of the State, as shown in the following table.

	Dissolved-solids concentration, in milligrams per liter					
	Water year 1990			Water years 1987-89		
	Minimum	Median	Maximum	Minimum	Median	Maximum
Pascagoula River near Benndale	39	74	96	32	72	165
Yazoo River at Redwood	51	57	61	43	70	163
Big Black River near Bovina	68	85	111	42	82	152
Homochitto River at Rosetta	34	40	45	42	56	69

Dissolved-oxygen concentrations in streams were generally greater than 5.0 mg/L and were lowest during the summer months when stream temperatures were high and flow velocities were low. Values for dissolved-oxygen concentrations generally were slightly lower during water year 1990 than during water years 1987-89, as shown in the following table.

	Dissolved-oxygen concentration, in milligrams per liter					
	Water year 1990			Water years 1987-89		
	Minimum	Median	Maximum	Minimum	Median	Maximum
Pascagoula River near Benndale	5.9	6.7	9.8	6.6	8.1	10.2
Yazoo River at Redwood	5.3	7.8	9.5	4.8	7.6	11.5
Big Black River near Bovina	5.3	7.0	10.7	5.2	7.8	10.0
Homochitto River at Rosetta	7.1	8.0	10.2	5.6	8.1	11.0

Determinations of pH at the index stations indicate that most streams were slightly acidic at times and that the pH generally was lowest in the southern part of the State. Values of pH during water year 1990 were quite similar to those during water years 1987-1989, as shown by the following table.

	pH, in standard units					
	Water year 1990			Water years 1987-89		
	Minimum	Median	Maximum	Minimum	Median	Maximum
Pascagoula River near Benndale	6.0	6.1	6.7	5.8	6.9	7.2
Yazoo River at Redwood	6.7	6.8	7.0	6.6	7.4	7.8
Big Black River near Bovina	6.5	6.8	7.3	6.7	7.1	7.6
Homochitto River at Rosetta	6.1	6.5	6.8	6.6	6.8	7.1

Ground-Water Levels

Ground-water levels in most artesian aquifers statewide continued long-term declines in the latter part of the 1990 water year following seasonal water-level recoveries during the early part of the year. Fluctuations of ground-water levels in representative observation wells are shown in the hydrographs in figure 1.

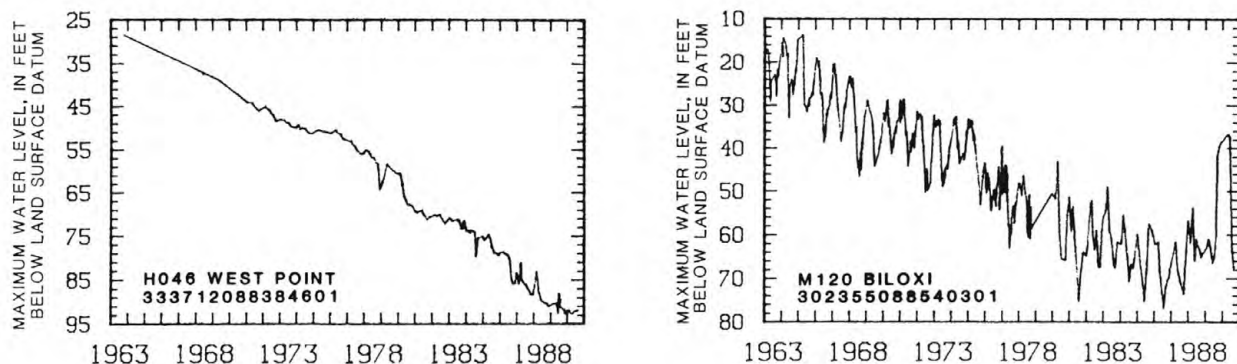


Figure 1.--Hydrographs of wells in the Gordo Formation at West Point and the Graham Ferry Formation at Biloxi.

In wells screened in deposits of Miocene age in southern Mississippi, water levels generally declined about 2 feet during the water year. In wells screened in the Graham Ferry Formation along the Gulf Coast, water levels generally declined 1 to 2 feet. Water-level declines in the shallow Citronelle aquifer in southern Mississippi were generally small, with slight recoveries indicated at a few sites.

In central Mississippi, water levels in the Cockfield Formation, Sparta Sand, and Meridian-upper Wilcox aquifers declined 1 to 3 feet in many areas. Record low water levels were measured in several wells in the Cockfield and Sparta aquifers in the Jackson area. Water levels in smaller domestic wells screened in the Vicksburg Group and Forest Hill Sand generally declined about 1 foot.

In northern Mississippi, water levels in the Wilcox and upper Cretaceous aquifers declined 1 to 3 feet. At Tupelo in northeastern Mississippi, where large demands on ground water from the Eutaw-McShan and Tuscaloosa aquifer are common, water levels declined about 5 feet. Record low levels were established at a number of sites.

Water levels in the Sparta aquifer system, Winona-Tallahatta Formation, and lower Wilcox aquifers in northwestern Mississippi declined about 1 to 2 feet in most wells but exceeded that in some wells affected by pumping.

Water levels in the Mississippi River valley alluvial aquifer in northwestern Mississippi declined in response to seasonal withdrawals for irrigation and fish farming throughout much of the area commonly known as the Delta. Although, significant seasonal declines were recorded, water levels were 1 to 3 feet above levels measured last year.

Precipitation Quality

Chemical analysis of atmospheric precipitation at three sites in southern Mississippi indicate that the specific conductance of precipitation ranged from less than 5 uS/cm (microsiemens per centimeter) to as much as 77 uS/cm. The specific conductance of precipitation ranged from 5 to 77 uS/cm at the John C. Stennis Space Center near Bay St. Louis on the Mississippi Gulf Coast, from 6 to 68 uS/cm at the site near Janice in Perry County, and from 4 to 51 uS/cm at a site near Rosetta in Wilkinson County. The dissolved solids in the precipitation at both sites were those that are commonly found in the geohydrologic environment. Of the common constituents, sulfate generally was present in highest concentrations.

The pH of precipitation generally was less than 5.0 standard units at all sites. At the site near Bay St. Louis the pH of precipitation ranged from 3.80 to 5.30 units and had a median pH value of 4.80 units. Near Janice the pH ranged from 3.80 to 6.00 units and the median value was 4.70 units. The pH ranged from 4.00 to 5.10 units and the median value was 4.80 units at the station near Rosetta.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic Bench-Mark Network is a network of 57 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

National Stream-Quality Accounting Network (NASQAN) is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies and other groups involved in natural or regional water-quality planning and management. There are approximately 500 sites in NASQAN, which are generally located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council. The objectives of NASQAN are (1) to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis, and reporting such that the data may be used for, (2) description of the areal variability of water quality in the Nation's rivers through analysis of data from this and other programs, (3) detection of changes or trends with time in the pattern of occurrence of water-quality characteristics, and (4) providing a nationally consistent data base useful for water-quality assessment and hydrologic research.

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

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

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

EXPLANATION OF THE RECORDS

The surface-water and ground-water records published in this report are for the 1990 water year that began October 1, 1989, and ended September 30, 1990. A calendar of the water year is provided on the inside of the front cover. The records contain streamflow data, stage and content data for lakes and reservoirs, water-quality data for surface and ground water, and ground-water-level data. The locations of the stations and wells where the data were collected are shown in figures 4, 5, and 6. The following sections of the introductory text are presented to provide users with a more detailed explanation of how the hydrologic data published in this report were collected, analyzed, computed, and arranged for presentation.

Station Identification Numbers

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

Downstream Order System

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

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

Latitude-Longitude System

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

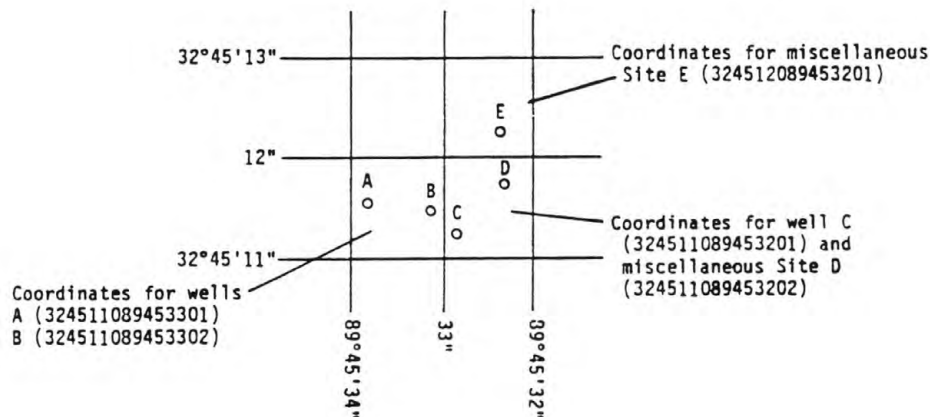


Figure 2.--System for numbering wells and miscellaneous sites (latitude and longitude).

Records of Stage and Water Discharge

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

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

Data Collection and Computation

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

Continuous records of stage are obtained with analog recorders that trace continuous graphs of stage or with digital recorders that punch stage values on paper tapes at selected time intervals. Measurements of discharge are made with current meters using methods adopted by the Geological Survey as a result of experience accumulated since 1880. These methods are described in standard textbooks, in Water-Supply Paper 2175, and in U.S. Geological Survey Techniques of Water-Resources Investigations, Book 3, Chapter A6.

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

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

At some stream-gaging stations, the stage-discharge relation is affected by the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage, at these stations the rate of change in stage is used as a factor in computing discharge.

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

The records published for each gaging station consist of two parts, the manuscript or station description and the data table for the current water year. The manuscript provides, under various headings, descriptive information, such as station location, period of record, discharge, historical extremes, 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.

AVERAGE DISCHARGE.--The discharge value given is the arithmetic mean of the water-year mean discharges. It is computed only for stations having at least 5 water years of complete record, and only water years of complete record are included in the computation. It is not computed for stations where diversions, storage, or other water-use practices cause the value to be meaningless. If water developments significantly altering flow at a station are put into use after the station has been in operation for a period of years, a new average is computed as soon as 5 water years of record have accumulated following the development. The median of yearly mean discharges also is given under this heading for stations having 10 or more water years of record if the median differs from the average given by more than 10 percent.

EXTREMES FOR PERIOD OF RECORD.--Extremes may include maximum and minimum stages and maximum and minimum discharges or content. Unless otherwise qualified, the maximum discharge or content is the instantaneous maximum corresponding to the highest stage that occurred. The highest stage may have been obtained from a graphic or digital recorder, a crest-stage gage, or by direct observation of a nonrecording gage. If the maximum stage did not occur on the same day as the maximum discharge or content, it is given separately. Similarly, the minimum is the instantaneous minimum discharge, unless otherwise qualified, and was determined and is reported in the same manner as the maximum.

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.--Extremes given here are similar to those for the period of record, except the peak discharge listing may include secondary peaks. For stations meeting certain criteria, all peak discharges and stages occurring during the water year and equal to or greater than a selected base discharge are presented under this heading. The peaks equal to or greater than the base discharge, excluding the highest one, are referred to as secondary peaks. Peak discharges are not published for canals, ditches, drains, or streams for which the peaks are subject to substantial control by man. The time of occurrence for peaks is expressed in 24-hour local standard time. For example, 12:30 a.m. is 0030, and 1:30 p.m. is 1330. The minimum for the current water year appears below the table of peak data.

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.

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

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

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

Identifying Estimated Daily Discharge

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

Accuracy of the Records

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

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

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

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

Other Records Available

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

Records of Surface-Water Quality

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

Classification of Records

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

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

Arrangement of Records

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

On-site Measurements and Sample Collection

In obtaining water-quality data, a major concern needs to be assuring that the data obtained represent the in situ quality of the water. To assure this, certain measurements, such as water temperature, pH, and dissolved oxygen, need to be made onsite when the samples are taken. To assure that measurements made in the laboratory also represent the in situ water, carefully prescribed procedures need to be followed in collecting the samples, in treating the samples to prevent changes in quality pending analysis, and in shipping the samples to the laboratory. Procedures for onsite measurements and for collecting, treating, and shipping samples are given in publications on "Techniques of Water-Resources Investigations," Book 1, Chap. D2, Book 3, Chap. C2, Book 5, Chap. A1, A3, and A4. All of these references are listed under "PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS" which appears at the end of the introductory text. Detailed information on collecting, treating, and shipping samples may be obtained from the District Office of the Mississippi District.

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

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

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

Water Temperature

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

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

Sediment

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

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

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

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

Laboratory Measurements

Sediment samples, samples for biochemical-oxygen demand (BOD), samples for indicator bacteria, and daily samples for specific conductance are analyzed locally. All other samples are analyzed in the Geological Survey laboratory in Arvada, Colorado. Methods used in analyzing sediment samples and computing sediment records are given in TWRI, Book 5, Chap. C1. Methods used by the Geological Survey laboratory are given in TWRI, Book 1, Chap. D2, Book 3, Chap. C2, Book 5, Chap. A1, A3, and A4.

Data Presentation

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

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

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

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

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

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

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

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

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

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

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

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

810 Corps of Engineers, U.S. Army	28002 Mississippi Bureau of Geology
1028 U.S. Geological Survey	66666 Driller
1053 National Park Service	80020 U.S. Geological Survey, National Water-
9728 Mississippi State Board of Health	Quality Laboratory, Denver, Colorado
28001 Mississippi Bureau of Pollution Control	
99001 Private Contractor	

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

Sample Source	Sampling Condition
1 Well Head	0.1 Being pumped
5 Flow Line	0.11 Pumped recently
9 Production Test	0.12 Nearby Site Tapping
26 Pump	same aquifer being pumped
27 Tap near Well	4 Flowing
28 Tap away from Well	8 Pumping
30 Pressure Tank	10 Open Hole
31 Discharge Pipe	15 Bailing
33 Bailer	26 Production and development test
48 Multiple Deposition	27 Production by unknown method
1001 Wet Deposition	30 Seeping
1003 Landfill	
1004 Cast Overburden	
1006 Landfill Seep	

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

PRINTED OUTPUT	REMARK
E	Estimated value
>	Actual value is known to be greater than the value shown
<	Actual value is known to be less than the value shown
K	Results based on colony count outside the acceptance range (non-ideal colony count)
L	Biological organism count less than 0.5 percent (organism may be observed rather than counted)
D	Biological organism count equal to or greater than 15 percent (dominant)
&	Biological organism estimated as dominant

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 9.

Data Collection and Computation

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

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

Water-level records are obtained from direct measurements with a steel tape or from the graph or punched tape of a water-stage recorder. The water-level measurements in this report are given in feet with reference to land-surface datum (lstd). 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) National Geodetic Vertical Datum of 1929 (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 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. Missing records are indicated by dashes in place of the water level.

Records of Ground-Water Quality

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

Data Collection and Computation

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

Most methods for collecting and analyzing water samples are described in the "U.S. Geological Survey Techniques of Water-Resources Investigations" manuals listed at the end of the introductory text. 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. All samples were obtained by trained personnel. The wells sampled were pumped long enough to assure that the water collected came directly from the aquifer and had not stood for a long time in the well casing where it would have been exposed to the atmosphere and to the material, possibly metal, comprising the casings.

Data Presentation

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

ACCESS TO WATSTORE DATA

The National Water Data STorage and Retrieval System (WATSTORE) was established for handling water data collected through the activities of the U.S. Geological Survey and to provide for more effective and efficient means of releasing the data to the public. The system is operated and maintained on the central computer facilities of the Survey at its National Center in Reston, Virginia.

WATSTORE can provide a variety of useful products ranging from simple data tables to complex statistical analyses. A minimal fee, plus the actual computer cost incurred in producing a desired product, is charged to the requester. Information about the availability of specific types of data, the acquisition of data or products, and user charges can be obtained locally from the offices whose addresses are given on the back of the title page.

General inquiries about WATSTORE may be directed to:

Chief Hydrologist
U.S. Geological Survey
437 National Center
Reston, Virginia 22092

DEFINITION OF TERMS

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Bottom material: See Bed material.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Hydrologic Bench-Mark Network is a network of 57 sites in small drainage basins around the country whose purpose is to provide consistent data on the hydrology, including water quality, and related factors in representative undeveloped watersheds nationwide, and to provide analyses on a continuing basis to compare and contrast conditions observed in basins more obviously affected by the activities of man.

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

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

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

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

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

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

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

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

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

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

National Stream Quality Accounting Network (NASQAN) is a nationwide data-collection network designed by the U.S. Geological Survey to meet many of the information needs of government agencies and other groups involved in natural or regional water-quality planning and management. There are approximately 500 sites in NASQAN, which are generally located at the downstream ends of hydrologic accounting units designated by the U.S. Geological Survey Office of Water Data Coordination in consultation with the Water Resources Council. The objectives of NASQAN are (1) to obtain information on the quality and quantity of water moving within and from the United States through a systematic and uniform process of data collection, summarization, analysis, and reporting such that the data may be used for, (2) description of the areal variability of water quality in the Nation's rivers through analysis of data from this and other programs, (3) detection of changes of trends with time in the pattern of occurrence of water-quality characteristics, and (4) providing a nationally consistent data base useful for water-quality assessment and hydrologic research.

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

Organism is any living entity.

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per unit area habitat, usually square meter (m²), acre, or hectare. Periphyton, benthic organisms, and macrophytes are expressed in these terms.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Solute is any substance that is dissolved in water.

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

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

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

Substrate is the physical surface upon which an organism lives.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

ADDENDUM

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.

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

The reports listed below are for sale by the U.S. Geological Survey, Books and Open-File Reports Section, Federal Center, Box 25425, Denver, Colorado 80225 (authorized agent of the Superintendent of Documents, Government Printing Office). Prepayment is required. Remittance should be sent by check or money order payable to the U.S. Geological Survey. Prices are not included because they are subject to change. Current prices can be obtained by writing to the above address. When ordering or inquiring about prices for any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations."

- 1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
- 1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
- 2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
- 2-D2. *Application of seismic-refraction techniques to hydrologic studies*, by F. P. Haeni: USGS--TWRI Book 2, Chapter D2. 1988. 86 pages.
- 2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
- 2-F1. *Application of drilling, coring, and sampling techniques to test holes and wells*, by Eugene Shuter and Warren E. Teasdale: USGS--TWRI Book 2, Chapter F1. 1989. 97 pages.
- 3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
- 3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
- 3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
- 3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
- 3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
- 3-A9. *Measurement of time of travel in streams by dye tracing*, by F. A. Kilpatrick and J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A9. 1989. 27 pages.
- 3-A10. *Discharge ratings at gaging stations*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A10. 1984. 59 pages.
- 3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
- 3-A12. *Fluorometric procedures for dye tracing*, by J. F. Wilson, Jr., E. D. Cobb, and F. A. Kilpatrick: USGS--TWRI Book 3, Chapter A12. 1986. 41 pages.
- 3-A13. *Computation of continuous records of streamflow*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A13. 1983. 53 pages.
- 3-A14. *Use of flumes in measuring discharge*, by F. A. Kilpatrick and V. R. Schneider: USGS--TWRI Book 3, Chapter A14. 1983. 46 pages.
- 3-A15. *Computation of water-surface profiles in open channels*, by Jacob Davidian: USGS--TWRI Book 3, Chapter A15. 1984. 48 pages.
- 3-A16. *Measurement of discharge using tracers*, by F. A. Kilpatrick and E. D. Cobb: USGS--TWRI Book 3, Chapter A16. 1985. 52 pages.
- 3-A17. *Acoustic velocity meter systems*, by Antonius Laenen: USGS--TWRI Book 3, Chapter A17. 1985. 38 pages.
- 3-A18. *Determination of stream reaeration coefficients by use of tracers*, by F. A. Kilpatrick, R. E. Rathbun, N. Yotsukura, G. W. Parker, and L. L. DeLong: USGS--TWRI Book 3, Chapter A18. 1989. 52 pages.
- 3-A19. *Levels of streamflow gaging stations*, by E. J. Kennedy: USGS--TWRI Book 3, Chapter A19. 1990. 27 pages.

- 3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programmed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-B3. *Type curves for selected problems of flow to wells in confined aquifers*, by J. E. Reed: USGS--TWRI Book 3, Chapter B3. 1980. 106 pages.
- 3-B4. *Regression modeling of ground-water flow*, by Richard L. Cooley and Richard L. Naff: USGS--TWRI Book 3, Chapter B4. 1990. 232 pages.
- 3-B5. *Definition of boundary and initial conditions in the analysis of saturated ground-water flow systems--An introduction*, by O. L. Franke, T. E. Reilly, and G. D. Bennett: USGS--TWRI Book 3, Chapter B5. 1987. 15 pages.
- 3-B6. *The principle of superposition and its application in ground-water hydraulics*, by T. E. Reilly, O. L. Franke, and G. D. Bennett: USGS--TWRI Book 3, Chapter B6. 1987. 28 pages.
- 3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
- 4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
- 4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
- 4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
- 4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. J. Fishman and L. C. Friedman: USGS--TWRI Book 5, Chapter A1. 1989. 545 pages.
- 5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
- 5-A3. *Methods for the determination of organic substances in water and fluvial sediments*, edited by R. L. Wershaw, M. J. Fishman, R. R. Grabbe, and L. E. Lowe: USGS--TWRI Book 5, Chapter A3. 1987. 80 pages.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by L. J. Britton and P. E. Greeson, editors: USGS--TWRI Book 5, Chapter A4. 1989. 363 pages.
- 5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
- 5-A6. *Quality assurance practices for the chemical and biological analyses of water and fluvial sediments*, by L. C. Friedman and D. E. Erdmann: USGS--TWRI Book 5, Chapter A6. 1982. 181 pages.
- 5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
- 6-A1. *A modular three-dimensional finite-difference ground-water flow model*, by M. G. McDonald and A. W. Harbaugh: USGS--TWRI Book 6, Chapter A1. 1988. 586 pages.
- 7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
- 7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
- 7-C3. *A model for simulation of flow in singular and interconnected channels*, by R. W. Schaffranek, R. A. Baltzer, and D. E. Goldberg: USGS--TWRI Book 7, Chapter C3. 1981. 110 pages.
- 8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-A2. *Installation and service manual for U.S. Geological Survey manometers*, by J. D. Craig: USGS--TWRI Book 8, Chapter A2. 1983. 57 pages.
- 8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

WATER RESOURCES DATA FOR MISSISSIPPI, 1990

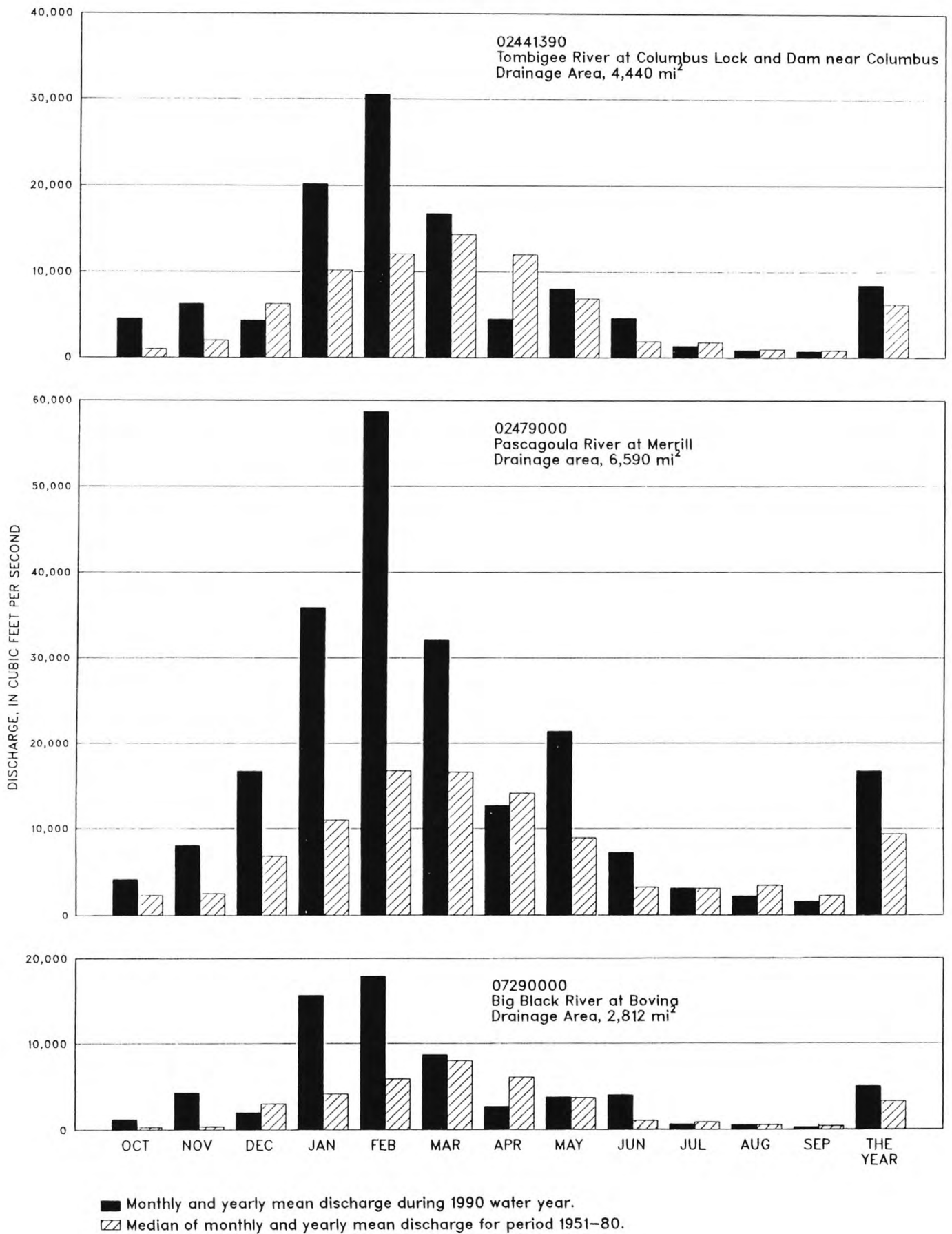


FIGURE 3.—Comparison of discharge during 1990 water year with median discharge for period 1951-80 for three representative gaging stations

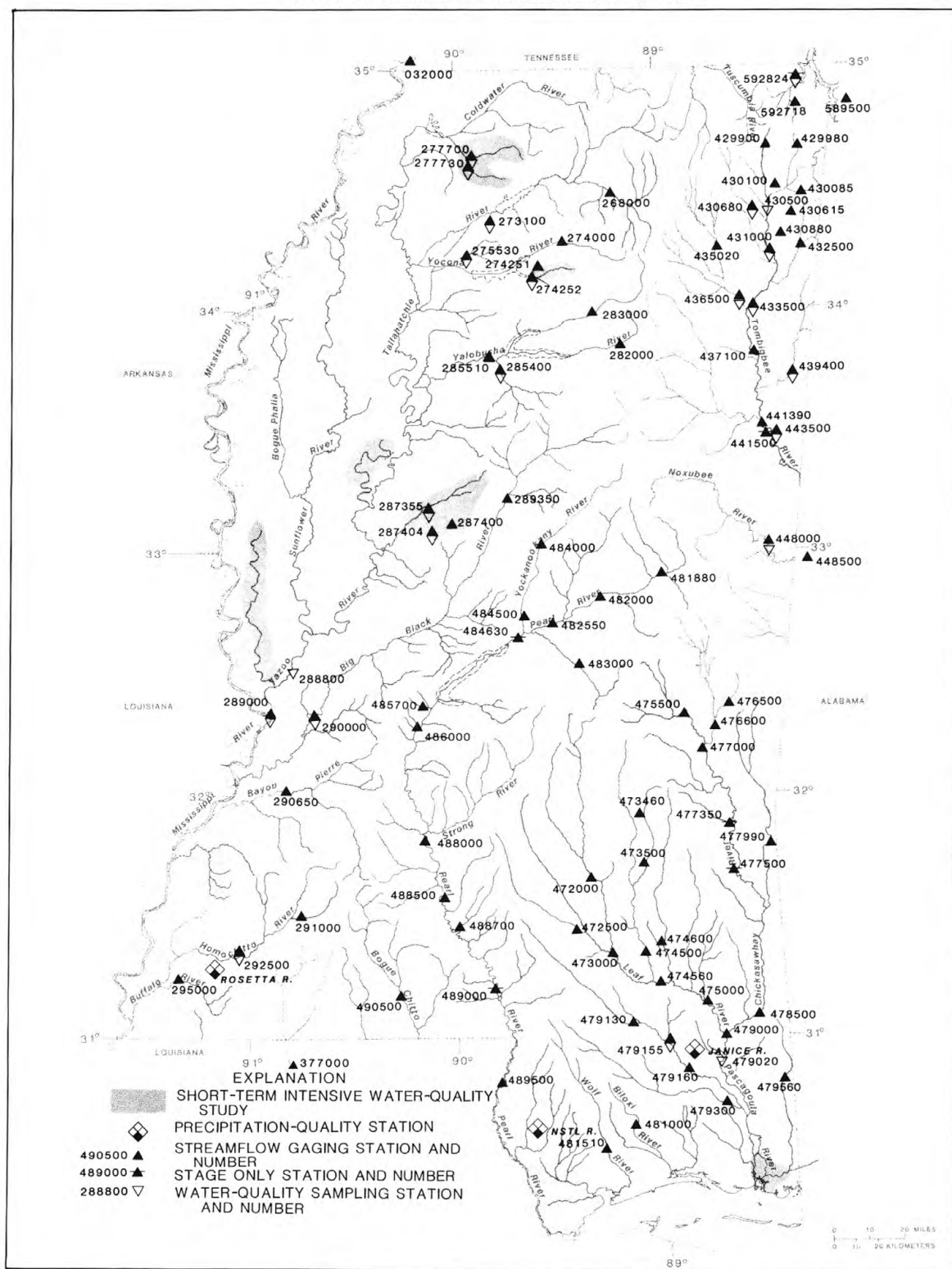


Figure 4.--Location of hydrologic-data stations.

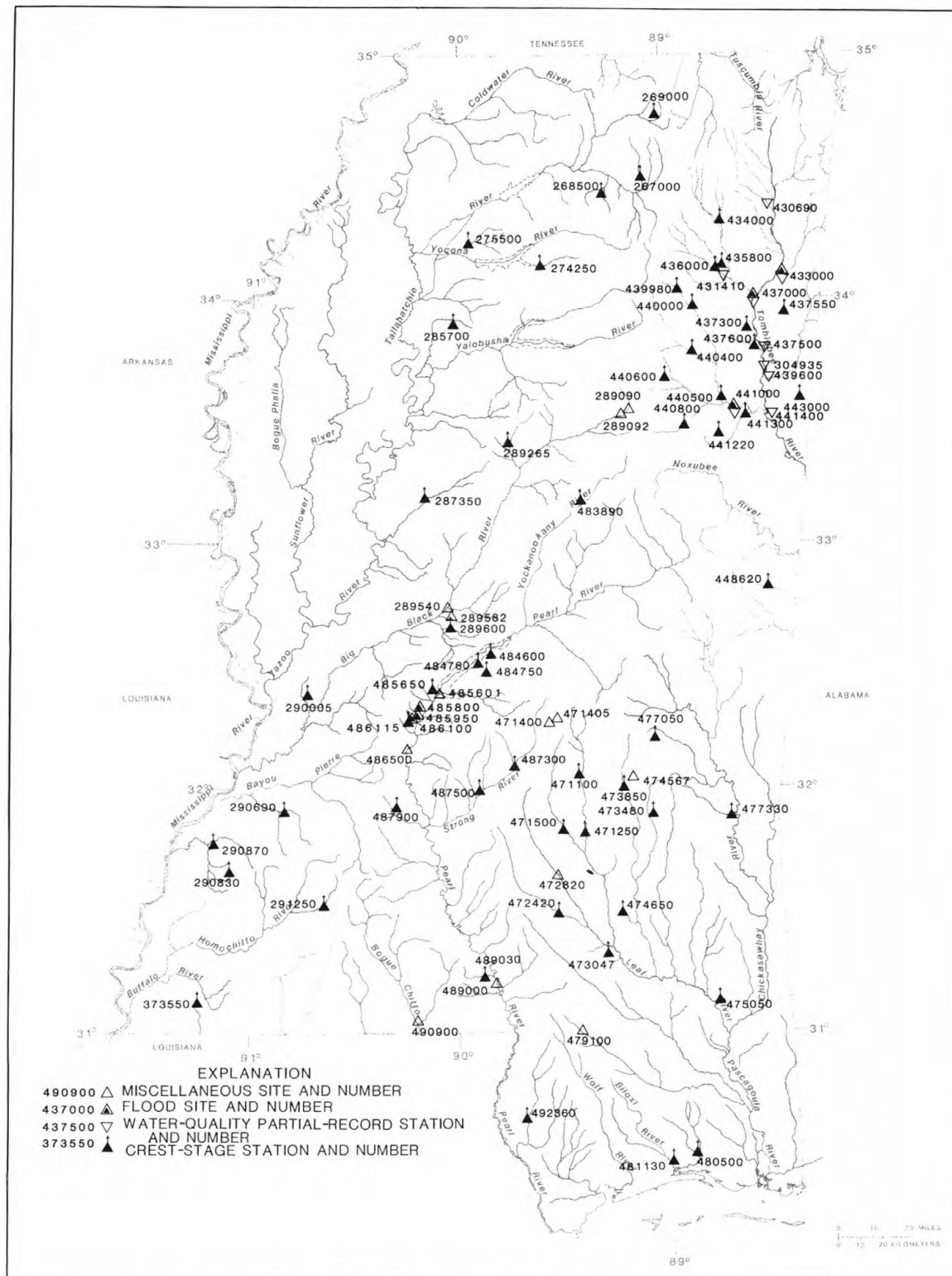
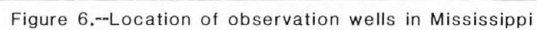


Figure 5.--Partial record and miscellaneous sites.



HYDROLOGIC-DATA STATION RECORDS

EASTERN GULF OF MEXICO BASINS

MOBILE RIVER BASIN

02429900 BIG BROWN CREEK NEAR BOONEVILLE, MS

LOCATION.--Lat 34°37'07", long 88°26'42", SW¼NE¼ sec.27, T.5 S., R.8 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160101, on left bank, near downstream side of bridge on county highway, 0.4 mi downstream from State Highway 30, 2.0 mi upstream from Martin Creek, 7.3 mi east of Booneville, and 13.7 mi upstream from mouth.

DRAINAGE AREA.--27.1 mi².

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

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

GAGE.--Water-stage recorder. Datum of gage is 326.56 ft above National Geodetic Vertical Datum of 1929 (levels by Tennessee Valley Authority). Prior to June 1973, crest-stage gage at site 0.4 mi upstream at different datum.

REMARKS.--Estimated daily discharges: Jan. 18 - 25 and May 27 to June 3. Records fair except estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--17 years, 47.8 ft³/s, 23.95 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,900 ft³/s, Apr. 17, 1970, gage height, 99.97 ft, site and datum then in use, minimum daily, 0.11 ft³/s, Sept. 2, 7, and 8, 1988.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 2	1330	*2490	*20.27

Minimum daily discharge, 0.32 ft³/s, Aug. 31, Sept. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	177	9.3	33	122	75	79	52	53	25	2.3	6.6	.32
2	61	8.7	33	76	168	343	47	63	22	2.0	1.8	.38
3	31	8.2	34	61	1610	167	44	43	360	1.9	1.3	.57
4	19	7.5	37	134	978	101	42	46	65	1.6	1.0	.55
5	13	7.9	36	93	203	82	41	45	41	1.5	.94	.44
6	11	109	35	154	140	71	67	37	34	1.3	1.1	.45
7	8.2	39	36	101	110	65	50	33	29	1.3	1.1	.43
8	6.9	73	49	104	92	136	44	30	23	1.2	1.2	.39
9	6.1	37	62	74	191	118	41	33	18	1.2	1.5	.41
10	5.8	28	51	62	850	91	50	32	19	1.1	1.2	1.7
11	5.5	26	43	57	211	78	45	27	14	1.1	.97	1.1
12	4.8	24	41	52	134	69	38	38	11	1.1	.82	2.6
13	5.0	22	37	45	108	64	37	56	11	1.5	.58	4.8
14	5.0	156	36	42	94	60	38	33	27	1.5	.76	2.9
15	4.9	323	37	41	111	387	37	29	39	1.2	.62	2.0
16	4.9	225	30	39	163	249	35	26	22	1.2	.75	1.5
17	33	69	35	37	90	130	38	23	11	1.2	.70	1.2
18	20	55	35	111	82	97	39	16	9.0	1.1	.71	.99
19	16	45	56	56	77	82	33	16	8.4	1.0	.58	1.4
20	14	42	41	274	66	71	32	254	7.6	1.2	.51	9.7
21	11	38	34	170	63	66	149	255	6.9	1.1	.50	1.4
22	11	137	14	102	157	61	67	106	8.3	.98	.56	1.5
23	9.9	94	13	65	88	57	47	59	9.7	6.9	.51	1.0
24	10	57	16	56	70	53	41	46	8.3	2.9	.49	.76
25	10	49	30	53	60	50	40	38	7.5	1.3	.48	.67
26	9.3	43	27	69	59	55	35	34	6.3	1.1	.46	.67
27	6.5	41	26	67	57	49	33	274	4.1	1.2	.45	.66
28	6.6	37	23	62	55	50	47	170	3.7	1.1	.42	.62
29	7.3	34	24	225	---	56	35	41	2.9	1.0	.40	.64
30	8.0	33	85	106	---	96	32	28	2.7	.98	.35	.66
31	9.5	---	454	80	---	60	---	26	---	4.4	.32	---
TOTAL	551.2	1877.6	1543	2790	6162	3193	1376	2010	856.4	50.46	29.68	42.41
MEAN	17.8	62.6	49.8	90.0	220	103	45.9	64.8	28.5	1.63	.96	1.41
MAX	177	323	454	274	1610	387	149	274	360	6.9	6.6	9.7
MIN	4.8	7.5	13	37	55	49	32	16	2.7	.98	.32	.32
CFSM	.66	2.31	1.84	3.32	8.12	3.80	1.69	2.39	1.05	.06	.04	.05
IN.	.76	2.58	2.12	3.83	8.46	4.38	1.89	2.76	1.18	.07	.04	.06

CAL YR 1989	TOTAL	28110.00	MEAN	77.0	MAX	1580	MIN	1.7	CFSM	2.84	IN	38.59
WTR YR 1990	TOTAL	20481.75	MEAN	56.1	MAX	1610	MIN	.32	CFSM	2.07	IN	28.11

02429980 POLLARD MILL BRANCH AT PADEN, MS

LOCATION.--Lat 34°39'10", long 88°15'00", in SE¼ sec.9, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, on left bank 30 ft upstream from culvert on State Highway 30, 0.8 mi east of Paden.

DRAINAGE AREA.--2.01 mi².

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

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

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

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

AVERAGE DISCHARGE.--18 years, 6.27 ft³/s, 42.36 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 524 ft³/s, May 19, 1983, gage height, 6.07 ft, from rating extended above 20 ft³/s on basis of computation of peak flow through culvert, minimum, 1.1 ft³/s, July 7, 1980, minimum gage height, 2.32 ft, July 8, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 329 ft³/s, Feb. 3, gage height, 5.04 ft, minimum daily discharge 2.6 ft³/s, Sept. 27-30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	3.5	4.2	6.4	5.5	7.7	5.5	4.4	4.0	3.8	3.4	2.9
2	7.1	3.4	4.2	5.6	11	14	5.3	5.1	4.0	3.8	3.4	3.0
3	5.7	3.2	4.0	5.2	102	8.4	5.1	4.6	8.9	3.8	3.3	3.2
4	5.1	3.3	3.7	8.1	23	7.1	5.1	4.5	4.7	3.7	3.2	3.0
5	4.5	3.3	3.8	6.9	11	6.5	5.0	4.7	4.2	3.8	3.5	3.0
6	4.1	9.0	3.9	8.7	9.2	6.3	6.9	4.5	4.0	3.9	3.5	3.0
7	4.0	4.1	3.8	7.2	8.0	6.2	5.4	4.1	3.8	4.1	3.3	3.0
8	4.0	5.1	4.6	7.0	7.5	8.8	5.1	4.0	3.7	4.2	3.3	3.0
9	3.9	3.8	5.6	5.9	27	7.2	4.9	4.5	3.7	3.8	3.3	3.1
10	3.9	3.5	4.7	5.5	40	6.5	5.7	4.3	3.7	3.8	3.3	3.8
11	4.2	3.3	4.3	5.4	12	6.2	5.4	4.1	3.6	4.2	3.1	3.5
12	3.9	3.2	4.2	4.9	9.5	5.9	5.0	5.3	3.5	4.5	3.2	4.3
13	3.6	3.2	3.9	4.7	8.3	5.9	5.0	5.2	3.5	4.4	3.3	5.0
14	3.4	5.9	3.9	4.7	7.7	5.8	5.1	4.2	4.3	4.0	3.3	3.5
15	3.4	10	3.8	4.7	12	16	5.1	4.1	4.3	3.9	3.2	3.3
16	3.4	6.4	3.5	4.7	11	9.6	4.7	4.1	4.1	3.9	3.3	3.3
17	6.1	5.0	3.5	5.9	7.8	7.8	5.5	3.9	3.7	3.8	3.1	3.0
18	3.9	4.5	3.7	6.6	7.3	7.0	5.8	3.9	5.2	3.9	3.1	2.9
19	3.9	4.1	4.9	5.5	7.1	6.5	4.7	5.3	4.8	3.9	3.2	3.5
20	3.8	3.9	3.9	21	6.6	6.0	4.7	10	4.1	3.8	3.1	3.4
21	3.3	3.9	3.9	9.5	6.3	5.9	9.8	9.8	4.0	3.7	3.3	3.1
22	3.1	10	3.9	7.1	9.1	5.9	5.7	6.0	4.3	3.7	3.1	3.2
23	3.1	6.0	3.9	6.3	6.9	5.9	5.0	5.3	4.1	5.6	3.2	2.9
24	3.1	4.9	3.9	6.8	6.1	5.8	4.9	4.8	4.5	3.8	3.2	3.0
25	3.1	4.7	3.9	6.3	5.9	5.5	4.7	4.3	4.0	3.5	3.1	3.0
26	3.1	4.4	4.2	5.6	5.9	6.0	4.6	4.2	4.0	3.3	3.0	2.8
27	3.1	4.3	4.7	5.5	5.9	5.9	4.7	4.8	4.2	3.3	3.0	2.6
28	3.1	4.3	4.4	5.3	5.9	5.7	6.3	4.5	4.0	3.4	3.0	2.6
29	3.1	4.2	5.4	11	---	5.9	4.9	4.1	3.8	3.3	2.9	2.6
30	3.1	4.1	8.1	6.7	---	6.6	4.5	3.9	3.8	3.3	2.9	2.6
31	3.6	---	15	5.9	---	5.7	---	4.0	---	3.6	3.0	---
TOTAL	130.7	142.5	143.4	210.6	385.5	220.2	160.1	150.5	126.5	119.5	99.1	95.1
MEAN	4.22	4.75	4.63	6.79	13.8	7.10	5.34	4.85	4.22	3.85	3.20	3.17
MAX	14	10	15	21	102	16	9.8	10	8.9	5.6	3.5	5.0
MIN	3.1	3.2	3.5	4.7	5.5	5.5	4.5	3.9	3.5	3.3	2.9	2.6
CFSM	2.10	2.36	2.30	3.38	6.87	3.53	2.66	2.41	2.10	1.92	1.59	1.58
IN.	2.42	2.64	2.65	3.90	7.13	4.07	2.96	2.78	2.34	2.21	1.83	1.76
CAL YR 1989	TOTAL	2251.9	MEAN	6.17	MAX	100	MIN	3.0	CFSM	3.07	IN	41.66
WTR YR 1990	TOTAL	1983.7	MEAN	5.43	MAX	102	MIN	2.6	CFSM	2.70	IN	36.70

02430085 RED BUD CREEK NEAR MOORES MILL, MS

LOCATION.--34°28'00", long 88°17'00", in SW4SE4 sec.18, T.7 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, near left bank on upstream side of bridge on county road, 0.18 mi south of intersection of county road and blacktop road, 2.7 mi east-southeast of Moores Mill, and 5.6 mi southwest of Belmont.

DRAINAGE AREA.--15.7 mi².

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

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

GAGE.--Water-stage recorder. Datum of gage is 360.36 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges: Records are poor due to beaver activity on control.

AVERAGE DISCHARGE.--15 years, 25.4 ft³/s, 21.97 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,690 ft³/s, Dec. 3, 1983, gage height, 12.25 ft, minimum, 1.3 ft³/s, Sept. 29, 1986.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Oct. 1	0730	625	11.05	Mar. 2	1445	536	10.64
Jan. 20	1030	610	11.00	May 20	2245	477	10.22
Feb. 3	2200	*1210	*12.23	June 3	0815	482	10.26
Feb. 10	0145	1160	12.16				

Minimum discharge, 2.7 ft³/s, Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	276	9.6	13	45	27	63	25	25	15	6.4	4.4	3.2
2	55	9.5	13	30	207	324	23	24	14	6.2	4.6	3.8
3	33	9.3	12	24	426	114	22	21	135	6.1	4.7	4.8
4	25	9.5	12	90	298	66	22	34	46	5.8	4.1	4.0
5	20	9.8	12	58	95	51	22	30	29	5.6	3.8	3.7
6	17	59	12	93	69	43	27	22	24	5.5	4.0	3.7
7	15	26	11	59	55	39	24	19	19	4.9	3.8	4.3
8	13	32	18	59	47	56	22	17	16	4.6	3.7	5.8
9	13	22	39	38	207	58	22	20	27	4.5	3.7	6.8
10	12	17	29	28	555	46	28	23	31	4.6	3.6	8.8
11	10	15	26	24	104	41	25	18	17	4.4	3.5	7.0
12	10	14	20	19	70	38	22	23	14	6.2	3.4	7.0
13	9.6	12	17	16	57	35	21	31	12	8.2	3.3	11
14	9.4	20	17	15	50	33	22	20	11	5.4	3.5	6.9
15	9.0	52	16	14	93	159	23	18	29	4.6	3.5	6.1
16	8.5	44	12	13	118	101	21	21	26	4.2	3.7	4.9
17	11	26	12	21	64	64	23	22	16	4.0	3.4	4.3
18	9.0	22	13	47	55	49	23	16	15	4.0	3.3	3.9
19	9.1	20	21	25	51	43	20	15	14	3.9	3.3	4.4
20	9.2	19	14	309	44	39	19	150	11	3.7	3.3	5.0
21	9.0	17	12	125	41	36	90	153	13	3.7	3.3	4.6
22	8.8	52	11	64	63	35	48	64	19	3.8	3.3	5.1
23	8.8	41	11	47	44	33	34	41	13	3.8	3.2	4.5
24	8.8	29	11	63	39	32	28	31	9.7	3.7	3.7	4.2
25	8.7	25	11	49	35	30	24	24	8.5	3.5	3.2	4.1
26	8.9	23	11	34	34	32	21	19	7.8	3.7	3.2	3.6
27	8.6	22	11	26	33	29	21	55	7.5	3.3	3.1	3.2
28	8.7	19	10	23	33	26	36	35	7.1	3.4	3.1	3.1
29	8.4	16	11	110	---	29	24	23	6.9	3.3	3.1	2.9
30	8.7	14	24	51	---	32	21	17	6.6	3.9	3.2	2.8
31	10	---	121	34	---	27	---	15	---	5.0	3.1	---
TOTAL	671.2	705.7	583	1653	3014	1803	803	1046	620.1	143.9	110.1	147.5
MEAN	21.7	23.5	18.8	53.3	108	58.2	26.8	33.7	20.7	4.64	3.55	4.92
MAX	276	59	121	309	555	324	90	153	135	8.2	4.7	11
MIN	8.4	9.3	10	13	27	26	19	15	6.6	3.3	3.1	2.8
CFSM	1.38	1.50	1.20	3.40	6.88	3.71	1.71	2.15	1.32	1.30	1.23	1.31
IN.	1.59	1.67	1.38	3.92	7.14	4.27	1.90	2.48	1.47	1.34	1.26	1.35

CAL YR 1989	TOTAL	13774.3	MEAN	37.7	MAX	610	MIN	6.3	CFSM	2.40	IN	32.64
WTR YR 1990	TOTAL	11300.5	MEAN	31.0	MAX	555	MIN	2.8	CFSM	1.98	IN	26.77

02430100 MACKEYS CREEK NEAR MOORES MILL, MS

LOCATION.--Lat 34°29'13", long 88°20'44", in SW4NW4 sec.10, T.7 S., R.9 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160601, on left bank 15 ft upstream from county bridge, 1.0 mi west of Moores Mill, and 0.5 mi west of the Tennessee-Tombigbee Waterway.

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

PERIOD OF RECORD.--October 1983 to current year.

GAGE.--Water-stage recorder. Datum of gage is 314.23 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges: Records good. Flow regulated by Tennessee-Tombigbee Waterway minimum-flow structures. Normal operation of minimum-flow structures began October 1987. U.S. Army Corp of Engineers telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,500 ft³/s, Dec. 3, 1983, from rating curve extended above 400 ft³/s on basis of runoff comparisons with nearby streams, gage height, unknown, minimum, 1.9 ft³/s, Oct. 15, 1984, gage height 1.33 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 297 ft³/s, Feb. 10, gage height 5.78 ft³/s, minimum daily, 57 ft³/s, Jan. 2-3 and Feb. 14.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82	72	64	69	74	74	67	70	70	68	69	68
2	70	74	65	57	84	92	64	71	72	65	69	69
3	66	73	62	57	125	82	68	71	84	69	69	70
4	68	71	64	63	108	80	68	73	78	68	66	69
5	70	71	65	68	75	78	69	70	72	68	69	66
6	68	77	64	69	75	73	74	68	69	72	70	66
7	70	76	67	67	71	68	75	68	71	67	68	71
8	68	71	66	67	69	69	75	67	74	68	68	70
9	63	75	69	65	96	72	74	66	70	69	68	67
10	66	71	68	65	162	72	73	69	73	66	68	69
11	66	72	70	64	76	70	77	69	74	68	69	68
12	64	73	64	63	69	68	75	70	73	70	69	67
13	66	67	64	68	61	65	73	65	73	69	72	67
14	64	67	69	63	57	65	72	68	67	68	70	69
15	66	77	69	67	59	85	73	63	76	70	68	69
16	66	84	69	65	63	82	77	62	78	70	72	71
17	70	80	67	67	78	79	73	61	72	66	68	69
18	70	76	67	65	75	77	71	65	74	65	69	67
19	69	78	73	63	74	75	71	62	70	67	68	69
20	72	74	67	85	70	75	69	85	71	67	69	69
21	68	72	65	70	66	79	76	82	67	67	70	70
22	67	72	65	65	72	79	65	70	70	69	71	73
23	69	70	68	66	80	79	70	63	72	67	69	74
24	73	68	66	63	78	75	68	68	71	66	68	73
25	72	68	63	68	77	75	71	76	66	67	69	75
26	69	67	64	77	72	76	75	75	65	68	69	71
27	68	65	67	75	75	75	69	73	65	70	68	63
28	68	65	68	72	72	72	72	72	66	69	68	65
29	68	65	70	81	---	74	73	69	65	70	68	65
30	71	67	70	76	---	72	73	75	68	68	66	63
31	70	---	80	75	---	74	---	74	---	68	71	---
TOTAL	2127	2158	2079	2105	2213	2331	2150	2160	2136	2109	2135	2062
MEAN	68.6	71.9	67.1	67.9	79.0	75.2	71.7	69.7	71.2	68.0	68.9	68.7
MAX	82	84	80	85	162	92	77	85	84	72	72	75
MIN	63	65	62	57	57	65	64	61	65	65	66	63
CFSM	.58	.61	.57	.58	.67	.64	.61	.59	.61	.58	.59	.59
IN.	.67	.68	.66	.67	.70	.74	.68	.68	.68	.67	.68	.65
CAL YR 1989	TOTAL	25797	MEAN	70.7	MAX	131	MIN	55	CFSM	.60	IN	8.17
WTR YR 1990	TOTAL	25765	MEAN	70.6	MAX	162	MIN	57	CFSM	.60	IN	8.15

MOBILE RIVER BASIN

02430100 MACKEYS CREEK NEAR MOORES MILL, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.28	3.16	3.06	3.15	3.07	3.05	2.93	3.04	3.09	2.99	2.96	2.92
2	3.10	3.20	3.08	2.94	3.24	3.43	2.87	3.07	3.13	2.94	2.97	2.92
3	3.04	3.18	3.03	2.94	3.79	3.19	2.95	3.06	3.33	3.01	2.96	2.95
4	3.07	3.16	3.07	3.05	3.60	3.16	2.94	3.09	3.21	2.98	2.91	2.94
5	3.11	3.15	3.07	3.13	3.08	3.12	2.96	3.06	3.11	3.00	2.96	2.88
6	3.06	3.25	3.07	3.15	3.08	3.04	3.04	3.03	3.06	3.06	2.97	2.88
7	3.10	3.24	3.12	3.11	3.01	2.95	3.05	3.03	3.09	2.97	2.93	2.96
8	3.08	3.17	3.09	3.11	2.98	2.97	3.06	3.01	3.14	2.97	2.93	2.94
9	2.98	3.23	3.14	3.07	3.38	3.02	3.04	3.01	3.07	2.99	2.94	2.89
10	3.03	3.16	3.12	3.07	4.26	3.03	3.03	3.05	3.12	2.95	2.94	2.92
11	3.03	3.18	3.16	3.06	3.10	2.99	3.10	3.05	3.13	2.98	2.94	2.91
12	3.01	3.21	3.07	3.05	2.97	2.94	3.06	3.08	3.11	3.02	2.95	2.88
13	3.04	3.11	3.07	3.14	2.82	2.90	3.04	2.99	3.12	3.00	3.00	2.88
14	3.00	3.11	3.15	3.05	2.76	2.90	3.01	3.04	3.01	2.98	2.96	2.92
15	3.05	3.27	3.15	3.11	2.79	3.25	3.04	2.96	3.16	3.01	2.92	2.92
16	3.04	3.40	3.15	3.09	2.87	3.17	3.11	2.94	3.19	3.01	2.99	2.95
17	3.10	3.34	3.11	3.12	3.12	3.14	3.05	2.93	3.08	2.93	2.91	2.92
18	3.11	3.27	3.11	3.09	3.07	3.11	3.01	3.00	3.12	2.92	2.94	2.89
19	3.08	3.29	3.22	3.05	3.06	3.08	3.03	2.96	3.06	2.96	2.92	2.91
20	3.14	3.23	3.11	3.39	2.98	3.07	2.99	3.36	3.07	2.94	2.94	2.93
21	3.08	3.21	3.07	3.11	2.92	3.14	3.10	3.30	2.99	2.95	2.95	2.94
22	3.06	3.20	3.07	2.97	3.02	3.13	2.94	3.10	3.04	2.98	2.98	2.98
23	3.08	3.16	3.13	2.93	3.16	3.12	3.02	2.99	3.08	2.94	2.93	2.99
24	3.15	3.13	3.10	2.88	3.13	3.06	2.98	3.06	3.06	2.93	2.91	2.97
25	3.14	3.13	3.05	2.96	3.10	3.06	3.05	3.19	2.98	2.95	2.93	3.01
26	3.09	3.12	3.07	3.12	3.02	3.07	3.10	3.18	2.94	2.96	2.93	2.95
27	3.07	3.08	3.11	3.08	3.07	3.06	3.01	3.14	2.94	2.98	2.91	2.81
28	3.09	3.08	3.14	3.02	3.02	3.02	3.07	3.13	2.96	2.97	2.90	2.83
29	3.07	3.08	3.17	3.18	---	3.05	3.08	3.08	2.95	2.99	2.91	2.85
30	3.13	3.11	3.17	3.10	---	3.02	3.09	3.18	3.00	2.96	2.89	2.80
31	3.13	---	3.32	3.08	---	3.05	---	3.15	---	2.95	2.97	---
MEAN	3.08	3.19	3.11	3.07	3.12	3.07	3.03	3.07	3.08	2.97	2.94	2.91
MAX	3.28	3.40	3.32	3.39	4.26	3.43	3.11	3.36	3.33	3.06	3.00	3.01
MIN	2.98	3.08	3.03	2.88	2.76	2.90	2.87	2.93	2.94	2.92	2.89	2.80

WTR YR 1990 MEAN 3.05 MAX 4.26 MIN 2.76

02430500 TOMBIGBEE RIVER NEAR MARIETTA, MS

LOCATION.--Lat 34°25'35", long 88°25'16", in SE¼ sec.35, T.7 S., R.8 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, at bridge on unimproved road 0.5 mi downstream from confluence of Big Brown Creek Canal and Mackeys Creek, and 6 mi southeast of Marietta.

DRAINAGE AREA.--308 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 282.16 ft above National Geodetic Vertical Datum of 1929. October 1968 to September 1977, nonrecording gage.

REMARKS.--Estimated daily discharges, Sept. 3-12. Records fair. Discharges above 500 ft³/s not determined. Telemeter at station.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,600 ft³/s, Mar. 17, 1973, gage height, 12.30 ft, minimum discharge, 10 ft³/s, Aug. 18, 1943, gage height, 2.30 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, not determined, minimum daily discharge, 89 ft³/s, Sept. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	141	179	---	453	466	342	184	176	125	183	135
2	---	140	171	---	---	---	312	286	159	118	178	136
3	412	144	159	---	---	---	248	247	---	118	174	136
4	277	137	150	---	---	---	247	223	---	116	163	134
5	219	138	158	---	---	---	234	302	464	116	159	130
6	186	393	155	---	---	---	291	222	297	116	164	110
7	171	---	150	---	---	417	356	175	232	115	161	100
8	166	420	177	---	---	---	286	158	208	109	156	105
9	153	419	298	---	---	---	269	148	213	111	157	130
10	149	280	306	479	---	---	259	171	339	108	145	150
11	146	235	255	381	---	484	308	137	250	108	150	170
12	146	216	221	323	---	406	241	142	185	116	154	190
13	140	206	191	275	---	366	220	292	176	125	154	180
14	139	422	177	266	---	335	213	191	155	119	152	158
15	136	---	181	253	---	---	223	151	264	112	144	100
16	135	---	162	247	---	---	214	128	488	112	146	99
17	183	---	148	250	---	---	213	115	247	107	143	114
18	203	---	151	---	---	---	271	101	223	103	142	110
19	164	436	211	421	---	---	215	91	205	106	140	129
20	157	350	225	---	419	424	201	---	184	108	147	192
21	155	291	177	---	369	385	---	---	166	107	144	94
22	148	429	125	---	---	356	---	---	166	107	143	89
23	149	---	167	---	---	328	475	---	168	107	142	124
24	149	---	165	---	---	304	312	388	155	123	141	119
25	146	364	149	---	393	282	250	283	151	110	137	120
26	144	295	164	467	354	292	218	218	136	105	139	118
27	138	263	161	372	345	306	191	500	135	114	136	111
28	139	238	168	338	326	273	241	---	131	164	135	111
29	137	198	172	---	---	336	230	392	125	158	135	182
30	140	182	263	---	---	405	189	249	126	158	133	135
31	139	---	---	---	---	444	---	205	---	163	137	---
TOTAL	---	---	---	---	---	---	---	---	---	3684	4634	3911
MEAN	---	---	---	---	---	---	---	---	---	119	149	130
MAX	---	---	---	---	---	---	---	---	---	164	183	192
MIN	---	---	---	---	---	---	---	---	---	103	133	89
CFSM	---	---	---	---	---	---	---	---	---	.39	.48	.42
IN.	---	---	---	---	---	---	---	---	---	.44	.56	.47

MOBILE RIVER BASIN

02430500 TOMBIGBEE RIVER NEAR MARIETTA, MS--Continued

WATER-QUALITY RECORDS

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

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY)
MAR 06...	1715	470	61	77
APR 11...	1425	296	57	46
MAY 24...	1530	384	78	81
JUN 28...	1300	128	85	29
AUG 14...	1550	156	113	48

02430615 MUD CREEK NEAR FAIRVIEW, MS

LOCATION.--Lat 34°23'32", long 88°21'17", in NW¼NE¼ sec.16, T.8 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, at left bank on downstream side of bridge on county road 3.0 mi northwest of Fairview and 8.8 mi north-northeast of Fulton.

DRAINAGE AREA.--11.1 mi².

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

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

GAGE.--Water-stage recorder. Elevation of gage is 313 ft above National Geodetic Vertical Datum of 1929, from topographic map. Records are fair except estimated periods, which are poor.

REMARKS.--Estimated daily discharges; Dec. 22-27, Feb. 20-21, 24-28, Mar. 5-7, 10-14, 18-31, Apr. 1-10, June 26-28, Aug. 20 to Sept. 1. Records fair except estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--15 years, 17.0 ft³/s, 20.80 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 813 ft³/s, March 5, 1989, gage height, 9.57 ft, minimum, 1.3 ft³/s, Aug. 6, 1986, gage height, 3.74 ft.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Oct. 1	0300	424	8.89	Feb. 3	2145	*677	*9.38
Jan. 20	1030	424	8.89	Feb. 10	0300	670	9.37

Minimum daily discharge, 1.9 ft³/s, Aug. 31, Sept. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	127	12	12	22	19	58	23	15	13	6.2	5.1	1.9
2	18	12	12	18	164	193	21	15	12	6.6	6.1	7.0
3	12	12	11	17	238	47	20	15	38	6.5	6.0	7.0
4	9.9	12	12	66	180	29	20	41	17	5.8	4.8	5.3
5	8.8	13	12	30	40	23	20	23	13	5.6	4.2	4.4
6	8.3	74	12	47	29	22	19	16	11	5.5	3.9	4.1
7	8.7	21	12	29	25	21	19	14	10	5.2	3.7	3.8
8	7.7	33	18	30	22	41	19	13	9.9	4.8	3.4	3.6
9	7.6	16	30	21	115	31	18	15	51	5.0	3.1	3.9
10	7.4	12	21	19	358	23	18	14	46	5.0	3.0	6.6
11	7.3	12	18	17	51	22	25	13	15	5.6	2.9	5.0
12	7.6	11	15	16	34	21	18	18	12	12	2.6	5.3
13	7.1	11	14	16	27	20	16	22	10	13	2.6	17
14	7.1	23	14	16	24	20	17	14	10	7.9	2.9	5.3
15	7.1	34	13	15	74	131	18	13	15	6.6	2.8	5.1
16	7.8	23	13	15	71	43	16	13	16	6.0	2.6	4.5
17	10	14	13	22	28	30	20	12	11	5.7	2.4	3.9
18	8.8	13	13	37	25	27	20	11	12	5.9	2.2	3.6
19	9.0	13	18	21	24	23	16	10	12	5.5	2.1	12
20	8.8	12	14	184	20	21	16	54	9.8	5.2	3.5	11
21	8.5	12	13	45	19	26	57	71	17	5.1	3.0	5.4
22	8.5	46	13	27	45	22	25	24	22	4.9	2.8	6.1
23	8.5	23	13	23	23	21	19	18	12	5.2	2.6	4.7
24	8.7	15	13	41	20	21	17	16	10	5.1	2.4	4.6
25	8.8	15	12	27	19	20	16	14	9.5	4.5	2.3	4.0
26	8.9	14	12	20	18	20	15	13	8.6	3.9	2.2	3.8
27	9.4	14	12	19	17	20	15	51	7.8	3.8	2.1	3.5
28	10	13	13	18	17	20	22	22	7.2	3.8	2.1	3.3
29	10	12	14	73	---	20	16	15	6.8	4.0	2.0	3.2
30	11	12	25	26	---	28	15	13	6.4	4.1	2.0	3.2
31	12	---	83	21	---	25	---	12	---	4.8	1.9	---
TOTAL	400.3	559	520	998	1746	1089	596	630	451.0	178.8	95.3	162.1
MEAN	12.9	18.6	16.8	32.2	62.4	35.1	19.9	20.3	15.0	5.77	3.07	5.40
MAX	127	74	83	184	358	193	57	71	51	13	6.1	17
MIN	7.1	11	11	15	17	20	15	10	6.4	3.8	1.9	1.9
CFSM	1.16	1.68	1.51	2.90	5.62	3.16	1.79	1.83	1.35	.52	.28	.49
IN.	1.34	1.87	1.74	3.34	5.85	3.65	2.00	2.11	1.51	.60	.32	.54

CAL YR 1989	TOTAL	9050.9	MEAN 24.8	MAX 478	MIN 5.5	CFSM 2.23	IN 30.33
WTR YR 1990	TOTAL	7425.5	MEAN 20.3	MAX 358	MIN 1.9	CFSM 1.83	IN 24.88

02430680 TWENTYMILE CREEK NEAR GUNTOWN, MS

LOCATION.--Lat 34°27'11", long 88°34'37", in SW¼ sec.21, T.7 S., R.7 E., Chickasaw Meridian, Lee County, Hydro-logic Unit 03160101, on downstream side of bridge on county road, and 6.0 mi southeast of Baldwyn, and 6.0 mi east of Guntown.

DRAINAGE AREA.--131 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1982 to current year.

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

REMARKS.--Estimated daily discharges; Dec. 22-27, June 11-14, June 17 to July 31, and Aug. 2-14. Records fair except estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--8 years, 213 ft³/s, 22.04 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,400 ft³/s, May 19, 1983, gage height, 30.00 ft, from flood-mark; no flow on Aug. 19, 1988.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 15	2030	6,960	18.22	Feb. 03	2115	*22,200	*27.95
Dec. 31	0800	8,180	19.36	Feb. 10	0200	15,400	25.58
Jan. 20	1045	8,210	19.39	Mar. 02	1315	5,240	16.54

Minimum discharge, .04 ft³/s, Sept. 5-6.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	273	9.8	47	367	153	490	120	42	35	3.3	66	.12
2	78	12	46	181	1410	2940	93	173	31	3.1	14	.12
3	43	7.0	42	137	11300	663	71	74	582	2.9	11	.15
4	30	6.6	38	841	4830	271	65	54	117	2.7	8.3	.10
5	23	6.8	40	423	494	190	62	48	52	2.6	6.4	.05
6	21	578	40	1120	298	150	130	41	38	2.4	4.5	.05
7	18	150	38	369	228	132	138	35	32	2.3	3.5	.09
8	15	441	49	537	180	978	81	30	28	2.2	2.7	.10
9	13	134	106	239	1580	656	67	31	29	2.1	2.0	6.8
10	12	52	107	158	6960	322	92	34	28	2.0	1.8	15
11	11	37	72	131	534	222	107	28	24	1.9	1.5	1.7
12	10	30	59	102	288	163	71	66	22	1.8	1.3	6.9
13	9.9	26	50	82	209	140	66	378	20	1.7	1.1	37
14	9.9	657	44	79	173	120	64	74	18	1.6	.92	10
15	9.9	1830	44	76	276	1680	63	48	29	1.5	.69	4.8
16	10	799	39	74	1240	842	56	39	37	1.4	.60	2.0
17	32	159	43	86	262	334	61	31	26	1.3	.41	1.3
18	26	101	41	471	181	198	81	27	22	1.2	.35	1.0
19	15	77	84	232	166	151	55	30	16	1.2	.32	23
20	13	64	76	3120	129	123	50	1460	12	1.1	4.5	29
21	10	57	70	848	112	109	655	1190	9.1	1.1	25	5.0
22	9.4	793	57	288	1460	103	234	333	7.7	1.0	5.8	3.2
23	9.1	455	52	192	361	93	103	130	6.4	1.8	2.3	3.1
24	9.1	140	48	269	188	84	72	83	5.7	1.2	1.2	1.8
25	8.5	98	44	261	131	76	57	59	5.1	1.1	.77	1.3
26	7.7	85	42	150	115	84	48	50	4.5	1.0	.64	2.2
27	7.6	77	40	119	105	86	43	461	4.5	.98	.58	3.0
28	7.5	65	45	111	99	78	123	127	4.0	.96	.59	1.5
29	7.4	54	47	1470	---	117	72	56	3.7	.95	.58	1.1
30	7.5	47	289	360	---	349	47	41	3.5	.95	.66	1.2
31	8.7	---	2740	195	---	198	---	36	---	10	.27	---
TOTAL	765.2	7048.2	4579	13088	33462	12142	3047	5309	1252.2	61.34	170.28	162.68
MEAN	24.7	235	148	422	1195	392	102	171	41.7	1.98	5.49	5.42
MAX	273	1830	2740	3120	11300	2940	655	1460	582	10	66	37
MIN	7.4	6.6	38	74	99	76	43	27	3.5	.95	.27	.05
CFSM	.19	1.79	1.13	3.22	9.12	2.99	.78	1.31	.32	.02	.04	.04
IN.	.22	2.00	1.30	3.72	9.50	3.45	.87	1.51	.36	.02	.05	.05
CAL YR 1989	TOTAL	117612.60	MEAN	322	MAX	7610	MIN	4.4	CFSM	2.46	IN	33.40
WTR YR 1990	TOTAL	81086.90	MEAN	222	MAX	11300	MIN	.05	CFSM	1.70	IN	23.03

MOBILE RIVER BASIN

37

02430680 TWENTYMILE CREEK NEAR GUNTOWN, MS--Continued

WATER-QUALITY RECORDS

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

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
JAN 25...	1145	282	59	45
MAR 06...	1315	147	28	11
APR 10...	0940	64	18	3.1

02430880 CUMMINGS CREEK NEAR FULTON, MS

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

DRAINAGE AREA.--19.1 mi².

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

GAGE.--Water-stage recorder. Elevation of gage is 295 ft. above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good, except for estimated period Jan. 24-25, which is fair.

AVERAGE DISCHARGE.--15 years, 32.6 ft³/s, 22.61 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,840 ft³/s, Mar. 5, 1989 gage height, 11.74 ft, minimum daily, 2.1 ft³/s, Aug. 28, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 536 ft³/s, Feb. 3, gage height, 10.53 ft, minimum daily, 6.3 ft³/s, Aug. 30 - Sept. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	112	15	18	42	39	92	40	38	22	16	12	6.3
2	41	15	18	29	165	217	38	34	21	18	21	6.6
3	29	14	17	26	221	98	36	28	61	19	12	6.7
4	23	17	17	113	216	63	33	58	29	15	9.1	6.8
5	20	20	18	53	86	56	31	43	19	13	8.2	6.6
6	18	91	18	86	62	50	31	29	16	13	8.1	6.4
7	16	44	20	51	50	48	33	24	15	12	7.4	6.5
8	15	60	32	53	48	77	32	22	14	11	7.3	6.9
9	15	31	60	33	109	77	30	24	26	13	7.1	7.5
10	15	22	38	27	288	54	29	23	29	15	7.3	7.9
11	15	19	29	23	85	48	30	21	16	16	7.4	8.5
12	15	18	25	20	55	48	29	30	13	20	7.4	9.5
13	15	17	21	18	48	47	28	39	13	22	7.4	29
14	15	52	19	18	47	47	31	24	13	13	7.4	16
15	15	48	19	17	112	149	32	20	26	11	7.5	14
16	15	40	17	17	124	93	29	19	27	10	7.3	14
17	17	24	17	27	57	61	34	20	15	9.6	7.1	14
18	16	20	19	67	51	48	35	17	15	9.5	7.1	13
19	16	19	28	34	51	47	28	16	22	9.2	7.5	43
20	16	19	20	193	49	47	27	60	20	9.1	7.6	25
21	16	19	17	92	48	47	63	105	66	9.1	7.9	13
22	16	69	24	51	85	46	41	44	64	9.5	8.2	12
23	16	53	20	44	49	44	31	32	28	11	8.0	11
24	15	31	12	71	48	42	28	27	20	9.9	8.0	10
25	14	27	16	45	48	40	26	22	18	9.2	7.8	10
26	15	26	19	39	48	40	24	20	16	9.1	7.6	9.7
27	13	24	19	35	46	40	23	92	15	8.8	7.1	8.9
28	14	21	19	33	44	39	39	45	14	8.9	6.9	7.7
29	14	19	20	115	---	39	26	28	15	9.1	6.6	7.3
30	14	18	44	49	---	45	24	22	17	18	6.3	8.8
31	17	---	114	43	---	42	---	22	---	15	6.3	---
TOTAL	623	912	794	1564	2379	1931	961	1048	705	392.0	253.9	352.6
MEAN	20.1	30.4	25.6	50.5	85.0	62.3	32.0	33.8	23.5	12.6	8.19	11.8
MAX	112	91	114	193	288	217	63	105	66	22	21	43
MIN	13	14	12	17	39	39	23	16	13	8.8	6.3	6.3
CFSM	1.05	1.59	1.34	2.64	4.45	3.26	1.68	1.77	1.23	.66	.43	.62
IN.	1.21	1.78	1.55	3.05	4.63	3.76	1.87	2.04	1.37	.76	.49	.69
CAL YR 1989	TOTAL	14952.0	MEAN	41.0	MAX	882	MIN	10	CFSM	2.15	IN	29.12
WTR YR 1990	TOTAL	11915.5	MEAN	32.6	MAX	288	MIN	6.3	CFSM	1.71	IN	23.21

02431000 TOMBIGBEE RIVER NEAR FULTON, MS

LOCATION.--Lat 34°15'53", long 88°26'42", in SE4 sec.27, T.9 S., R.8 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on left bank at downstream side of bridge on U.S. Highway 78, 1,000 ft downstream from Twentymile-Fulton Canal, 2.2 mi west of Fulton, 6.2 mi upstream from Mantachie Creek Canal, 13.5 mi downstream from Twentymile Creek Canal, and at mile 421.7.

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

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Datum of gage is 242.93 ft above National Geodetic Vertical Datum 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 Dec. 30 - Feb. 3, Feb. 6 - Mar. 9. Records good except for estimated discharge which is poor. Some regulation by Tennessee-Tombigbee Waterway. Telemeter at station.

AVERAGE DISCHARGE.--56 years, (water years 1929-84) 971 ft³/s, 21.55 in/yr, prior to construction of Tennessee-Tombigbee Waterway, 6 years, (water years 1985-90) 712 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 82,200 ft³/s, Mar. 22, 1955, gage height, 25.75 ft, from rating curve extended above 48,000 ft³/s on basis of estimate of flow made by indirect methods, minimum observed, 11 ft³/s, Nov. 15, 1971 (temporary regulation), minimum unregulated, 12 ft³/s, Aug. 31 to Sept. 2, 1943, minimum gage height, 0.87 ft, Aug. 12, 1930.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 4	1730	*26,000	*20.81	Feb. 11	----	unknown	unknown

Minimum daily discharge, 104 ft³/s, Sept. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1370	152	411	2700	1900	1000	721	330	442	133	197	137
2	1610	152	383	2500	3000	2500	614	381	361	132	231	136
3	1550	153	363	2300	8000	3300	519	429	634	127	189	136
4	1190	156	343	2800	19400	3200	454	385	1110	125	175	139
5	718	154	324	3000	15800	2000	433	402	1140	123	161	139
6	482	181	319	3000	7000	1800	418	392	955	122	157	134
7	367	583	314	2900	3500	1200	558	346	605	122	158	130
8	299	705	306	2300	1500	1200	497	309	428	120	157	125
9	258	787	344	1500	2500	1000	440	286	331	117	154	109
10	220	727	448	1200	6000	1870	420	282	396	119	155	114
11	199	545	506	900	15000	1600	488	285	406	121	145	155
12	185	435	497	750	10000	1200	456	262	318	124	150	176
13	179	373	459	600	3000	918	413	518	259	137	154	213
14	171	344	417	510	1600	772	399	489	221	138	155	229
15	168	665	383	480	1500	1160	400	350	230	129	156	162
16	168	1160	361	460	2500	2870	388	288	368	123	151	110
17	168	1720	337	560	1850	3200	371	260	374	122	152	109
18	207	1960	315	1000	1500	2480	410	228	298	118	149	118
19	250	1850	309	1600	1200	1840	413	202	282	115	147	117
20	219	1400	340	2500	1000	1250	372	588	254	115	147	278
21	200	948	377	3500	900	909	442	1880	262	116	158	207
22	189	736	343	5000	1950	762	1070	2650	381	115	168	112
23	181	916	167	3500	1850	678	935	2690	264	118	153	104
24	177	1160	282	670	1500	615	851	1980	219	117	148	128
25	172	1130	334	1100	9000	558	638	1200	185	126	144	125
26	168	990	344	820	690	515	501	669	164	116	141	126
27	164	806	333	920	610	521	395	713	155	113	142	123
28	158	650	329	800	6000	500	382	1270	146	127	139	118
29	155	535	328	700	---	514	442	1060	139	156	138	130
30	153	459	1000	1900	---	597	369	860	134	153	138	176
31	152	---	2500	2000	---	881	---	583	---	156	135	---
TOTAL	11847	22532	13816	54470	130250	43410	15209	22567	11461	3895	4844	4315
MEAN	382	751	446	1757	4652	1400	507	723	382	126	156	144
MAX	1610	1960	2500	5000	19400	3300	1070	2690	1140	156	231	278
MIN	152	152	167	460	610	500	369	202	134	113	135	104
CFSM	.62	1.23	.73	2.87	7.60	2.29	.83	1.19	.62	.21	.26	.24
IN.	.72	1.37	.84	3.31	7.92	2.64	.92	1.37	.70	.24	.29	.26
CAL YR 1989	TOTAL	484669	MEAN	1328	MAX	17000	MIN	112	CFSM	2.17	IN	29.46
WTR YR 1990	TOTAL	338616	MEAN	928	MAX	19400	MIN	104	CFSM	1.52	IN	20.58

MOBILE RIVER BASIN
02431000 TOMBIGBEE RIVER NEAR FULTON, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.77	7.22	9.26		---	---	11.56	8.81	9.77	7.16	7.60	7.02
2	14.58	7.22	9.03		---	---	10.94	9.25	9.07	7.16	7.88	7.01
3	14.51	7.23	8.86		---	---	10.33	9.66	10.78	7.10	7.53	7.01
4	13.46	7.26	8.70		19.92	---	9.89	9.28	13.43	7.08	7.42	7.04
5	11.31	7.24	8.55		19.38	---	9.71	9.43	13.55	7.05	7.30	7.04
6	9.81	7.45	8.52		---	---	9.58	9.35	12.75	7.04	7.26	6.99
7	8.90	10.45	8.48		---	---	10.57	8.95	10.87	7.04	7.26	6.95
8	8.36	11.24	8.41		---	---	10.19	8.64	9.65	7.02	7.24	6.89
9	8.01	11.72	8.71		---	---	9.77	8.44	8.82	6.99	7.21	6.72
10	7.74	11.37	9.55		---	15.37	9.60	8.40	9.39	6.99	7.22	6.77
11	7.58	10.25	10.00		---	14.82	10.12	8.43	9.47	7.02	7.12	7.19
12	7.48	9.45	9.94		---	13.72	9.89	8.22	8.71	7.04	7.16	7.38
13	7.44	8.94	9.64		---	12.61	9.53	10.16	8.19	7.16	7.19	7.69
14	7.38	8.71	9.31		---	11.85	9.41	10.09	7.89	7.17	7.19	7.82
15	7.35	10.96	9.03		---	13.17	9.42	8.98	7.98	7.08	7.20	7.24
16	7.35	13.35	8.84		---	16.54	9.32	8.45	9.13	7.02	7.16	6.74
17	7.35	14.90	8.66		---	16.83	9.16	8.20	9.19	7.00	7.16	6.72
18	7.64	15.37	8.49		---	16.20	9.50	7.95	8.54	6.96	7.14	6.83
19	7.95	15.16	8.43		---	15.29	9.53	7.74	8.40	6.93	7.12	6.82
20	7.73	14.11	8.68		---	13.88	9.17	10.17	8.16	6.93	7.12	8.27
21	7.58	12.53	8.98		---	12.57	9.64	15.37	8.23	6.93	7.22	7.63
22	7.51	11.43	8.22		---	11.80	13.26	16.37	9.25	6.91	7.31	6.76
23	7.45	12.35	7.32		---	11.32	12.70	16.41	8.24	6.94	7.17	6.68
24	7.42	13.42	8.21		---	10.94	12.28	15.53	7.88	6.92	7.12	6.93
25	7.38	13.32	8.63		---	10.59	11.08	13.63	7.61	7.01	7.09	6.90
26	7.35	12.73	8.71		---	10.31	10.21	11.25	7.45	6.91	7.06	6.91
27	7.32	11.82	8.63		---	10.35	9.37	11.40	7.37	6.87	7.07	6.88
28	7.27	10.92	8.59		---	10.21	9.25	13.98	7.29	7.01	7.04	6.82
29	7.25	10.19	8.58		---	10.30	9.78	13.24	7.23	7.28	7.03	6.95
30	7.23	9.64	---		---	10.82	9.14	12.30	7.18	7.25	7.04	7.37
31	7.22	---	---		---	12.44	---	10.73	---	7.28	7.00	---
MEAN	8.60	10.93	---		---	---	10.13	10.61	9.05	7.04	7.21	7.07
MAX	14.58	15.37	---		---	---	13.26	16.41	13.55	7.28	7.88	8.27
MIN	7.22	7.22	---		---	---	9.14	7.74	7.18	6.87	7.00	6.68

02431000 TOMBIGBEE RIVER NEAR FULTON, MS--Continued

WATER-QUALITY RECORDS

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

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
JAN					MAR				
24...	1645	1600	147	635	07...	1320	1560	79	333
FEB					APR				
02...	1530	1580	822	3510	11...	0725	478	70	90
04...	0050	8960	1040	25200	MAY				
04...	0635	15400	1530	63600	21...	1110	1910	615	3170
04...	2140	24800	711	47600	JUL				
05...	0810	17600	492	23400	11...	1600	116	33	10
05...	1500	14100	376	14300	AUG				
16...	0220	1970	154	819	14...	1810	157	51	22

MOBILE RIVER BASIN

02432500 BULL MOUNTAIN CREEK AT TREMONT, MS

LOCATION.--Lat 34°14'20", long 88°16'15", in NE¼SW¼ sec.5, T.10 S., R.10 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on left bank at downstream side of bridge on U.S. Highway 78, 0.7 mi northwest of Tremont, 1.5 mi upstream from Johns Creek, 1.5 mi upstream from Cypress Creek, 8.0 mi southeast of Fulton, and 27.2 mi upstream from the mouth.

DRAINAGE AREA.--136 mi².

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

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

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

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

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height and discharge not determined, minimum discharge, 6.5 ft³/s, July 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	51	99	---	---	193	156	130	77	9.0	23	8.8
2	---	51	94	---	---	---	146	191	69	8.6	20	9.5
3	---	49	88	---	---	---	138	145	107	8.9	22	9.6
4	---	47	81	---	---	---	128	153	146	8.6	24	11
5	184	47	79	---	---	---	123	---	87	7.8	20	11
6	154	94	78	---	---	---	122	---	66	7.1	18	14
7	134	---	75	---	---	---	144	166	55	6.9	17	14
8	116	160	88	---	---	---	141	141	47	7.9	16	12
9	103	175	179	---	---	---	126	130	41	10	15	16
10	93	128	---	---	---	---	119	134	42	9.3	15	14
11	85	107	---	---	---	---	122	117	36	10	14	15
12	79	94	180	---	---	---	123	110	30	13	15	17
13	71	86	160	178	---	---	115	150	27	23	14	62
14	67	84	138	160	---	192	110	132	24	21	14	57
15	65	132	124	148	---	---	117	108	24	14	14	30
16	62	---	113	138	---	---	124	99	50	12	13	26
17	65	191	99	131	---	---	118	93	34	11	13	24
18	71	148	94	---	---	---	122	90	26	11	12	22
19	64	127	96	---	---	---	126	78	23	12	13	22
20	63	114	101	---	---	---	117	183	21	13	12	108
21	62	108	90	---	---	---	142	---	18	13	11	53
22	60	133	80	---	---	---	---	---	68	15	11	32
23	57	---	46	---	---	195	---	---	35	17	11	29
24	55	---	71	---	---	182	169	188	23	19	11	25
25	52	200	67	---	---	171	146	148	17	18	11	23
26	49	167	70	---	---	161	128	118	15	15	11	22
27	48	148	73	---	197	160	117	118	13	14	11	22
28	46	137	73	---	183	154	140	---	11	14	10	21
29	47	126	71	---	---	154	144	150	10	15	10	21
30	47	107	84	---	---	157	118	109	9.5	15	9.9	20
31	48	---	---	---	---	164	---	87	---	19	9.0	---
TOTAL	---	---	---	---	---	---	---	---	1251.5	398.1	439.9	770.9
MEAN	---	---	---	---	---	---	---	---	41.7	12.8	14.2	25.7
MAX	---	---	---	---	---	---	---	---	146	23	24	108
MIN	---	---	---	---	---	---	---	---	9.5	6.9	9.0	8.8
CFSM	---	---	---	---	---	---	---	---	.31	.09	.10	.19
IN.	---	---	---	---	---	---	---	---	.34	.11	.12	.21

02433500 TOMBIGBEE RIVER AT BIGBEE, MS

LOCATION.--Lat 34°00'42", long 88°30'50", in SW4NE4 sec.25, T.12 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, near right bank on downstream side of bridge on State Highway 6, 0.2 mi upstream from St. Louis-San Francisco Railway bridge, 0.5 mi southeast of Bigbee, 2.4 mi northwest of Amory, 3.7 mi upstream from Town Creek, and at mile 383.1.

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

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1944 to September 1954, October 1963 to current year. 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 1504: 1946, 1948. WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 190.00 ft above National Geodetic Vertical Datum 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: Dec. 22-26. Records good except for estimated daily discharges, which are poor. Some regulation by Tennessee-Tombigbee Waterway. Telemeter at station.

AVERAGE DISCHARGE.--31 years, (water years 1945-54 and 1964-84) 2,157 ft³/s, 23.89 in/yr, prior to construction of Tennessee-Tombigbee Waterway, 6 years, (water years 1985-90) 1,340 ft³/s.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 112,000 ft³/s, Mar. 17, 1973, gage height, 27.64 ft, minimum, 29 ft³/s, Sept. 15, 1954.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 6	0400	*31,800	*19.84	Feb. 12	0645	21,000	17.55

Minimum discharge, 242 ft³/s, Sept 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4960	328	610	3150	3180	1920	1720	885	982	446	312	278
2	3580	328	570	3130	4400	6180	1310	914	833	397	435	282
3	3190	330	549	3790	6230	7680	1190	1080	3450	344	428	280
4	2980	336	528	4610	10400	8840	948	1380	3260	317	358	279
5	1500	338	504	4650	21700	9140	1040	1960	1900	311	336	279
6	882	864	489	5100	28200	6750	1120	1440	1410	304	321	279
7	635	1280	497	4940	15200	4680	901	1050	1240	304	310	276
8	525	1310	509	4750	8270	3780	1160	810	860	300	306	272
9	458	1200	701	3960	5520	4360	892	892	886	296	303	267
10	418	1030	935	3490	8920	4060	982	538	837	299	302	253
11	392	767	947	2600	11300	3960	1140	717	860	340	302	255
12	630	734	768	1740	19100	3400	970	906	779	370	293	308
13	466	606	676	1190	12600	2520	855	896	552	457	293	599
14	360	809	603	968	7470	2250	839	939	517	323	298	410
15	352	1080	558	864	6120	3770	881	877	774	307	298	373
16	345	2160	527	734	7310	6280	878	655	1230	288	295	320
17	352	1860	507	781	5950	5880	1080	622	723	281	299	269
18	355	2000	482	1490	5720	6530	879	642	570	298	298	256
19	415	1950	495	1670	4920	5780	943	457	580	281	299	268
20	402	1860	520	4000	3660	4290	1010	1910	490	277	297	295
21	376	1400	601	6910	2300	2970	1610	6500	503	298	293	401
22	369	1420	530	5950	2910	2130	1410	6480	858	335	314	433
23	361	1440	477	7130	3410	1860	2000	4670	624	409	313	275
24	359	1590	455	7150	3060	1720	1550	4020	494	322	298	247
25	353	1450	447	5900	2700	1430	1470	3260	517	303	295	264
26	348	1380	447	3740	1960	1350	1100	2860	385	299	293	267
27	340	1070	447	2800	1590	1310	931	2470	362	320	286	271
28	335	887	475	1950	1570	1310	903	3690	348	280	286	275
29	336	755	488	2900	---	1270	673	2350	342	282	281	269
30	332	685	609	3110	---	1540	891	1940	337	306	277	276
31	328	---	2660	3380	---	1800	---	1130	---	311	279	---
TOTAL	27034	33247	19611	108527	215670	120740	33276	58940	27503	10005	9598	9076
MEAN	872	1108	633	3501	7703	3895	1109	1901	917	323	310	303
MAX	4960	2160	2660	7150	28200	9140	2000	6500	3450	457	435	599
MIN	328	328	447	734	1570	1270	673	457	337	277	277	247
CFSM	.71	.90	.52	2.86	6.28	3.18	.91	1.55	.75	.26	.25	.25
IN.	.82	1.01	.60	3.29	6.54	3.66	1.01	1.79	.83	.30	.29	.28
CAL YR 1989	TOTAL	842432	MEAN	2308	MAX	26700	MIN	269	CFSM	1.88	IN	25.56
WTR YR 1990	TOTAL	673227	MEAN	1844	MAX	28200	MIN	247	CFSM	1.50	IN	20.43

MOBILE RIVER BASIN

02433500 TOMBIGBEE RIVER AT BIGBEE, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.68	3.87	4.55	8.68	8.20	6.84	6.50	5.27	5.48	4.42	4.04	3.88
2	8.65	3.87	4.47	8.15	10.53	12.02	5.95	5.33	5.25	4.29	4.36	3.89
3	8.18	3.87	4.42	8.88	12.78	14.01	5.78	5.58	9.10	4.16	4.38	3.89
4	7.93	3.89	4.37	10.10	15.86	13.05	5.40	5.94	8.85	4.08	4.18	3.88
5	6.07	3.90	4.31	9.90	18.14	13.18	5.55	6.79	6.76	4.06	4.11	3.88
6	5.11	5.04	4.28	10.82	19.17	11.64	5.65	6.10	6.12	4.04	4.07	3.87
7	4.65	5.86	4.31	10.23	15.87	9.82	5.34	5.56	5.88	4.04	4.03	3.86
8	4.40	5.92	4.34	10.23	12.61	9.10	5.74	5.21	5.29	4.03	4.02	3.85
9	4.24	5.75	4.75	9.10	10.76	10.47	5.33	5.33	5.31	4.01	4.01	3.83
10	4.13	5.37	5.18	8.53	14.89	9.32	5.48	4.69	5.24	4.02	4.00	3.78
11	4.06	4.92	5.22	7.53	16.04	9.09	5.70	5.02	5.23	4.15	4.00	3.78
12	4.54	4.83	4.90	6.47	17.16	8.44	5.46	5.30	5.13	4.24	3.96	3.96
13	4.22	4.57	4.72	5.73	14.88	7.44	5.28	5.32	4.71	4.46	3.96	4.64
14	3.97	4.92	4.56	5.29	12.13	7.12	5.26	5.42	4.63	4.10	3.98	4.27
15	3.94	5.37	4.47	5.15	11.19	9.18	5.33	5.31	5.11	4.04	3.98	4.16
16	3.92	7.33	4.40	4.92	12.90	12.19	5.32	4.91	5.76	3.98	3.97	4.00
17	3.94	6.60	4.35	4.99	11.15	11.00	5.61	4.84	5.04	3.95	3.98	3.82
18	3.95	6.73	4.29	6.41	10.86	11.52	5.32	4.87	4.76	4.01	3.98	3.77
19	4.12	6.65	4.33	6.55	10.08	10.88	5.41	4.48	4.77	3.95	3.97	3.82
20	4.08	6.53	4.39	9.78	8.73	9.42	5.47	6.56	4.57	3.94	3.97	3.90
21	4.01	5.92	4.58	13.49	7.19	7.94	6.26	11.82	4.57	4.01	3.95	4.22
22	3.99	5.89	---	11.21	8.73	6.97	6.19	11.78	5.29	4.11	4.02	4.28
23	3.97	6.24	---	11.94	8.90	6.62	6.82	9.82	4.87	4.32	4.02	3.83
24	3.96	6.22	---	12.01	8.10	6.45	6.25	9.13	4.57	4.08	3.97	3.73
25	3.94	6.01	---	11.04	7.64	6.09	6.15	8.27	4.60	4.02	3.95	3.79
26	3.93	5.90	---	8.84	6.77	5.98	5.63	7.81	4.29	4.00	3.94	3.80
27	3.90	5.39	4.22	7.75	6.29	5.96	5.38	7.90	4.22	4.06	3.92	3.82
28	3.89	5.08	4.30	6.76	6.25	5.94	5.39	9.24	4.18	3.94	3.92	3.82
29	3.89	4.85	4.33	8.53	---	5.90	4.97	7.23	4.16	3.94	3.90	3.80
30	3.88	4.70	4.58	8.57	---	6.29	5.36	6.73	4.14	4.02	3.88	3.82
31	3.87	---	8.48	8.44	---	6.63	---	5.74	---	4.04	3.88	---
MEAN	4.77	5.40	---	8.58	11.56	8.92	5.64	6.56	5.26	4.08	4.01	3.92
MAX	10.68	7.33	---	13.49	19.17	14.01	6.82	11.82	9.10	4.46	4.38	4.64
MIN	3.87	3.87	---	4.92	6.25	5.90	4.97	4.48	4.14	3.94	3.88	3.73

02433500 TOMBIGBEE RIVER AT BIGBEE, MS--Continued

WATER-QUALITY RECORDS

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

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
DEC				
05...	1315	503	18	24
JAN				
25...	1315	6070	168	2750
MAR				
12...	1400	3370	75	682
APR				
11...	1655	872	27	64
MAY				
23...	1800	4160	152	1710
JUL				
10...	1335	301	39	32
AUG				
16...	1040	294	40	32

MOBILE RIVER BASIN

02435020 TOWN CREEK AT EASON BOULEVARD AT TUPELO, MS

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

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

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

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

GAGE.--Water-stage recorder. Datum of gage is 230.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Oct. 1 Nov. 5, Dec. 11-30, Feb. 25 - 28, March 13 - 14, July 5 - 11, 14 - 16, 25 - 30, Aug. 7 - 18, 24 - 30, Sept. 1 - 9, 15 - 18, 23 - 30.. Records fair except for estimated daily discharges, which are poor. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--20 years, 414 ft³/s, 24.13 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,100 ft³/s, May 19, 1983, gage height, 27.39 ft, minimum, .42 ft³/s, Aug. 25, 1988.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 4	0230	11,600	24.19	Feb. 10	1100	*13,000	*24.63

Minimum daily discharge, 2.3 ft³/s, Sept. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	606	19	103	561	347	874	215	152	117	9.0	36	3.0
2	233	19	101	336	2450	3890	189	150	110	8.5	57	2.9
3	140	19	96	275	4770	1950	161	142	1730	10	17	2.8
4	100	18	87	827	6460	1200	149	139	309	9.2	5.5	2.7
5	72	44	80	495	1990	827	139	127	132	8.6	5.8	2.6
6	61	560	76	1150	1740	639	163	107	97	8.2	7.7	2.5
7	54	354	74	516	1500	1060	197	115	77	7.9	5.6	2.4
8	44	289	73	652	1300	1100	153	124	64	7.6	4.7	2.4
9	40	232	179	342	2300	1690	138	121	61	7.5	4.1	2.3
10	37	146	167	267	8970	965	146	102	149	8.4	4.0	8.3
11	35	120	130	222	2680	697	188	86	65	8.8	3.8	8.4
12	33	104	98	188	1690	579	143	110	45	16	3.6	12
13	30	94	86	155	1320	489	128	330	34	24	3.4	17
14	28	158	79	144	1020	396	125	173	84	16	3.3	5.3
15	26	604	72	141	873	1780	133	127	369	9.6	3.1	2.6
16	23	869	68	139	1860	1010	125	109	110	14	3.0	2.5
17	30	301	65	139	1090	529	126	98	63	23	2.9	2.5
18	33	229	63	467	742	405	184	85	51	7.1	2.9	2.4
19	31	190	64	295	583	331	130	78	46	5.5	7.3	39
20	30	166	65	3720	543	285	116	421	36	5.5	20	104
21	29	150	59	1340	541	258	189	1920	31	5.5	23	7.4
22	27	357	58	521	1690	241	234	680	39	5.7	11	3.8
23	26	503	56	400	1410	223	165	374	24	6.1	5.9	3.0
24	23	239	55	535	880	209	133	297	21	6.8	4.4	2.9
25	23	187	54	493	582	196	116	238	16	5.4	4.1	2.8
26	21	161	52	342	431	199	102	188	14	4.4	4.0	2.7
27	21	147	51	296	384	192	102	240	13	4.0	3.8	2.6
28	21	138	49	289	350	181	407	226	12	3.7	3.7	2.5
29	20	122	47	1300	---	222	239	152	11	3.7	3.5	2.4
30	19	107	84	544	---	309	185	128	10	6.8	3.4	2.4
31	19	---	2450	403	---	283	---	122	---	72	3.1	---
TOTAL	1935	6646	4841	17494	50496	23209	4920	7461	3940	338.5	270.6	260.1
MEAN	62.4	222	156	564	1803	749	164	241	131	10.9	8.73	8.67
MAX	606	869	2450	3720	8970	3890	407	1920	1730	72	57	104
MIN	19	18	47	139	347	181	102	78	10	3.7	2.9	2.3
CFSM	.27	.95	.67	2.42	7.74	3.22	.70	1.03	.56	.05	.04	.04
IN.	.31	1.06	.77	2.79	8.06	3.71	.79	1.19	.63	.05	.04	.04

CAL YR 1989	TOTAL	149954.0	MEAN	411	MAX	8680	MIN	12	CFSM	1.76	IN	23.94
WTR YR 1990	TOTAL	121811.2	MEAN	334	MAX	8970	MIN	2.3	CFSM	1.43	IN	19.45

02435020 TOWN CREEK AT EASON BOULEVARD AT TUPELO, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		---	3.24	5.41	3.81	---	3.48	3.19	2.99	2.54	2.75	---
2		---	3.23	4.36	11.32	15.44	3.36	3.18	2.95	2.53	2.82	---
3		---	3.20	4.04	14.80	10.54	3.23	3.14	9.11	2.56	2.62	---
4		---	3.15	6.47	20.95	7.94	3.18	3.13	4.11	2.54	2.47	---
5		---	3.12	5.11	10.60	6.48	3.13	3.07	3.27	---	2.48	---
6		5.21	3.09	7.74	9.74	5.59	3.24	2.98	3.10	---	2.52	---
7		4.43	3.08	5.22	8.97	6.97	3.39	3.01	2.99	---	---	---
8		4.13	3.08	5.81	8.30	7.21	3.20	3.06	2.92	---	---	---
9		3.84	3.59	4.39	9.88	9.60	3.13	3.05	2.91	---	---	---
10		3.44	3.54	4.00	23.29	7.05	3.16	2.95	3.34	---	---	2.53
11		3.32	---	3.79	12.84	5.87	3.35	2.87	2.93	---	---	2.53
12		3.24	---	3.63	9.59	5.29	3.15	2.99	2.83	2.61	---	2.56
13		3.19	---	3.49	8.36	---	3.08	4.04	2.77	2.71	---	2.68
14		3.49	---	3.43	7.30	---	3.07	3.29	3.01	---	---	2.62
15		5.16	---	3.42	6.69	9.21	3.11	3.07	4.37	---	---	---
16		6.61	---	3.41	10.06	7.15	3.07	2.99	3.16	---	---	---
17		4.18	---	3.41	7.54	5.03	3.07	2.93	2.92	2.66	---	---
18		3.82	---	4.98	6.08	4.42	3.33	2.86	2.86	2.50	---	---
19		3.64	---	4.14	5.31	4.05	3.09	2.83	2.83	2.47	2.51	2.69
20		3.53	---	14.34	5.10	3.82	3.02	4.47	2.78	2.47	2.60	3.26
21		3.46	---	8.55	5.09	3.67	3.37	10.24	2.75	2.47	2.67	2.66
22		4.39	---	5.17	9.28	3.59	3.57	5.68	2.80	2.47	2.56	2.57
23		5.10	---	4.48	8.68	3.51	3.25	4.23	2.71	2.49	2.48	---
24		3.87	---	5.10	6.71	3.45	3.10	3.84	2.68	2.50	---	---
25		3.63	---	4.88	---	3.39	3.02	3.54	2.64	---	---	---
26		3.51	---	4.00	---	3.40	2.95	3.31	2.61	---	---	---
27		3.45	---	3.68	---	3.37	2.95	3.57	2.59	---	---	---
28		3.41	---	3.61	---	3.32	4.43	3.50	2.58	---	---	---
29		3.33	---	7.94	---	3.51	3.59	3.15	2.57	---	---	---
30		3.26	---	4.91	---	3.94	3.34	3.04	2.56	---	---	---
31		---	11.50	4.14	---	3.81	---	3.01	---	2.87	---	---
MEAN		---	---	5.07	---	---	3.25	3.56	3.15	---	---	---
MAX		---	---	14.34	---	---	4.43	10.24	9.11	---	---	---
MIN		---	---	3.41	---	---	2.95	2.83	2.56	---	---	---

MOBILE RIVER BASIN

02436500 TOWN CREEK NEAR NETTLETON, MS

LOCATION.--Lat 34°03'32", long 88°37'40", in NW4 sec.12, T.12 S., R.6 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160102, on right bank at downstream side of bridge on U.S. Highway 45, 1.5 mi downstream from Chiwapa Creek, 2.1 mi south of Nettleton, and 9.2 mi upstream from mouth.

DRAINAGE AREA.--620 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for October 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 National Geodetic Vertical Datum 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: Jan. 27-28, Feb. 25-28, Mar. 13-14, 20-30 Apr. 1-9, June 11-14, 17-19 Records good except for estimated daily discharges, which are poor. Telemeter at station.

AVERAGE DISCHARGE.--51 years, 960 ft³/s, 21.03 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 151,000 ft³/s, Mar. 22, 1955, gage height, 33.88 ft, minimum, 0.8 ft³/s, Sept. 14, 15, 1942.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 20	0945	19,600	24.74	Mar. 2	1330	18,700	25.59
Feb. 4	0130	20,900	26.49	June 3	1030	16,800	22.71
Feb. 10	1115	*23,800	*27.34				

Minimum daily discharge, 8 ft³/s, Sept. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3170	68	206	2380	1060	2410	900	352	420	62	256	10
2	780	66	200	1160	10400	13700	700	355	358	60	167	9.7
3	450	63	186	854	10600	7860	540	327	6620	97	181	9.4
4	317	60	167	3870	18300	2440	460	404	2340	61	66	9.6
5	243	60	188	1910	7800	1690	410	479	951	52	40	9.5
6	202	1120	185	5220	3740	1320	360	280	607	50	51	9.5
7	173	1460	182	2210	2850	1130	350	245	457	46	32	8.9
8	148	1010	200	3210	2220	3860	330	243	366	43	26	9.1
9	131	677	775	1380	3840	5330	320	232	309	36	23	8.0
10	134	341	532	914	20800	2110	316	230	423	42	23	23
11	115	251	346	721	12500	1570	397	189	280	86	21	28
12	105	206	286	600	3890	1110	321	201	250	39	20	33
13	94	183	247	499	2820	900	279	1230	230	62	20	141
14	90	228	220	463	2230	840	276	479	250	46	28	55
15	87	832	215	452	3430	6770	349	303	822	35	25	33
16	84	2530	206	441	7430	5440	289	249	358	29	23	29
17	106	698	215	452	2180	1960	281	222	260	28	23	19
18	116	472	201	2450	1490	1290	490	192	210	133	22	18
19	99	374	215	1310	1310	998	318	168	170	35	19	17
20	93	323	226	10500	1030	800	271	406	156	27	18	265
21	84	290	195	8540	950	700	842	5940	527	25	79	72
22	81	733	161	2460	6210	640	1030	2970	708	26	39	38
23	76	1660	156	1620	2470	580	482	1050	199	63	22	27
24	73	554	156	2470	1320	540	394	716	131	75	19	21
25	70	401	156	2440	900	510	281	524	108	37	18	20
26	68	340	157	1270	800	480	241	388	98	29	16	19
27	66	307	160	900	700	460	220	4520	88	25	15	19
28	63	273	158	800	600	450	1610	1600	81	23	14	18
29	60	228	142	5310	---	440	720	502	76	21	13	16
30	61	205	232	2270	---	1150	448	355	71	29	12	15
31	66	---	6880	1290	---	1110	---	379	---	90	11	---
TOTAL	7505	16013	13751	70366	133870	70588	14225	25730	17924	1512	1342	1009.7
MEAN	242	534	444	2270	4781	2277	474	830	597	48.8	43.3	33.7
MAX	3170	2530	6880	10500	20800	13700	1610	5940	6620	133	256	265
MIN	60	60	142	441	600	440	220	168	71	21	11	8.0
CFSM	.39	.86	.72	3.66	7.71	3.67	.77	1.34	.96	.08	.07	.05
IN.	.45	.96	.83	4.22	8.03	4.24	.85	1.54	1.08	.09	.08	.06

CAL YR 1989	TOTAL	510539.0	MEAN	1399	MAX	19600	MIN	37	CFSM	2.26	IN	30.63
WTR YR 1990	TOTAL	373835.7	MEAN	1024	MAX	20800	MIN	8.0	CFSM	1.65	IN	22.43

02436500 TOWN CREEK NEAR NETTLETON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1962-65, 1968, 1974 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

		SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
NOV 29...	1010	280	7.9	9.5	20	21	19.5	10.6	92	2.5
MAR 13...	1540	227	7.6	20.5	20	25	12.5	8.7	98	1.5
MAY 30...	1505	260	7.8	25.0	10	26	14.5	8.4	103	2.3
AUG 08...	0740	339	7.8	22.0	10	2.0	9.50	7.8	90	0.6
DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SUS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
NOV 29...	K1900	41	2.2	96	21	12	0.20	156	36	0.490
MAR 13...	1100	37	1.7	85	14	5.9	0.10	134	102	0.280
MAY 30...	K5000	43	2.0	99	16	10	0.20	158	69	0.710
AUG 08...	240	45	3.1	109	20	24	0.20	197	10	0.760
DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	PHENOLS TOTAL (UG/L) (32730)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
NOV 29...	0.080	0.46	0.200	0.130	1400	80	<1	--	0.600	<0.100
MAR 13...	0.060	0.35	0.130	0.030	4300	80	<1	--	1.90	0.200
MAY 30...	<0.010	<0.20	0.190	0.090	2100	110	<1	--	1.80	0.400
AUG 08...	0.030	0.44	0.240	0.180	420	70	<1	0.07	7.60	1.70

MOBILE RIVER BASIN

02436500 TOWN CREEK NEAR NETTLETON, MS--Continued

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JAN					
26...	1000	1270	250	857	--
FEB					
15...	1615	4610	1310	16300	--
15...	2320	4380	819	9690	--
16...	0110	6640	1460	26200	--
16...	0300	10200	2120	58400	--
16...	0615	11100	1510	45300	68
16...	0950	9940	1320	35400	--
16...	1150	8560	1100	25400	--
MAR					
09...	1340	4820	540	7030	--
APR					
09...	1345	1050	53	150	--
MAY					
20...	2150	1310	1150	4070	--
21...	0001	1840	1630	8100	--
21...	0630	3900	1650	17400	83
21...	1315	5900	1520	24200	--
21...	1840	9690	1140	29800	69
21...	1950	9510	1290	33100	--
21...	2100	9220	1220	30400	--
JUL					
10...	1615	39	43	4.5	--
AUG					
15...	1315	27	32	2.3	--

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)	SED. SUSP. FALL DIAM. % FINER THAN .250 MM (70344)	SED. SUSP. FALL DIAM. % FINER THAN .500 MM (70345)
FEB										
16...	0615	30	33	38	46	59	67	83	100	--
MAY										
21...	0630	48	54	62	72	81	88	92	99	100
21...	1840	33	36	41	49	58	68	76	98	100

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)
FEB									
16...	0617	25.0	1	2	34	99	100	--	--
16...	0619	50.0	1	2	25	89	100	--	--
16...	0621	75.0	1	1	7	36	98	--	--
MAY									
21...	1842	25.0	1	2	32	98	100	--	--
21...	1844	50.0	1	2	16	77	98	100	--
21...	1846	75.0	<1	2	14	57	92	96	99

02439400 BUTTAHATCHEE RIVER NEAR ABERDEEN, MS

LOCATION.--Lat 33°47'24", long 88°18'53", in NW4 sec.3, T.15 S., R.17 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160103, near right bank on downstream side of bridge on county highway, 10.0 mi downstream from Sipsey Creek, 13.7 mi southeast of Aberdeen, and 28.6 mi upstream from the mouth.

DRAINAGE AREA.--798 mi².

WATER DISCHARGE RECORDS

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

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

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

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

AVERAGE DISCHARGE.--24 years, 1,418 ft³/s, 24.13 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,000 ft³/s, Mar. 17, 1973, gage height, 23.48 ft (corrected), observed at crest, minimum discharge, 89 ft³/s, Aug. 31 to Sept. 1, 1988.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Oct. 03	1100	11,800	16.25	Feb. 18	1200	*13,500	16.58
Jan. 07	1700	6,720	14.52	Mar. 05	0400	7,390	14.81
Jan. 23	0700	8,920	15.41	Mar. 18	0800	9,440	15.60
Feb. 06	0800	9,730	15.70	May 22	2400	11,300	16.16
Feb. 12	1900	7,830	14.99				

Minimum discharge, 125 ft³/s, Sept. 3, gage height, 3.5 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2330	379	850	1840	4780	1710	1880	901	1150	370	239	130
2	4030	382	795	2490	3640	2310	1930	877	1000	350	302	129
3	10100	381	758	2740	3140	3390	1650	1030	1420	334	279	125
4	7810	377	720	2330	4480	5630	1380	934	3390	386	400	138
5	4320	372	683	2630	7090	6880	1230	888	4810	391	363	152
6	1940	428	674	3940	9250	4570	1190	1190	3250	332	292	151
7	1140	872	676	6230	6800	3030	1230	1130	1510	312	257	147
8	911	1420	768	6150	4260	2390	1300	908	1080	298	234	146
9	785	1140	1140	5470	3090	2230	1160	805	904	286	218	144
10	702	923	1680	4750	3220	2470	1060	810	815	308	207	135
11	642	744	1660	4070	4160	2610	1060	842	775	402	203	134
12	605	637	1330	2980	6800	2410	1080	768	749	376	198	163
13	566	579	1200	2110	6540	2040	994	906	649	404	192	185
14	537	571	1100	1620	4100	1760	930	1210	589	540	187	317
15	516	746	980	1380	3540	1890	946	1090	588	523	181	380
16	499	1550	913	1250	4590	3160	1020	849	640	415	178	284
17	486	2430	853	1180	7780	6050	974	731	658	348	177	233
18	492	3590	787	1860	12500	9060	962	663	642	317	169	203
19	506	3800	809	2480	9010	7480	1030	605	600	303	162	183
20	480	1950	898	3350	6010	5120	948	590	530	298	158	184
21	468	1210	911	4750	4260	3490	884	1930	489	291	154	273
22	457	1130	800	6270	3830	2670	1050	7280	603	283	163	299
23	446	1550	729	8520	3940	2190	1320	10400	1550	288	159	246
24	437	2090	726	6320	4270	1880	1130	8000	1260	384	153	228
25	430	2110	710	4360	3960	1670	959	4770	767	380	156	207
26	418	1550	673	3730	2850	1550	863	2650	592	325	157	191
27	414	1260	694	3690	2200	1550	798	2280	507	287	151	184
28	397	1150	717	3080	1870	1530	785	3180	457	263	146	178
29	389	1060	723	2780	---	1420	1030	3330	422	252	141	174
30	384	954	753	3000	---	1440	1110	2750	392	244	137	170
31	379	---	1090	3970	---	1610	---	1610	---	236	134	---
TOTAL	44016	37335	27800	111320	141960	97190	33883	65907	32788	10526	6247	5813
MEAN	1420	1245	897	3591	5070	3135	1129	2126	1093	340	202	194
MAX	10100	3800	1680	8520	12500	9060	1930	10400	4810	540	400	380
MIN	379	372	673	1180	1870	1420	785	590	392	236	134	125
CFSM	1.78	1.56	1.12	4.50	6.35	3.93	1.42	2.66	1.37	.43	.25	.24
IN.	2.05	1.74	1.30	5.19	6.62	4.53	1.58	3.07	1.53	.49	.29	.27

CAL YR 1989	TOTAL	655740	MEAN	1797	MAX	18300	MIN	289	CFSM	2.25	IN	30.57
WTR YR 1990	TOTAL	614785	MEAN	1684	MAX	12500	MIN	125	CFSM	2.11	IN	28.66

MOBILE RIVER BASIN

02439400 BUTTAHATCHEE RIVER NEAR ABERDEEN, MS--Continued

WATER-QUALITY RECORDS

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

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
DEC 06...	1115	676	8	15
JAN 26...	1520	3690	26	259
MAR 06...	1520	4100	19	210
APR 09...	1450	1140	22	68
MAY 23...	1125	10400	51	1430
AUG 14...	1135	186	32	16

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

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

DRAINAGE AREA.--4,440 mi².

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 National Geodetic Vertical Datum 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).

REMARKS.--No estimated daily discharges. Records fair except those below 1,000 ft³/s, which are poor. Reservoir is formed by earth fill dam with concrete spillway with five 60 ft wide tainter gates with sill elevation of 138.0 ft above NGVD of 1929 and 110 ft by 600 ft lock with maximum lift of 27 ft at normal pool elevation of 163.0 ft above NGVD of 1929. Minimum flow structure with manually operated gates and maximum discharge of about 300 ft³/s at normal pool. Storage began Jan. 16, 1981, dam completed Jan. 29, 1981. Capacity 59,500 acre-ft at normal pool. Regulation for maintenance of navigational pool only. Beginning April 1, 1981, daily discharge computed from relation between discharge, head, gate openings, lockages, and minimum flow structure.

AVERAGE DISCHARGE.--75 years, 6,610 ft³/s, 20.22 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 194,000 ft³/s, Mar. 19, 1973, gage height, 42.22 ft, site and datum then in use, minimum daily, 120 ft³/s, Sept. 25, 1984.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1892, the greatest since at least 1867, reached an elevation of 173.0 ft above NGVD of 1929 at site 3.93 mi downstream, discharge 278,000 ft³/s estimated by U. S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 63,400 ft³/s, Feb. 4, gage height, 14.47 ft, minimum daily discharge, 295 ft³/s, Aug. 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23600	727	3250	22100	15700	7520	7800	3880	4800	1910	1170	486
2	17500	1480	2280	15100	20700	33900	5790	3490	4520	1720	1850	393
3	13800	1550	3010	15600	37100	53300	5530	3920	14200	1670	1180	537
4	16600	1240	2130	24000	57800	37800	4110	4560	21200	1170	1110	681
5	12100	1420	2320	24200	58700	33000	4250	7210	12700	1370	1210	368
6	7200	5210	2390	27700	58700	25800	4190	4810	9120	1110	1370	425
7	4430	10700	3470	25300	50100	16100	4540	3990	6810	1710	987	538
8	3420	10600	4620	30200	28500	12300	4350	3430	4480	1010	470	661
9	2580	10100	8990	23200	19400	22200	4220	2490	3930	911	702	465
10	2070	7140	7990	18900	41000	16900	4090	2770	3760	1090	800	464
11	2130	4390	7660	15400	52400	17100	3970	2770	2880	960	297	623
12	2200	3240	5970	10700	45000	14200	4330	3560	2730	1680	1270	384
13	1990	2300	4550	7820	38500	9230	3510	7070	2600	2090	426	1320
14	2000	4020	4010	5650	26300	7610	3420	5440	2990	1080	555	931
15	1760	5590	4390	5380	27100	15800	4060	4210	3700	1420	1080	939
16	1590	13600	2800	4480	43100	37800	3820	3470	4560	1110	516	808
17	2270	8090	3020	4780	32000	23600	4110	2400	3270	1390	902	798
18	1900	7670	2790	18300	26200	21900	3980	2350	2760	638	596	757
19	1590	6940	3880	16400	29700	21700	3570	1820	2610	1240	608	476
20	1570	7410	3590	29100	21300	16300	3570	4470	2050	880	933	948
21	1930	5310	3870	51900	14500	12600	4050	18000	1990	1060	458	938
22	1700	8560	2900	34200	23900	9090	5450	22800	3740	1260	905	1220
23	1420	17200	1610	29100	24700	7000	6070	16800	3080	1620	336	838
24	2220	10700	1740	30100	18300	6900	4830	20100	3210	1820	540	575
25	1410	9630	1640	29900	17200	5260	4620	14000	2770	1320	835	524
26	1820	6970	2530	18500	11900	5600	3310	9990	1570	996	574	513
27	1290	4700	2630	15700	8700	4900	3420	17200	1610	1240	295	745
28	1560	4810	2990	11400	6880	5340	4840	26200	1770	1170	587	701
29	1290	3400	2910	21800	---	4850	4910	10900	934	1270	632	534
30	1440	3310	4210	22000	---	6650	4900	7750	1130	879	443	740
31	1800	---	23700	16600	---	7490	---	6480	---	1190	483	---
TOTAL	140180	188007	133840	625510	855380	519740	133610	248330	137474	39984	24120	20330
MEAN	4522	6267	4317	20180	30550	16770	4454	8011	4582	1290	778	678
MAX	23600	17200	23700	51900	58700	53300	7800	26200	21200	2090	1850	1320
MIN	1290	727	1610	4480	6880	4850	3310	1820	934	638	295	368
CFSM	1.02	1.41	.97	4.55	6.88	3.78	1.00	1.80	1.03	.29	.18	.15
IN.	1.17	1.58	1.12	5.24	7.17	4.35	1.12	2.08	1.15	.34	.20	.17
CAL YR 1989	TOTAL	3840560	MEAN	10520	MAX	107000	MIN	386	CFSM	2.37	IN	32.18
WTR YR 1990	TOTAL	3066505	MEAN	8401	MAX	58700	MIN	295	CFSM	1.89	IN	25.69

02441500 TOMBIGBEE RIVER AT COLUMBUS, MS

LOCATION.--Lat 33°29'21", long 88°25'57", in NE¼ sec.20, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, on left bank at Columbus, 1,200 ft downstream from bridge on old U.S. Highway 45E and 82, 1,800 ft upstream from Gulf, Mobile and Ohio Railroad bridge, 2.3 mi upstream from Luxapallila Creek, 4.1 mi downstream from 02441390 Tombigbee River at Columbus Lock and Dam, near Columbus, 6.7 mi downstream from Tibbee Creek, and at mile 319.7.

DRAINAGE AREA.--4,463 mi².

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 National Geodetic Vertical Datum 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 National Geodetic Vertical Datum of 1929.

REMARKS.--Stage affected since Dec. 27, 1979, by Aliceville Lock and Dam 32.0 mi downstream, normal pool elevation 136.0 ft above National Geodetic Vertical Datum of 1929 and since Jan. 16, 1981, by Columbus Lock and Dam, 4.1 mi upstream.

AVERAGE DISCHARGE.--See 02441390 Tombigbee River at Columbus Lock and Dam, near Columbus.

EXTREMES FOR PERIOD OF RECORD.--See 02441390.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1892, the greatest since at least 1857, reached an elevation of 173.0 ft above National Geodetic Vertical of 1929 at site 1,100 ft upstream (corresponding stage at gage about 44 ft) discharge 268,000 ft³/s estimated by U. S. Army Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--See 02441390 for discharge records. Maximum gage height, 22.06 ft, Feb. 6, minimum daily, 7.28 ft, Aug.8.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	7.33	7.74	13.71	10.83	8.53	8.58	7.69	7.85	7.48	7.37	7.37
2	---	7.40	7.51	10.99	11.35	14.49	8.22	7.69	7.88	7.45	7.44	7.36
3	---	7.42	7.49	10.71	16.05	20.20	8.03	7.71	9.48	7.44	7.43	7.37
4	---	7.43	7.51	12.99	20.41	17.67	7.88	7.87	12.58	7.42	7.42	7.41
5	---	7.51	7.59	14.81	21.84	15.98	7.86	8.19	9.68	7.45	7.45	7.41
6	8.41	7.93	7.55	15.10	21.90	14.21	7.76	7.83	8.99	7.40	7.39	7.39
7	7.97	9.10	7.66	14.95	20.38	11.16	7.83	7.68	8.37	7.42	7.34	7.43
8	7.94	9.13	7.81	15.86	15.63	9.79	7.90	7.70	7.89	7.38	7.28	7.45
9	7.95	9.20	8.64	14.37	12.01	12.15	7.84	7.60	7.75	7.43	7.36	7.36
10	7.84	8.36	8.77	12.64	17.27	11.25	7.82	7.51	7.67	7.42	7.36	7.38
11	7.80	7.83	8.60	11.12	21.06	10.89	7.66	7.61	7.50	7.41	7.34	7.41
12	7.70	7.60	8.15	9.59	20.21	10.27	7.76	7.73	7.62	7.48	7.44	7.42
13	7.60	7.53	7.91	8.75	18.07	9.02	7.68	8.32	7.55	7.45	7.35	7.43
14	7.49	7.77	7.82	8.23	14.88	8.69	7.69	8.06	7.61	7.39	7.39	7.40
15	7.43	8.02	7.80	8.07	14.24	10.35	7.68	7.84	7.65	7.44	7.42	7.39
16	7.48	9.57	7.55	7.94	19.10	17.63	7.71	7.75	7.77	7.41	7.36	7.36
17	7.46	8.49	7.60	7.96	19.24	16.11	7.76	7.66	7.61	7.43	7.39	7.38
18	7.37	8.46	7.56	10.84	17.16	15.29	7.74	7.55	7.53	7.36	7.38	7.38
19	7.39	8.23	7.68	10.79	16.52	14.18	7.75	7.51	7.56	7.44	7.42	7.43
20	7.38	8.31	7.67	13.20	13.64	11.58	7.78	7.80	7.45	7.45	7.43	7.47
21	7.46	7.92	7.65	20.07	10.88	9.97	7.76	10.06	7.50	7.43	7.39	7.39
22	7.45	8.73	7.45	17.94	13.20	9.16	8.18	12.74	7.82	7.44	7.45	7.39
23	7.41	11.39	7.35	15.79	14.34	8.55	8.11	11.17	7.65	7.44	7.31	7.31
24	7.49	9.96	7.51	15.39	11.94	8.39	7.91	11.68	7.68	7.42	7.33	7.32
25	7.44	9.48	7.47	15.95	11.19	8.12	7.87	10.30	7.61	7.44	7.44	7.41
26	7.47	8.53	7.54	12.82	9.86	8.06	7.67	9.19	7.49	7.42	7.42	7.46
27	7.42	8.02	7.53	11.23	8.96	7.95	7.71	9.99	7.40	7.44	7.40	7.39
28	7.41	7.90	7.65	9.93	8.42	8.03	7.81	13.68	7.52	7.43	7.40	7.44
29	7.39	7.65	7.67	11.60	---	8.02	7.87	9.57	7.36	7.40	7.43	7.48
30	7.41	7.64	7.81	13.36	---	8.33	7.87	8.51	7.41	7.38	7.39	7.42
31	7.43	---	11.91	11.41	---	8.63	---	8.20	---	7.42	7.34	---
MEAN	---	8.33	7.88	12.52	15.38	11.38	7.86	8.72	7.98	7.43	7.39	7.40
MAX	---	11.39	11.91	20.07	21.90	20.20	8.58	13.68	12.58	7.48	7.45	7.48
MIN	---	7.33	7.35	7.94	8.42	7.95	7.66	7.51	7.36	7.36	7.28	7.31

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS

LOCATION.--Lat 33°30'50", long 88°23'44", in NW4SW4 sec.11, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160105, on right bank at Columbus Water Works pumping plant, 175 ft upstream from bridge on county highway (formerly State Highway 50), 0.6 mi upstream from Magby Creek, 1.4 mi upstream from U. S. Highway 82 and 6.2 mi upstream from mouth.

DRAINAGE AREA.--715 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--September 1928 to September 1930, October 1974 to current year.

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

REMARKS.--No estimated daily discharges. Records good. U.S. Army Corp of Engineers telemeter at station.

AVERAGE DISCHARGE.--18 years, 1,156 ft³/s, 21.96 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,400 ft³/s, Apr. 14, 1979, gage height, 32.35 ft, minimum, since October 1974, 20 ft³/s, Aug. 19, 1988, gage height, 6.67 ft.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 12	0130	9,060	20.54	Mar. 17	2200	10,100	21.54
Feb. 17	2330	*12,500	*23.63				

Minimum discharge, 78 ft³/s, Sept. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3060	194	760	3380	3150	1430	1620	788	842	269	156	80
2	4530	193	687	3970	2580	2760	1520	683	689	247	155	81
3	4250	194	629	3010	2670	4010	1300	608	762	233	157	84
4	2370	196	586	3270	4890	4570	1130	639	1330	285	171	90
5	1600	196	549	4710	6700	3660	1020	796	1870	389	182	92
6	1020	273	523	6180	6420	2720	984	704	1440	393	172	88
7	676	713	526	5230	4250	2040	1070	649	1230	323	156	90
8	516	1120	742	5370	2790	1720	1100	580	910	262	144	87
9	422	1180	1110	5190	2290	2110	1050	537	651	227	134	88
10	366	1010	1440	4340	4850	2540	980	566	538	214	127	94
11	327	891	1460	3140	7850	2220	1000	663	510	220	123	90
12	300	677	1370	2360	8180	1870	1010	694	599	269	120	95
13	280	528	1340	1830	4960	1630	963	1010	486	369	116	97
14	270	463	1250	1460	3090	1430	888	1210	398	447	112	111
15	260	526	1090	1250	3030	1750	877	1150	355	508	110	175
16	254	620	931	1130	6710	5190	866	923	355	450	108	214
17	256	776	813	1060	11700	9070	861	735	374	364	106	191
18	251	884	735	1390	11500	9110	931	581	384	300	104	152
19	261	745	763	2080	6930	5730	956	489	367	264	101	130
20	261	615	863	3130	4300	3610	918	439	339	242	99	118
21	252	533	900	5030	3220	2560	849	713	373	228	99	110
22	246	764	842	7440	3350	2030	832	2430	788	214	97	113
23	241	2250	762	5810	3520	1730	847	3440	1170	208	97	117
24	238	3500	685	4040	3270	1530	856	2540	1440	224	111	115
25	235	2690	612	4070	2590	1370	793	1960	1130	288	106	111
26	224	1730	577	4360	2100	1270	708	1330	1030	337	98	106
27	215	1450	572	3570	1760	1270	633	1110	746	284	97	103
28	210	1150	622	2640	1540	1270	616	1630	456	227	93	101
29	205	956	656	2910	---	1230	698	1760	354	199	90	100
30	200	849	718	3590	---	1290	858	1370	302	182	87	99
31	195	---	2130	4040	---	1480	---	1040	---	167	83	---
TOTAL	23991	27866	27243	110980	130190	86200	28734	33767	22218	8833	3711	3322
MEAN	774	929	879	3580	4650	2781	958	1089	741	285	120	111
MAX	4530	3500	2130	7440	11700	9110	1620	3440	1870	508	182	214
MIN	195	193	523	1060	1540	1230	616	439	302	167	83	80
CFSM	1.08	1.30	1.23	5.01	6.50	3.89	1.34	1.52	1.04	.40	.17	.16
IN.	1.25	1.45	1.42	5.77	6.77	4.48	1.49	1.76	1.16	.46	.19	.17

CAL YR 1989	TOTAL	512706	MEAN	1405	MAX	16600	MIN	130	CFSM	1.97	IN	26.68
WTR YR 1990	TOTAL	507055	MEAN	1389	MAX	11700	MIN	80	CFSM	1.94	IN	26.38

MOBILE RIVER BASIN

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
DEC 01...	0820	777	31	6.4	9.0	50	9.9	30.5	10.3	--	1.0
MAR 15...	1330	1440	33	6.4	18.5	60	15	42.5	8.2	88	0.7
JUN 05...	1610	1940	31	6.1	22.0	100	36	11.5	7.5	86	2.4
AUG 09...	1250	132	36	6.7	25.5	40	6.3	34.0	7.3	90	0.1

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
DEC 01...	K240	1.9	0.80	3.3	3.4	2.9	0.10	22	8	0.070
MAR 15...	660	2.4	0.90	6.2	2.9	2.1	<0.05	31	24	0.080
JUN 05...	K960	2.0	0.90	5.1	2.3	1.9	<0.10	31	55	0.170
AUG 09...	90	2.7	1.0	8.2	2.3	2.4	<0.10	28	8	0.140

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	PHENOLS TOTAL (UG/L) (32730)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
DEC 01...	0.010	0.22	0.040	0.020	1700	150	<1	--	<0.100	<0.100
MAR 15...	0.020	0.23	0.030	<0.020	1900	220	<1	--	0.600	<0.100
JUN 05...	0.030	0.55	0.050	<0.020	3800	400	<1	--	0.400	<0.100
AUG 09...	0.010	0.31	0.040	0.030	1300	180	<1	0.06	0.200	<0.100

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
DEC 07...	1530	526	15	21
JAN 27...	0800	3790	22	225
MAR 07...	1130	2030	18	99
APR 12...	1000	1010	16	44
MAY 24...	1000	2540	50	343
JUL 12...	1240	268	13	9.4

02448000 NOXUBEE RIVER AT MACON, MS

LOCATION.--Lat 33°06'08", long 88°33'40", in NE¼ sec.4, T.14 N., R.17 E., Choctaw Meridian, Noxubee County, Hydrologic Unit 03160108, on left bank at downstream side of bridge on U.S. Highway 45 at Macon, 0.2 mi upstream from Cedar Creek, 1.0 mi downstream from Illinois Central and Gulf Railroad bridge, 1.5 mi downstream from Horse Hunters Creek, and 6.2 mi upstream from Running Water Creek.

DRAINAGE AREA.--768 mi².

WATER-DISCHARGE RECORDS

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 National Geodetic Vertical Datum of 1929 (levels by U. S. Army Corps of Engineers). Prior to May 31, 1932, nonrecording gage at site 40 ft downstream at different datum. Sept. 21, 1938 to Aug. 10, 1939, nonrecording gage at present site and datum.

REMARKS.--Estimated daily discharges: Nov. 22-27, Dec. 4. Records good except for period of estimated record which are poor. Telemeter at station.

AVERAGE DISCHARGE.--56 years, 1,057 ft³/s, 18.69 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 125,000 ft³/s, Apr. 13, 1979, gage height, 38.97 ft from floodmark, minimum, 22 ft³/s, Aug. 25, 26, 1943, gage height, 4.89 ft.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 06	0700	11,600	28.28	Feb. 16	2300	*13,500	*28.84
Jan. 26	0900	8,010	26.57	Mar. 06	1800	6,400	24.68
Feb. 04	1000	5,870	23.77	Mar. 17	1800	7,240	25.81

Minimum discharge, 61 ft³/s, Sept. 5, 6-10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3700	72	962	3320	3000	1310	1140	541	221	227	113	64
2	2590	70	712	3130	2640	3010	2390	397	277	205	161	64
3	2130	69	567	2870	3140	4490	1620	314	696	210	138	64
4	2360	68	475	4670	5640	4650	900	274	1970	268	118	64
5	2610	68	413	7190	5760	4780	716	253	1540	229	118	62
6	2120	307	370	11000	5020	6170	573	381	1300	212	110	61
7	637	2060	461	10100	3860	5990	557	435	1300	196	112	61
8	283	3590	2110	10500	3610	4780	520	408	864	169	103	61
9	218	4420	2990	10300	3670	2760	451	318	467	156	99	61
10	179	3600	2560	8450	4660	1330	425	322	343	148	92	62
11	161	2290	2140	7240	5300	1290	433	295	276	179	90	72
12	146	1840	2340	6160	5530	1370	437	263	232	179	89	69
13	130	1360	2370	4890	4710	1180	386	551	209	169	86	72
14	121	841	1870	3350	4760	929	377	839	194	196	85	75
15	111	586	1330	1490	5850	1350	377	642	186	176	106	73
16	106	539	1020	913	11200	5500	355	597	183	152	89	75
17	104	462	777	762	11500	6930	355	412	475	149	84	75
18	111	399	613	2290	8350	6610	380	307	358	153	85	77
19	104	350	811	3910	7680	5010	373	253	239	173	77	75
20	102	323	1120	4570	7110	3760	353	227	272	137	75	73
21	106	299	986	6150	6160	2960	339	242	251	128	73	72
22	104	850	850	6780	5980	1810	333	609	323	126	84	71
23	93	2750	638	6770	6320	979	334	481	572	131	76	70
24	88	3250	439	6500	6000	762	324	434	378	174	74	75
25	85	2700	437	7610	4460	640	308	423	449	170	73	72
26	81	2150	438	7920	3220	562	289	305	389	141	73	74
27	78	1800	389	6960	2800	521	276	249	315	130	77	74
28	76	2510	369	5290	2150	489	334	228	274	124	75	71
29	74	2900	385	4440	---	467	472	226	236	117	72	68
30	73	1530	511	4260	---	778	464	211	243	111	69	67
31	71	---	2070	3790	---	1020	---	209	---	105	65	---
TOTAL	18952	44053	33523	173575	150080	84187	16591	11646	15032	5140	2841	2074
MEAN	611	1468	1081	5599	5360	2716	553	376	501	166	91.6	69.1
MAX	3700	4420	2990	11000	11500	6930	2390	839	1970	268	161	77
MIN	71	68	369	762	2150	467	276	209	183	105	65	61
CFSM	.80	1.91	1.41	7.29	6.98	3.54	.72	.49	.65	.22	.12	.09
IN.	.92	2.13	1.62	8.41	7.27	4.08	.80	.56	.73	.25	.14	.10
CAL YR 1989	TOTAL	657059	MEAN	1800	MAX	14400	MIN	68	CFSM	2.34	IN	31.83
WTR YR 1990	TOTAL	557694	MEAN	1528	MAX	11500	MIN	61	CFSM	1.99	IN	27.01

MOBILE RIVER BASIN

02448000 NOXUBEE RIVER AT MACON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1967, 1972-75, 1981 to current year.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
JAN					
22...	1550	6950	62	1160	--
MAR					
02...	1215	3200	345	2980	--
02...	1755	4110	243	2700	97
03...	0720	4400	134	1590	98
03...	1425	4520	126	1540	--
05...	1105	4640	74	927	90
APR					
09...	0650	458	50	62	--
JUN					
04...	1200	2020	397	2170	98
JUL					
13...	1030	162	71	31	--
AUG					
20...	1230	74	46	9.2	--

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
MAR								
03...	0720	60	74	81	89	95	98	100

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)
MAR							
03...	0724	50.0	1	13	33	67	94

02448500 NOXUBEE RIVER NEAR GEIGER, AL

LOCATION.--Lat 32°55'57", long 88°17'52", in NE¼ sec. 33, T. 23 N., R. 3 W., Sumter County, Hydrologic Unit 03160108, near right bank on downstream side of bridge on State Highway 17, 0.1 mi upstream from Woodward Creek, 2.1 mi upstream from St. Louis-San Francisco Railroad bridge, 5 mi north of Geiger, and at mile 16.9.

DRAINAGE AREA.--1,097 mi².

PERIOD OF RECORD.--March 1939 to September 1940, July 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 National Geodetic Vertical Datum 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. Water-stage recorder for Tombigbee River at Gainesville is used as an auxiliary gage for this station.

REMARKS.--Estimated daily discharges: Apr. 14-29, May 3-13, 18-21, 24, 25, June 27 to Aug. 7. Records good except those for period of estimated record, which are poor. Discharge includes flow of old river channel at bridge on State Highway 17, 1 mi south of gage. Several observations of specific conductance and water temperature were made during the year and are published under MISCELLANEOUS WATER-QUALITY SITES in this report.

AVERAGE DISCHARGE.--46 years (water years 1940, 1945-65, 1967-90), 1,579 ft³/s, 19.55 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 156,000 ft³/s, Apr. 14, 1979, gage height, 48.58 ft; minimum, 13 ft³/s, July 7, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 23,300 ft³/s, Feb. 18, gage height, 39.08 ft; minimum, 65 ft/s, Sept. 8, 9, 11, 12.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5920	129	1820	3830	4350	2080	1490	542	228	e280	e135	77
2	5070	126	1030	3650	3100	2280	4290	569	238	e260	e160	74
3	2900	126	800	3120	3980	4960	3870	e520	336	e250	e200	71
4	2010	124	664	3510	8270	5240	1960	e420	1590	e290	e170	70
5	2120	121	566	6460	8950	5120	1190	e360	1880	e290	e150	72
6	2280	226	496	9580	8430	4910	967	e430	1460	e270	e140	71
7	1770	2600	492	10400	7170	5190	832	e520	1280	e240	e135	69
8	833	4020	2410	12200	5500	5430	793	e480	1240	e220	129	66
9	434	5960	4450	12700	4790	5020	720	e450	885	e200	126	66
10	335	5550	4180	12600	6550	3040	631	e400	521	e180	117	67
11	287	4040	2910	11800	7380	1480	638	e370	366	e175	111	66
12	259	2300	3030	10600	6670	1390	635	e530	299	e200	106	66
13	243	1670	3260	9300	6170	1390	603	e1010	256	e220	105	78
14	220	1300	2490	7560	5670	1230	e570	1150	230	e195	103	85
15	208	968	1860	4830	6750	2370	e540	945	216	e230	103	83
16	198	1090	1390	1710	15900	9780	e510	727	215	e200	108	83
17	258	900	1120	1080	20600	12000	e530	639	359	e175	120	80
18	368	655	929	2170	22800	11000	e540	e520	599	e170	105	80
19	262	528	1180	5160	19400	9670	e550	e400	826	e190	100	80
20	210	450	1680	6330	15000	8080	e540	e350	319	e220	96	82
21	189	404	1460	9190	12200	5780	e500	e450	274	e180	92	81
22	185	864	1180	9530	10800	3350	e480	572	275	e160	91	80
23	186	4400	996	8840	10200	1880	e460	670	348	e150	90	80
24	178	4980	950	8120	9160	1170	e450	e570	673	e180	100	76
25	163	4430	780	9890	7820	949	e440	e500	451	e190	92	75
26	155	3790	640	10300	6220	818	e420	451	431	e180	88	79
27	149	3120	577	9580	4020	736	e400	339	e420	e170	86	76
28	144	3050	526	8570	2790	667	e380	279	e370	e160	87	78
29	139	3260	530	7860	---	684	e500	252	e320	e150	89	78
30	135	3060	868	7110	---	958	552	245	e280	e140	87	75
31	131	---	2160	5800	---	1430	---	233	---	e130	82	---
TOTAL	27939	64241	47424	233380	250640	120082	26981	15893	17185	6245	3503	2264
MEAN	901	2141	1530	7528	8951	3874	899	513	573	201	113	75.5
MAX	5920	5960	4450	12700	22800	12000	4290	1150	1880	290	200	85
MIN	131	121	492	1080	2790	667	380	233	215	130	82	66
CFSM	.82	1.95	1.39	6.86	8.16	3.53	.82	.47	.52	.18	.10	.07
IN.	.95	2.18	1.61	7.91	8.50	4.07	.91	.54	.58	.21	.12	.08

CAL YR 1989 TOTAL 858555 MEAN 2352 MAX 11500 MIN 118 CFSM 2.14 IN. 29.11
WTR YR 1990 TOTAL 815777 MEAN 2235 MAX 22800 MIN 66 CFSM 2.04 IN. 27.66

e Estimated

PASCAGOULA RIVER BASIN

02472000 LEAF RIVER NEAR COLLINS, MS

LOCATION.--Lat 31°42'25", long 89°24'25", in NE¼ sec.33, T.9 N., R.14 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, on right bank at downstream side of bridge on U.S. Highway 84, 2.0 mi downstream from Oakohay Creek, 10.6 mi upstream from Big Creek, 9.5 mi northeast of Collins, and at mile 114.5.

DRAINAGE AREA.--743 mi².

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

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

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

REMARKS.--No estimated daily discharges. Records fair. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--52 years, 1,103 ft³/s, 20.16 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,200 ft³/s, Apr. 14, 1974, gage height, 32.6 ft, from flood-mark, minimum, 55 ft³/s, Aug. 28-30, 1957.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 27	1300	20,100	24.30	Mar. 18	2000	9,270	18.09
Feb. 17	1200	*46,700	*31.44	May 13	1400	13,700	21.09
Feb. 22	1700	8,970	17.86				

Minimum discharge, 129 ft³/s, Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	811	139	292	3000	2380	1570	1580	1540	865	262	194	153
2	723	139	257	2280	1750	3320	1280	850	1060	254	184	151
3	542	139	235	1400	1440	5120	1370	639	1300	274	184	151
4	343	137	216	1170	3550	5650	1490	559	1640	274	182	148
5	261	136	204	2250	4060	4810	976	526	1230	264	173	151
6	221	136	199	5410	4290	2770	800	496	1190	258	164	159
7	199	150	538	5540	2800	2050	734	465	746	246	160	154
8	184	732	5440	6360	2120	1510	674	441	558	238	157	147
9	173	1210	4580	5790	3230	1320	632	785	484	233	152	144
10	163	1710	4760	4880	6130	1240	656	1490	436	274	150	153
11	158	1680	3780	3030	7220	1160	911	1300	412	256	148	148
12	155	670	2850	1930	7100	1100	909	1770	403	247	145	149
13	153	416	1940	1260	3930	1030	837	12800	371	267	143	164
14	152	327	1580	985	2340	985	974	11200	352	292	141	162
15	151	308	1140	851	2740	1160	1700	7880	338	284	140	173
16	148	351	851	775	20900	6070	952	4560	333	251	139	171
17	271	289	706	723	42400	7130	841	2620	474	234	138	163
18	842	271	666	1750	35000	8630	720	1740	617	236	136	154
19	407	265	1270	3610	20400	6580	613	1020	930	232	133	148
20	329	236	1600	4580	7580	3110	569	836	853	238	133	144
21	254	219	1610	6300	4560	2080	544	807	758	261	194	142
22	217	222	1120	5700	7560	1410	561	952	507	231	187	142
23	199	432	778	5300	7140	1190	910	848	473	217	378	144
24	185	388	572	7140	6520	1080	1430	753	493	274	280	145
25	175	486	548	17000	5070	987	1240	640	433	266	245	140
26	170	401	522	19200	3130	916	800	569	372	240	197	136
27	163	324	515	19800	2400	859	645	522	327	216	173	135
28	152	319	513	14600	1800	818	1550	506	300	205	164	132
29	149	368	587	4730	---	825	2240	495	284	193	159	132
30	145	333	1370	3700	---	1350	2270	481	272	186	158	130
31	142	---	2650	3160	---	1710	---	465	---	185	157	---
TOTAL	8337	12933	43889	164204	219540	79540	31408	60555	18811	7588	5388	4465
MEAN	269	431	1416	5297	7841	2566	1047	1953	627	245	174	149
MAX	842	1710	5440	19800	42400	8630	2270	12800	1640	292	378	173
MIN	142	136	199	723	1440	818	544	441	272	185	133	130
CFSM	.36	.58	1.91	7.13	10.6	3.45	1.41	2.63	.84	.33	.23	.20
IN.	.42	.65	2.20	8.22	10.99	3.98	1.57	3.03	.94	.38	.27	.22
CAL YR 1989	TOTAL	451582	MEAN	1237	MAX	10000	MIN	136	CFSM	1.67	IN	22.61
WTR YR 1990	TOTAL	656658	MEAN	1799	MAX	42400	MIN	130	CFSM	2.42	IN	32.88

02472500 BOUIE CREEK NEAR HATTIESBURG, MS
(Formerly published as Bowie Creek near Hattiesburg)

LOCATION.--Lat 31°25'32", long 89°24'53", in NW4SW4 sec.4, T.5 N., R.14 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170004, on left bank 25 ft downstream from upstream bridge of dual bridges on U.S. Highway 49, 1.0 mi upstream from Okatoma Creek, 2.2 mi southwest of Lux, 10.2 mi northwest of Hattiesburg, and 1.0 mi upstream from mouth.

DRAINAGE AREA.--304 mi².

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

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

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

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

AVERAGE DISCHARGE.--52 years, 454 ft³/s, 20.20 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 45,500 ft³/s, Apr. 14, 1974, gage height, 28.18 ft, from floodmark, minimum, 83 ft³/s, Aug. 29, 1957, minimum gage height, 2.37 ft, Sept. 16, 17, 1972.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 26	1200	13,000	22.11	Feb. 22	1430	4,070	13.30
Feb. 17	1900	10,700	21.05	May 14	0130	*33,500	*26.53

Minimum discharge, 130 ft³/s, Oct 10-14,15,31, Nov. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	308	130	220	1120	767	529	538	434	1310	214	192	158
2	225	133	195	773	650	1190	479	356	2260	209	219	156
3	178	134	185	530	649	1550	522	327	1460	207	379	155
4	158	133	176	598	1620	1280	415	305	653	208	262	155
5	148	133	171	1140	1220	975	374	297	548	231	217	155
6	142	134	173	1450	903	666	356	292	468	208	198	154
7	139	149	375	1740	809	552	347	282	380	203	192	152
8	137	541	2640	1760	702	507	334	273	342	208	192	150
9	134	633	2580	1270	905	483	325	415	314	572	184	150
10	131	404	1250	822	1440	469	332	642	313	400	180	186
11	130	251	626	617	1490	452	511	498	408	281	177	165
12	130	194	1450	450	1290	435	486	517	371	250	175	167
13	130	173	1300	380	1020	422	379	16800	299	280	173	169
14	131	182	758	337	676	412	362	23200	279	366	172	168
15	132	357	475	317	721	509	979	9900	268	336	170	173
16	136	457	391	305	2530	2610	1100	4640	269	261	170	173
17	158	318	330	296	8070	3080	522	1700	328	247	168	165
18	169	237	307	701	7100	1710	392	878	367	252	166	157
19	185	199	441	1110	3180	958	346	680	418	248	166	152
20	182	183	587	949	1830	666	327	592	402	239	174	149
21	152	175	445	1190	1150	546	318	686	295	273	166	153
22	145	186	346	964	3370	492	321	1020	258	267	168	152
23	142	447	287	710	2490	462	638	801	278	236	189	151
24	140	466	249	1430	1510	441	579	549	320	230	228	146
25	138	289	238	8080	1020	423	403	448	299	224	201	145
26	136	230	242	12100	738	405	340	400	249	217	184	144
27	134	209	251	8540	614	390	331	375	235	209	177	145
28	133	230	255	3180	558	382	1250	379	227	202	168	144
29	132	274	303	1420	---	379	1190	389	222	198	164	142
30	132	279	794	1360	---	688	675	358	217	196	161	141
31	131	---	1130	1000	---	685	---	350	---	193	159	---
TOTAL	4698	7860	19170	56639	49022	24748	15471	68783	14057	7865	5891	4672
MEAN	152	262	618	1827	1751	798	516	2219	469	254	190	156
MAX	308	633	2640	12100	8070	3080	1250	23200	2260	572	379	186
MIN	130	130	171	296	558	379	318	273	217	193	159	141
CFSM	.50	.86	2.03	6.01	5.76	2.63	1.70	7.30	1.54	.84	.63	.51
IN.	.57	.96	2.35	6.93	6.00	3.03	1.89	8.42	1.72	.96	.72	.57
CAL YR 1989	TOTAL	159875	MEAN 438	MAX 6340	MIN 98	CFSM 1.44	IN 19.56					
WTR YR 1990	TOTAL	278876	MEAN 764	MAX 23200	MIN 130	CFSM 2.51	IN 34.13					

PASCAGOULA RIVER BASIN

02473000 LEAF RIVER AT HATTIESBURG, MS

LOCATION.--Lat 31°20'33", long 89°16'46", in SW4NW4 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 Bowie Creek, 3,200 ft upstream from New Orleans and Northeastern Railroad bridge, and at mile 71.8.

DRAINAGE AREA.--1,748 mi².

PERIOD OF RECORD.--September 1938 to current year. Daily mean gage height, 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. Datum of gage is 118.23 ft above National Geodetic Vertical Datum 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 fair. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--52 years, 2,725 ft³/s, 21.17 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 121,000 ft³/s, Apr. 15, 1974, gage height, 34.03 ft, minimum, 318 ft³/s, Oct. 22, 1963.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 9	0700	13,700	13.51	Feb. 19	0500	54,900	27.09
Jan. 8	0515	12,900	13.01	Mar. 17	1100	18,100	16.02
Jan. 27	1215	42,000	24.80	May 14	1700	*56,300	*27.31
Feb. 12	1715	13,900	13.64				

Minimum discharge, 588 ft³/s, Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2290	712	1140	7460	7660	4640	4840	4470	5060	980	856	702
2	2080	717	985	6180	6180	5760	4050	3100	10600	947	964	696
3	1660	723	898	4470	5120	10100	3730	2250	6840	917	1240	693
4	1300	722	843	3250	8370	10400	3490	1930	4640	917	1060	682
5	1020	720	799	5170	9780	10000	3230	1780	4140	975	901	684
6	883	723	784	8020	9060	8240	2620	1700	3460	964	836	680
7	819	755	1200	11800	8780	5720	2340	1650	2910	927	790	683
8	762	1890	9340	12700	6700	4530	2220	1540	2230	920	769	675
9	715	3340	13300	11600	6760	3850	2130	1870	1870	1190	757	667
10	682	3210	10100	9750	10100	3560	2080	3230	1720	1300	739	690
11	665	3230	8370	7870	13200	3420	2670	3710	1860	1110	726	720
12	649	2660	9360	5140	13800	3210	3120	3450	1720	1020	720	715
13	642	1600	8880	3580	12900	3050	2700	29700	1500	1120	717	743
14	638	1780	5510	2730	8560	2910	2470	53100	1360	1360	706	784
15	640	1530	3810	2360	6470	4270	4780	46600	1290	1340	696	771
16	676	1950	2770	2160	12300	13200	5840	31300	1250	1160	693	768
17	966	1680	2220	2020	23600	17900	3640	15400	1280	1020	688	763
18	1450	1280	1930	3140	44300	15900	2670	7100	1780	1010	680	696
19	1900	1090	2150	7080	52600	13600	2300	4920	1910	980	672	661
20	1440	995	3600	8040	39100	11100	2050	3650	2330	974	695	639
21	1150	910	3550	10300	25100	6460	1940	3410	2000	989	690	640
22	984	925	3020	10600	22900	4740	1960	4820	1760	1040	741	641
23	903	1510	2210	9220	19600	3820	2430	4380	1980	957	833	621
24	842	2020	1720	10100	15500	3410	3030	3400	1910	904	1070	602
25	789	1610	1460	26700	12200	3170	3230	2800	1660	985	1060	602
26	759	1430	1440	36000	9220	2960	2760	2430	1390	1020	951	607
27	745	1230	1420	41200	6610	2770	2150	2250	1200	951	819	603
28	737	1150	1430	35600	5450	2640	3670	2550	1090	889	756	603
29	725	1230	1480	26000	---	2580	5700	2300	1030	857	728	596
30	718	1320	2660	19400	---	4180	5360	2020	1040	837	717	594
31	714	---	5150	10600	---	5630	---	1970	---	810	713	---
TOTAL	30943	44642	113529	360240	421920	197720	95200	254780	74810	31370	24983	20221
MEAN	998	1488	3662	11620	15070	6378	3173	8219	2494	1012	806	674
MAX	2290	3340	13300	41200	52600	17900	5840	53100	10600	1360	1240	784
MIN	638	712	784	2020	5120	2580	1940	1540	1030	810	672	594
CFSM	.57	.85	2.10	6.65	8.62	3.65	1.82	4.70	1.43	.58	.46	.39
IN.	.66	.95	2.42	7.67	8.98	4.21	2.03	5.42	1.59	.67	.53	.43
CAL YR 1989	TOTAL	1071113	MEAN	2935	MAX	19500	MIN	627	CFSM	1.68	IN	22.79
WTR YR 1990	TOTAL	1670358	MEAN	4576	MAX	53100	MIN	594	CFSM	2.62	IN	35.55

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.34	1.88	2.97	9.32	9.41	6.56	6.74	6.39	7.12	2.70	2.49	2.21
2	4.08	1.88	2.71	8.31	8.13	7.57	6.00	5.02	11.51	2.65	2.67	2.19
3	3.54	1.90	2.56	6.81	7.20	11.23	5.68	4.06	8.71	2.60	3.12	2.19
4	3.01	1.90	2.47	5.61	9.89	11.40	5.44	3.67	6.82	2.60	2.84	2.17
5	2.58	1.89	2.39	7.44	10.99	11.17	5.17	3.47	6.36	2.70	2.57	2.17
6	2.35	1.90	2.36	9.69	10.49	9.78	4.50	3.37	5.70	2.68	2.45	2.16
7	2.23	1.96	3.00	12.29	10.28	7.50	4.18	3.29	5.12	2.61	2.37	2.17
8	2.13	3.58	10.50	12.90	8.51	6.45	4.03	3.14	4.36	2.60	2.33	2.15
9	2.04	5.35	13.24	12.18	8.56	5.81	3.92	3.59	3.91	3.04	2.31	2.14
10	1.98	5.24	11.23	10.97	11.14	5.52	3.86	5.15	3.73	3.20	2.28	2.18
11	1.95	5.29	10.00	9.62	13.22	5.37	4.55	5.67	3.93	2.93	2.25	2.24
12	1.91	4.68	10.68	7.41	13.55	5.15	5.05	5.38	3.75	2.76	2.24	2.23
13	1.90	3.40	10.34	5.95	13.02	4.98	4.60	20.29	3.46	2.92	2.24	2.28
14	1.89	3.66	7.73	5.05	10.02	4.83	4.32	26.79	3.26	3.30	2.21	2.36
15	1.90	3.35	6.18	4.62	8.22	6.13	6.61	25.64	3.17	3.27	2.19	2.34
16	1.95	3.95	5.09	4.37	12.51	13.03	7.61	21.73	3.12	2.99	2.19	2.33
17	2.38	3.61	4.45	4.21	18.67	15.87	5.58	14.35	3.18	2.78	2.18	2.32
18	3.08	3.07	4.09	5.40	25.10	14.77	4.56	8.81	3.88	2.75	2.16	2.19
19	3.69	2.81	4.36	9.01	26.71	13.43	4.12	6.86	4.06	2.70	2.15	2.13
20	3.07	2.67	5.98	9.75	24.01	11.86	3.83	5.67	4.59	2.69	2.19	2.08
21	2.62	2.55	5.93	11.31	19.38	8.18	3.68	5.45	4.18	2.72	2.18	2.09
22	2.36	2.60	5.36	11.53	18.46	6.64	3.71	6.81	3.86	2.80	2.28	2.09
23	2.22	3.50	4.43	10.60	16.77	5.78	4.27	6.42	4.15	2.67	2.45	2.05
24	2.12	4.20	3.81	11.17	14.53	5.36	4.96	5.47	4.06	2.57	2.86	2.01
25	2.02	3.66	3.45	19.98	12.57	5.11	5.17	4.84	3.73	2.71	2.84	2.01
26	1.96	3.41	3.41	23.25	10.55	4.89	4.66	4.43	3.35	2.78	2.65	2.02
27	1.94	3.11	3.39	24.60	8.31	4.68	3.95	4.23	3.07	2.65	2.42	2.01
28	1.92	2.98	3.40	23.11	7.27	4.53	5.54	4.59	2.88	2.55	2.31	2.01
29	1.90	3.11	3.48	19.89	---	4.45	7.49	4.31	2.79	2.49	2.26	2.00
30	1.89	3.25	4.93	16.67	---	6.06	7.19	3.98	2.80	2.46	2.24	1.99
31	1.88	---	7.41	11.52	---	7.43	---	3.92	---	2.41	2.23	---
MEAN	2.41	3.21	5.53	11.11	13.12	7.79	5.03	7.64	4.49	2.75	2.39	2.15
MAX	4.34	5.35	13.24	24.60	26.71	15.87	7.61	26.79	11.51	3.30	3.12	2.36
MIN	1.88	1.88	2.36	4.21	7.20	4.45	3.68	3.14	2.79	2.41	2.15	1.99
CAL YR 1989	MEAN 4.72		MAX 16.80	MIN 1.72								
WTR YR 1990	MEAN 5.60		MAX 26.79	MIN 1.88								

PASCAGOULA RIVER BASIN

02473460 TALLAHALA CREEK AT WALDRUP, MS

LOCATION.--Lat 31°57'58", long 89°06'55", in SW4 sec.31, T.2 N., R.12 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170005, near right bank on downstream side of bridge on State Highway 528, 0.8 mi west of Waldrup, 11.6 mi east of Bay Springs, and 91.0 mi upstream from mouth.

DRAINAGE AREA.--102 mi².

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 290.00 ft above National Geodetic Vertical Datum of 1929. Prior to October 1979, datum of gage at NGVD. October 1979 to September 1980, non-recording gage and crest-stage gage at same site and datum.

REMARKS.--Estimated daily discharges: Oct. 1-6. Records good. Telemeter at station.

AVERAGE DISCHARGE.--11 years, 181 ft³/s, 24.10 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,900 ft³/s, Apr. 13, 1974, gage height, 23.18 ft present datum, minimum, 1.5 ft³/s, July 1, 1988.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 8	2115	3,470	18.81	Feb. 16	0915	*17,700	*22.79
Jan. 25	1130	6,750	20.38	Mar. 17	0200	3,280	18.69
Feb. 11	0015	2,110	17.80	May 13	1345	2,500	18.13

Minimum discharge, 4.8 ft³/s, Aug. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	988	13	57	668	204	138	255	64	37	11	16	6.3
2	307	14	46	259	175	418	201	50	70	11	14	5.9
3	64	13	39	151	204	931	168	44	49	11	10	5.6
4	37	12	33	239	1120	415	106	40	34	11	17	5.5
5	28	12	31	772	1270	184	87	38	30	11	15	5.8
6	22	13	32	1320	413	144	76	35	25	11	9.7	5.7
7	19	15	213	1540	281	126	73	33	23	10	8.2	5.8
8	18	584	2450	1580	249	115	67	30	22	10	7.7	5.7
9	16	1440	2280	1120	924	110	62	91	19	10	7.3	5.3
10	14	814	1020	318	1890	106	64	211	22	11	6.9	5.4
11	13	142	260	169	1780	99	177	76	20	11	6.9	5.3
12	12	73	749	129	856	93	129	146	18	10	6.7	5.6
13	12	53	993	100	245	89	77	2080	16	11	6.4	9.4
14	12	46	341	87	182	85	110	1740	15	12	6.8	12
15	12	56	168	83	523	214	771	596	15	11	6.8	11
16	13	70	124	80	10900	2200	389	128	23	9.8	6.7	8.4
17	60	55	97	77	3200	2530	122	82	58	9.6	7.3	7.1
18	625	42	135	568	1250	1240	82	66	45	12	7.4	6.2
19	179	36	721	1030	859	317	65	51	49	12	6.9	5.6
20	59	32	840	641	703	180	61	45	29	10	7.4	5.5
21	36	30	277	1010	325	140	58	54	20	20	8.5	5.6
22	28	60	150	881	951	123	58	121	17	21	8.1	7.0
23	24	421	110	257	1440	112	281	76	17	15	7.2	6.5
24	21	192	104	1440	645	104	353	47	23	12	6.5	6.3
25	18	96	97	5910	243	97	85	37	19	16	6.1	5.4
26	17	69	91	2720	184	89	60	32	16	16	5.7	5.5
27	16	58	85	1060	160	83	63	30	14	12	5.5	5.6
28	15	119	80	310	147	79	520	30	13	9.6	5.4	5.6
29	14	170	102	377	---	99	285	29	12	9.0	6.1	5.3
30	14	87	405	656	---	402	96	25	11	8.3	6.7	5.2
31	13	---	621	312	---	607	---	24	---	8.1	5.8	---
TOTAL	2726	4837	12751	25864	31323	11669	5001	6151	781	362.4	252.7	191.1
MEAN	87.9	161	411	834	1119	376	167	198	26.0	11.7	8.15	6.37
MAX	988	1440	2450	5910	10900	2530	771	2080	70	21	17	12
MIN	12	12	31	77	147	79	58	24	11	8.1	5.4	5.2
CFSM	.86	1.58	4.03	8.18	11.0	3.69	1.64	1.94	.26	.12	.08	.06
IN.	.99	1.76	4.65	9.43	11.42	4.26	1.82	2.24	.28	.13	.09	.07

CAL YR 1989	TOTAL	84487.2	MEAN 231	MAX 4000	MIN 8.7	CFSM 2.27	IN 30.81
WTR YR 1990	TOTAL	101909.2	MEAN 279	MAX 10900	MIN 5.2	CFSM 2.74	IN 37.17

02473500 TALLAHALA CREEK AT LAUREL, MS

LOCATION.--Lat 31°40'50", long 89°06'55", in NE¼ sec.8, T.8 N., R.11 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170005, on right bank at upstream side of bridge on State Highway 15, 0.5 mi upstream from Illinois Central and Gulf Railroad bridge, 0.5 mi southeast of city limits of Laurel, 13.1 mi upstream from Tallahoma Creek, and 54.0 mi from mouth.

DRAINAGE AREA.--238 mi².

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

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

GAGE.--Water-stage recorder. Datum of gage is 201.37 ft above National Geodetic Vertical Datum of 1929 (Mississippi State Highway Department bench mark). Prior to Dec. 14, 1938, nonrecording gage at same site and datum.

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

AVERAGE DISCHARGE.--52 years, 353 ft³/s, 20.14 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,300 ft³/s, Apr. 14, 1974, gage height, 23.28 ft, from floodmark, minimum, 1.8 ft³/s, Nov. 3, 1952, Oct. 31, and Nov. 1, 1963, minimum gage height, 1.21 ft, Oct. 31 and Nov. 1, 1963.

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 State Highway Department.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 12	0800	3,210	15.36	Feb. 17	2100	*14,800	*21.34
Jan. 26	2000	10,900	20.02	Mar. 19	0001	4,080	16.33

Minimum discharge, 9.8 ft³/s, Sept. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	592	40	270	844	1210	437	872	502	373	37	33	14
2	765	39	194	897	952	588	835	250	455	35	23	16
3	774	38	157	901	634	854	607	179	286	34	24	16
4	508	36	137	799	731	895	404	148	244	31	28	15
5	171	36	124	653	858	888	311	130	239	36	30	14
6	103	39	116	1110	1010	946	246	121	152	33	25	14
7	78	42	262	1300	1170	602	214	113	122	31	26	13
8	65	64	914	1450	1400	373	197	103	107	29	27	13
9	56	137	1110	1720	1460	320	183	159	96	28	22	12
10	50	506	1150	2140	1340	293	190	279	85	27	20	13
11	45	636	1940	2100	1400	278	313	323	83	27	18	13
12	42	750	3150	1830	1600	261	366	393	125	32	17	15
13	39	669	2680	1190	2550	243	333	2510	89	41	16	15
14	37	275	1980	413	2330	229	302	2200	70	39	16	14
15	35	206	1560	308	1910	431	655	2630	61	37	15	12
16	45	214	1290	268	1990	1500	948	2700	56	33	15	14
17	47	235	774	246	7470	1940	992	2220	53	34	14	16
18	44	197	351	599	9300	2680	847	1610	58	32	14	17
19	160	161	391	932	4030	3530	372	445	102	31	14	16
20	420	136	643	1020	2780	2580	239	229	138	35	14	14
21	239	122	769	1160	2240	1980	198	230	107	32	14	13
22	119	126	826	1240	2200	1200	249	315	86	30	18	12
23	87	175	810	1340	2030	441	362	365	141	27	18	11
24	73	454	380	1620	1670	348	241	292	74	33	18	10
25	65	527	231	3270	1620	306	415	199	62	64	17	10
26	59	359	236	7830	1680	275	342	150	61	44	19	9.9
27	53	234	224	8360	1500	250	204	147	56	36	18	11
28	50	199	224	4070	718	236	459	144	49	32	15	11
29	47	263	245	2770	---	228	796	112	44	31	14	11
30	44	301	370	2210	---	573	748	103	42	27	14	10
31	42	---	643	1660	---	846	---	101	---	31	14	---
TOTAL	4954	7216	24151	56250	59783	26551	13440	19402	3716	1049	590	394.9
MEAN	160	241	779	1815	2135	856	448	626	124	33.8	19.0	13.2
MAX	774	750	3150	8360	9300	3530	992	2700	455	64	33	17
MIN	35	36	116	246	634	228	183	101	42	27	14	9.9
CFSM	.67	1.01	3.27	7.63	8.97	3.60	1.88	2.63	.52	.14	.08	.06
IN.	.77	1.13	3.77	8.79	9.34	4.15	2.10	3.03	.58	.16	.09	.06
CAL YR 1989	TOTAL	159256.0	MEAN	436	MAX	4070	MIN	11	CFSM	1.83	IN	24.89
WTR YR 1990	TOTAL	217496.9	MEAN	596	MAX	9300	MIN	9.9	CFSM	2.50	IN	34.00

02474500 TALLAHALA CREEK NEAR RUNNELSTOWN, MS

LOCATION.--Lat 31°19'57", long 89°06'46", in SEMSE4 sec.5, T.4 N., R.11 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, on right bank at downstream side of bridge on county highway between Sunrise and Runnelstown, 3.0 mi south of Runnelstown, and 11.9 mi upstream from mouth.

DRAINAGE AREA.--612 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 104.58 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1971, at datum 5.00 ft higher.

REMARKS.--Estimated daily discharges: Apr. 12-15, Apr. 24-25, May 5-15. Records good except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--49 years, 944 ft³/s, 20.95 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,800 ft³/s, Feb. 24, 1961, gage height, 29.84 ft in gage well, 30.07 ft from outside gage, present datum, minimum, 29 ft³/s, Oct. 31, 1963, minimum gage height, 4.41 ft, Sept. 28, 29, 30, 1990.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since about 1865, 30½ ft in April 1900, flood in December 1919 reached a stage of 26½ ft, and flood in about 1865 reached a stage between 26½ ft and 30½ ft, all from information by local residents, at datum 5.00 ft higher.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 14	1600	5,010	14.87	Mar. 17	0900	5,980	16.45
Jan. 29	1500	14,400	23.73	Mar. 21	0900	5,860	16.29
Feb. 20	1200	*16,900	*24.94	May 15	1100	11,500	22.01

Minimum discharge, 56 ft³/s, Sept. 28, 29, 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	720	117	555	2210	6080	2050	2110	270	955	173	159	78
2	1010	116	524	2130	4070	1510	1960	248	3460	159	357	73
3	1110	119	412	2030	2660	2100	1780	233	3730	147	234	71
4	1060	117	335	1910	2990	2240	1280	248	1610	140	166	79
5	796	112	291	2140	3380	2060	983	381	1120	136	136	86
6	429	109	269	2330	2670	1900	812	415	928	131	124	77
7	280	118	391	3320	2770	1830	678	416	695	129	120	72
8	218	425	3740	3960	2810	1440	601	500	559	132	106	68
9	182	795	3970	3670	2980	994	557	450	460	197	98	66
10	160	560	2810	3480	3660	846	545	675	396	198	97	64
11	150	943	2410	3580	4100	771	760	750	377	157	90	67
12	140	1120	3540	3730	3750	721	876	1100	343	134	86	70
13	130	1100	4630	3540	3430	678	1000	3600	342	153	83	91
14	130	1040	4970	2570	3710	642	800	7400	315	215	80	113
15	126	772	4790	1350	4410	742	680	9900	270	256	78	122
16	130	802	3790	1040	5350	4400	514	9220	244	203	76	92
17	387	642	2510	917	5800	5860	448	7070	247	185	74	79
18	711	525	1720	1380	5860	5360	477	5940	240	167	73	72
19	342	442	1320	2660	11200	4910	498	4550	304	159	71	71
20	241	366	1610	2720	16300	5320	542	1910	575	240	71	72
21	640	306	1770	3530	12800	5800	586	1070	581	239	71	72
22	506	287	1810	3230	10700	5170	550	1410	423	189	79	71
23	305	570	1710	2900	8310	3460	448	1550	383	156	137	66
24	228	665	1480	3120	6730	1530	1100	1260	458	173	173	62
25	192	833	1020	8100	5200	1160	1480	959	395	132	113	59
26	169	905	776	8890	4110	1000	1210	732	298	161	92	58
27	157	693	758	9260	3390	887	809	606	257	180	84	57
28	144	530	730	11400	2960	804	494	999	224	139	80	56
29	135	467	749	14000	---	758	367	716	204	128	78	56
30	127	517	1090	12100	---	1130	306	510	188	111	74	56
31	121	---	1730	8670	---	2250	---	455	---	105	81	---
TOTAL	11176	16113	58210	135867	152180	70323	25251	65543	20581	5124	3441	2196
MEAN	361	537	1878	4383	5435	2268	842	2114	686	165	111	73.2
MAX	1110	1120	4970	14000	16300	5860	2110	9900	3730	256	357	122
MIN	121	109	269	917	2660	642	306	233	188	105	71	56
CFSM	.59	.88	3.07	7.16	8.88	3.71	1.38	3.45	1.12	.27	.18	.12
IN.	.68	.98	3.54	8.26	9.25	4.27	1.53	3.98	1.25	.31	.21	.13
CAL YR 1989	TOTAL	382077	MEAN	1047	MAX	5350	MIN	78	CFSM	1.71	IN	23.22
WTR YR 1990	TOTAL	566005	MEAN	1551	MAX	16300	MIN	56	CFSM	2.53	IN	34.40

02474560 LEAF RIVER NEAR NEW AUGUSTA, MS

LOCATION.--Lat 31°13'17", long 89°03'11", in NE4SW4 sec.13, T.3 N., R.11 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, on left bank at downstream abutment of bridge on State Highway 29, 4.2 mi downstream from Tallahala Creek and 1.4 mi north of courthouse in New Augusta, and at mile 43.6.

DRAINAGE AREA.--2,542 mi².

PERIOD OF RECORD.--December 1983 to current year.

GAGE.--Water-stage recorder and crest-stage. Datum of gage is 72.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Dec. 8 - 10, 12 - 14, Dec. 22 to Jan. 10, Jan. 12 - 15, 26- 30, Feb. 3 - 20, Apr. 23 to May 14, May 18 to June 15. Records fair except for estimated daily discharges, which are poor. Telemeter at station.

AVERAGE DISCHARGE.--6 years, 4109 ft³/s, 21.95 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 74,700 ft³/s, May 15, 1990, gage height, 29.77 ft inside gage, 30.71 ft, from outside gage; minimum 590 ft³/s, July 2, 1988, gage height 1.65 ft.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 74,700 ft³/s, May 15, gage height 29.77 ft inside gage, 30.71 ft, from outside gage, minimum, 744 ft³/s, Sept. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2760	951	2110	10200	21000	6970	6570	6000	3000	1560	1070	883
2	3210	962	1940	8700	13100	6310	5750	4500	8000	1470	1290	880
3	2950	972	1720	7100	8990	9460	5320	3600	12000	1410	1440	866
4	2670	963	1560	6300	9050	11500	4620	2700	11000	1360	1460	854
5	2170	949	1470	7100	12100	11200	4320	2500	7000	1390	1230	866
6	1650	948	1410	10400	11200	10700	3700	2400	6000	1420	1120	856
7	1350	1160	1620	12400	11000	8320	3170	2300	5000	1370	1060	840
8	1220	1430	9400	14000	10300	6390	2920	2200	3000	1360	1020	838
9	1130	3520	13100	14400	9070	5240	2830	2400	2500	1480	999	826
10	1070	3650	14400	13500	11100	4820	2790	3500	2200	1750	976	815
11	1010	3580	11400	12000	14800	4630	3150	4200	3000	1580	961	849
12	999	3850	11000	9700	15500	4460	3860	4600	2700	1480	948	874
13	981	3050	13600	7600	14900	4300	3800	28500	2400	1470	935	913
14	978	4820	11800	5600	13500	4150	3390	67000	2200	1640	924	1070
15	970	4270	9300	4500	13000	4650	4250	67700	1980	1810	911	991
16	997	3930	7370	3890	14600	12700	7330	48400	1910	1650	907	950
17	1270	3120	5550	3580	15800	19400	6380	27300	1870	1570	897	918
18	2170	2410	4390	4890	29000	21000	4950	15100	2020	1460	885	866
19	2220	2020	3930	8400	50000	19800	4120	11800	2340	1420	876	826
20	1960	1790	4880	10100	74000	17200	3470	9000	2680	1370	876	810
21	1850	1630	5570	12100	59500	14100	3060	6000	2770	1560	888	796
22	1730	1590	5200	13300	46500	9870	3020	7000	2500	1470	881	800
23	1400	2380	4300	12600	37200	7320	3540	5000	2630	1400	1070	794
24	1240	2960	3500	11800	28400	4950	4000	4500	2670	1340	1120	764
25	1150	2840	2800	18300	21900	4190	4300	4000	2390	1280	1260	751
26	1080	2680	2600	18600	16800	3810	4000	3400	2080	1320	1160	756
27	1040	2400	2400	31300	11200	3490	3300	3000	1840	1330	1070	760
28	1010	2140	2360	42000	8790	3310	3400	4000	1700	1230	963	754
29	990	2060	2400	48800	---	3240	5500	4200	1630	1160	909	755
30	967	2160	3200	47400	---	3820	6500	3600	1720	1120	902	750
31	957	---	6600	31900	---	6620	---	3200	---	1080	903	---
TOTAL	47149	71185	172880	462460	602300	257920	127310	363600	104730	44310	31911	25271
MEAN	1521	2373	5577	14920	21510	8320	4244	11730	3491	1429	1029	842
MAX	3210	4820	14400	48800	74000	21000	7330	67700	12000	1810	1460	1070
MIN	957	948	1410	3580	8790	3240	2790	2200	1630	1080	876	750
CFSM	.60	.93	2.19	5.87	8.46	3.27	1.67	4.61	1.37	.56	.41	.33
IN.	.69	1.04	2.53	6.77	8.81	3.77	1.86	5.32	1.53	.65	.47	.37

CAL YR 1989 TOTAL 1527006 MEAN 4184 MAX 19200 MIN 875 CFSM 1.65 IN 22.35
WTR YR 1990 TOTAL 2311026 MEAN 6332 MAX 74000 MIN 750 CFSM 2.49 IN 33.82

PASCAGOULA RIVER BASIN

02474560 LEAF RIVER NEAR NEW AUGUSTA, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.49	2.01	3.68	---	19.50	10.07	9.72	---	---	4.09	3.26	2.91
2	5.05	2.02	3.45	---	14.72	9.48	8.97	---	---	3.94	3.65	2.90
3	4.74	2.04	3.14	---	11.73	12.08	8.56	---	---	3.85	3.90	2.87
4	4.38	2.03	2.92	---	11.76	13.60	7.86	---	---	3.77	3.93	2.85
5	3.75	2.00	2.79	---	14.01	13.43	7.56	---	---	3.81	3.55	2.87
6	3.04	2.00	2.70	---	13.36	13.05	6.88	---	---	3.87	3.35	2.85
7	2.62	2.33	3.00	---	13.25	11.19	6.27	---	---	3.78	3.24	2.82
8	2.43	2.72	---	---	12.72	9.55	5.97	---	---	3.77	3.17	2.81
9	2.29	5.39	---	---	11.80	8.48	5.85	---	---	3.96	3.13	2.79
10	2.20	5.54	---	---	13.32	8.07	5.80	---	---	4.38	3.09	2.77
11	2.10	5.46	12.66	13.09	15.81	7.88	6.24	---	---	4.12	3.06	2.84
12	2.08	5.76	---	---	16.30	7.69	7.06	---	---	3.96	3.03	2.89
13	2.05	4.85	---	---	---	7.53	6.99	---	---	3.94	3.01	2.96
14	2.05	6.69	---	---	---	7.38	6.52	---	---	4.22	2.99	3.26
15	2.04	6.19	10.90	---	---	7.88	7.45	29.04	---	4.48	2.96	3.12
16	2.08	5.84	9.21	5.80	---	14.31	10.38	26.69	4.62	4.23	2.95	3.04
17	2.50	4.94	7.50	5.47	---	18.61	9.54	22.30	4.56	4.10	2.93	2.97
18	3.75	4.06	6.33	6.81	---	19.53	8.20	---	4.77	3.94	2.91	2.87
19	3.81	3.55	5.84	10.12	---	18.85	7.33	---	5.23	3.87	2.89	2.79
20	3.48	3.25	6.83	11.57	---	17.37	6.61	---	5.66	3.79	2.89	2.76
21	3.32	3.02	7.52	13.16	28.13	15.39	6.14	---	5.78	4.10	2.92	2.73
22	3.16	2.96	---	14.15	26.47	12.41	6.09	---	5.43	3.95	2.90	2.74
23	2.69	4.02	---	13.58	25.03	10.36	---	---	5.60	3.84	3.25	2.73
24	2.46	4.75	---	12.94	22.92	8.19	---	---	5.65	3.74	3.35	2.66
25	2.31	4.60	---	17.70	20.02	7.41	---	---	5.29	3.62	3.60	2.64
26	2.21	4.41	---	---	17.09	7.00	---	---	4.86	3.70	3.43	2.65
27	2.14	4.05	---	---	13.36	6.64	---	---	4.52	3.71	3.25	2.65
28	2.10	3.71	---	---	11.57	6.43	---	---	4.30	3.55	3.06	2.64
29	2.07	3.61	---	---	---	6.36	---	---	4.21	3.42	2.96	2.64
30	2.03	3.74	---	---	---	6.99	---	---	4.34	3.35	2.94	2.63
31	2.02	---	---	23.89	---	9.76	---	---	---	3.27	2.94	---
MEAN	2.82	3.92	---	---	---	10.74	---	---	---	3.87	3.18	2.82
MAX	5.05	6.69	---	---	---	19.53	---	---	---	4.48	3.93	3.26
MIN	2.02	2.00	---	---	---	6.36	---	---	---	3.27	2.89	2.63

02474600 BOGUE HOMO NEAR RICHTON, MS

LOCATION.--Lat 31°24'12", long 89°01'18", in NE¼NW¼ sec.17, T.5 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, near right bank at downstream side of bridge on county highway, 0.5 mi upstream from Linda Creek, 1.0 mi downstream from Sweetwater Creek, 3.5 mi upstream from State Highway 42, and 6.0 mi northwest of Richton.

DRAINAGE AREA.--344 mi².

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

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

GAGE.--Water-stage recorder. Elevation of gage is 117 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharge: Mar 11 - Apr. 4, May 16 - June 26, June 31 - July 16, 19 - Aug. 15, Sept. 7-30. Records good, except estimated daily discharges, which are poor. Flow slightly regulated by Lake Bogue Homo, 36 mi upstream.

AVERAGE DISCHARGE.--20 years, 557 ft³/s, 22.00 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,900 ft³/s, Dec. 28, 1973, gage height, 27.63 ft from flood-mark, minimum, 6.2 ft³/s, Aug. 1, 2, 4, 5, 1981.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood prior to January 1941, reached a stage of 26½ ft and the flood of Mar. 21, 1943, reached a stage of 25.7 ft at site 3.5 mi downstream at different datum (from information by U. S. Army Corps of Engineers). A discharge of 4.7 ft³/s was measured Oct. 16, 1963.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 26	0800	8,830	19.10	May 14	0545	*14,100	*24.18
Feb. 23	0530	8,020	17.81				

Minimum recorded, 17 ft³/s, Aug. 28-30, Sept. 1-5, but may have been less during period of no gage height record.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	663	36	273	1450	1490	868	1230	337	250	56	37	17
2	693	32	290	1130	1170	765	1180	304	1400	60	80	17
3	792	29	215	1040	1000	996	1080	200	1500	59	78	17
4	906	31	156	1060	965	898	900	174	1000	52	45	17
5	913	34	139	1270	1310	865	599	164	450	52	37	17
6	607	37	103	1340	1460	951	318	162	360	50	33	18
7	181	46	237	1550	1640	932	231	162	280	50	30	11
8	91	109	2490	1950	1540	645	198	162	225	49	28	11
9	67	672	3160	2030	1310	426	186	162	195	49	25	10
10	59	606	2620	1990	1620	348	169	162	175	48	21	10
11	49	477	2520	1850	1960	410	237	162	160	48	20	10
12	41	469	2790	1510	1700	380	366	297	150	48	18	11
13	30	474	3000	1090	1570	360	396	7310	140	48	16	13
14	26	323	2520	630	1530	355	460	12500	130	48	15	15
15	24	256	2040	413	1670	450	693	8470	110	50	13	19
16	29	461	1910	332	2480	1500	798	6000	104	58	22	20
17	53	458	1730	303	2880	3100	774	3500	102	173	21	20
18	213	390	1300	1090	2530	2900	823	2500	106	161	21	19
19	260	332	835	1710	3960	2650	887	2000	125	72	21	17
20	351	257	867	1520	4540	3000	713	1200	190	67	21	13
21	252	181	778	2430	3100	3050	314	440	270	60	20	12
22	153	155	705	2800	6100	2700	205	500	250	54	20	11
23	93	258	695	2200	7330	2200	271	610	200	47	25	11
24	68	459	595	2140	6030	1200	406	520	190	43	24	10
25	56	443	353	6020	4190	660	481	410	215	41	23	10
26	48	436	247	8380	2780	540	325	300	170	39	21	9.6
27	42	426	261	7320	2000	470	205	270	123	39	20	9.0
28	41	307	264	5830	1400	430	188	370	69	38	19	8.7
29	41	244	296	3610	---	420	173	320	60	37	17	8.5
30	37	230	555	2820	---	800	239	210	58	35	20	8.3
31	36	---	1230	2100	---	1000	---	205	---	35	19	---
TOTAL	6915	8668	35174	70908	71255	36269	15045	50083	8757	1766	830	400.1
MEAN	223	289	1135	2287	2545	1170	502	1616	292	57.0	26.8	13.3
MAX	913	672	3160	8380	7330	3100	1230	12500	1500	173	80	20
MIN	24	29	103	303	965	348	169	162	58	35	13	8.3
CFSM	.65	.84	3.30	6.65	7.40	3.40	1.46	4.70	.85	.17	.08	.04
IN.	.75	.94	3.80	7.67	7.71	3.92	1.63	5.42	.95	.19	.09	.04

CAL YR 1989	TOTAL	197289.0	MEAN 541	MAX 4080	MIN 14	CFSM 1.57	IN 21.33
WTR YR 1990	TOTAL	306070.1	MEAN 839	MAX 12500	MIN 8.3	CFSM 2.44	IN 33.10

PASCAGOULA RIVER BASIN

02475000 LEAF RIVER NEAR McLAIN, MS

LOCATION.--Lat 31°06'10", long 88°48'30", in SE¼ 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 Oktibbee Creek, and 14.6 mi upstream from confluence with Chickasawhay River.

DRAINAGE AREA.--3,495 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 42.15 ft above National Geodetic Vertical Datum of 1929. Prior to Sept. 8, 1940, nonrecording gage at same site and datum.

REMARKS.--Estimated daily discharges: July 2-10,12,13,17-26. Records good except for estimated daily discharges, which are poor. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--51 years, 5,487 ft³/s, 21.32 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 128,000 ft³/s, Feb. 26, 1961, gage height, 31.64 ft, minimum, 478 ft³/s, Oct. 22, 1963, minimum gage height, 1.78 ft, Oct. 28, 29, Nov. 1, 2, 1968.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 73,300 ft³/s, May 17, gage height, 26.39 ft, minimum, 823 ft³/s, Sept. 25,26,27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3000	1110	2700	13400	41700	15400	11000	7360	4650	2050	1300	1010
2	3740	1120	2590	12700	31200	11500	9720	6170	11200	1930	1340	997
3	3760	1140	2380	11000	21200	12300	9880	4510	15500	1780	1600	984
4	3570	1120	2130	9020	14300	14900	8690	3330	15300	1670	1800	963
5	3300	1100	1960	9470	14200	15900	7240	2840	10400	1640	1670	955
6	2830	1100	1860	11900	15700	15600	5830	2550	8080	1610	1430	961
7	2160	1260	2060	14100	15600	14500	4740	2380	6480	1600	1310	932
8	1640	2310	9130	18100	15400	11400	4140	2260	5230	1650	1230	922
9	1440	4120	16700	19800	14700	8870	3820	2460	4240	1750	1180	914
10	1330	4790	18800	19600	14900	7500	3610	3360	3750	1880	1150	898
11	1240	4290	18600	18200	18100	6840	3960	4150	4710	2110	1120	909
12	1180	4470	16500	16100	19800	6450	4710	4550	4000	1940	1100	983
13	1150	4170	17400	12800	20400	6070	5160	16000	3270	1850	1080	995
14	1130	5050	18600	9560	20400	5740	4710	33800	2920	2090	1060	1300
15	1120	8020	16800	6810	21100	7320	5300	50400	2720	2230	1030	1240
16	1160	7270	13100	5190	19900	20900	8390	68200	2500	2180	1020	1130
17	1730	5180	9930	4600	20700	28800	9590	71000	2600	1950	1000	1060
18	2010	3770	7630	6440	23700	30100	7450	59700	2440	1880	985	1020
19	2590	3050	7170	12500	37600	31300	5970	42200	2720	1850	967	953
20	2590	2620	7340	14300	55100	31000	5120	25600	3050	1800	958	918
21	2310	2320	7560	19600	67500	27900	4140	12900	3500	1820	973	891
22	2250	2130	7130	20400	70700	23600	3450	8100	3170	1850	969	883
23	1910	3350	6350	19600	64800	18200	3670	8860	3040	1800	1120	880
24	1600	3890	5410	18600	55800	12200	4170	7700	3250	1750	1350	862
25	1430	3920	4580	23200	46600	7990	4780	6090	3140	1700	1450	831
26	1320	3610	3790	34000	37900	6450	4710	5090	2900	1640	1420	829
27	1250	3360	3460	43100	28600	5600	4190	4370	2500	1640	1320	830
28	1200	3010	3350	50100	21400	5110	3600	5390	2230	1570	1180	838
29	1170	2940	3320	54300	---	4810	4740	7750	2130	1460	1060	842
30	1150	2710	3860	54400	---	5710	7210	5670	2070	1380	1020	845
31	1120	---	8950	49400	---	10300	---	4300	---	1330	1050	---
TOTAL	59380	98300	251140	632290	849000	430260	173690	489040	143690	55380	37242	28575
MEAN	1915	3277	8101	20400	30320	13880	5790	15780	4790	1786	1201	953
MAX	3760	8020	18800	54400	70700	31300	11000	71000	15500	2230	1800	1300
MIN	1120	1100	1860	4600	14200	4810	3450	2260	2070	1330	958	829
CFSM	.55	.94	2.32	5.84	8.68	3.97	1.66	4.52	1.37	.51	.34	.27
IN.	.63	1.05	2.67	6.73	9.04	4.58	1.85	5.21	1.53	.59	.40	.30

CAL YR 1989 TOTAL 2124037 MEAN 5819 MAX 23600 MIN 993 CFSM 1.67 IN 22.61
WTR YR 1990 TOTAL 3247987 MEAN 8899 MAX 71000 MIN 829 CFSM 2.55 IN 34.57

02475500 CHUNKY RIVER NEAR CHUNKY, MS

LOCATION.--Lat 32°19'35", long 88°54'35", in SE4SW4 sec.30, T.6 N., R.14 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, on right bank at downstream side of bridge on U.S. Highway 80, 2,500 ft upstream from Illinois Central and Gulf Railroad bridge, 1.2 mi east of Chunky, 3.2 mi upstream from Tallahatta Creek, and 5.5 mi downstream from Concobona Creek.

DRAINAGE AREA.--369 mi².

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

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

GAGE.--Water-stage recorder. Datum of gage is 269.00 ft above National Geodetic Vertical Datum of 1929. Prior to Mar. 24, 1939, nonrecording gage at same site and datum.

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

AVERAGE DISCHARGE.--52 years, 499 ft³/s, 18.36 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,900 ft³/s, Mar. 4, 1979, gage height, 26.64 ft, minimum, 1.6 ft³/s Sept. 28-30, 1954.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 22	1200	6200	13.96	Feb. 16	1700	*27400	*25.12
Jan. 26	1200	10900	19.34	Mar. 17	1900	6900	14.84

Minimum discharge, 12 ft³/s, Sept. 30, gage height, 2.08 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1390	89	267	864	1010	713	825	333	193	60	33	18
2	759	89	244	604	837	1350	1200	262	1050	57	46	18
3	326	86	228	471	1140	2330	1110	226	946	54	39	17
4	211	84	211	681	2350	2400	658	207	508	55	35	15
5	154	84	199	1930	2990	1470	524	194	478	53	35	15
6	125	86	200	2390	2920	840	453	179	298	49	34	14
7	107	341	454	2730	1550	717	435	165	218	47	28	14
8	98	1490	2220	3040	1020	646	403	154	180	46	25	14
9	89	2470	2580	3370	1820	618	368	301	152	53	23	13
10	82	3310	2460	2820	2970	601	371	991	135	66	22	13
11	77	2380	1290	1300	3770	553	566	543	126	57	20	16
12	71	727	1230	816	3120	509	540	306	138	50	20	20
13	69	445	1230	648	1430	481	388	1120	109	46	19	36
14	66	365	808	562	928	456	367	1570	96	63	18	31
15	65	417	606	513	2930	708	589	918	89	63	19	34
16	70	779	503	479	19000	3080	565	412	155	53	19	35
17	504	861	425	452	18400	5580	397	311	597	47	22	29
18	1140	551	427	1440	7920	5390	328	259	344	47	36	25
19	940	384	784	2540	3850	2940	290	215	311	49	35	22
20	507	326	1010	2900	2460	1160	273	187	240	46	24	22
21	283	293	682	3580	1660	822	274	185	161	47	25	22
22	218	307	493	5840	2150	709	271	338	161	93	27	17
23	183	929	354	4310	2820	631	399	376	153	92	28	16
24	158	980	353	2580	3060	578	369	236	133	93	28	14
25	141	588	359	4370	1890	532	416	182	109	99	26	13
26	122	423	322	9930	1000	488	327	157	91	66	24	13
27	109	369	343	6390	835	457	258	142	80	54	21	13
28	104	342	353	3030	754	437	883	138	73	46	19	13
29	105	338	403	1560	---	448	1240	150	71	42	20	13
30	103	318	945	1840	---	1060	585	152	66	38	21	12
31	93	---	1040	1570	---	1450	---	134	---	35	19	---
TOTAL	8469	20251	23023	75550	96584	40154	15672	11043	7461	1766	810	567
MEAN	273	675	743	2437	3449	1295	522	356	249	57.0	26.1	18.9
MAX	1390	3310	2580	9930	19000	5580	1240	1570	1050	99	46	36
MIN	65	84	199	452	754	437	258	134	66	35	18	12
CFSM	.74	1.83	2.01	6.60	9.35	3.51	1.42	.97	.68	.15	.07	.05
IN.	.85	2.04	2.32	7.62	9.74	4.05	1.58	1.11	.75	.18	.08	.06
CAL YR 1989	TOTAL	231701	MEAN 635	MAX 3600	MIN 28	CFSM 1.72	IN 23.36					
WTR YR 1990	TOTAL	301350	MEAN 826	MAX 19000	MIN 12	CFSM 2.24	IN 30.38					

PASCAGOULA RIVER BASIN

02476500 SOWASHEE CREEK AT MERIDIAN, MS

LOCATION.--Lat 32°22'08", long 88°40'35", in NE¼ sec.17, T.6 N., R.16 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, near right bank on upstream side of bridge on U.S. Highway 45, 0.6 mi downstream from Southern Railway System bridge, and 9.5 mi upstream from mouth.

DRAINAGE AREA.--52.1 mi².

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

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

GAGE.--Water-stage recorder. Datum of gage is 305.95 ft above National Geodetic Vertical Datum of 1929. Prior to Nov. 13, 1959, water-stage recorder and nonrecording gage at site 0.4 mi upstream at datum 3.00 ft higher.

REMARKS.--Estimated daily discharges: Oct. 1 - Nov. 10, Feb. 1-9, 12-15, March 10-12, 26-30, April 1-2, 4-10, 13-14, 18 - May 18, Sept. 4-11 and 22-30. Records poor. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--40 years, 68.3 ft³/s, 17.80 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,530 ft³/s, Apr. 6, 1964, gage height, 20.95 ft, maximum gage height, 22.98 ft, Mar. 4, 1979, minimum discharge, 0.20 ft³/s, Oct. 4, 1954, and at times during July, August, September 1957.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1900, 29.5 ft in February 1936, at site 0.6 mi upstream at present datum, from information by Southern Railway Company. Flood of Mar. 31, 1949, reached a stage of 26.6 ft at site 0.6 mi upstream at present datum, from information by Southern Railway Company. Flood of Apr. 8, 1938, reached a stage of 26 ft at site 0.4 mi upstream at present datum, from information by National Weather Service. The flood of Feb. 21, 1961, reached a stage 6.7 ft lower than that of the flood in February 1936, at site 0.6 mi upstream.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 25	0645	1,370	12.75	Mar. 16	1215	1,330	11.65
Feb. 15	2330	*5,250	*20.85				

Minimum recorded discharge, 1.1 ft³/s, Sept. 3, 13, but may have been less during period of no gage-height record.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	450	16	10	87	160	86	240	55	62	5.0	5.3	1.4
2	350	14	9.6	61	145	232	200	46	63	4.8	35	1.3
3	255	13	9.1	48	135	143	147	42	34	5.5	67	1.3
4	220	13	8.6	169	160	88	145	38	31	5.4	33	1.1
5	190	12	11	206	205	55	90	43	24	8.0	15	1.4
6	170	12	7.2	437	215	58	64	42	20	6.8	9.1	1.3
7	150	14	341	442	210	62	48	38	17	5.1	6.0	1.3
8	135	20	732	480	210	68	38	36	15	27	4.7	1.2
9	125	43	384	287	325	70	40	35	13	94	3.8	1.1
10	115	60	230	224	672	64	54	45	14	20	3.5	1.1
11	105	37	205	197	313	66	89	60	13	12	3.1	1.1
12	97	42	501	144	275	69	54	50	11	11	2.9	1.4
13	92	28	237	127	220	67	54	64	11	10	2.7	20
14	88	64	152	91	185	64	74	92	9.1	8.4	2.6	29
15	84	175	82	82	585	442	305	88	10	6.9	2.6	15
16	80	129	68	45	2420	1210	113	60	36	6.2	2.5	8.9
17	95	46	59	49	648	710	54	52	23	6.7	3.1	7.4
18	130	32	95	433	426	339	56	50	16	7.7	2.8	5.4
19	225	26	240	293	466	257	45	35	14	7.1	2.6	5.0
20	350	22	142	481	295	192	50	36	15	7.5	35	2.6
21	400	20	93	558	250	169	62	81	10	8.2	74	2.6
22	240	116	70	254	788	137	80	122	19	7.7	13	3.0
23	120	221	43	188	350	105	98	50	13	12	7.9	2.5
24	75	56	58	576	218	68	103	39	9.1	8.4	4.6	2.2
25	54	31	45	1230	170	58	84	32	7.2	6.0	3.1	2.1
26	43	24	52	385	202	56	63	29	6.3	5.7	2.5	2.0
27	34	21	50	209	140	47	73	28	6.2	5.4	2.0	1.9
28	27	28	32	152	104	42	79	29	9.4	4.7	1.8	1.9
29	23	15	67	273	---	45	88	26	5.4	4.5	1.6	1.8
30	20	11	145	200	---	120	73	21	4.8	4.8	1.7	1.8
31	18	---	141	165	---	202	---	60	---	5.1	1.6	---
TOTAL	4560	1361	4319.5	8573	10492	5391	2763	1524	541.5	337.6	356.1	130.1
MEAN	147	45.4	139	277	375	174	92.1	49.2	18.1	10.9	11.5	4.34
MAX	450	221	732	1230	2420	1210	305	122	63	94	74	29
MIN	18	11	7.2	45	104	42	38	21	4.8	4.5	1.6	1.1
CFSM	2.82	.87	2.67	5.32	7.20	3.34	1.77	.94	.35	.21	.22	.08
IN.	3.26	.97	3.08	6.12	7.49	3.85	1.97	1.09	.39	.24	.25	.09
CAL YR 1989	TOTAL	50108.9	MEAN	137	MAX	1430	MIN	3.2	CFSM	2.63	IN	35.78
WTR YR 1990	TOTAL	40348.8	MEAN	111	MAX	2420	MIN	1.1	CFSM	2.13	IN	28.81

PASCAGOULA RIVER BASIN

73

02476600 OKATIBBEE CREEK AT ARUNDEL, MS

LOCATION.--Lat 32°17'55", long 88°45'15", in SE4SW4 sec.3, T.5 N., R.15 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, on right bank, 100 ft downstream from Hognose Creek, 400 ft upstream from bridge on county road, 0.6 mi southeast of Arundel, and at mi 16.3.

DRAINAGE AREA.--342 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 259.04 ft above National Geodetic Vertical Datum 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: Jan. 11-12, June 21-24. Records fair. Flow from 154 mi² above the station, 21.3 mi upstream, regulated by Okatibbee Lake since November 1968. U.S. Army Corps of Engineer telemeter at station.

COOPERATION.--Gage-height record was collected in cooperation with the U. S. Army Corps of Engineers.

AVERAGE DISCHARGE.--22 years, 529 ft³/s, 21.02 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,800 ft³/s, Feb. 16, 1990, gage height, 22.65 ft, minimum daily, 20 ft³/s, Oct. 5, and 26, 1968.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 22,800 ft³/s, Feb. 16, gage height, 22.65 ft, minimum daily, 87 ft³/s, Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1200	100	959	479	1640	1660	1150	339	224	90	130	101
2	421	183	839	415	1520	1700	1650	307	234	110	119	100
3	239	222	747	508	1390	1670	1470	313	200	133	161	99
4	185	221	729	667	2380	1660	1460	283	173	136	150	100
5	154	225	722	726	1380	1620	1360	267	168	134	127	99
6	150	268	526	1070	1230	1540	1410	294	163	131	121	97
7	129	517	835	1030	1430	1500	1440	294	151	133	116	98
8	122	1390	2330	1320	1530	1460	1400	249	147	127	115	98
9	114	2280	1390	969	2540	1460	1390	480	150	219	113	95
10	105	1300	984	867	3790	1450	1350	405	115	148	110	96
11	113	970	907	1100	2290	1420	1180	285	158	134	111	158
12	104	1050	1600	1470	1490	1410	1170	269	106	149	108	125
13	101	1040	1150	1390	1570	1410	1300	706	107	181	109	111
14	101	1040	1010	1370	1590	1370	1410	407	107	143	110	158
15	99	1160	1120	1350	5820	1800	1680	383	134	132	111	115
16	133	878	1150	1330	18700	6150	1070	369	484	128	111	106
17	796	865	1120	1150	8020	5700	990	349	287	130	112	102
18	879	1020	1060	1560	3900	2840	938	333	183	132	113	100
19	365	1020	1200	1520	3360	1670	891	322	126	128	105	99
20	209	1010	821	1370	2760	1660	862	323	131	149	99	96
21	172	998	664	2200	2350	1540	574	358	138	176	169	96
22	154	907	595	1380	4090	1560	574	445	141	155	166	96
23	144	984	531	1270	3810	1570	675	356	135	131	122	95
24	137	959	522	2410	2830	1520	462	320	125	190	117	94
25	128	1050	551	6670	2070	1480	399	310	114	131	111	92
26	122	957	440	4730	1680	1450	369	302	109	127	105	93
27	115	1010	394	2340	1670	1430	360	296	105	125	105	92
28	111	1030	378	1520	1660	1390	482	296	103	122	103	91
29	108	1010	433	1730	---	1320	428	292	99	118	103	89
30	104	978	602	1700	---	1930	370	227	90	117	103	87
31	102	---	595	1660	---	1430	---	224	---	116	105	---
TOTAL	7116	26642	26904	49271	88490	57770	30264	10403	4707	4275	3660	3078
MEAN	230	888	868	1589	3160	1864	1009	336	157	138	118	103
MAX	1200	2280	2330	6670	18700	6150	1680	706	484	219	169	158
MIN	99	100	378	415	1230	1320	360	224	90	90	99	87
CFSM	.67	2.60	2.54	4.65	9.24	5.45	2.95	.98	.46	.40	.35	.30
IN.	.77	2.90	2.93	5.36	9.63	6.28	3.29	1.13	.51	.46	.40	.33
CAL YR 1989	TOTAL	250616	MEAN 687	MAX 4850	MIN 99	CFSM 2.01	IN 27.26					
WTR YR 1990	TOTAL	312580	MEAN 856	MAX 18700	MIN 87	CFSM 2.50	IN 34.00					

PASCAGOULA RIVER BASIN

02476600 OKATIBBEE CREEK AT ARUNDEL, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.14	3.89	9.22	6.51	12.45	12.61	10.19	5.54	4.61	3.37	3.92	3.64
2	6.24	4.73	8.58	6.09	11.97	13.17	12.66	5.30	4.70	3.60	3.80	3.64
3	5.08	5.10	8.09	6.70	11.44	13.29	11.81	5.34	4.39	3.87	4.25	3.62
4	4.62	5.09	7.99	7.63	14.60	12.91	11.75	5.11	4.14	3.91	4.13	3.64
5	4.31	5.12	7.96	7.98	11.43	12.37	11.27	4.98	4.10	3.91	3.89	3.63
6	4.28	5.39	6.81	9.85	10.68	12.09	11.49	5.20	4.05	3.89	3.83	3.62
7	4.05	6.82	8.28	9.61	11.59	11.93	11.64	5.20	3.92	3.91	3.77	3.62
8	3.97	11.30	14.50	11.09	12.06	11.76	11.47	4.83	3.88	3.86	3.76	3.63
9	3.89	14.39	11.46	9.29	14.80	11.73	11.40	6.42	3.91	4.75	3.74	3.60
10	3.78	10.95	9.37	8.73	16.77	11.71	11.23	6.01	3.54	4.09	3.71	3.62
11	3.87	9.29	8.95	---	14.26	11.55	10.42	5.12	3.98	3.96	3.71	4.29
12	3.77	9.73	12.51	---	11.89	11.48	10.37	4.99	3.44	4.11	3.68	3.95
13	3.74	9.66	10.21	11.39	12.19	11.48	11.01	7.85	3.45	4.42	3.69	3.81
14	3.74	9.66	9.49	11.30	12.26	11.30	11.54	6.02	3.44	4.05	3.70	4.29
15	3.71	10.31	10.09	11.22	15.72	12.84	12.93	5.86	3.72	3.93	3.72	3.86
16	4.04	8.79	10.28	11.13	21.90	18.26	9.84	5.76	6.44	3.90	3.71	3.77
17	7.86	8.72	10.10	10.26	19.05	18.08	9.40	5.62	5.12	3.91	3.72	3.72
18	8.67	9.56	9.79	12.26	16.85	15.36	9.09	5.50	4.25	3.93	3.73	3.70
19	5.97	9.57	10.53	12.02	16.27	12.99	8.85	5.41	3.69	3.90	3.65	3.69
20	4.99	9.50	8.49	11.33	15.32	12.67	8.71	5.42	3.74	4.09	3.57	3.66
21	4.67	9.44	7.63	14.25	14.50	12.08	7.10	5.67	---	4.37	4.31	3.67
22	4.49	8.95	7.24	11.41	16.86	12.15	7.10	6.29	---	4.17	4.28	3.67
23	4.39	9.37	6.85	10.82	16.77	12.18	7.67	5.67	---	3.92	3.85	3.66
24	4.31	9.23	6.79	13.88	15.43	12.03	6.40	5.40	---	4.49	3.79	3.64
25	4.21	9.71	6.97	18.57	14.06	11.85	5.98	5.32	3.60	3.92	3.73	3.63
26	4.15	9.21	6.25	17.49	13.36	11.69	5.76	5.26	3.55	3.88	3.66	3.65
27	4.07	9.50	5.94	14.38	13.13	11.58	5.69	5.21	3.52	3.86	3.67	3.64
28	4.02	9.62	5.83	12.02	12.90	11.43	6.54	5.21	3.50	3.82	3.65	3.64
29	3.99	9.50	6.20	13.17	---	11.08	6.17	5.18	3.45	3.78	3.65	3.61
30	3.94	9.33	7.27	13.39	---	13.37	5.77	4.63	3.36	3.77	3.65	3.59
31	3.92	---	7.23	12.88	---	11.63	---	4.60	---	3.76	3.68	---
MEAN	4.74	8.71	8.61	---	14.30	12.60	9.38	5.48	---	3.97	3.79	3.71
MAX	10.14	14.39	14.50	---	21.90	18.26	12.93	7.85	---	4.75	4.31	4.29
MIN	3.71	3.89	5.83	---	10.68	11.08	5.69	4.60	---	3.37	3.57	3.59

CAL YR 1989 MEAN 7.34 MAX 17.47 MIN 3.71

PASCAGOULA RIVER BASIN

75

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS

LOCATION.--Lat 32°10'32", long 88°49'10", in SE4NW4 sec.24, T.4 N., R.14 E., Choctaw Meridian, Clarke County, Hydrologic Unit 03170002, on right bank at downstream side of bridge on State Highway 513 in Enterprise, 0.5 mi downstream from confluence of Chunky River and Okatibbee Creek, and at mile 158.2.

DRAINAGE AREA.--918 mi².

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

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

GAGE.--Water-stage recorder. Datum of gage is 207.62 ft above National Geodetic Vertical Datum of 1929. Prior to Jan. 6, 1939, National Weather Service nonrecording gage. Prior to Oct. 1, 1966, at datum 5.00 ft higher.

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

AVERAGE DISCHARGE.--52 years, 1,264 ft³/s, 18.70 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61,700 ft³/s, Feb. 23, 1961, gage height, 42.94 ft, present datum, minimum, 18 ft³/s, Sept. 25-30, 1954, Oct. 22-25, 1963, minimum gage height, 3.95 ft present datum, Oct. 13-20, 23, and 24, 1952, Aug. 30, 1957.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 27	0530	18,800	30.98	Mar. 18	0130	14,400	28.22
Feb. 17	1130	*47,300	*41.56				

Minimum discharge, 122 ft³/s, Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3330	261	1410	2330	4000	2950	2360	887	517	183	237	148
2	1920	276	1310	1900	3520	3840	3300	733	1210	179	196	146
3	892	377	1130	1650	3680	5100	3080	668	1450	207	230	144
4	575	377	1070	1890	6270	4890	2540	636	926	214	247	142
5	436	376	1050	3840	6000	3920	2280	596	863	220	205	140
6	384	387	989	5620	5380	2950	2100	558	623	214	184	139
7	337	835	1630	5880	4240	2730	2070	524	482	219	177	137
8	307	3480	6210	6790	3690	2600	2050	503	417	224	168	136
9	287	5920	5570	6180	5880	2510	1980	885	372	268	166	135
10	264	5790	4600	5170	8620	2460	1930	1580	338	290	163	134
11	258	4070	3210	3790	8920	2380	2090	1290	345	246	159	165
12	242	2360	4370	3120	6570	2290	1930	833	324	227	157	193
13	240	1820	3740	2840	4660	2200	1860	1940	291	277	153	162
14	233	1680	2790	2690	3920	2140	1900	2320	263	243	152	224
15	232	1790	2510	2590	8090	3270	2920	1790	258	238	152	192
16	243	2050	2410	2520	27000	10200	2230	1150	591	223	152	177
17	954	2070	2280	2410	45100	13800	1710	937	1350	217	153	173
18	2700	1890	2260	4360	31900	13600	1500	820	786	221	155	167
19	1880	1670	2870	5680	16700	8120	1400	742	662	213	156	159
20	1060	1550	2990	5670	8130	4520	1340	695	534	217	170	148
21	652	1480	2260	7350	5700	3500	1190	684	397	274	294	146
22	514	1440	1900	8630	8460	2860	959	957	350	283	246	145
23	442	2160	1610	7750	8540	2660	1260	1020	351	297	210	140
24	399	2290	1360	7730	7550	2510	1140	772	313	304	177	136
25	359	1980	1480	13300	5650	2380	1040	657	282	308	169	133
26	333	1660	1420	16900	4210	2260	926	601	251	246	155	132
27	307	1560	1320	17800	3470	2160	758	569	227	220	151	131
28	291	1600	1300	10400	3140	2090	1220	551	213	209	149	129
29	283	1590	1360	5490	---	2040	1850	547	203	193	145	128
30	278	1500	2060	5490	---	3430	1380	516	198	183	144	124
31	270	---	2560	4880	---	3860	---	428	---	185	147	---
TOTAL	20902	56289	73029	182640	258990	126220	54293	27389	15387	7242	5519	4505
MEAN	674	1876	2356	5892	9250	4072	1810	884	513	234	178	150
MAX	3330	5920	6210	17800	45100	13800	3300	2320	1450	308	294	224
MIN	232	261	989	1650	3140	2040	758	428	198	179	144	124
CFSM	.73	2.04	2.57	6.42	10.1	4.44	1.97	.96	.56	.26	.19	.16
IN.	.85	2.28	2.96	7.40	10.50	5.11	2.20	1.11	.62	.29	.22	.18

CAL YR 1989	TOTAL	621468	MEAN	1703	MAX	9210	MIN	189	CFSM	1.86	IN	25.18
WTR YR 1990	TOTAL	832405	MEAN	2281	MAX	45100	MIN	124	CFSM	2.49	IN	33.73

PASCAGOULA RIVER BASIN

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.78	5.39	9.11	10.59	15.41	13.68	12.56	7.82	6.68	5.23	5.54	4.99
2	10.52	5.47	8.86	9.43	13.82	14.80	13.99	7.36	8.76	5.20	5.31	4.98
3	7.69	5.95	8.38	8.77	13.31	17.90	14.28	7.16	9.48	5.38	5.49	4.97
4	6.72	5.96	8.21	9.41	18.88	18.03	12.67	7.05	7.93	5.42	5.59	4.95
5	6.20	5.95	8.14	13.71	20.00	16.60	11.90	6.93	7.75	5.45	5.36	4.94
6	5.98	6.00	7.98	17.62	18.71	13.97	11.40	6.81	7.02	5.42	5.23	4.92
7	5.77	7.49	9.06	18.77	16.54	13.13	11.33	6.71	6.57	5.44	5.19	4.91
8	5.63	13.32	19.06	20.88	14.17	12.76	11.27	6.64	6.34	5.47	5.14	4.90
9	5.53	18.70	19.34	20.62	17.13	12.50	11.08	7.79	6.16	5.69	5.12	4.90
10	5.41	19.72	17.17	18.69	22.69	12.38	10.93	9.89	6.02	5.80	5.10	4.89
11	5.37	17.10	13.69	15.57	24.01	12.16	11.39	8.99	6.05	5.59	5.07	5.09
12	5.28	12.08	14.75	12.75	22.02	11.92	10.93	7.66	5.96	5.49	5.05	5.29
13	5.28	10.19	14.83	11.91	18.13	11.69	10.74	10.91	5.81	5.75	5.03	5.09
14	5.23	9.82	11.84	11.54	15.13	11.52	10.84	12.02	5.68	5.58	5.02	5.46
15	5.23	10.12	11.07	11.29	19.08	13.10	13.43	10.51	5.65	5.55	5.02	5.28
16	5.29	10.79	10.81	11.10	34.74	23.78	11.88	8.57	6.86	5.47	5.02	5.19
17	7.63	10.84	10.46	10.81	41.03	27.81	10.27	7.96	9.17	5.43	5.03	5.16
18	12.53	10.37	10.40	14.17	37.07	27.65	9.63	7.62	7.52	5.46	5.04	5.13
19	10.35	9.79	11.94	18.57	29.62	23.77	9.31	7.39	7.14	5.41	5.05	5.07
20	8.16	9.48	12.31	18.57	23.62	18.48	9.13	7.24	6.73	5.43	5.14	4.99
21	6.97	9.30	10.40	21.22	20.33	15.60	8.69	7.21	6.26	5.73	5.79	4.99
22	6.50	9.18	9.44	23.32	22.36	13.61	8.03	8.02	6.07	5.77	5.58	4.99
23	6.23	11.09	8.67	23.14	23.58	12.94	8.90	8.21	6.08	5.84	5.38	4.96
24	6.05	11.45	8.02	21.90	22.83	12.52	8.53	7.48	5.91	5.87	5.19	4.94
25	5.87	10.60	8.33	27.40	20.58	12.17	8.25	7.12	5.77	5.89	5.14	4.93
26	5.76	9.78	8.18	29.84	17.29	11.84	7.93	6.94	5.62	5.59	5.05	4.92
27	5.63	9.52	7.91	30.43	15.22	11.57	7.43	6.85	5.49	5.45	5.02	4.93
28	5.55	9.61	7.87	25.59	14.22	11.37	8.82	6.79	5.41	5.39	5.00	4.92
29	5.51	9.58	8.01	19.71	---	11.23	10.70	6.78	5.35	5.29	4.97	4.92
30	5.48	9.35	9.87	18.79	---	13.93	9.28	6.68	5.32	5.23	4.96	4.89
31	5.44	---	11.20	17.62	---	16.08	---	6.38	---	5.24	4.98	---
MEAN	6.76	10.13	10.82	17.54	21.13	15.18	10.52	7.79	6.55	5.51	5.18	5.02
MAX	14.78	19.72	19.34	30.43	41.03	27.81	14.28	12.02	9.48	5.89	5.79	5.46
MIN	5.23	5.39	7.87	8.77	13.31	11.23	7.43	6.38	5.32	5.20	4.96	4.89
CAL YR 1989	MEAN	9.57	MAX	24.38	MIN	4.96						
WTR YR 1990	MEAN	10.11	MAX	41.03	MIN	4.89						

LOCATION.--Lat 31°51'25", long 88°41'11", in NW¼ sec.10, T.10 N., R.7 W., St. Stephens Meridian, Clarke County, Hydrologic Unit 03170002, at bridge on county road, 0.5 mi southeast of Shubuta and at mile 114.0.

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

GAGE.--Nonrecording gage. Datum of gage is 147.58 ft above National Geodetic Vertical Datum of 1929. Nov. 1, 1904 to Apr. 18, 1923 at datum about 0.58 ft lower, Apr. 19, 1923 to Mar. 12, 1940 at datum 3.62 ft higher, Mar. 13, 1940 to Oct. 23, 1980 at site 3,500 ft downstream, at datum 0.28 ft lower.

EXTREMES FOR PERIOD OF RECORD.--1905 to 1961: Maximum discharge, 86,000 ft³/s, Dec. 11, 1919, gage height, 44.3 ft, former site and datum, 47.2 ft at present site and datum.
1904 to current year: Maximum gage height, 47.2 ft, Dec. 11, 1919, minimum since January 1972, 1.84 ft, Oct. 1, 1986.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
INSTANTANEOUS OBSERVATIONS AT 0600

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.61	3.25	8.02	13.57	24.79	14.08	17.21	9.06	4.58	2.76	3.24	2.31
2	14.55	3.08	7.56	11.81	18.98	13.24	14.89	7.07	6.87	2.78	3.37	2.32
3	11.94	3.02	7.21	9.90	14.58	16.53	13.99	5.99	7.13	2.68	2.95	2.38
4	8.63	3.81	6.73	8.53	16.42	17.05	13.92	5.71	8.01	2.61	2.73	2.30
5	5.53	3.64	6.46	10.26	18.70	17.33	12.25	5.74	6.46	2.73	3.01	2.27
6	4.59	3.43	6.22	17.15	18.95	16.95	10.99	5.50	6.04	2.77	2.80	2.21
7	3.71	3.93	6.44	19.09	19.31	13.69	10.40	5.28	5.32	2.73	2.66	2.19
8	3.70	5.60	18.24	20.39	18.58	12.07	10.08	5.12	4.77	2.77	2.50	2.17
9	3.63	15.51	21.51	20.64	16.09	11.64	10.03	5.19	4.53	2.83	2.41	2.15
10	3.48	17.30	20.76	20.35	18.57	11.27	9.88	7.30	4.36	2.77	2.35	2.14
11	3.37	17.31	19.70	19.97	22.24	11.08	10.78	9.12	4.28	3.20	2.30	2.12
12	3.23	17.08	21.41	18.56	22.28	10.85	11.13	8.28	7.10	2.99	2.27	2.19
13	3.12	13.20	22.06	13.58	22.80	10.75	10.48	17.88	4.24	3.34	2.23	2.20
14	3.11	8.85	18.47	11.27	22.42	10.69	9.89	20.04	3.83	3.27	2.21	2.56
15	3.09	9.16	14.20	10.66	19.87	10.48	14.49	15.99	3.60	2.98	2.20	2.47
16	3.08	9.38	11.41	10.34	19.13	21.58	16.40	12.51	3.58	3.16	2.20	2.39
17	3.28	9.64	10.37	10.08	27.28	26.72	13.28	9.20	4.29	3.08	2.33	2.39
18	5.43	9.19	9.87	13.66	33.86	27.20	10.73	7.15	8.06	3.08	2.21	2.42
19	11.65	8.82	10.96	17.59	42.67	27.21	9.07	6.44	6.83	3.18	2.28	2.32
20	9.64	8.14	14.59	17.76	42.54	28.18	8.52	6.12	5.71	3.06	2.62	2.25
21	7.10	7.21	13.78	19.78	39.67	27.58	8.23	6.00	5.30	3.38	2.56	2.22
22	5.51	7.27	12.01	20.20	36.20	23.47	8.04	6.72	4.49	3.31	2.86	2.20
23	4.88	9.30	10.11	20.04	34.21	15.75	7.36	7.09	4.00	3.27	3.28	2.19
24	4.18	12.20	8.09	20.52	30.78	12.47	9.14	7.00	4.00	4.30	3.05	2.20
25	4.31	11.17	7.26	27.88	27.41	11.88	8.51	6.13	3.79	3.76	2.74	2.15
26	3.90	9.70	7.25	31.66	24.81	11.44	8.19	5.60	3.60	3.55	2.55	2.13
27	3.67	9.41	7.28	31.04	21.99	11.09	7.09	5.24	3.43	3.30	2.47	2.09
28	3.52	8.12	7.08	31.46	17.38	10.76	6.60	5.12	3.13	3.02	2.39	2.07
29	3.43	8.72	7.06	32.53	---	10.69	9.40	5.02	2.91	2.90	2.32	2.10
30	3.33	9.61	8.70	32.36	---	11.76	10.62	4.98	2.83	2.82	2.26	2.10
31	3.25	---	11.38	29.77	---	16.37	---	4.91	---	2.80	2.31	---
MEAN	5.40	8.87	11.68	19.11	24.73	15.87	10.72	7.69	4.90	3.07	2.57	2.24
MAX	14.55	17.31	22.06	32.53	42.67	28.18	17.21	20.04	8.06	4.30	3.37	2.56
MIN	3.08	3.02	6.22	8.53	14.58	10.48	6.60	4.91	2.83	2.61	2.20	2.07
CAL YR 1989	MEAN 9.00	MAX 24.20	MIN 2.69									
WTR YR 1990	MEAN 9.65	MAX 42.67	MIN 2.07									

02477500 CHICKASAWHAY RIVER NEAR WAYNESBORO, MS

LOCATION.--Lat 31°40'46", long 88°41'00", in NW4 sec.10, T.8 N., R.7 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, on right bank 18 ft downstream from bridge on U.S. Highway 84, 2.3 mi west of Waynesboro, and at mile 93.2.

DRAINAGE AREA.--1,650 mi².

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

GAGE.--Nonrecording gage and telemeter. Datum of gage is 119.91 ft above National Geodetic Vertical Datum of 1929 (Mississippi State Highway Department bench mark). September 1938 to May 4, 1939, wire-weight gage and May 5, 1939 to September 1950, water-stage recorders, at present site and datum.

REMARKS.--Records furnished by National Weather Service.

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

EXTREMES FOR PERIOD OF RECORD.--1938-1950: Maximum discharge, 26,000 ft³/s, Jan. 24, 1947, gage height, 39.00 ft; minimum, 149 ft³/s, Aug. 28, 1943, gage height, 2.48 ft.

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

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

EXTREMES FOR CURRENT YEAR.--Maximum gage height observed, 41.90 ft, Feb. 21, minimum observed, 2.40 ft, Sept. 10-12, 26-30.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
INSTANTANEOUS OBSERVATIONS AT 0600

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.80	3.70	8.60	13.90	28.80	17.20	17.80	10.90	5.50	3.30	6.30	2.70
2	14.10	3.70	8.20	13.70	24.10	14.70	17.40	8.80	7.20	3.20	4.30	2.70
3	14.10	3.60	7.90	11.60	18.40	15.70	14.50	7.40	7.90	3.20	4.00	2.70
4	10.80	3.50	7.50	9.90	16.10	17.80	14.80	6.50	9.00	3.10	4.00	2.70
5	7.90	4.20	7.10	10.00	18.90	17.90	13.80	6.40	8.50	3.10	3.30	2.60
6	5.80	4.10	6.90	14.70	19.50	17.90	12.20	6.30	7.00	3.20	3.40	2.50
7	4.90	4.30	7.00	18.90	19.70	16.80	11.30	6.10	6.60	3.20	3.30	2.50
8	4.60	5.30	16.50	20.20	19.80	13.70	11.10	5.90	5.80	3.40	3.10	2.50
9	4.40	10.80	21.40	21.00	18.50	12.70	11.00	6.60	5.40	5.40	2.90	2.50
10	4.10	17.20	21.90	20.80	17.40	12.40	10.70	5.80	5.10	3.90	2.80	2.40
11	4.00	17.30	20.60	20.50	21.50	12.10	11.10	9.10	5.00	3.70	2.70	2.40
12	3.90	17.30	20.20	19.90	22.50	11.90	12.30	9.60	5.10	3.80	2.70	2.40
13	3.80	16.30	22.80	17.50	22.60	11.70	11.60	15.20	6.50	3.50	2.60	2.50
14	3.70	11.00	21.60	12.80	22.80	11.60	11.10	21.10	4.70	4.10	2.60	2.90
15	3.60	9.40	17.10	11.60	22.30	11.50	13.30	20.80	4.30	4.70	2.60	3.00
16	3.50	9.90	13.50	11.10	20.90	19.80	17.20	14.80	4.20	4.10	2.60	2.90
17	3.50	10.10	11.80	10.80	24.30	26.20	15.60	11.60	4.30	3.80	2.50	3.10
18	4.30	10.20	10.70	11.80	28.30	27.50	12.60	8.70	6.10	3.70	2.60	2.90
19	10.80	9.50	10.80	18.10	35.40	27.10	10.50	7.70	8.00	3.90	2.60	2.80
20	11.40	8.90	14.40	18.70	41.80	27.30	9.60	7.10	6.80	3.80	2.70	2.70
21	8.80	8.40	14.90	20.40	41.90	27.70	9.20	6.90	6.20	4.30	3.00	2.60
22	7.40	8.10	13.10	21.00	39.40	26.50	9.00	7.40	5.50	3.90	3.10	2.60
23	6.10	8.30	11.10	20.50	37.10	22.90	8.50	8.10	5.00	3.60	3.40	2.50
24	5.10	11.40	9.30	20.50	34.20	14.50	8.60	8.00	4.60	3.90	3.90	2.50
25	4.60	12.30	8.30	26.70	30.60	13.20	9.60	7.40	4.50	4.80	3.60	2.50
26	4.70	10.80	8.10	30.30	27.60	12.60	9.10	6.60	4.30	4.50	3.30	2.40
27	4.30	9.50	8.10	31.00	24.80	12.20	8.50	6.20	4.20	4.10	3.00	2.40
28	4.10	8.70	7.90	30.60	24.20	11.80	7.90	6.20	3.70	3.80	2.90	2.40
29	3.90	8.80	7.80	31.10	---	11.60	7.90	6.00	3.50	3.50	2.80	2.40
30	3.80	9.00	8.90	31.80	---	12.70	10.70	5.80	3.40	3.40	2.70	2.40
31	3.80	---	11.00	31.30	---	15.80	---	5.60	---	3.20	2.60	---
MEAN	6.02	9.19	12.42	19.44	25.84	16.94	11.62	8.73	5.60	3.78	3.16	2.60
MAX	14.10	17.30	22.80	31.80	41.90	27.70	17.80	21.10	9.00	5.40	6.30	3.10
MIN	3.50	3.50	6.90	9.90	16.10	11.50	7.90	5.60	3.40	3.10	2.50	2.40
CAL YR 1989	MEAN 9.72		MAX 23.30	MIN 3.00								
WTR YR 1990	MEAN 10.35		MAX 41.90	MIN 2.40								

02477990 BUCKATUNNA CREEK NEAR DENHAM, MS

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

DRAINAGE AREA.--492 mi².

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

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

REMARKS.--Estimated daily discharges, Aug. 10 - Sept.30. Records good except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--18 years, 808 ft³/s, 22.30 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,200 ft³/s, Mar. 6, 1979, gage height, 34.90 ft, minimum, 7.8 ft³/s, Sept. 21-22, 1972.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 13	0330	4,110	17.89	Feb. 20	0230	*10,300	*31.02
Jan. 21	1900	4,280	18.32	Mar. 17	0115	7,130	24.75
Jan. 29	2930	7,950	26.44				

Minimum observed discharge, 50 ft³/s, Sept. 19, gage height, 4.48 ft, but may have been less during period of no gage height Aug. 10 to Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	186	72	368	1710	4010	1710	1910	486	235	89	69	50
2	393	70	322	1460	2600	1480	1770	378	378	82	72	48
3	454	70	281	1250	1820	1690	1820	325	427	78	87	46
4	303	67	257	989	2370	1560	1640	293	427	75	82	44
5	198	66	241	1050	2890	1480	1300	273	423	74	75	43
6	150	69	229	1800	2450	1280	975	254	285	73	94	42
7	118	101	328	2530	2170	1030	787	242	232	72	100	41
8	100	562	3040	2940	2180	905	697	232	210	73	76	40
9	87	1170	3640	2710	2260	838	658	309	178	101	69	41
10	79	1410	3300	2450	2790	800	635	466	159	193	90	43
11	73	1300	3000	2270	3170	767	842	583	153	127	83	50
12	69	1270	3480	2040	2940	726	917	598	141	92	78	60
13	65	1010	4010	1470	2870	686	890	2990	134	90	73	78
14	63	542	3870	969	2930	649	747	3460	131	110	68	84
15	61	511	3550	792	3810	1480	1720	2970	128	264	68	85
16	63	679	2820	713	4350	5920	1850	1610	121	212	70	84
17	91	751	2100	666	4610	6750	1600	774	138	151	74	80
18	112	592	1170	2400	4150	5690	1400	554	606	127	88	64
19	133	439	1190	3380	8190	5590	1070	440	749	145	90	50
20	327	349	1720	2830	9890	5940	720	368	513	104	86	46
21	311	300	1750	4030	8020	5610	609	391	290	95	82	46
22	202	289	1650	3750	7210	4560	558	533	211	89	76	43
23	155	425	1440	3110	6190	2990	566	647	192	84	73	37
24	126	804	955	3330	5040	1460	684	525	155	100	72	34
25	110	1000	676	7160	4340	1140	739	390	225	130	70	32
26	100	792	629	7410	3830	997	633	304	212	111	68	30
27	93	532	631	7050	3440	891	510	264	155	96	66	29
28	86	434	625	7670	2780	813	466	279	131	79	62	28
29	81	391	667	7880	---	783	445	251	114	73	58	27
30	77	388	1090	7040	---	1620	544	224	101	71	55	26
31	74	---	1560	5560	---	2220	---	206	---	70	53	---
TOTAL	4540	16455	50589	100409	113300	70055	29702	21619	7554	3330	2327	1451
MEAN	146	549	1632	3239	4046	2260	990	697	252	107	75.1	48.4
MAX	454	1410	4010	7880	9890	6750	1910	3460	749	264	100	85
MIN	61	66	229	666	1820	649	445	206	101	70	53	26
CFSM	.30	1.12	3.32	6.58	8.22	4.59	2.01	1.42	.51	.22	.15	.10
IN.	.34	1.24	3.83	7.59	8.57	5.30	2.25	1.63	.57	.25	.18	.11
CAL YR 1989	TOTAL	311003	MEAN	852	MAX	4390	MIN	56	CFSM	1.73	IN	23.51
WTR YR 1990	TOTAL	421331	MEAN	1154	MAX	9890	MIN	26	CFSM	2.35	IN	31.86

PASCAGOULA RIVER BASIN

02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MS

LOCATION.--Lat 31°08'54", long 88°33'52", in SW4 sec.12, T.2 N., R.6 W., St. Stephens Meridian, Greene County, Hydrologic Unit 03170003, on left bank at downstream side of bridge on State Highway 63, 0.5 mi southeast of Leakesville, 1.8 mi upstream from Faulk Ditch, and 29.1 mi upstream from confluence with Leaf River.

DRAINAGE AREA.--2,690 mi².

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

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

GAGE.--Water-stage recorder. Datum of gage is 51.13 ft above National Geodetic Vertical Datum 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. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--52 years, 3,917 ft³/s, 19.77 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 73,600 ft³/s, Feb. 28, 1961, gage height, 33.52 ft, minimum, 160 ft³/s, Oct. 30, 31, 1963, gage height, 6.74 ft.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 15	0500	15,500	22.66	Mar. 18	1800	26,500	27.40
Feb. 1	0400	29,200	28.02	May 15	0400	20,000	25.10
Feb. 23	2000	*49,400	*31.03				

Minimum discharge, 398 ft³/s, Sept. 29,30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1040	735	2950	9870	28900	22900	11800	4360	2040	975	1280	508
2	2370	712	2760	8930	27000	18400	12200	4440	2940	948	1430	523
3	4810	700	2560	7430	23800	13500	12300	3430	4790	906	1210	540
4	4920	680	2360	5980	19300	12400	10700	2770	4170	876	1030	506
5	3530	657	2160	5340	13900	12600	9730	2400	4020	857	910	488
6	2300	678	2010	6470	12300	12500	8980	2240	3520	841	879	468
7	1570	768	2110	9660	12500	12100	7810	2140	2640	838	832	454
8	1270	1200	6200	12900	12500	11000	6820	2030	2330	842	809	446
9	1110	3630	11500	14400	12400	9350	6250	2070	2240	865	757	438
10	1000	6300	13700	14600	12300	8450	5940	2590	1990	960	695	430
11	898	8050	14400	14100	13200	7850	5830	2950	1860	1100	655	426
12	824	8340	14100	13400	14300	7420	6190	3430	1870	1110	627	435
13	768	8180	14000	12500	15200	7060	6510	12700	1680	1070	606	438
14	727	7530	15000	10000	15500	6780	6370	19300	1780	1030	585	550
15	701	5840	15300	6710	16300	6570	6270	19800	1430	1020	569	555
16	692	4940	13300	5530	18300	15300	8370	18300	1280	1080	554	594
17	755	4810	9640	5080	19900	23800	10200	14000	1240	1170	545	552
18	908	4230	7150	5360	19900	26200	9350	8100	1190	1190	540	527
19	1060	3870	6430	9580	22200	26200	7290	4740	1560	1160	531	507
20	2600	3380	7250	13000	25600	25200	5750	3550	2540	1140	528	481
21	3450	2990	8050	16500	29200	24200	4730	3080	2260	1180	532	472
22	2980	2740	7990	17900	39600	23700	4600	3580	1870	1170	558	459
23	2380	3300	6750	17400	48400	23400	4820	4030	1710	1180	604	444
24	1880	3910	5390	16500	47300	22200	4180	3690	1740	1160	640	428
25	1480	4740	4240	18100	42200	17800	4090	3250	1660	1120	714	420
26	1200	4980	3570	22400	36600	11200	4340	2720	1400	1170	706	419
27	1050	4240	3350	25900	31200	9150	4020	2340	1330	1160	642	410
28	962	3520	3290	27500	26700	8390	3720	2950	1230	1060	583	402
29	883	3180	3180	28000	---	7820	3520	5030	1100	946	544	400
30	822	3050	3760	28200	---	7510	3540	3210	1010	862	521	403
31	773	---	6180	28800	---	9970	---	2290	---	812	538	---
TOTAL	51713	111880	220630	438040	656500	450920	206220	171510	62420	31798	22154	14123
MEAN	1668	3729	7117	14130	23450	14550	6874	5533	2081	1026	715	471
MAX	4920	8340	15300	28800	48400	26200	12300	19800	4790	1190	1430	594
MIN	692	657	2010	5080	12300	6570	3520	2030	1010	812	521	400
CFSM	.62	1.39	2.65	5.25	8.72	5.41	2.56	2.06	.77	.38	.27	.18
IN.	.72	1.55	3.05	6.06	9.08	6.24	2.85	2.37	.86	.44	.31	.20

CAL YR 1989	TOTAL	1730210	MEAN	4740	MAX	15800	MIN	571	CFSM	1.76	IN	23.93
WTR YR 1990	TOTAL	2437908	MEAN	6679	MAX	48400	MIN	400	CFSM	2.48	IN	33.71

02479000 PASCAGOULA RIVER AT MERRILL, MS

LOCATION.--Lat 30°58'40", long 88°43'35", in SW4 sec.18, T.1 S., R.7 W., St. Stephens Meridian, George County, Hydrologic Unit 03170006, near right bank on downstream side of bridge on highway between Merrill and Avent, 0.5 mi downstream from confluence of Leaf and Chickasawhay Rivers, 0.5 mi west of Merrill, and at mile 80.8.

DRAINAGE AREA.--6,590 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 26.25 ft above National Geodetic Vertical Datum of 1929. Prior to Dec. 6, 1934, nonrecording gage at same site and datum.

REMARKS.--No estimated daily discharges. Records good. Records of chemical analysis for the current year at site 13.8 mi downstream (station 02479020). National Weather Service telemeter at station.

AVERAGE DISCHARGE.--60 years, 10,051 ft³/s, 20.71 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 178,000 ft³/s, Feb. 27, 1961, gage height, 30.66 ft, minimum, 696 ft³/s, Nov. 3, 1936, minimum gage height, 1.92 ft, Oct. 21-26, 1963.

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.--Maximum discharge, 106,000 ft³/s, Feb.23, gage height, 26.38 ft, minimum, 1,280 ft³/s, Sept. 28,29,30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4430	2290	6570	23200	76800	52200	21100	11100	6650	3350	2630	1730
2	5610	2290	6300	24900	70600	42500	21400	10800	12600	3100	3240	1660
3	7680	2330	5910	22700	63400	34900	21600	9080	18100	2910	3250	1670
4	8960	2310	5430	18600	53000	30500	21200	7060	21300	2810	3120	1660
5	8190	2230	5040	16900	44000	28600	18400	6040	17200	2720	2990	1600
6	6570	2200	4710	18500	38400	27900	15700	5480	12500	2700	2850	1600
7	5030	2590	4860	22300	34200	26900	12900	5160	9980	2710	2620	1530
8	3860	4610	13100	28100	32300	24100	10900	4910	8280	2700	2380	1490
9	3280	8470	24400	33100	31400	19700	9820	5040	7020	2890	2250	1460
10	2950	10800	29700	36200	31100	16300	9320	6430	6330	3230	2130	1440
11	2740	11900	32900	36800	33900	14600	9540	7130	6370	3510	2030	1420
12	2560	12700	33800	35000	36700	13600	10500	7950	6510	3270	1960	1510
13	2450	12800	33700	31400	38800	12900	11200	19300	5480	3130	1900	1560
14	2370	12400	35000	26000	40600	12400	10900	41800	5090	3320	1860	1740
15	2320	17100	35900	19500	45100	12600	11400	56700	4740	3390	1820	2050
16	2320	16000	33600	13700	47500	27100	14000	70100	4230	3540	1770	1900
17	3090	13600	28400	11500	48500	48300	17600	78700	4130	3540	1740	1820
18	3520	10200	20700	11400	51200	60900	17400	73000	4010	3470	1700	1710
19	4210	8450	16000	18200	62800	63100	14800	57400	4080	3310	1670	1620
20	4790	7380	16600	23900	73700	63100	11800	44300	5090	3130	1650	1540
21	6030	6540	16300	32100	83600	61400	9750	31200	5960	3300	1640	1480
22	5860	5940	16300	40100	96300	57800	8320	17700	5560	3430	1660	1440
23	4980	6980	15200	42700	104000	52100	8840	13300	5110	3260	1760	1430
24	4160	8750	13000	42400	100000	45300	8870	11800	5190	3210	2410	1380
25	3540	9100	10900	44000	90000	37600	8890	9900	5100	3080	2360	1340
26	3120	9410	9120	53400	80100	29800	9140	8450	4650	2950	2390	1310
27	2850	8970	8130	63900	71600	20600	8650	7280	4170	3020	2210	1300
28	2710	7940	7820	73600	63000	14300	8020	7000	3810	2960	2030	1290
29	2570	7380	7600	81100	---	12200	8000	10900	3550	2750	1840	1290
30	2460	6820	8000	84000	---	12800	9950	10200	3350	2560	1740	1290
31	2360	---	13000	82000	---	17600	---	7480	---	2420	1740	---
TOTAL	127570	240480	517990	1111200	1642600	993700	379910	662690	216140	95670	67340	46260
MEAN	4115	8016	16710	35850	58660	32050	12660	21380	7205	3086	2172	1542
MAX	8960	17100	35900	84000	104000	63100	21600	78700	21300	3540	3250	2050
MIN	2320	2200	4710	11400	31100	12200	8000	4910	3350	2420	1640	1290
CFSM	.62	1.22	2.54	5.44	8.90	4.86	1.92	3.24	1.09	.47	.33	.23
IN.	.72	1.36	2.92	6.27	9.27	5.61	2.14	3.74	1.22	.54	.38	.26
CAL YR 1989	TOTAL	4246780	MEAN	11640	MAX	43700	MIN	1730	CFSM 1.77	IN 23.97		
WTR YR 1990	TOTAL	6101550	MEAN	16720	MAX	104000	MIN	1290	CFSM 2.54	IN 34.44		

PASCAGOULA RIVER BASIN

02479000 PASCAGOULA RIVER AT MERRILL, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.68	3.61	7.13	15.87	24.39	22.20	15.11	10.72	8.06	5.35	4.49	3.68
2	6.53	3.61	6.93	16.48	23.90	20.78	15.23	10.58	11.51	5.12	5.08	3.61
3	7.89	3.65	6.66	15.70	23.30	19.25	15.32	9.52	13.92	4.94	5.09	3.62
4	8.70	3.62	6.30	13.96	22.29	18.15	15.16	8.21	15.18	4.83	4.98	3.61
5	8.21	3.55	6.00	13.12	21.06	17.61	14.05	7.50	13.55	4.73	4.86	3.55
6	7.12	3.52	5.74	13.89	19.98	17.40	12.89	7.09	11.57	4.71	4.73	3.55
7	5.99	3.90	5.86	15.54	19.12	17.11	11.64	6.84	10.22	4.71	4.52	3.47
8	5.05	5.63	10.95	17.45	18.64	16.19	10.60	6.65	9.16	4.70	4.29	3.41
9	4.54	8.39	16.28	18.86	18.38	14.48	9.99	6.75	8.32	4.86	4.16	3.38
10	4.25	9.80	17.92	19.55	18.31	12.80	9.68	7.77	7.84	5.17	4.04	3.34
11	4.04	10.46	18.80	19.66	19.04	11.92	9.81	8.26	7.87	5.41	3.93	3.32
12	3.87	10.88	19.03	19.30	19.64	11.41	10.38	8.81	7.97	5.19	3.86	3.43
13	3.77	10.95	19.02	18.40	20.06	11.03	10.82	13.88	7.23	5.05	3.81	3.48
14	3.69	10.73	19.30	16.82	20.42	10.72	10.61	20.60	6.93	5.22	3.76	3.68
15	3.63	13.20	19.49	14.34	21.25	10.86	10.92	22.66	6.64	5.27	3.71	4.01
16	3.64	12.68	18.96	11.44	21.62	16.86	12.15	23.86	6.22	5.39	3.67	3.84
17	4.37	11.39	17.53	10.21	21.78	21.61	13.70	24.54	6.14	5.39	3.63	3.76
18	4.76	9.48	14.86	10.18	22.11	23.07	13.63	24.10	6.03	5.31	3.60	3.63
19	5.34	8.38	12.63	13.74	23.24	23.27	12.49	22.73	6.08	5.16	3.57	3.53
20	5.81	7.68	12.97	16.11	24.15	23.27	11.12	21.08	6.87	5.00	3.54	3.43
21	6.74	7.10	12.83	18.53	24.90	23.11	9.94	18.24	7.52	5.14	3.54	3.35
22	6.62	6.67	12.83	20.32	25.76	22.78	9.05	13.74	7.21	5.25	3.57	3.30
23	5.96	7.39	12.27	20.85	26.30	22.21	9.37	11.93	6.86	5.09	3.68	3.27
24	5.30	8.57	11.08	20.79	26.01	21.27	9.40	11.24	6.92	5.03	4.37	3.22
25	4.77	8.79	9.88	21.05	25.35	19.82	9.41	10.17	6.84	4.91	4.32	3.16
26	4.40	8.99	8.80	22.33	24.64	17.93	9.57	9.27	6.48	4.79	4.35	3.12
27	4.15	8.71	8.17	23.34	23.98	14.87	9.26	8.50	6.08	4.86	4.18	3.10
28	4.02	8.05	7.98	24.15	23.26	12.27	8.85	8.31	5.77	4.80	3.99	3.09
29	3.88	7.68	7.83	24.72	---	11.30	8.84	10.74	5.54	4.61	3.78	3.08
30	3.77	7.30	8.09	24.93	---	11.60	10.06	10.35	5.36	4.43	3.69	3.08
31	3.68	---	10.99	24.79	---	13.71	---	8.63	---	4.30	3.69	---
MEAN	5.17	7.81	12.04	17.95	22.25	17.12	11.30	12.69	8.06	4.99	4.08	3.44
MAX	8.70	13.20	19.49	24.93	26.30	23.27	15.32	24.54	15.18	5.41	5.09	4.01
MIN	3.63	3.52	5.74	10.18	18.31	10.72	8.84	6.65	5.36	4.30	3.54	3.08
CAL YR 1989	MEAN	9.47	MAX	21.04	MIN	3.25						
WTR YR 1990	MEAN	10.51	MAX	26.30	MIN	3.08						

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

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

DRAINAGE AREA.--6,680 mi².

PERIOD OF RECORD.--Water years 1958-60, 1962, 1964-65, 1970 to current year.

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1975 to September 1981.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED SATUR-ATION (00301)	COLI-FORM, FECAL, UM-MF (COLS./100 ML) (31625)	STREP-TOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV 15...	1500	17900	61	6.1	21.5	59	7.9	91	180	1600	11	3.2
JAN 30...	1230	84800	27	6.0	12.0	38	9.8	91	250	230	7	2.1
MAY 21...	1200	31600	40	6.0	24.0	26	6.6	79	2300	980	13	3.8
JUL 13...	1100	3130	126	6.7	30.0	13	6.7	89	260	590	19	5.4
SEP 05...	1430	1620	--	6.5	30.0	7.1	5.9	--	<10	K27	14	3.3
DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM, AD-SORP-TION RATIO (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
NOV 15...	0.68	4.6	42	0.6	2.2	7	6	6.0	5.7	<0.10	7.3	--
JAN 30...	0.48	2.5	37	0.4	1.5	4	3	4.0	3.4	0.10	4.7	--
MAY 21...	0.90	3.8	36	0.5	1.3	13	10	4.1	4.7	<0.10	6.1	39
JUL 13...	1.4	17	63	2	1.6	21	17	18	17	<0.10	9.7	88
SEP 05...	1.4	25	75	3	2.9	16	13	27	21	<0.10	10	96
DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 15...	34	0.05	1640	0.160	0.070	1.0	0.080	--	<0.010	128	6190	100
JAN 30...	22	0.03	4940	<0.100	0.050	0.20	0.060	0.040	0.040	55	12600	100
MAY 21...	32	0.05	3330	0.100	0.060	0.90	0.030	<0.010	<0.010	69	5890	98
JUL 13...	81	0.12	744	0.200	0.050	0.60	0.060	0.010	<0.010	32	270	89
SEP 05...	102	0.13	420	0.600	0.270	0.50	0.050	0.050	0.030	17	74	93

PASCAGOULA RIVER BASIN

02479020 PASCAGOULA RIVER NEAR BENNDALE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)
JAN 30...	190	<1	29	<0.5	3.0	<5	<3	<10	230	<10
MAY 21...	150	1	39	<0.5	2.0	<1	<3	2	290	<1
SEP 05...	150	1	36	<0.5	3.0	<1	<3	2	430	1
DATE	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	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)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
JAN 30...	<4	51	<0.1	<10	<10	<1	<1.0	17	<6	12
MAY 21...	<4	48	0.1	<10	5	<1	<1.0	31	<6	200
SEP 05...	<4	87	<0.1	<10	1	<1	<1.0	45	<6	4

02479130 BLACK CREEK NEAR BROOKLYN, MS

LOCATION.--Lat 31°03'06", long 89°12'16", in NW4NE4 sec.16, T.1 N., R.12 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170007, near right bank at downstream side of downstream bridge of dual bridges on U. S. Highway 49, 1.1 mi southwest of Brooklyn, and 4.5 mi upstream from Chaney Creek.

DRAINAGE AREA.--355 mi².

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

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

GAGE.--Water-stage recorder. Datum of gage is 128.14 ft above National Geodetic Vertical Datum of 1929 (Mississippi State Highway Department bench mark).

REMARKS.--Estimated daily discharges: Apr. 19-22, May 2-4. Records good except for estimated daily discharges, which are poor. Telemeter at station.

AVERAGE DISCHARGE.--20 years, 688 ft³/s, 26.32 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 42,500 ft³/s, Apr. 7, 1983, gage height, 29.96 ft from flood-mark, minimum, 66 ft³/s, Oct. 3, 1982, gage height, 3.38 ft.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 15	1630	4,440	14.51	Feb. 23	0600	7,700	19.22
Dec. 8	1330	3,910	13.54	Mar. 17	1300	5,850	16.92
Jan. 26	2030	9,470	20.47	May 15	1100	7,600	19.13
Feb. 19	0830	6,450	17.82	Jun. 2	2130	*12,900	*21.74

Minimum daily discharge, 97 ft³/s, Sept. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	592	204	433	1990	1440	982	1060	471	2460	267	155	146
2	505	209	373	1220	1260	1450	918	370	9970	227	181	124
3	389	248	341	963	1080	1790	925	310	9200	210	161	118
4	287	234	309	1140	1340	1430	677	280	3940	205	156	114
5	240	220	293	1900	1290	1220	590	275	2070	239	149	114
6	219	213	286	2000	1480	1020	519	265	1520	236	158	114
7	209	606	527	2170	1540	822	470	253	1070	218	150	113
8	202	1200	3480	2660	1470	747	440	247	917	217	141	111
9	199	948	2520	1810	1500	726	423	476	681	234	135	108
10	192	650	1570	1330	2250	708	421	631	687	221	132	108
11	187	463	1330	1050	2050	668	630	457	1200	243	129	109
12	184	368	2050	837	1520	632	608	378	752	304	124	137
13	184	286	1950	689	1230	593	516	4790	558	322	121	175
14	185	1480	1270	621	1050	562	484	6400	522	248	120	270
15	187	4090	1010	586	1300	1120	740	7200	452	228	119	172
16	198	3140	868	560	2060	4530	660	3960	392	232	118	145
17	250	1490	683	547	2610	5700	542	1650	353	349	116	132
18	410	928	640	1270	2840	4180	493	1070	336	304	114	121
19	370	678	1180	1600	5980	2380	420	708	330	244	113	115
20	287	547	1030	1440	3980	1650	395	574	325	215	113	114
21	251	491	766	2270	2400	1220	380	548	307	257	116	113
22	230	472	641	1670	5700	961	400	869	283	262	118	113
23	219	975	533	1230	7020	843	476	826	342	233	123	111
24	209	776	463	1640	3770	752	453	781	334	242	167	111
25	199	630	449	6040	2190	691	414	604	322	238	190	110
26	194	525	463	8840	1680	638	400	459	289	215	189	108
27	191	447	472	7900	1350	597	377	408	250	188	159	106
28	211	447	464	3820	1130	560	432	847	231	172	156	100
29	222	573	467	2330	---	564	546	1230	255	174	173	97
30	229	533	595	2260	---	980	487	754	280	165	172	102
31	228	---	2620	1730	---	1200	---	486	---	153	175	---
TOTAL	7859	24071	30076	66113	64510	41916	16296	38577	40628	7262	4443	3731
MEAN	254	802	970	2133	2304	1352	543	1244	1354	234	143	124
MAX	592	4090	3480	8840	7020	5700	1060	7200	9970	349	190	270
MIN	184	204	286	547	1050	560	377	247	231	153	113	97
CFSM	.72	2.26	2.73	6.01	6.49	3.81	1.53	3.50	3.81	.66	.40	.35
IN.	.82	2.52	3.15	6.93	6.76	4.39	1.71	4.04	4.26	.76	.47	.39

CAL YR 1989	TOTAL	257307	MEAN	705	MAX	4780	MIN	149	CFSM	1.99	IN	26.96
WTR YR 1990	TOTAL	345482	MEAN	947	MAX	9970	MIN	97	CFSM	2.67	IN	36.20

PASCAGOULA RIVER BASIN

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

LOCATION.--Lat 31°01'30", long 89°01'00", in NW¼NE¼ sec.29, T.1 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170007, on right bank at downstream side of bridge on State Highway 29, 1.2 mi east of Janice, and 5.5 mi upstream from mouth.

DRAINAGE AREA.--52.6 mi².

WATER-DISCHARGE RECORDS

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

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

GAGE.--Water-stage recorder. Elevation of gage is 110 ft, above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Oct. 17 to Nov. 3. Records good. Telemeter at station.

AVERAGE DISCHARGE.--24 years, 99.3 ft³/s, 25.64 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 13,000 ft³/s, Apr. 4, 1979, maximum gage height 29.51 ft, Apr. 7, 1983, minimum, 4.5 ft³/s, Sept. 2, 3, 1968.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 21	0930	1,630	15.72	Feb 22	1530	3,230	20.98
Jan. 25	1700	2,090	17.76	Mar 16	0930	2,780	20.98
Feb. 19	0330	3,540	21.54	May 13	1630	*4,070	*22.43

Minimum discharge, 9.2 ft³/s, Sept. 8,9,10,11,27,28,29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85	11	24	482	117	119	160	38	179	20	27	13
2	32	16	24	156	108	181	164	35	409	18	17	12
3	21	22	24	111	99	185	177	33	121	17	15	11
4	17	22	22	171	188	119	111	32	65	17	14	10
5	15	19	20	334	131	99	86	34	46	18	14	10
6	14	19	21	382	106	88	76	32	38	16	13	10
7	14	47	276	399	162	82	71	29	40	16	13	9.8
8	14	451	1020	386	163	78	64	28	38	16	13	9.4
9	13	347	339	177	268	79	61	188	32	29	12	9.4
10	13	88	143	125	513	77	68	158	30	21	12	9.3
11	12	41	104	100	314	71	132	54	31	27	12	13
12	12	29	169	83	148	67	85	38	27	40	11	15
13	12	25	167	71	112	65	62	2800	24	34	11	13
14	13	132	96	65	108	61	95	825	23	29	11	23
15	13	306	93	63	331	623	284	213	22	22	11	21
16	40	324	78	60	370	2480	125	132	21	19	11	14
17	160	112	63	61	327	1080	73	99	37	20	10	44
18	70	54	66	234	642	330	59	78	30	22	10	17
19	37	40	271	208	2630	208	53	65	23	22	9.9	12
20	26	34	274	264	534	165	54	60	21	24	11	11
21	22	31	113	1150	262	144	51	70	20	30	10	10
22	20	36	77	298	2490	130	84	152	19	23	23	11
23	18	124	59	160	683	118	164	87	59	20	28	16
24	16	70	52	247	261	107	79	57	43	22	15	12
25	15	42	54	1600	192	95	55	48	26	21	12	10
26	14	36	57	600	159	85	48	44	21	18	11	9.9
27	14	35	57	218	142	77	47	43	19	16	14	9.5
28	13	37	53	161	129	73	75	77	18	15	13	9.2
29	13	40	58	229	---	75	54	75	23	15	12	9.8
30	12	26	107	224	---	281	43	49	22	14	11	10
31	12	---	646	141	---	358	---	41	---	14	16	---
TOTAL	802	2616	4627	8960	11689	7800	2760	5714	1527	655	422.9	394.3
MEAN	25.9	87.2	149	289	417	252	92.0	184	50.9	21.1	13.6	13.1
MAX	160	451	1020	1600	2630	2480	284	2800	409	40	28	44
MIN	12	11	20	60	99	61	43	28	18	14	9.9	9.2
CFSM	.49	1.66	2.83	5.49	7.93	4.79	1.75	3.50	.97	.40	.26	.25
IN.	.57	1.85	3.27	6.34	8.27	5.52	1.95	4.04	1.08	.46	.30	.28

CAL YR 1989 TOTAL 38331.0 MEAN 105 MAX 3600 MIN 11 CFSM 2.00 IN 27.11
WTR YR 1990 TOTAL 47967.2 MEAN 131 MAX 2800 MIN 9.2 CFSM 2.49 IN 33.92

02479155 CYPRESS CREEK NEAR JANICE, MS--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT UM-MF SATUR- ATION) (00301)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)
NOV 15...	1330	257	47	5.2	23.0	10	8.1	96	1200	360	6	1.3
JAN 30...	1500	203	18	5.4	11.0	4.4	10.0	91	100	K31	3	0.67
JUL 13...	1300	35	15	5.6	24.5	4.0	8.0	96	K28	240	4	1.0

DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS CACO3) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)
NOV 15...	0.72	1.9	36	0.3	0.80	5	4	4.0	3.6	<0.10	9.5
JAN 30...	0.40	1.8	51	0.4	0.30	0	0	2.0	2.9	0.10	7.5
JUL 13...	0.46	2.3	51	0.5	0.40	1	1	<1.0	3.6	<0.10	10
DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)
NOV 15...	51	25	0.07	35.4	<0.100	<0.010	0.60	<0.010	<0.010	<0.010	370
JAN 30...	--	17	0.02	9.25	<0.100	0.010	0.30	<0.010	<0.010	<0.010	240
JUL 13...	23	--	--	--	<0.100	0.030	0.20	0.020	0.010	<0.010	190

DATE	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	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)
NOV 15...	<1	44	<0.5	<1.0	<1	<3	2	340	1	<4	150
JAN 30...	<1	35	<0.5	1.0	<5	<3	<10	220	<10	<4	58
JUL 13...	1	33	0.6	<1.0	<1	<3	7	220	2	<4	30

DATE	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)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 15...	<0.1	<10	1	<1	<1.0	13	<6	49	24	17	100
JAN 30...	<0.1	<10	<10	<1	<1.0	8	<6	23	9	4.9	100
JUL 13...	<0.1	<10	1	<1	<1.0	10	<6	10	6	0.57	100

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	GROSS ALPHA, DIS-SOLVED (UG/L AS U-NAT) (80030)	GROSS ALPHA, BETA, SUSP. TOTAL (UG/L AS U-NAT) (80040)	GROSS BETA, DIS-SOLVED (PCI/L AS CS-137) (03515)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137) (03516)	GROSS BETA, DIS-SOLVED (PCI/L AS SR/YT-90) (80050)	GROSS BETA, SUSP. TOTAL (PCI/L AS SR/YT-90) (80060)	RADIUM 226, DIS-SOLVED (PCI/L AS SR/METHOD) (09511)	URANIUM NATURAL, DIS-SOLVED (UG/L AS U) (22703)
NOV 15...	1.1	0.4	5.9	1.4	4.7	1.1	0.13	0.17

PASCAGOULA RIVER BASIN

02479160 BLACK CREEK NEAR WIGGINS, MS

LOCATION.--Lat 30°51'12", long 88°54'49", in SW4 sec.20, T.2 S., R.9 W., St. Stephens Meridian, Stone County, Hydrologic Unit 03170007, on left bank on downstream side of bridge on State Highway 26, 1.7 mi downstream from Flat Branch, 8.6 mi upstream from Sweetwater Creek, and 13.4 mi east of Wiggins.

DRAINAGE AREA.--701 mi².

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

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 48.94 ft above National Geodetic Vertical Datum of 1929. Prior to 1978 water year, at datum 0.05 ft lower.

REMARKS.--Estimated daily discharges: Oct. 1-3, Nov. 5-16. Records good except for estimated daily discharges, which are poor. Telemeter at station.

AVERAGE DISCHARGE.--19 years, 1,414 ft³/s, 27.39 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 43,900 ft³/s, Apr. 8, 1983, gage height, 28.81 ft, minimum, 100 ft³/s, Oct. 5, 1982, gage height, 3.85 ft, minimum gage height, 3.80 ft, Oct. 19, 20, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood (believed to be that of July 1916) reached a stage of 30.5 ft, from Mississippi State Highway Department plans. The flood of June 3, 1959, reached a stage of 25.88 ft, and the flood of Feb. 19, 1961, 25.83 ft from floodmarks, discharge, about 26,000 ft³/s, based on peak data at sites upstream and downstream.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 28	1430	11,100	21.79	May 15	0330	12,200	*22.39
Feb. 20	1530	*12,700	22.06	June 4	2200	9,770	21.36
Mar. 17	2300	11,100	21.94				

Minimum discharge, 203 ft³/s, Sept. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4000	371	887	5240	3070	2440	2340	935	1160	586	369	346
2	1800	373	774	4500	2590	2360	1930	884	3730	553	404	296
3	910	415	696	2350	2300	3170	2190	729	6100	477	364	256
4	656	464	638	1880	2640	2910	1880	658	9070	441	335	240
5	515	434	592	3010	2750	2430	1520	650	8720	434	318	230
6	440	404	570	4030	2390	2170	1360	646	4130	468	354	224
7	401	466	1060	4320	2750	1940	1240	613	2150	459	354	221
8	387	3200	4490	4850	2650	1740	1150	583	1790	447	312	213
9	368	6000	6460	4910	3310	1670	1090	967	1610	501	292	207
10	352	4400	5740	3240	4220	1640	1060	1750	1330	509	275	218
11	336	2800	2980	2320	5430	1580	1310	1260	1390	477	268	209
12	322	1500	2510	1910	4230	1490	1470	887	1620	508	260	270
13	318	1100	3720	1590	2750	1410	1250	4010	1210	578	253	305
14	324	1000	3120	1380	2380	1340	1130	10200	1000	667	247	374
15	327	2500	2210	1280	3650	1730	1750	11700	931	535	242	580
16	341	5780	2040	1220	3880	5530	1790	9980	834	464	238	401
17	946	5820	1670	1180	4570	10200	1360	7870	801	478	233	414
18	929	2860	1410	1390	4670	10600	1150	3640	768	640	226	375
19	864	1660	1690	3030	7630	8720	1050	2000	703	570	222	274
20	667	1270	3090	3030	12100	4990	970	1550	666	490	226	245
21	536	1050	2160	5120	11500	2900	941	1340	651	476	240	230
22	471	958	1590	6030	10100	2270	1040	1530	618	508	241	225
23	433	1370	1320	3750	11700	2010	1780	1750	662	486	386	261
24	405	1880	1140	2480	12000	1840	1450	1520	857	539	296	260
25	382	1370	1050	4800	10500	1710	1080	1370	723	484	298	230
26	360	1120	1030	8180	6050	1600	955	1130	632	448	312	225
27	347	963	1020	10400	3480	1510	895	965	570	405	325	223
28	338	943	1010	11000	2760	1430	981	1010	518	368	304	215
29	350	993	978	9960	---	1370	1020	1690	509	343	282	208
30	363	991	1120	6540	---	1630	1030	1670	542	334	289	207
31	369	---	2790	4310	---	2780	---	1180	---	320	347	---
TOTAL	19557	54455	61555	129230	148050	91110	40162	76667	55995	14993	9112	8182
MEAN	631	1815	1986	4169	5288	2939	1339	2473	1867	484	294	273
MAX	4000	6000	6460	11000	12100	10600	2340	11700	9070	667	404	580
MIN	318	371	570	1180	2300	1340	895	583	509	320	222	207
CFSM	.90	2.59	2.83	5.95	7.54	4.19	1.91	3.53	2.66	.69	.42	.39
IN.	1.04	2.89	3.27	6.86	7.86	4.83	2.13	4.07	2.97	.80	.48	.43
CAL YR 1989	TOTAL	487007	MEAN	1334	MAX	11500	MIN	231	CFSM	1.90	IN	25.84
WTR YR 1990	TOTAL	709068	MEAN	1943	MAX	12100	MIN	207	CFSM	2.77	IN	37.63

02479300 RED CREEK AT VESTRY, MS

LOCATION.--Lat 30°44'10", long 88°46'50", in SW4SW4 sec.34, T.3 S., R.8 W., St. Stephens Meridian, George County, Hydrologic Unit 03170007, located temporarily on left bank 80 ft downstream from bridge on county highway, 0.5 mi north of Vestry, and 1.1 mi upstream from Little Red Creek.

DRAINAGE AREA.--441 mi².

PERIOD OF RECORD.--July 1958 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 20.10 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Oct. 1-3, Dec. 30 to Jan. 4, May 14 to June 14 and June 20 to July 24. Records good except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--32 years, 870 ft³/s, 26.79 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 28,000 ft³/s, Aug. 15, 1987, gage height, 21.48 ft, minimum discharge, 88 ft³/s, Oct. 22, 1963, gage height, 3.22 ft.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 10	0730	5,370	14.44	Feb. 12	1300	4,530	13.96
Nov. 17	1430	4,110	13.73	Feb. 24	0900	6,950	15.31
Dec. 10	1430	4,670	14.04	Mar. 18	0900	6,870	15.27
Jan. 22	2130	4,240	13.80	May 15	unknown	*15,000	^a *18.47
Jan. 27	2030	4,600	14.00	June 4	----	11,000	unknown

^afrom floodmark.

Minimum discharge, 151 ft³/s, Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2650	211	632	3950	1560	1530	1750	523	840	350	212	194
2	1150	218	538	3000	1320	1430	1320	472	2200	310	235	219
3	525	287	497	1850	1140	1680	999	437	4850	275	245	220
4	389	316	456	1600	1730	1720	976	412	7500	260	296	209
5	313	290	431	1550	2690	1480	889	414	5300	250	273	205
6	269	273	420	2410	2140	1260	758	420	2650	270	248	194
7	243	323	447	3270	1800	1100	686	389	1370	260	232	180
8	232	2830	1960	3610	1720	1020	637	369	950	255	232	172
9	226	4820	3860	3580	1760	972	600	475	880	275	221	163
10	219	5220	4580	2670	2650	968	589	1520	750	290	210	158
11	208	3690	3770	1770	3900	954	828	1250	795	265	198	157
12	200	1470	1980	1250	4430	899	895	730	1280	280	190	175
13	196	811	1720	1000	3490	852	749	2700	650	310	184	200
14	197	637	1660	865	1980	815	656	8500	490	480	180	202
15	216	1130	1370	800	3760	923	1950	14000	445	315	177	202
16	223	3300	1210	745	4430	3370	1930	10100	407	265	174	206
17	282	4030	1080	713	4230	5590	1170	6200	383	275	170	212
18	669	2760	908	733	3680	6740	809	3300	363	400	167	202
19	726	1340	852	916	4260	5850	660	1980	347	320	163	183
20	480	898	1290	1140	5000	4350	593	1200	335	295	163	168
21	372	737	1370	2790	6330	2330	563	850	330	285	233	161
22	321	661	1150	4080	6210	1510	565	1100	328	300	214	158
23	292	846	857	3700	5940	1260	1080	1280	390	280	212	170
24	272	1030	690	2060	6770	1130	1290	1050	750	294	215	214
25	257	878	616	2240	5820	1030	878	840	420	341	193	177
26	246	712	605	3880	4380	946	647	750	370	315	182	166
27	237	620	612	4470	2510	876	568	660	340	270	185	161
28	229	634	609	4510	1760	817	637	705	310	246	222	157
29	223	1050	596	3390	---	778	648	1500	300	233	220	154
30	218	919	650	2220	---	1010	586	1400	320	224	197	152
31	214	---	2200	1890	---	1560	---	800	---	215	183	---
TOTAL	12494	42941	39616	72652	97390	56750	26906	66326	36643	9003	6426	5491
MEAN	403	1431	1278	2344	3478	1831	897	2140	1221	290	207	183
MAX	2650	5220	4580	4510	6770	6740	1950	14000	7500	480	296	220
MIN	196	211	420	713	1140	778	563	369	300	215	163	152
CFSM	.91	3.25	2.90	5.32	7.89	4.15	2.03	4.85	2.77	.66	.47	.42
IN.	1.05	3.62	3.34	6.13	8.22	4.79	2.27	5.59	3.09	.76	.54	.46
CAL YR 1989	TOTAL	310034	MEAN	849	MAX	6460	MIN	140	CFSM	1.93	IN	26.15
WTR YR 1990	TOTAL	472638	MEAN	1295	MAX	14000	MIN	152	CFSM	2.94	IN	39.87

PASCAGOULA RIVER BASIN

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS
(National stream-quality accounting station)

LOCATION.--Lat 30°48'32", long 88°27'41", in SW4SW4 sec. 2, T. 3 S., R. 5 W., George County, MS, Hydrologic Unit 03170008, near left bank on downstream side of bridge on county road 612, 2.5 mi west of Alabama-Mississippi State line, 3.7 mi east of Agricola, Miss., 4.8 mi downstream of old gage at Escatawpa River near Wilmer, Ala, 6.7 mi west of Wilmer, and 50.6 mi upstream from mouth.

DRAINAGE AREA.--562 mi².

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

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

GAGE.--Water-stage recorder. Elevation of gage is 50 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Estimated daily discharges: Feb. 28 to Mar. 17. Water-discharge records good except those for period of estimated record, which are poor.

AVERAGE DISCHARGE.--17 years, 1,229 ft³/s, 29.70 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 33,700 ft³/s, Apr. 9, 1983, gage height, 22.39 ft; minimum, 100 ft³/s, June 8, 1985.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1929 reached an elevation of 72.0 ft + 1.0 ft, National Geodetic Vertical datum of 1929, as determined from historical data. Peak discharge of this flood is unknown but in all probability has not been exceeded since 1929.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 9	1000	6,890	15.45	Feb. 22	1000	11,100	17.18
Jan. 2	0200	5,730	14.84	Mar. 17	1600	*14,300	*18.17
Jan. 26	0500	6,630	15.32	May 15	0700	10,200	16.85

Minimum discharge, 136 ft³/s, Sept. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	446	171	775	4700	2250	e1800	1670	993	633	314	206	267
2	401	191	711	5100	1910	e1600	1560	764	2140	286	315	245
3	348	349	628	3310	1710	e2200	1600	640	3970	266	270	275
4	281	316	559	3180	2040	e2100	1700	565	2510	256	232	262
5	239	276	513	3420	2250	e1800	1600	627	1650	251	210	248
6	217	256	483	3650	1870	e1600	1380	601	1180	245	853	209
7	209	1130	512	3600	1870	e1500	1290	531	1080	248	1030	186
8	226	3890	2630	3480	1770	e1400	1200	483	1450	257	577	172
9	202	6340	4040	3280	1850	e1300	1050	610	1250	290	396	165
10	189	3060	4150	3080	2930	e1300	918	908	1010	304	308	159
11	181	1610	3730	2720	4030	e1200	1070	859	996	400	252	168
12	174	1330	3320	2220	3490	e1150	1050	751	729	356	224	199
13	176	1170	2910	1790	2810	e1100	947	2860	607	315	207	213
14	228	954	2320	1480	2470	e1050	892	8180	514	298	194	210
15	227	1350	1830	1260	3560	e2200	2100	10100	453	289	185	229
16	215	2370	1660	1110	4540	e9000	2590	9920	413	260	178	228
17	437	2130	1470	992	4830	e14000	1620	8920	396	283	172	191
18	462	1690	1280	985	5090	12500	1180	5760	380	432	167	170
19	437	1470	1220	1310	7520	11200	1060	2550	358	582	164	157
20	345	1320	1740	1530	10300	10900	1040	1530	367	534	162	151
21	294	1080	2040	3460	10800	8680	967	1210	454	530	167	149
22	261	882	1950	4770	10900	4430	827	1620	649	486	179	146
23	240	924	1520	4670	9390	2470	863	1400	642	383	255	149
24	224	984	1240	4760	6620	1900	950	1270	1010	310	284	155
25	210	1020	1050	5820	4400	1610	1040	1050	963	284	299	151
26	200	1000	961	6500	3680	1420	857	838	625	276	255	147
27	191	963	902	5660	2850	1280	714	723	433	250	466	143
28	184	913	825	5330	e2100	1170	1320	681	350	230	306	138
29	178	972	761	5540	---	1100	1660	686	321	217	238	136
30	173	865	763	4330	---	1240	1300	672	329	204	221	138
31	171	---	1800	2920	---	1610	---	663	---	198	281	---
TOTAL	7966	40976	50293	105957	119830	107810	38020	68965	27862	9834	9253	5556
MEAN	257	1366	1622	3418	4280	3478	1267	2225	929	317	298	185
MAX	462	6340	4150	6500	10900	14000	2590	10100	3970	582	1030	275
MIN	171	171	483	985	1710	1050	714	483	321	198	162	136
CFM	.46	2.43	2.89	6.08	7.62	6.19	2.26	3.96	1.65	.56	.53	.33
IN.	.53	2.71	3.33	7.01	7.93	7.14	2.52	4.56	1.84	.65	.61	.37

CAL YR 1989 TOTAL 374124 MEAN 1025 MAX 6340 MIN 152 CFM 1.82 IN. 24.76
WTR YR 1990 TOTAL 592322 MEAN 1623 MAX 14000 MIN 136 CFM 2.89 IN. 39.21

e Estimated

02481000 BILOXI RIVER AT WORTHAM, MS

LOCATION.--Lat 30°33'30", long 89°07'20", in SE4SE4 sec.31, T.5 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on downstream side of right main pier of upstream bridge of dual bridges on U.S. Highway 49, 0.8 mi east of Wortham, 1.3 mi downstream from Illinois Central Railroad bridge, 1.1 mi upstream from Saucier Creek, 4.2 mi north of Lyman, and 18.8 mi upstream from mouth.

DRAINAGE AREA.--96.2 mi².

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

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

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

REMARKS.--Estimated daily discharges: Oct. 9-12, Apr. 8-10, Apr. 30 to May 2, July 13-23. Records good except for estimated daily discharges, which are poor. Telemeter at station.

AVERAGE DISCHARGE.--38 years, 196 ft³/s, 27.67 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 10,300 ft³/s, Apr. 8, 1983, gage height, 25.30 ft present datum, minimum, 1.1 ft³/s, Oct. 21, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1948 reached a stage of 25.3 ft present datum, from information by Mississippi State Highway Department. Floods in 1916 and 1928 reached approximately the same stage and were at least 8.5 ft higher than that of Sept. 18, 1957, at a point about 1 mi upstream, from information by local residents.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 08	1945	2,810	12.31	Mar.16	1830	2,240	10.61
Jan. 21	0445	2,040	10.00	May 13	2130	*6,560	*20.24
Feb. 22	1115	2,950	14.31				

Minimum discharge, 2.3 ft³/s, Sept. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	162	8.3	117	990	200	208	251	50	118	14	6.1	29
2	77	12	95	400	180	301	147	40	426	14	5.7	18
3	50	21	82	235	169	366	113	36	235	13	11	13
4	34	28	72	210	652	230	93	34	125	13	10	10
5	24	28	66	341	478	172	80	38	90	15	7.8	9.5
6	19	21	64	825	307	150	71	36	117	13	8.1	8.5
7	16	60	183	839	443	137	66	31	72	12	8.8	8.1
8	18	1790	1280	855	350	128	56	27	55	26	14	6.6
9	21	1950	927	507	487	125	54	160	55	19	12	5.3
10	18	831	480	298	897	125	65	272	59	16	8.7	4.4
11	15	251	263	227	1070	118	377	147	72	16	7.0	3.9
12	12	159	295	185	609	109	191	67	67	29	6.0	4.2
13	9.1	119	379	152	307	103	102	3190	46	23	5.2	5.4
14	23	108	242	131	348	98	120	5240	35	20	4.5	6.3
15	35	385	179	121	1330	376	1120	1520	29	18	3.8	17
16	24	1070	165	116	1250	1820	339	442	26	17	3.5	22
17	70	636	152	112	809	1770	176	268	23	16	2.9	13
18	100	256	128	141	542	1040	123	195	21	16	2.8	7.7
19	76	171	153	264	1700	412	96	150	19	15	3.3	5.4
20	50	134	229	461	1290	274	83	139	23	24	4.2	4.6
21	33	112	184	1690	718	214	75	163	68	32	6.9	4.1
22	25	120	130	1030	2380	185	79	228	34	25	16	3.7
23	21	380	102	442	1670	163	364	237	28	20	94	3.5
24	18	268	85	297	804	146	254	123	39	17	42	2.8
25	16	163	82	941	406	129	123	89	74	13	18	2.6
26	14	128	90	949	310	114	84	72	39	11	12	2.7
27	12	111	92	509	263	102	69	62	27	9.3	10	2.6
28	11	207	88	301	232	94	85	70	20	8.5	8.8	2.7
29	10	261	83	320	---	90	88	137	17	7.6	6.0	3.0
30	9.1	173	93	353	---	135	58	112	15	7.3	5.4	3.2
31	8.7	---	581	253	---	430	---	70	---	7.2	30	---
TOTAL	1030.9	9961.3	7161	14495	20201	9864	5002	13445	2074	506.9	384.5	232.8
MEAN	33.3	332	231	468	721	318	167	434	69.1	16.4	12.4	7.76
MAX	162	1950	1280	1690	2380	1820	1120	5240	426	32	94	29
MIN	8.7	8.3	64	112	169	90	54	27	15	7.2	2.8	2.6
CFSM	.35	3.45	2.40	4.87	7.50	3.31	1.74	4.51	.72	.17	.13	.08
IN.	.40	3.85	2.77	5.61	7.81	3.81	1.93	5.20	.80	.20	.15	.09
CAL YR 1989	TOTAL	76125.2	MEAN 209	MAX 2650	MIN 8.3	CFSM 2.17	IN 29.44					
WTR YR 1990	TOTAL	84358.4	MEAN 231	MAX 5240	MIN 2.6	CFSM 2.40	IN 32.62					

WOLF RIVER BASIN

02481510 WOLF RIVER NEAR LANDON, MS

LOCATION.--Lat 30°29'00", long 89°16'28", in NE¼ sec.34, T.6 S., R.13 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on left bank at downstream side of bridge on county highway, 0.3 mi downstream from Sandy Creek, 1.3 mi upstream from Pole Branch, and 11.2 mi northwest of Landon.

DRAINAGE AREA.--308 mi².

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

GAGE.--Water-stage recorder. Datum of gage is 19.34 ft above National Geodetic Vertical Datum of 1929. Prior to Oct. 18, 1978, at datum 2.00 ft higher.

REMARKS.--Estimated daily discharges: June 15-23, June 27 to July 23 and Sept. 25-30. Records good except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--19 years, 658 ft³/s, 29.02 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,400 ft³/s, Apr. 8, 1983, gage height, 21.53 ft, minimum daily, 37 ft³/s, June 9, 1985.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 8	2100	6,190	11.69	Feb. 20	0800	6,600	12.18
Dec. 9	0400	5,620	10.98	Feb. 22	0930	7,870	13.64
Jan. 21	0500	4,090	8.92	Mar. 17	0330	6,410	11.96
Feb. 11	0200	4,330	9.26	May 13	1930	*12,900	*17.82
Feb. 15	0300	5,140	10.36	June 2	0030	4,120	8.96

Minimum daily discharge, 46 ft³/s, Sept. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	300	102	317	2140	943	911	998	246	1130	145	82	181
2	261	116	278	1720	804	1150	665	207	2740	135	84	128
3	203	163	253	1170	724	1490	504	189	2050	115	84	102
4	160	176	233	884	1590	1160	466	179	1730	105	89	91
5	135	151	221	1450	1640	965	423	180	981	102	88	96
6	120	134	218	2260	1110	781	365	174	742	110	104	82
7	113	261	596	2310	1290	688	335	164	443	114	164	77
8	118	3900	4500	2480	1170	638	311	152	444	112	104	70
9	124	4030	4730	1830	1620	618	292	459	567	115	90	65
10	114	1830	2230	1330	2580	670	310	1010	383	117	82	62
11	106	872	1330	1000	3710	610	681	526	445	105	78	61
12	101	498	1120	772	2040	552	521	294	324	110	75	76
13	101	378	1360	625	1260	517	378	6630	240	125	73	94
14	202	339	1090	532	1140	488	409	11600	213	155	71	86
15	402	2730	918	492	4460	789	1530	5780	190	130	70	85
16	219	3380	842	471	2900	4280	937	1760	160	102	69	85
17	366	1920	697	458	2070	6030	560	972	148	108	69	87
18	1280	1110	580	533	1660	3810	412	646	145	148	69	75
19	494	712	628	888	5350	2090	337	481	142	123	68	65
20	285	501	1040	1340	6140	1340	303	455	139	110	77	60
21	216	418	887	3560	3160	963	283	417	133	115	93	56
22	181	409	636	2060	6710	797	267	792	130	110	96	56
23	160	1030	483	1280	6710	703	323	797	160	140	112	57
24	145	799	398	979	3510	633	396	441	510	135	97	54
25	134	522	365	2370	1900	573	316	312	373	133	99	52
26	126	419	380	3280	1380	522	263	244	239	125	92	--
27	120	364	390	2830	1130	477	241	211	155	107	89	50
28	114	415	378	1510	1000	443	306	242	135	96	97	48
29	110	617	361	1200	---	424	375	530	130	89	79	46
30	107	423	416	1330	---	593	315	485	130	84	79	50
31	104	---	1290	1100	---	1460	---	310	---	82	261	---
TOTAL	6721	28719	29165	46184	69701	37165	13822	36885	15451	3602	2884	2248
MEAN	217	957	941	1490	2489	1199	461	1190	515	116	93.0	74.9
MAX	1280	4030	4730	3560	6710	6030	1530	11600	2740	155	261	181
MIN	101	102	218	458	724	424	241	152	130	82	68	46
CFSM	.71	3.11	3.06	4.84	8.08	3.89	1.50	3.86	1.67	.38	.30	.24
IN.	.81	3.47	3.52	5.58	8.42	4.49	1.67	4.45	1.87	.44	.35	.27

CAL YR 1989	TOTAL	226910	MEAN 622	MAX 6350	MIN 89	CFSM 2.02	IN 27.41
WTR YR 1990	TOTAL	292547	MEAN 801	MAX 11600	MIN 46	CFSM 2.60	IN 35.33

02481880 PEARL RIVER AT BURNSIDE, MS

LOCATION.--Lat 32°50'27", long 89°05'51", in NE¼ sec.6, T.11 N., R.12 E., Choctaw Meridian, Neshoba County, Hydrologic Unit 03180001, on right bank at downstream edge of roadway at bridge on State Highway 15, 2.4 mi upstream from Illinois Central and Gulf railroad, 4.8 mi north of Philadelphia and 0.9 mi south of Burnside.

DRAINAGE AREA.--520 mi².

PERIOD OF RECORD.--January 1981 to current year.

GAGE.--Water-stage recorder. Datum of gage is 376.30 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Dec. 12 to Jan 12. Records good except for estimated daily discharges, which are poor. Telemeter at station.

AVERAGE DISCHARGE.--9 years, 670 ft³/s, 17.71 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,800 ft³/s, May 21, 1983, gage height, 19.77 ft, minimum daily, 0.47 ft³/s, Sept. 28, 1987.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,900 ft³/s, Feb. 17, gage height, 16.51 ft, minimum discharge, 1.8 ft³/s, Sept. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	261	8.9	925	562	1920	1040	440	369	107	21	29	2.0
2	364	8.4	740	598	1610	1250	800	322	95	22	9.8	2.5
3	482	8.3	589	650	1500	2440	991	231	214	48	7.7	2.6
4	562	8.7	475	962	3160	3940	1530	172	631	45	8.4	2.8
5	578	8.2	385	1480	5220	3190	1360	143	710	30	7.4	2.8
6	539	58	316	3000	5190	2290	1100	117	1520	19	6.5	2.6
7	474	418	280	6200	3290	1680	930	108	1560	13	5.3	2.6
8	386	756	461	8500	2060	1300	782	105	1210	9.9	4.0	2.7
9	295	2560	599	6500	1720	1090	659	117	941	16	3.4	3.1
10	204	2920	739	5000	1800	934	553	154	701	12	2.9	3.7
11	131	2480	1020	4350	2220	801	515	148	502	9.6	2.8	4.8
12	82	1950	936	2950	3570	700	460	143	340	19	2.6	5.7
13	51	1500	936	1800	3190	620	418	330	205	50	2.8	5.6
14	35	1250	988	1390	2300	542	382	409	129	36	3.1	5.0
15	25	1050	1010	1140	2310	541	367	455	87	24	2.7	4.8
16	18	871	1040	945	7440	1080	345	476	66	19	2.6	4.4
17	17	700	1010	806	14000	2560	320	469	51	16	2.4	4.3
18	115	549	962	1030	9540	4290	296	418	42	16	2.6	4.3
19	60	431	910	1460	4840	3290	268	334	51	13	2.4	4.0
20	39	372	894	2980	2790	2070	233	217	72	11	2.2	3.9
21	69	347	832	5580	1960	1510	201	150	74	12	2.0	3.6
22	128	370	780	6910	2060	1200	181	173	66	19	2.2	3.7
23	217	725	728	5920	2480	974	164	251	76	15	2.6	3.4
24	250	865	598	3850	3170	805	147	324	76	16	2.9	3.2
25	185	2080	478	3500	2740	670	131	337	63	13	2.8	3.2
26	82	2900	442	3800	2030	557	115	274	52	11	2.5	3.8
27	39	2430	421	4370	1530	469	101	185	42	9.9	2.4	4.1
28	26	1910	390	3380	1230	393	252	153	36	9.5	2.7	3.7
29	16	1440	374	2450	---	342	331	135	28	8.2	2.5	3.2
30	9.0	1150	395	2060	---	341	369	127	23	6.6	2.3	3.2
31	8.0	---	468	1940	---	363	---	114	---	5.6	2.1	---
TOTAL	5747.0	32124.5	21121	96063	96870	43272	14741	7460	9770	575.3	137.6	109.3
MEAN	185	1071	681	3099	3460	1396	491	241	326	18.6	4.44	3.64
MAX	578	2920	1040	8500	14000	4290	1530	476	1560	50	29	5.7
MIN	8.0	8.2	280	562	1230	341	101	105	23	5.6	2.0	2.0
CFSM	.36	2.06	1.31	5.96	6.65	2.69	.94	.46	.63	.04	.009	.007
IN.	.41	2.30	1.51	6.87	6.93	3.10	1.05	.53	.70	.04	.01	.01
CAL YR 1989	TOTAL	333468.8	MEAN	914	MAX	7610	MIN	4.0	CFSM	1.76	IN	23.86
WTR YR 1990	TOTAL	327990.7	MEAN	899	MAX	14000	MIN	2.0	CFSM	1.73	IN	23.46

PEARL RIVER BASIN

02481880 PEARL RIVER AT BURNSIDE, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.92	4.70	11.50	9.65	12.85	11.77	9.41	8.95	6.46	4.98	5.17	4.35
2	8.75	4.68	10.95	9.65	12.59	12.14	11.14	8.58	6.31	4.99	4.69	4.39
3	9.58	4.68	10.32	9.65	12.48	13.10	11.64	7.80	7.41	5.56	4.61	4.40
4	10.06	4.69	9.69	9.65	13.46	13.77	12.51	7.22	10.51	5.49	4.64	4.40
5	10.14	4.67	9.07	9.65	14.19	13.48	12.32	6.90	10.82	5.18	4.61	4.40
6	9.95	5.57	8.53	9.65	14.19	13.08	11.88	6.59	12.44	4.91	4.57	4.39
7	9.57	9.31	8.23	9.65	13.52	12.66	11.52	6.48	12.55	4.72	4.52	4.38
8	8.98	10.92	9.58	---	12.94	12.24	11.10	6.45	12.09	4.63	4.46	4.38
9	8.29	13.17	10.37	14.87	12.69	11.87	10.63	6.59	11.54	4.82	4.42	4.40
10	7.49	13.38	10.94	14.72	12.76	11.53	10.15	7.03	10.80	4.70	4.40	4.45
11	6.73	13.18	11.72	14.72	13.03	11.16	9.93	6.96	9.84	4.61	4.40	4.49
12	6.11	12.87	11.92	13.95	13.63	10.80	9.60	6.91	8.71	4.89	4.39	4.53
13	5.63	12.49	12.52	12.75	13.48	10.47	9.31	8.62	7.55	5.56	4.41	4.53
14	5.34	12.15	12.52	12.37	13.08	10.09	9.04	9.24	6.73	5.31	4.43	4.50
15	5.13	11.78	12.52	11.96	13.06	10.06	8.93	9.56	6.19	5.03	4.40	4.48
16	4.97	11.36	12.52	11.56	14.82	11.78	8.76	9.70	5.88	4.92	4.40	4.46
17	4.97	10.80	12.52	11.18	16.32	13.15	8.57	9.66	5.63	4.83	4.39	4.46
18	6.61	10.12	12.52	11.72	15.36	13.90	8.37	9.31	5.45	4.83	4.41	4.45
19	5.86	9.40	12.52	12.44	14.07	13.52	8.13	8.68	5.63	4.75	4.40	4.43
20	5.50	8.97	12.52	13.35	13.32	12.94	7.82	7.66	5.98	4.70	4.39	4.42
21	6.01	8.78	12.52	14.31	12.88	12.50	7.51	6.99	6.01	4.71	4.38	4.41
22	6.80	8.94	12.52	14.70	12.94	12.06	7.32	7.23	5.88	4.94	4.40	4.41
23	7.75	10.87	12.52	14.42	13.18	11.62	7.13	7.98	6.03	4.84	4.43	4.39
24	8.07	11.35	12.52	13.74	13.48	11.17	6.94	8.60	6.03	4.86	4.44	4.37
25	7.43	12.80	12.52	13.61	13.30	10.68	6.76	8.70	5.83	4.77	4.43	4.37
26	6.20	13.37	12.52	13.72	12.92	10.17	6.57	8.18	5.64	4.70	4.41	4.40
27	5.48	13.16	12.52	13.92	12.52	9.65	6.40	7.35	5.46	4.67	4.40	4.41
28	5.19	12.84	12.52	13.56	12.12	9.12	7.94	7.02	5.34	4.66	4.41	4.39
29	4.95	12.41	12.52	13.17	---	8.74	8.66	6.81	5.15	4.61	4.40	4.35
30	4.70	11.98	11.05	12.94	---	8.73	8.95	6.72	5.03	4.55	4.39	4.36
31	4.67	---	9.59	12.87	---	8.90	---	6.56	---	4.51	4.36	---
MEAN	6.93	10.18	11.49	---	13.40	11.51	9.16	7.78	7.50	4.88	4.47	4.42
MAX	10.14	13.38	12.52	---	16.32	13.90	12.51	9.70	12.55	5.56	5.17	4.53
MIN	4.67	4.67	8.23	---	12.12	8.73	6.40	6.45	5.03	4.51	4.36	4.35

02482000 PEARL RIVER AT EDINBURG, MS

LOCATION.--Lat 32°47'55", long 89°20'10", in SW4SW4 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 mi².

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 National Geodetic Vertical Datum 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, except for the period of July 18-Aug.22, which is fair. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--62 years, 1,168 ft³/s, 17.54 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 77,900 ft³/s, Apr. 14, 1979, gage height, 30.06 ft, minimum, 1.7 ft³/s, Oct. 5, 1954, gage height, 1.02 ft.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 9	0930	14,100	24.35	Feb. 18	1100	*22,300	* 25.76
Jan. 23	0830	11,100	23.47	Mar. 6	0830	5,210	19.73
Feb. 7	0930	7,990	21.93	Mar. 20	1330	5,180	19.70

Minimum discharge, 14 ft³/s, Sept. 3 - 4, 5, 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	631	61	2220	1090	4330	3170	1290	872	439	107	77	15
2	813	53	1820	1180	3600	3990	1730	784	539	96	137	15
3	748	48	1470	1220	3410	4130	1810	720	971	208	160	15
4	641	44	1210	2180	5010	4340	1840	625	1690	190	123	14
5	620	40	995	2980	5970	4790	1850	534	1720	182	103	15
6	635	176	809	5010	7420	5170	2040	454	1650	152	82	15
7	639	777	739	7970	7880	4810	2100	403	1440	120	64	16
8	614	1050	1120	12200	7070	4140	1900	367	1510	91	52	16
9	552	1430	1370	13800	6140	3350	1630	388	1720	119	43	15
10	469	1700	1710	12200	5590	2750	1450	414	1670	78	36	44
11	380	2340	1630	10200	5100	2280	1430	469	1420	75	32	64
12	295	2880	1510	8090	4690	1940	1270	484	1140	158	31	60
13	221	2940	1520	6250	4430	1700	1140	791	836	235	28	59
14	168	2680	1700	4800	4590	1510	1020	863	588	284	29	49
15	131	2240	1840	3610	5100	1600	974	1040	429	288	26	37
16	105	1930	1770	2700	7950	2400	889	925	372	214	25	31
17	107	1670	1600	2070	16800	2970	839	833	447	160	25	26
18	127	1660	1430	2740	21700	3860	779	792	389	128	24	23
19	292	1410	1380	3100	17900	4550	709	718	344	101	24	21
20	463	1080	1320	4050	12100	5120	655	641	325	86	23	19
21	404	817	1280	5890	8470	4770	613	573	309	76	23	18
22	300	909	1190	9370	6880	3970	591	603	271	103	25	18
23	261	1740	1040	11000	5990	3090	569	534	329	134	26	20
24	275	1790	907	10300	5740	2420	542	559	294	154	25	18
25	309	2140	807	10100	5240	1930	536	550	265	137	23	17
26	305	1940	771	9610	4930	1610	480	526	251	114	22	16
27	249	2020	727	8850	4460	1400	467	559	198	90	20	16
28	181	2560	680	7600	3800	1230	1230	663	167	72	19	16
29	133	2710	679	6950	---	1090	1020	500	148	62	18	15
30	99	2560	770	6070	---	1140	1010	446	127	53	17	15
31	77	---	928	5190	---	1160	---	415	---	60	16	---
TOTAL	11244	45395	38942	198370	202290	92380	34403	19045	21998	4127	1378	738
MEAN	363	1513	1256	6399	7225	2980	1147	614	733	133	44.5	24.6
MAX	813	2940	2220	13800	21700	5170	2100	1040	1720	288	160	64
MIN	77	40	679	1090	3410	1090	467	367	127	53	16	14
CFSM	.40	1.67	1.39	7.08	7.99	3.30	1.27	.68	.81	.15	.05	.03
IN.	.46	1.87	1.60	8.16	8.32	3.80	1.42	.78	.91	.17	.06	.03
CAL YR 1989	TOTAL	591878	MEAN	1622	MAX	9590	MIN	19	CFSM	1.79	IN	24.36
WTR YR 1990	TOTAL	670310	MEAN	1836	MAX	21700	MIN	14	CFSM	2.03	IN	27.58

PEARL RIVER BASIN
02482000 PEARL RIVER AT EDINBURG, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.07	2.77	13.75	9.44	18.59	16.64	10.29	8.38	5.94	3.52	3.22	2.08
2	8.08	2.68	12.36	9.86	17.47	18.06	12.04	7.92	6.55	3.42	3.78	2.08
3	7.73	2.61	11.06	10.02	17.09	18.28	12.36	7.57	8.51	4.36	3.98	2.06
4	7.13	2.55	9.97	13.58	19.50	18.61	12.44	7.04	11.89	4.24	3.66	2.05
5	7.00	2.49	8.99	15.97	20.45	19.23	12.50	6.52	12.02	4.18	3.47	2.07
6	7.09	3.71	8.05	19.47	21.57	19.68	13.15	6.04	11.76	3.94	3.26	2.06
7	7.11	7.88	7.67	21.83	21.86	19.25	13.37	5.71	10.93	3.68	3.06	2.07
8	6.97	9.22	9.57	23.87	21.34	18.30	12.66	5.46	11.21	3.43	2.91	2.07
9	6.62	10.91	10.65	24.29	20.62	17.00	11.70	5.60	12.03	3.68	2.78	2.02
10	6.13	11.94	11.98	23.87	20.13	15.41	10.97	5.79	11.82	3.32	2.67	2.54
11	5.55	14.13	11.68	23.06	19.60	13.95	10.88	6.13	10.84	3.29	2.60	2.88
12	4.93	15.81	11.22	21.97	19.11	12.81	10.22	6.23	9.64	4.00	2.56	2.83
13	4.36	15.99	11.25	20.70	18.74	11.94	9.66	7.95	8.19	4.55	2.51	2.82
14	3.87	15.20	11.94	19.22	18.98	11.23	9.10	8.32	6.83	4.88	2.53	2.69
15	3.50	13.82	12.46	17.45	19.58	11.54	8.89	9.20	5.88	4.91	2.47	2.51
16	3.24	12.79	12.22	15.26	21.82	14.34	8.47	8.65	5.49	4.43	2.44	2.39
17	3.26	11.83	11.56	13.25	24.83	16.04	8.21	8.18	5.99	4.02	2.42	2.29
18	3.46	11.78	10.90	15.38	25.68	17.88	7.90	7.96	5.62	3.75	2.40	2.21
19	4.89	10.80	10.69	16.45	25.08	18.90	7.51	7.56	5.30	3.53	2.39	2.15
20	6.10	9.38	10.43	18.11	23.78	19.63	7.21	7.12	5.16	3.37	2.36	2.09
21	5.71	8.09	10.28	20.38	22.18	19.20	6.96	6.74	5.04	3.26	2.36	2.07
22	4.97	8.44	9.89	22.64	21.21	18.04	6.84	6.91	4.78	3.52	2.40	2.06
23	4.68	12.08	9.18	23.41	20.49	16.39	6.72	6.52	5.19	3.79	2.41	2.10
24	4.79	12.26	8.56	23.15	20.26	14.41	6.57	6.67	4.94	3.95	2.39	2.05
25	5.04	13.50	8.05	23.04	19.76	12.76	6.54	6.62	4.74	3.80	2.35	2.01
26	5.01	12.81	7.85	22.81	19.40	11.59	6.20	6.47	4.65	3.61	2.31	1.99
27	4.58	13.09	7.61	22.41	18.78	10.76	6.10	6.66	4.26	3.38	2.25	1.98
28	4.00	14.84	7.35	21.69	17.78	10.04	10.03	7.25	4.01	3.19	2.22	1.95
29	3.52	15.32	7.34	21.26	---	9.45	9.10	6.32	3.85	3.07	2.19	1.94
30	3.18	14.84	7.85	20.57	---	9.65	9.05	5.99	3.68	2.97	2.16	1.93
31	2.94	---	8.65	19.70	---	9.75	---	5.79	---	3.05	2.12	---
MEAN	5.24	10.45	10.03	19.16	20.56	15.19	9.45	6.94	7.22	3.74	2.67	2.20
MAX	8.08	15.99	13.75	24.29	25.68	19.68	13.37	9.20	12.03	4.91	3.98	2.88
MIN	2.94	2.49	7.34	9.44	17.09	9.45	6.10	5.46	3.68	2.97	2.12	1.93
CAL YR 1989	MEAN	10.23	MAX	22.80	MIN	2.07						
WTR YR 1990	MEAN	9.34	MAX	25.68	MIN	1.93						

02482550 PEARL RIVER NEAR CARTHAGE, MS

LOCATION.--Lat 32°42'25", long 89°31'35", in NE4NE4 sec.24, T.10 N., R.7 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on right bank at downstream side of bridge on State Highway 35, 2.1 mi south of Carthage, 4.0 mi downstream from Lobutch Creek, 10.8 mi upstream from Tuscolameta Creek, and at mile 366.3.

DRAINAGE AREA.--1,346 mi².

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

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

GAGE.--Water-stage recorder. Datum of gage is 315.24 ft above National Geodetic Vertical Datum of 1929.

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

AVERAGE DISCHARGE.--28 years, 2,011 ft³/s, 20.29 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 102,000 ft³/s, Apr. 14, 1979, gage height 28.74 ft, minimum 31 ft³/s, Oct. 30, 1963, gage height, 2.36 ft, minimum gage height, 1.63 ft, July 2, 1988.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 28,400 ft³/s, Feb. 19, gage height, 23.79, minimum, 66 ft³/s, Sept. 4, 5, 6, 7-10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1030	151	3230	1840	8010	5890	1880	1970	716	211	243	69
2	1070	139	2700	2240	6860	7550	2470	1620	836	200	196	68
3	1130	131	2170	2470	6480	8810	3010	1310	1290	294	215	67
4	985	124	1750	3870	9480	9190	3230	1010	2970	304	221	67
5	802	121	1450	5690	8960	8950	3000	883	3350	265	203	66
6	725	146	1220	8730	8920	8400	2800	777	3600	247	193	68
7	704	992	1110	10400	9660	7890	2680	675	3390	225	169	66
8	683	1810	1780	13900	10100	7190	2560	613	3020	206	150	66
9	641	2630	2170	16500	10400	6270	2300	587	2850	209	134	66
10	576	2560	2460	18300	10300	5220	1990	606	2490	265	124	73
11	498	2540	2590	17100	9400	4290	1920	592	1980	206	117	87
12	420	2800	2450	14200	8600	3530	1810	630	1610	193	110	125
13	347	3080	2320	11200	8200	2980	1610	959	1270	331	107	128
14	290	3160	2310	8930	7700	2570	1440	1140	934	356	104	131
15	246	2970	2330	7080	8160	2530	1380	1280	698	381	104	120
16	218	2850	2300	5410	11000	3550	1300	1290	562	352	101	107
17	209	2440	2130	4110	12500	3970	1170	1120	725	291	100	96
18	209	2140	1910	4650	19000	4380	1060	1030	1090	251	95	87
19	217	1960	1830	5550	27500	4970	962	936	736	224	93	82
20	359	1610	1830	7550	23300	5580	881	833	521	201	93	79
21	466	1250	1760	10500	16900	6170	825	754	480	182	93	74
22	410	1320	1680	10900	13600	6010	833	845	434	175	89	74
23	339	3000	1490	12500	11000	5180	788	929	426	203	89	78
24	312	3290	1210	14200	9430	4290	728	915	446	256	89	86
25	348	3540	1110	15900	8490	3340	710	842	392	238	87	75
26	362	3740	1030	14700	7740	2600	673	735	355	218	83	73
27	328	3710	981	13300	7170	2160	733	802	321	194	81	72
28	282	3750	946	11900	6570	1870	2520	1280	279	173	79	72
29	235	3900	948	10900	---	1670	2650	1140	249	158	76	72
30	198	3750	1120	10200	---	1650	2400	907	229	145	74	71
31	170	---	1300	9250	---	1850	---	756	---	155	71	---
TOTAL	14809	65604	55615	303970	305430	150500	52313	29766	38249	7309	3783	2465
MEAN	478	2187	1794	9805	10910	4855	1744	960	1275	236	122	82.2
MAX	1130	3900	3230	18300	27500	9190	3230	1970	3600	381	243	131
MIN	170	121	946	1840	6480	1650	673	587	229	145	71	66
CFSM	.36	1.63	1.33	7.29	8.11	3.61	1.30	.71	.95	.18	.09	.06
IN.	.41	1.81	1.54	8.40	8.44	4.16	1.45	.82	1.06	.20	.10	.07

CAL YR 1989 TOTAL 916543 MEAN 2511 MAX 14500 MIN 109 CFSM 1.87 IN 25.33
WTR YR 1990 TOTAL 1029813 MEAN 2821 MAX 27500 MIN 66 CFSM 2.10 IN 28.46

PEARL RIVER BASIN

02482550 PEARL RIVER NEAR CARTHAGE, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.86	3.43	12.84	10.19	18.22	16.39	10.61	10.87	6.79	4.26	4.39	2.59
2	8.02	3.32	11.91	11.04	17.28	17.84	11.83	10.06	7.26	4.17	4.03	2.57
3	8.27	3.23	10.89	11.49	16.92	18.79	12.82	9.20	8.57	4.86	4.17	2.55
4	7.77	3.17	9.98	13.77	19.24	19.05	13.20	8.21	12.41	4.92	4.22	2.54
5	7.09	3.14	9.23	16.12	18.89	18.89	12.82	7.75	13.04	4.66	4.07	2.53
6	6.78	3.36	8.54	18.73	18.87	18.51	12.49	7.33	13.43	4.53	3.98	2.56
7	6.69	7.64	8.19	19.79	19.35	18.15	12.28	6.90	13.09	4.37	3.77	2.53
8	6.60	10.10	10.04	21.29	19.63	17.60	12.09	6.61	12.49	4.22	3.59	2.52
9	6.41	11.79	10.90	22.10	19.83	16.78	11.58	6.47	12.19	4.24	3.44	2.52
10	6.11	11.67	11.47	22.52	19.77	15.69	10.96	6.55	11.51	4.65	3.33	2.61
11	5.73	11.62	11.72	22.24	19.18	14.49	10.83	6.47	10.48	4.21	3.25	2.79
12	5.31	12.10	11.45	21.37	18.65	13.39	10.59	6.64	9.65	4.10	3.17	3.22
13	4.89	12.58	11.20	20.18	18.37	12.51	10.13	7.92	8.72	5.07	3.13	3.25
14	4.52	12.72	11.18	18.87	17.99	11.78	9.69	8.57	7.69	5.22	3.09	3.28
15	4.22	12.40	11.23	17.46	18.33	11.71	9.53	8.98	6.83	5.35	3.09	3.16
16	4.00	12.18	11.16	15.85	20.10	13.47	9.32	9.01	6.26	5.19	3.05	3.01
17	3.94	11.44	10.81	14.17	20.74	14.12	8.93	8.47	6.87	4.80	3.03	2.89
18	3.93	10.84	10.35	14.92	22.55	14.71	8.59	8.15	8.19	4.52	2.97	2.77
19	3.99	10.45	10.15	16.05	23.70	15.50	8.22	7.79	6.96	4.31	2.94	2.70
20	4.95	9.63	10.17	17.76	23.25	16.25	7.91	7.39	6.08	4.13	2.94	2.67
21	5.57	8.65	10.00	19.87	22.16	16.85	7.68	7.07	5.88	3.97	2.93	2.60
22	5.26	8.71	9.82	20.06	21.19	16.71	7.71	7.42	5.65	3.90	2.88	2.60
23	4.84	12.45	9.33	20.76	20.10	15.82	7.52	7.73	5.62	4.12	2.88	2.65
24	4.67	12.94	8.53	21.39	19.20	14.65	7.26	7.66	5.71	4.52	2.87	2.75
25	4.89	13.32	8.22	21.96	18.57	13.25	7.18	7.38	5.43	4.39	2.84	2.61
26	4.98	13.64	7.93	21.58	18.02	11.99	7.01	6.94	5.23	4.23	2.79	2.57
27	4.77	13.59	7.76	21.06	17.56	11.15	7.17	7.18	5.03	4.04	2.77	2.56
28	4.47	13.66	7.63	20.51	17.02	10.54	12.02	8.84	4.76	3.85	2.73	2.55
29	4.13	13.87	7.64	20.08	---	10.08	12.25	8.39	4.55	3.72	2.69	2.54
30	3.84	13.65	8.24	19.69	---	10.05	11.77	7.56	4.40	3.59	2.67	2.54
31	3.61	---	8.80	19.08	---	10.52	---	6.97	---	3.67	2.61	---
MEAN	5.42	10.04	9.91	18.45	19.45	14.75	10.07	7.82	8.03	4.38	3.24	2.71
MAX	8.27	13.87	12.84	22.52	23.70	19.05	13.20	10.87	13.43	5.35	4.39	3.28
MIN	3.61	3.14	7.63	10.19	16.92	10.05	7.01	6.47	4.40	3.59	2.61	2.52
CAL YR 1989	MEAN	10.20	MAX	21.49	MIN	2.81						
WTR YR 1990	MEAN	9.46	MAX	23.70	MIN	2.52						

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS

LOCATION.--Lat 32°35'18", long 89°27'54", in NW4 sec.34, T.9 N., R.8 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on left bank at downstream side of bridge on State Highway 35, over north drainage canal, 0.4 mi southwest of Walnut Grove, 0.6 mi upstream from Illinois Central and Gulf Railroad bridge, 7.5 mi upstream from junction of north and south drainage canals, and 15.5 mi upstream from mouth.

DRAINAGE AREA.--411 mi², combined drainage area for all channels.

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

REVISED RECORDS.--WSP 1002: 1943. WSP 1504: 1939-40, 1943-44(M).

GAGE.--Water-stage recorder. Datum of gages is 322.70 ft above National Geodetic Vertical Datum 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: Dec. 22-26, Mar. 23-29, Apr. 6-10, 13-14, 16-24, and Aug. 6-16. Records good except for estimated daily discharges, which are poor. Discharge computed by combining flow of individually rated channels. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--52 years, 549 ft³/s, 18.14 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,600 ft³/s, Jan. 7, 1950, gage height, 33.00 ft present datum, north canal, at site 0.2 miles upstream, maximum gage height, south canal, 31.53 ft, Jan. 7, 1950, present datum, at site 1,800 ft downstream, minimum discharge, 2.4 ft³/s, Oct. 2, 1954.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 7	1530	8,400	26.58	Feb. 17	0100	*27,000	*30.12
Jan. 21	1745	13,800	27.79	Feb. 24	0900	4,150	25.24
Jan. 26	1930	10,000	27.38	Mar. 4	0930	4,870	25.58
Feb. 5	2115	7,260	26.40	Mar. 18	1330	6,380	26.06
Feb. 11	2000	5,370	25.75				

Minimum daily discharge, 13 ft³/s, Sept. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	899	35	207	1240	920	600	730	281	386	38	44	20
2	684	38	182	903	646	2570	1140	186	2020	45	150	19
3	440	40	165	622	1440	3630	1230	151	2550	119	66	18
4	149	39	149	2170	3520	4250	739	135	1660	102	36	18
5	82	42	143	4460	6060	1800	409	126	612	66	28	19
6	59	64	145	7290	6320	726	318	114	307	50	26	27
7	48	450	443	8180	2120	540	297	104	174	43	25	19
8	41	1630	2410	7570	938	468	272	95	127	39	25	18
9	39	2800	2940	6990	2000	447	246	181	101	35	24	18
10	32	3280	3300	5080	3120	438	261	552	85	35	24	18
11	30	3500	1860	1730	4710	405	419	376	73	35	23	37
12	30	1330	937	740	3990	370	410	211	62	34	21	33
13	29	329	874	495	1510	345	324	1020	55	44	21	27
14	32	210	658	395	716	328	273	1580	50	51	21	29
15	32	510	460	347	2590	843	348	954	47	43	19	25
16	34	1390	346	323	15900	2870	361	379	49	36	18	26
17	84	1070	276	318	23300	4140	289	199	139	34	18	23
18	598	786	263	2190	12500	6140	234	160	319	32	21	19
19	593	348	682	3490	6430	3060	196	124	516	36	20	22
20	367	239	1100	7940	2230	870	174	104	536	32	23	17
21	163	200	874	12300	1300	520	167	116	239	34	34	15
22	101	535	549	10100	2470	438	159	312	128	55	42	14
23	77	1790	350	6460	3260	402	162	301	188	78	41	13
24	63	1580	276	3370	3650	371	210	174	181	71	31	14
25	50	1150	245	5130	1640	338	171	126	119	69	27	16
26	46	518	229	8560	742	311	155	96	71	45	23	15
27	42	349	233	8190	582	299	293	168	55	35	22	15
28	40	344	259	4230	518	285	1400	333	48	30	22	15
29	39	336	351	1770	---	317	1430	311	45	28	22	15
30	37	259	999	1840	---	527	776	165	40	26	21	15
31	37	---	1320	1470	---	901	---	114	---	27	19	---
TOTAL	4997	25191	23225	125893	115122	39549	13593	9248	10982	1447	957	599
MEAN	161	840	749	4061	4112	1276	453	298	366	46.7	30.9	20.0
MAX	899	3500	3300	12300	23300	6140	1430	1580	2550	119	150	37
MIN	29	35	143	318	518	285	155	95	40	26	18	13
CFSM	.39	2.04	1.82	9.88	10.0	3.11	1.10	.73	.89	.11	.08	.05
IN.	.45	2.28	2.10	11.39	10.42	3.58	1.23	.84	.99	.13	.09	.05

CAL YR 1989 TOTAL 244397 MEAN 670 MAX 9950 MIN 27 CFSM 1.63 IN 22.12
WTR YR 1990 TOTAL 370803 MEAN 1016 MAX 23300 MIN 13 CFSM 2.47 IN 33.56

PEARL RIVER BASIN

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.45	10.90	12.56	16.89	16.04	15.04	15.72	12.98	13.01	10.90	11.03	10.81
2	14.38	10.93	12.37	15.39	14.99	22.47	17.41	12.34	20.45	10.98	12.53	10.80
3	13.11	10.94	12.23	14.41	18.37	24.76	17.14	12.07	21.68	11.70	11.50	10.80
4	11.93	10.92	12.09	20.77	24.73	25.20	14.84	11.94	18.56	11.65	11.03	10.80
5	11.40	10.92	12.04	25.05	25.94	19.94	13.59	11.85	14.33	11.15	10.90	10.82
6	11.17	11.21	12.06	26.26	26.09	15.53	13.10	11.74	12.79	11.00	10.82	10.94
7	11.04	13.93	13.62	26.52	21.17	14.68	12.96	11.64	12.20	10.94	---	10.84
8	10.97	19.31	22.20	26.36	16.40	14.30	12.83	11.56	11.88	10.90	---	10.85
9	10.96	23.57	23.73	26.20	20.44	14.19	12.64	12.13	11.63	10.82	---	10.85
10	10.84	24.50	24.47	25.44	24.00	14.14	12.68	14.32	11.48	10.84	---	10.85
11	10.80	24.75	19.86	19.80	25.46	13.92	13.82	13.38	11.32	10.86	---	11.23
12	10.79	18.19	16.04	15.45	24.71	13.70	13.77	12.55	11.22	10.79	---	11.09
13	10.78	13.37	15.72	14.24	18.72	13.53	13.10	16.15	11.16	10.96	---	11.00
14	10.78	12.59	14.69	13.75	15.40	13.41	12.71	18.19	11.08	11.09	---	10.99
15	10.79	14.06	13.87	13.51	20.17	15.58	13.33	15.29	11.03	10.99	---	10.98
16	10.84	18.16	13.34	13.36	28.05	23.38	13.48	13.25	11.05	10.88	---	10.97
17	11.40	16.75	12.94	13.33	29.54	25.10	12.93	12.35	11.47	10.85	10.71	10.94
18	14.17	16.09	12.86	21.11	27.52	25.99	12.57	12.11	12.40	10.82	10.74	10.89
19	14.04	13.56	14.91	24.56	26.03	23.14	12.30	11.81	13.47	10.89	10.75	10.99
20	12.54	12.83	16.35	26.41	21.62	16.29	12.15	11.64	13.67	10.90	10.77	10.92
21	11.94	12.53	15.20	27.50	17.89	14.45	12.13	11.71	12.18	10.88	10.84	10.89
22	11.62	14.21	---	27.21	22.14	14.00	12.09	12.99	11.54	11.18	10.83	10.88
23	11.43	19.54	---	26.46	24.33	13.74	12.14	12.95	12.10	11.59	10.85	10.87
24	11.29	18.37	---	24.35	24.77	13.56	12.66	12.20	11.92	11.50	10.88	10.88
25	11.14	17.29	---	25.67	19.41	13.36	12.29	11.87	11.47	11.48	10.88	10.91
26	11.06	14.42	---	26.99	15.65	13.17	12.13	11.58	11.21	11.12	10.83	10.91
27	10.99	13.50	12.69	26.92	14.93	13.09	12.70	12.14	11.09	10.96	10.82	10.92
28	10.96	13.51	12.86	24.63	14.58	12.99	17.26	13.21	11.02	10.86	10.81	10.93
29	10.95	13.52	13.37	19.99	---	13.00	16.93	12.62	10.97	10.80	10.81	10.95
30	10.91	12.97	16.18	19.59	---	14.29	14.76	12.00	10.92	10.79	10.82	10.95
31	10.91	---	17.28	18.05	---	16.09	---	11.67	---	10.78	10.82	---
MEAN	11.66	15.24	---	21.49	21.40	16.65	13.61	12.72	12.68	11.03	---	10.92
MAX	15.45	24.75	---	27.50	29.54	25.99	17.41	18.19	21.68	11.70	---	11.23
MIN	10.78	10.90	---	13.33	14.58	12.99	12.09	11.56	10.92	10.78	---	10.80

02484000 YOCKANOOKANY RIVER NEAR KOSCIUSKO, MS

LOCATION.--Lat 33°01'55", long 89°34'40", in NE¼NE¼ sec.33, T.14 N., R.7 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, on left bank at downstream side of bridge on State Highway 35, 2.0 mi south of Kosciusko.

DRAINAGE AREA.--303 mi².

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1947, published as Yokahockany River near Kosciusko.

REVISED RECORDS.--WSP 1504: 1946. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is above 374.34 ft above National Geodetic Vertical Datum 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: Dec. 22-25. Records good. Telemeter at station.

AVERAGE DISCHARGE.--52 years, 450 ft³/s, 20.17 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 40,700 ft³/s, Apr. 13, 1979, gage height, 23.06 ft, minimum discharge, 2.3 ft³/s, Aug. 20-24, 1943, minimum gage height, 0.10 ft, Sept. 3-6, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1932 reached a stage of about 17 ft, from information by U. S. Army Corps of Engineers.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 23	1900	4180	13.57	Feb. 12	1000	4470	13.76
Jan. 2	2000	3420	13.03	Mar. 4	1300	*5650	*14.45
Jan. 6	2100	4490	13.77	Apr. 28	2200	3040	12.73
Jan. 22	2200	4780	13.95	June 4	1400	4710	13.91
Feb. 4	1800	4730	13.92				

Minimum discharge, 8.5 ft³/s, Sept. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	990	42	207	2690	1760	488	554	429	95	32	104	9.1
2	861	41	183	3230	879	3290	664	177	128	26	71	9.2
3	327	42	171	3000	1780	4730	415	126	828	29	43	9.8
4	160	42	143	2540	4460	5440	279	139	4190	29	30	9.6
5	104	44	132	3670	4630	4080	217	165	4050	28	28	9.8
6	80	447	126	4200	4000	1840	196	132	2870	26	30	9.4
7	66	1430	151	4280	2240	566	235	107	973	25	25	9.6
8	65	2090	475	4090	812	410	215	87	209	24	22	10
9	67	2330	759	3410	792	650	172	85	115	22	19	9.1
10	57	2180	766	2890	3180	863	165	97	89	23	18	14
11	52	1530	519	2020	4120	684	243	99	79	32	18	11
12	49	477	391	837	4340	405	219	102	63	27	18	15
13	46	221	362	371	3140	328	170	452	53	43	16	15
14	44	172	293	296	1380	290	150	333	48	36	14	14
15	43	173	248	269	695	326	222	188	44	31	15	13
16	42	235	213	251	1120	713	212	115	52	27	18	12
17	45	250	181	268	1860	919	194	88	88	25	17	11
18	50	189	175	1400	2120	781	162	69	218	25	16	9.9
19	52	153	291	3160	2000	421	156	67	141	26	16	9.3
20	52	133	426	3410	1160	295	123	105	78	32	14	9.7
21	50	125	333	4390	562	247	113	282	56	53	13	11
22	50	715	261	4600	1150	227	153	527	126	65	15	12
23	47	3390	190	4180	2220	208	194	287	340	48	18	12
24	45	3710	152	2570	2040	196	200	141	188	41	16	11
25	44	3610	130	2130	1510	183	123	94	71	34	14	11
26	43	2650	140	2060	588	174	98	73	49	28	13	12
27	41	1150	170	1650	354	211	269	395	40	25	12	10
28	40	437	195	1090	308	206	2240	503	35	21	11	9.8
29	46	367	220	1480	---	200	2620	245	31	20	10	9.6
30	41	256	315	2450	---	526	1700	125	29	21	10	9.2
31	39	---	1040	2130	---	628	---	87	---	32	9.4	---
TOTAL	3738	28631	9358	75012	55200	30525	12673	5921	15376	956	693.4	327.1
MEAN	121	954	302	2420	1971	985	422	191	513	30.8	22.4	10.9
MAX	990	3710	1040	4600	4630	5440	2620	527	4190	65	104	15
MIN	39	41	126	251	308	174	98	67	29	20	9.4	9.1
CFSM	.40	3.15	1.00	7.99	6.51	3.25	1.39	.63	1.69	.10	.07	.04
IN.	.46	3.52	1.15	9.21	6.78	3.75	1.56	.73	1.89	.12	.09	.04

CAL YR 1989	TOTAL	305535.0	MEAN	837	MAX	9200	MIN	22	CFSM	2.76	IN	37.51
WTR YR 1990	TOTAL	238410.5	MEAN	653	MAX	5440	MIN	9.1	CFSM	2.16	IN	29.27

PEARL RIVER BASIN

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS

LOCATION.--Lat 32°42'20", long 89°40'20", in NE4NW4 sec.22, T.10 N., R.6 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, near center of main span on downstream side of bridge on State Highway 16, 1.5 mi east of Ofahoma, 3.5 mi upstream from mouth, and 8.5 mi southwest of Carthage.

DRAINAGE AREA.--469 mi².

PERIOD OF RECORD.--October 1943 to current year. Daily mean gage heights published since October 1971. Prior to October 1947 published as Yokahockany River near Ofahoma.

REVISED RECORDS.--WSP 1204: 1948. WSP 1504: 1949. WDR MS-80-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 306.15 ft above National Geodetic Vertical Datum 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 and datum.

REMARKS.--Estimated daily discharges: Dec. 22 - Jan. 17, June 30 - July 13, July 20-22, July 30 - Aug. 2, Aug. 7 - Sept. 11. Records good except for estimated daily discharges, which are poor. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--47 years, 700 ft³/s, 20.27 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 46,500 ft³/s, Apr. 14, 1979, gage height, 28.27 ft, minimum, 4.9 ft³/s, Aug. 20, Sept. 11, 1954.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Nov. 27	0945	2,920	18.06	Feb. 14	1045	3,870	19.66
Jan. 5	----	4,200	unknown	Mar. 6	1145	5,000	20.87
Jan. 25	1000	*5,100	*20.96	June 7	1430	3,420	18.81
Feb. 7	0330	4,250	20.07				

Minimum discharge, 24 ft³/s, Sept. 20-23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	256	59	929	530	2070	1180	746	1860	314	62	54	26
2	372	55	570	990	1980	2500	1240	1950	230	59	51	26
3	534	55	387	1300	2020	3810	1440	1530	513	53	92	25
4	707	55	292	2400	3240	4110	1510	771	1370	54	99	25
5	729	55	249	3800	3170	4430	1110	305	1230	54	84	25
6	435	74	216	3900	3940	4900	696	228	1990	52	76	25
7	203	289	225	3700	4220	4080	467	220	3290	50	69	25
8	143	526	479	3700	3810	2760	373	185	3040	48	58	25
9	117	920	547	3600	3370	1840	345	158	2260	48	42	25
10	103	1100	619	3600	3160	1190	330	136	1290	49	37	25
11	99	1410	758	2900	2840	871	339	123	448	52	35	26
12	91	1630	894	2300	3140	915	317	126	226	59	34	30
13	85	1670	917	1900	3620	1020	331	202	167	68	34	29
14	79	1460	785	1600	3830	905	330	242	132	80	34	27
15	74	1000	608	1200	3470	684	371	360	111	82	34	29
16	69	664	492	900	3140	674	329	423	101	72	32	29
17	67	550	388	800	2510	676	326	319	99	60	32	27
18	66	402	324	1010	2680	796	306	190	99	56	32	26
19	64	336	315	2060	2630	1020	272	134	153	54	34	25
20	66	266	337	2640	2580	1140	256	108	233	52	33	25
21	69	221	375	4460	2400	1000	236	104	192	50	32	24
22	70	404	400	4710	2320	716	215	199	134	51	31	24
23	69	1590	500	4300	2230	512	251	323	128	71	32	26
24	68	1490	400	4360	1890	409	266	474	170	91	34	25
25	66	1680	300	4990	1840	341	269	494	273	75	34	26
26	63	2510	200	4160	1880	303	258	287	249	66	31	25
27	61	2910	160	2960	1780	277	217	222	143	58	29	25
28	60	2800	190	2420	1510	266	1050	403	117	53	27	25
29	58	2280	230	2330	---	284	1200	511	102	52	26	25
30	57	1570	290	2450	---	522	1390	668	80	51	26	25
31	57	---	380	2210	---	624	---	560	---	51	26	---
TOTAL	5057	30031	13756	84180	77270	44755	16786	13815	18884	1833	1324	775
MEAN	163	1001	444	2715	2760	1444	560	446	629	59.1	42.7	25.8
MAX	729	2910	929	4990	4220	4900	1510	1950	3290	91	99	30
MIN	57	55	160	530	1510	266	215	104	80	48	26	24
CFSM	.35	2.13	.95	5.79	5.89	3.08	1.19	.95	1.34	.13	.09	.06
IN.	.40	2.38	1.09	6.68	6.13	3.55	1.33	1.10	1.50	.15	.11	.06
CAL YR 1989	TOTAL	402160	MEAN	1102	MAX	10000	MIN	53	CFSM	2.35	IN	31.90
WTR YR 1990	TOTAL	308466	MEAN	845	MAX	4990	MIN	24	CFSM	1.80	IN	24.47

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.39	6.10	12.04	---	16.52	13.18	11.22	15.42	8.84	---	---	---
2	9.23	6.04	10.36	---	16.23	17.31	13.30	15.69	8.23	---	---	---
3	10.18	6.03	9.32	---	16.35	19.59	14.02	14.30	9.70	---	6.60	---
4	11.06	6.03	8.70	---	18.88	19.92	14.27	11.29	13.71	---	6.71	---
5	11.16	6.03	8.38	---	18.80	20.30	12.79	8.77	13.12	---	6.50	---
6	9.59	6.31	8.12	---	19.73	20.78	11.00	8.22	15.51	---	6.39	---
7	7.89	8.65	8.19	---	20.04	19.83	9.80	8.16	18.56	---	---	---
8	7.23	10.07	9.87	---	19.59	17.69	9.24	7.86	18.07	---	---	---
9	6.91	12.03	10.25	---	19.07	15.34	9.06	7.62	16.24	---	---	---
10	6.75	12.77	10.62	---	18.79	13.09	8.96	7.41	13.15	---	---	---
11	6.69	13.91	11.30	---	18.32	11.81	9.02	7.26	9.37	---	---	---
12	6.59	14.67	11.91	---	18.75	12.00	8.87	7.30	7.92	---	---	5.52
13	6.50	14.81	12.01	---	19.38	12.43	8.96	8.00	7.43	---	---	5.50
14	6.43	14.10	11.42	---	19.61	11.95	8.96	8.33	7.08	6.44	---	5.44
15	6.34	12.34	10.57	---	19.20	10.95	9.22	9.16	6.85	6.48	---	5.48
16	6.27	10.85	9.95	---	18.75	10.90	8.95	9.55	6.73	6.32	---	5.48
17	6.24	10.26	9.33	---	17.73	10.91	8.93	8.88	6.71	6.13	---	5.45
18	6.21	9.42	8.92	12.32	18.06	11.47	8.79	7.90	6.71	6.06	---	5.41
19	6.18	9.00	8.86	16.47	17.97	12.42	8.55	7.39	7.27	6.03	---	5.38
20	6.22	8.49	9.01	17.81	17.89	12.92	8.43	7.09	7.98	---	---	5.37
21	6.27	8.08	9.25	20.31	17.48	12.36	8.28	7.05	7.64	---	---	5.35
22	6.28	9.09	---	20.60	17.27	11.10	8.12	7.97	7.10	---	---	5.35
23	6.26	14.53	---	20.14	17.01	10.06	8.39	8.91	7.04	6.31	---	5.40
24	6.25	14.20	---	20.20	15.92	9.47	8.51	9.85	7.44	6.61	---	5.39
25	6.21	14.81	---	20.86	15.74	9.03	8.53	9.96	8.28	6.38	---	5.40
26	6.17	17.15	---	19.98	15.89	8.78	8.45	8.64	8.10	6.23	---	5.39
27	6.14	18.03	---	18.48	15.51	8.59	8.12	8.14	7.19	6.09	---	5.39
28	6.12	17.82	---	17.54	14.50	8.51	12.51	9.43	6.92	6.01	---	5.38
29	6.09	16.60	---	17.29	---	8.64	13.17	10.05	6.75	6.00	---	5.38
30	6.07	14.45	---	17.63	---	10.07	13.85	10.87	---	---	---	5.38
31	6.07	---	---	16.95	---	10.65	---	10.31	---	---	---	---
MEAN	7.10	11.42	---	---	17.82	12.97	10.01	9.25	---	---	---	---
MAX	11.16	18.03	---	---	20.04	20.78	14.27	15.69	---	---	---	---
MIN	6.07	6.03	---	---	14.50	8.51	8.12	7.05	---	---	---	---

02484630 PEARL RIVER AT COAL BLUFF NEAR RATLIFF, MS

LOCATION.--Lat 32°35'25", long 89°46'49", in NW4 sec.34, T.9 N., R.5 E., Choctaw Meridian, Scott County, Hydrologic Unit 03180002, on left bank at Coal Bluff Park, 0.5 mi upstream from Sycamore Creek and 1.8 mi northeast of Ratliff.

DRAINAGE AREA.--2,595 mi².

PERIOD OF RECORD.--January 1981 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 290.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--National Weather Service telemeter at station.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 24.49 ft, May 23, 1983, minimum, 3.82 ft, Oct. 1, 1988.

EXTREMES OUTSIDE PERIOD OF RECORD.--A gage height of approximately 26.5 ft occurred Apr. 15, 1979 as reported by Park Ranger.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 21.20 ft, Feb. 18, minimum, 5.69 ft, Dec. 27-28.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.57	7.02	8.85	8.10	15.01	11.36	7.43	9.28	7.45	---	---	6.79
2	7.66	6.97	8.08	8.52	13.66	12.64	7.95	8.55	7.72	---	---	6.78
3	7.62	6.89	7.37	8.50	12.94	15.38	8.70	8.04	8.62	---	---	6.75
4	7.54	6.86	6.89	9.93	14.82	16.66	9.16	7.42	10.17	---	---	6.75
5	7.43	6.81	6.57	13.13	16.93	16.89	8.91	6.70	10.67	---	---	6.75
6	7.37	6.76	6.35	16.30	17.14	16.62	8.18	6.45	10.04	---	---	6.75
7	7.23	6.93	6.17	17.90	17.17	15.47	7.65	6.42	10.46	---	---	6.73
8	7.13	7.68	6.77	19.06	17.11	13.87	7.41	6.41	10.81	---	---	6.70
9	7.12	8.88	8.78	19.88	16.46	12.49	7.29	6.46	10.34	---	---	6.66
10	7.14	9.86	9.66	20.08	16.64	11.25	7.15	6.52	9.61	---	---	6.80
11	7.16	10.17	9.90	19.89	17.00	10.06	6.97	6.74	8.71	---	---	6.80
12	7.16	10.35	9.72	19.21	16.77	9.12	6.97	6.77	8.16	---	---	6.78
13	7.15	10.22	8.60	17.52	---	8.54	6.87	6.93	8.01	---	---	6.87
14	7.11	9.21	8.03	15.43	---	8.05	6.72	7.72	7.89	---	---	6.91
15	7.10	8.71	7.70	13.39	14.89	7.67	6.58	8.17	7.77	---	---	6.92
16	7.11	8.79	7.39	11.66	15.75	8.58	6.60	7.86	7.67	---	---	6.90
17	7.10	9.20	7.16	10.15	18.06	10.46	6.53	7.41	7.68	---	7.12	6.85
18	7.03	8.50	6.90	10.35	20.77	11.47	6.32	7.10	7.95	---	7.12	6.82
19	7.09	7.78	6.83	12.88	21.14	11.97	6.19	7.03	7.97	---	7.10	6.82
20	7.16	7.24	7.22	15.57	21.04	12.41	6.13	7.03	7.91	---	7.08	6.80
21	7.17	6.86	7.48	18.07	20.52	11.65	6.11	6.98	7.87	---	7.05	6.81
22	7.17	6.86	7.12	19.97	19.46	10.80	6.08	6.92	---	---	7.06	6.77
23	7.15	8.77	6.75	20.31	18.30	10.39	6.02	6.98	---	---	7.01	6.69
24	7.15	10.40	6.35	20.03	17.22	9.74	6.01	7.00	---	---	7.02	6.65
25	7.15	10.28	6.08	20.10	15.97	8.92	6.04	6.99	---	---	6.97	6.67
26	7.15	10.09	5.84	20.28	14.74	8.08	6.02	6.94	---	---	6.95	6.65
27	7.14	10.11	5.71	19.99	13.10	7.46	6.15	6.93	---	---	6.94	6.61
28	7.13	10.07	5.72	19.67	12.02	7.03	8.09	7.49	---	---	6.94	6.59
29	7.10	9.89	5.86	19.01	---	6.68	10.04	7.98	---	---	6.93	6.57
30	7.08	9.52	6.30	17.79	---	6.71	10.16	7.84	---	---	6.87	6.55
31	7.06	---	7.15	16.40	---	7.14	---	7.68	---	7.33	6.80	---
MEAN	7.21	8.59	7.27	16.10	---	10.82	7.21	7.25	---	---	---	6.75
MAX	7.66	10.40	9.90	20.31	---	16.89	10.16	9.28	---	---	---	6.92
MIN	7.03	6.76	5.71	8.10	---	6.68	6.01	6.41	---	---	---	6.55

CAL YR 1989 MEAN 8.95 MAX 19.52 MIN 5.71

02485700 HANGING MOSS CREEK AT JACKSON, MS

LOCATION.--Lat 32°21'57", long 90°08'57", in NE4 sec.13, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, on left bank of Hanging Moss Creek, 600 ft east of Old Canton Road, at Parham Bridges Park, 0.7 mi upstream from Whiteoak Creek, and 1.4 mi upstream from the mouth.

DRAINAGE AREA.--16.8 mi².

PERIOD OF RECORD.--October 1952 to September 1980 (annual maximums only). October 1980 to current year.

REVISED RECORDS.--WDR MS-85-1: 1984, WDR MS-90-1: 1983.

GAGE.--Water-stage recorder. Datum of gage is 260.00 ft above National Geodetic Vertical Datum of 1929. Prior to July 11, 1980, at datum 1.33 ft higher, at site located 0.6 mi upstream at downstream side of bridge on frontage road, 100 ft downstream from U. S. Highway 51 (Interstate 55).

REMARKS.--Estimated daily discharges: Jan. 7-14, 20-31, Feb. 5-7, 9-12, 16-23, May 13 to June 19 and July 28 to Aug. 1. Records good except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--10 years, 25.4 ft³/s, 20.53 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,320 ft³/s, Apr. 29, 1953, gage height, 26.0 ft, minimum, 0.01 ft³/s, Nov. 16, 1987 and Sept. 19, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,030 ft³/s, Nov. 8, gage height, 19.42 ft, minimum, .24 ft³/s, Aug. 10, 11.

REVISIONS.--Revised daily discharges for the 1983 water year are given below. These figures supersede those published in the report of 1983.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1982 TO SEPTEMBER 1983
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.2	4.4	440	40	988	28	9.3	2.8	2.4	1.6	1.2	1.5
2	1.8	5.4	26	30	134	13	12	2.4	1.8	1.4	2.5	1.4
3	1.9	4.2	636	200	31	8.1	6.3	3.0	1.8	1.4	3.9	1.5
4	1.8	3.5	1780	60	9.0	182	5.4	2.3	14	1.4	2.3	1.4
5	1.6	3.2	580	20	40	1040	459	2.3	6.1	1.8	1.4	1.4
6	1.9	3.0	220	10	20	200	300	2.0	2.4	2.4	1.3	1.4
7	216	2.9	90	50	10	50	800	2.5	1.9	1.6	4.0	1.6
8	17	2.8	44	87	6.0	25	250	1.9	1.7	1.6	1.9	1.5
9	17	2.6	35	72	5.0	16	100	1.9	1.5	1.6	1.3	1.4
10	48	2.4	200	28	1200	10	60	1.6	2.4	1.5	1.5	1.3
11	5.1	2.5	360	18	100	8.0	30	1.6	1.4	1.8	1.3	1.2
12	3.0	3.6	150	15	40	6.8	20	1.6	1.4	1.8	1.3	1.2
13	2.8	2.4	50	13	30	5.6	18	1.6	1.3	2.2	316	3.2
14	1.8	1.8	20	12	20	4.2	1500	1.8	1.3	1.8	2.9	1.8
15	2.4	1.7	50	12	16	4.5	500	22	1.4	2.0	1.5	1.4
16	3.2	1.6	30	11	14	5.4	150	25	1.4	3.2	1.2	1.3
17	3.7	13	15	11	12	5.2	35	3.3	1.6	2.3	13	1.3
18	3.9	5.2	10	11	10	4.5	20	2.3	1.8	1.8	6.5	1.4
19	3.7	20	8.0	11	9.9	4.0	12	384	1.5	2.4	1.6	2.4
20	3.6	35	13	695	7.8	32	10	150	1.3	3.5	1.2	2.0
21	3.5	8.6	15	235	7.8	14	8.0	22	1.3	3.2	1.2	3.0
22	3.5	3.2	60	35	115	6.7	10	11	1.3	5.2	1.2	1.4
23	3.6	6.7	70	18	47	57	408	6.0	16	3.3	1.3	1.2
24	3.6	13	264	26	27	332	13	3.6	34	2.8	1.3	1.2
25	3.9	4.7	600	12	21	22	6.7	2.3	31	2.5	1.4	1.1
26	4.2	2.9	100	16	16	52	5.1	2.0	7.0	2.4	15	1.1
27	4.5	543	250	10	8.6	45	4.0	1.9	2.8	4.5	2.4	1.2
28	4.2	397	80	18	72	12	3.3	1.8	1.8	18	2.0	1.3
29	4.2	17	20	34	---	8.3	3.2	1.7	1.9	2.6	1.8	1.3
30	4.7	28	15	26	---	4.9	2.9	5.1	1.8	1.2	1.7	1.3
31	4.5	---	10	27	---	6.1	---	2.4	---	1.2	1.6	---
TOTAL	385.8	1145.3	6241.0	1863	3017.1	2212.3	4761.2	675.7	149.3	86.0	398.7	45.7
MEAN	12.4	38.2	201	60.1	108	71.4	159	21.8	4.98	2.77	12.9	1.52
MAX	216	543	1780	695	1200	1040	1500	384	34	18	316	3.2
MIN	1.2	1.6	8.0	10	5.0	4.0	2.9	1.6	1.3	1.2	1.2	1.1
CFSM	.74	2.27	12.0	3.58	6.43	4.25	9.46	1.30	.30	.17	.77	.09
IN.	.85	2.54	13.82	4.12	6.68	4.90	10.54	1.50	.33	.19	.88	.10
CAL YR 1982	TOTAL	12656.79	MEAN	34.7	MAX	1780	MIN	.75	CFSM	2.07	IN	28.02
WTR YR 1983	TOTAL	20981.10	MEAN	57.5	MAX	1780	MIN	1.1	CFSM	3.42	IN	46.46

PEARL RIVER BASIN

02485700 HANGING MOSS CREEK AT JACKSON, MS

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.5	.45	4.1	13	8.2	287	2.8	2.5	36	.60	28	.32
2	.80	.42	3.5	7.0	9.0	460	3.3	2.1	3.0	37	8.0	.26
3	.50	.41	3.3	100	343	29	1.3	1.3	180	10	1.4	.31
4	.39	.39	3.3	614	92	11	1.0	.95	45	1.4	.43	.46
5	.32	.50	2.7	190	1.8	6.4	.87	1.5	6.6	1.4	.32	.65
6	.29	.87	3.7	152	1.2	4.8	1.3	.75	3.0	.55	.28	.49
7	.28	752	165	18	.80	4.0	.98	.56	2.5	.52	.28	.51
8	.29	1340	98	6.0	90	3.8	.83	.62	2.2	.81	.28	.53
9	.29	48	40	3.0	.40	3.3	.79	5.2	2.5	1.3	.27	5.7
10	.28	8.0	13	1.8	6.0	3.1	20	1.4	2.2	.66	.24	5.9
11	.29	3.9	7.2	1.2	2.0	2.9	6.1	.82	1.6	1.4	.27	4.4
12	.30	3.4	7.7	.84	.96	2.8	2.1	268	1.5	41	.32	1.9
13	.30	2.8	5.7	.62	6.6	2.8	1.5	490	1.4	57	.35	.55
14	.29	2.5	3.4	.50	39	2.7	72	130	1.3	3.8	.39	1.1
15	.29	125	2.9	4.5	322	17	19	33	1.2	1.2	.57	.47
16	.94	44	5.9	4.4	15	9.9	3.5	12	1.3	.57	.90	.29
17	.54	6.6	3.3	66	9.0	5.5	2.0	8.4	77	2.2	1.1	.28
18	.38	3.9	13	585	2.4	3.2	1.7	6.6	46	2.8	.74	.29
19	.40	3.0	101	124	.80	2.5	1.4	3.0	3.5	1.0	1.7	.32
20	.40	2.7	16	940	.58	2.2	1.3	1.5	312	1.5	.68	13
21	.39	2.5	8.9	46	200	1.9	1.3	77	31	21	.39	2.7
22	.40	228	4.0	15	5.0	1.9	1.3	13	30	2.9	1.6	3.2
23	.39	79	4.3	7.2	15	1.7	1.6	6.6	34	.78	1.1	1.4
24	.40	11	3.8	900	47	1.7	2.5	5.2	2.0	.47	.43	.50
25	.39	5.6	4.2	2.0	5.4	1.5	1.3	5.1	.95	.41	.30	.39
26	.39	4.1	4.6	.53	4.1	1.1	.50	1.0	.53	.37	.27	.32
27	.39	3.8	4.6	.28	3.5	.92	321	160	.42	.40	.30	.30
28	.38	81	5.2	.38	3.3	1.5	93	56	.38	.34	.35	.30
29	.41	12	41	4.0	---	1.8	6.9	6.6	.35	.32	.32	.30
30	.41	5.1	18	1.8	---	5.9	3.4	3.0	3.0	.30	.29	.28
31	.39	---	30	1.2	---	1.2	---	230	---	115	.37	---
TOTAL	14.41	2867.07	631.3	3810.25	1234.04	885.02	576.57	1533.70	832.43	309.00	52.24	47.42
MEAN	.46	95.6	20.4	123	44.1	28.5	19.2	49.5	27.7	9.97	1.69	1.58
MAX	2.5	1340	165	940	343	460	321	490	312	115	28	13
MIN	.28	.39	2.7	.28	.40	.92	.50	.56	.35	.30	.24	.26
CFSM	.03	5.69	1.21	7.32	2.63	1.70	1.14	2.95	1.65	.59	.10	.09
IN.	.03	6.35	1.40	8.44	2.73	1.96	1.28	3.40	1.84	.68	.12	.10
CAL YR 1989	TOTAL	10398.86	MEAN	28.5	MAX	1340	MIN	.04	CFSM	1.70	IN	23.02
WTR YR 1990	TOTAL	12793.45	MEAN	35.1	MAX	1340	MIN	.24	CFSM	2.09	IN	28.33

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.73	8.31	8.55	8.90	8.77	10.30	8.48	8.69	---	8.43	---	8.43
2	8.51	8.29	8.51	8.69	8.77	11.11	8.59	8.66	---	8.72	8.71	8.43
3	8.41	8.29	8.50	9.33	10.61	9.13	8.39	8.57	---	8.88	8.61	8.47
4	8.35	8.27	8.50	11.76	9.52	8.85	8.34	8.52	---	8.58	8.44	8.53
5	8.31	8.32	8.43	9.97	8.97	8.70	8.30	8.58	---	8.56	8.37	8.59
6	8.28	8.91	8.51	9.86	9.16	8.61	8.37	8.48	---	8.43	8.33	8.57
7	8.27	11.60	9.69	11.47	8.82	8.56	8.33	8.43	---	8.42	8.33	8.58
8	8.27	13.09	9.60	12.13	9.32	8.55	8.29	8.44	---	8.49	8.33	8.60
9	8.27	9.26	9.23	12.21	11.05	8.52	8.28	8.80	---	8.56	8.32	8.67
10	8.26	8.75	8.90	12.20	11.16	8.50	8.77	8.58	---	8.44	8.31	8.76
11	8.26	8.56	8.73	11.73	9.67	8.48	8.65	8.50	---	8.57	8.33	8.63
12	8.26	8.52	8.75	10.52	9.12	8.47	8.40	9.62	---	8.80	8.37	8.64
13	8.26	8.47	8.66	9.79	8.70	8.47	8.32	---	---	9.25	8.41	8.44
14	8.25	8.44	8.50	8.96	8.84	8.47	9.09	---	---	8.75	8.45	8.47
15	8.25	9.24	8.42	8.60	10.57	8.93	8.95	---	---	8.55	8.52	8.40
16	8.39	9.21	8.51	8.59	10.20	8.81	8.53	---	---	8.44	8.60	8.34
17	8.36	8.70	8.52	8.96	10.82	8.66	8.39	---	---	8.63	8.65	8.33
18	8.30	8.56	8.80	11.59	13.33	8.53	8.34	---	---	8.69	8.61	8.33
19	8.30	8.49	9.61	9.71	13.47	8.48	8.30	---	---	8.53	8.64	8.35
20	8.30	8.46	8.91	12.43	12.66	8.46	8.29	---	9.74	8.50	8.46	8.58
21	8.30	8.44	8.64	11.72	13.04	8.44	8.28	---	8.81	8.81	8.37	8.67
22	8.30	9.76	8.54	12.67	13.50	8.44	8.28	---	8.92	8.70	8.42	8.64
23	8.29	9.44	8.58	13.24	10.19	8.43	8.33	---	9.11	8.48	8.52	8.58
24	8.29	8.85	8.55	14.19	9.20	8.43	8.45	---	8.65	8.41	8.39	8.41
25	8.29	8.66	8.58	14.48	8.65	8.42	8.44	---	8.52	8.39	8.34	8.38
26	8.29	8.58	8.51	13.29	8.57	8.34	8.42	---	8.42	8.37	8.32	8.35
27	8.29	8.55	8.51	13.00	8.53	8.31	9.85	---	8.39	8.38	8.34	8.34
28	8.28	9.41	8.50	12.40	8.51	8.39	9.52	---	8.37	---	8.38	8.34
29	8.29	8.85	9.14	11.96	---	8.46	8.88	---	8.36	---	8.38	8.34
30	8.29	8.62	9.00	10.52	---	8.67	8.75	---	8.46	---	8.38	8.33
31	8.28	---	9.16	9.28	---	8.38	---	---	---	---	8.44	---
MEAN	8.32	8.96	8.76	11.10	10.13	8.69	8.55	---	---	---	---	8.48
MAX	8.73	13.09	9.69	14.48	13.50	11.11	9.85	---	---	---	---	8.76
MIN	8.25	8.27	8.42	8.59	8.51	8.31	8.28	---	---	---	---	8.33

02486000 PEARL RIVER AT JACKSON, MS

LOCATION.--Lat 32°16'54", long 90°10'43", in NE¼NE¼ sec.15, T.5 N., R.1 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, on left bank at downstream side of bridge on U.S. Highway 80 at eastern city limits of Jackson, 0.4 mi downstream from Illinois Central and Gulf Railroad bridge, 0.4 mi downstream from Town Creek, 4.2 mi upstream from Richland Creek, and at mile 287.0.

DRAINAGE AREA.--3,171 mi².

PERIOD OF RECORD.--June 1901 to December 1913 (prior to October 1901 and for 1913, 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 National Geodetic Vertical Datum 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 National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges. Feb. 16-18, Apr. 15-19, Apr. 23-29, May 12-15. Records fair except for estimated daily discharges, which are poor. About 48 ft³/s is diverted upstream from station for municipal water supply for City of Jackson, most of which was returned to river and included in discharge records prior to the opening of the City of Jackson Waste Water Treatment Plant at Savannah Street Extension in 1975. Flow regulated since Sept. 27, 1961, by Ross R. Barnett Reservoir, 15 mi upstream. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--73 years (water years 1902-12, 1929-89), 4,127 ft³/s, 17.67 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 128,000 ft³/s, Apr. 17, 1979, gage height, 43.28 ft, minimum daily regulated, 45 ft³/s, Oct. 5, 1956 (affected by closure of low-head dam at Jackson Waterworks), Sept. 18, 1963, minimum daily unregulated, 78 ft³/s, Oct. 11, 1954.

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 36½ 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.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 38,000 ft³/s, Jan. 25, gage height, 33.75 ft, minimum daily discharge, 199 ft³/s, Sept. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3640	444	6280	4780	21100	12100	2930	7060	4600	404	456	208
2	2490	866	4890	6300	18700	15400	4700	4330	2360	530	339	208
3	2630	889	4230	5560	16200	16400	4940	3270	2860	764	313	211
4	2840	887	3410	9590	17100	17200	4930	2690	5470	421	254	204
5	1740	889	2170	13900	18600	18200	5540	2600	7100	375	247	211
6	1110	1110	1870	18900	20700	18200	5170	1260	5840	369	247	206
7	1220	3860	3960	24700	20800	18200	4140	663	3490	364	260	199
8	1360	9490	7010	28600	19600	16500	2970	379	4120	356	248	202
9	649	10900	7400	29700	22200	13300	2570	384	5900	353	244	205
10	379	9340	7950	29500	25600	11600	2700	376	5520	351	241	334
11	353	8730	8010	28800	23400	9860	3590	358	4030	339	236	247
12	530	8520	7750	26300	20900	6530	2910	870	2300	395	242	250
13	656	7730	5920	24300	18800	4980	2530	3460	884	2320	234	264
14	649	7130	4790	22600	17200	5230	2860	1120	1240	1900	236	346
15	437	6610	3560	19700	19100	4410	3860	5210	1610	856	236	285
16	391	6720	3870	16200	22300	5290	2590	4810	1040	406	243	233
17	391	6960	3900	13400	24500	5750	1880	2810	1190	388	239	219
18	511	6370	3660	13700	30700	7630	2180	1930	1760	382	232	220
19	613	5430	3540	18200	33100	9050	1920	1140	1370	372	236	219
20	372	4240	3980	21100	31100	8780	1760	1040	1460	387	239	268
21	498	2830	3720	26700	31100	8470	1270	1210	1240	489	240	264
22	336	2990	5170	29800	33400	7760	1280	2080	1150	477	229	233
23	326	5880	3190	31600	27500	7030	2540	1900	1130	373	239	217
24	318	7120	2870	33600	23600	6660	1230	1850	745	370	228	218
25	314	8080	3020	37400	21100	5600	940	1230	1050	327	225	210
26	357	8570	2980	34500	18800	4290	1920	452	1170	348	219	219
27	593	8070	2540	32300	16200	2780	1630	570	831	348	214	214
28	616	8030	914	30800	13800	1900	7060	741	443	344	214	213
29	616	8130	960	28700	---	3510	8300	1880	408	345	218	213
30	547	7110	904	26500	---	3520	8810	2470	399	340	212	216
31	360	---	2060	23600	---	2710	---	2370	---	534	211	---
TOTAL	27842	173925	126478	711330	627200	278840	101650	62513	72710	16327	7671	6956
MEAN	898	5798	4080	22950	22400	8995	3388	2017	2424	527	247	232
MAX	3640	10900	8010	37400	33400	18200	8810	7060	7100	2320	456	346
MIN	314	444	904	4780	13800	1900	940	358	399	327	211	199
CFSM	.28	1.83	1.29	7.24	7.06	2.84	1.07	.64	.76	.17	.08	.07
IN.	.33	2.04	1.48	8.34	7.36	3.27	1.19	.73	.85	.19	.09	.08

CAL YR 1989 TOTAL 2044541 MEAN 5601 MAX 24500 MIN 280 CFSM 1.77 IN 23.99
WTR YR 1990 TOTAL 2213442 MEAN 6064 MAX 37400 MIN 199 CFSM 1.91 IN 25.97

PEARL RIVER BASIN

02486000 PEARL RIVER AT JACKSON ,MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.54	3.84	16.70	14.00	29.13	24.01	10.41	18.04	13.67	4.00	4.17	3.24
2	9.19	5.20	14.21	16.74	28.06	26.34	13.86	13.17	9.17	4.37	3.76	3.24
3	9.50	5.27	12.99	15.42	26.81	26.95	14.30	11.12	10.21	5.16	3.66	3.25
4	9.94	5.26	11.39	21.29	27.30	27.37	14.28	9.92	15.26	4.06	3.43	3.22
5	7.45	5.27	8.77	25.36	28.06	27.84	15.37	9.78	18.17	3.90	3.40	3.25
6	5.86	5.88	8.09	28.13	28.94	27.87	14.72	6.81	15.91	3.87	3.40	3.23
7	6.13	11.95	12.27	30.43	29.01	27.87	12.83	5.13	11.56	3.86	3.45	3.20
8	6.52	21.35	18.00	31.64	28.47	26.94	10.51	4.17	12.76	3.83	3.41	3.21
9	4.54	22.93	18.66	31.94	29.55	24.92	9.65	4.13	16.00	3.81	3.39	3.22
10	3.63	21.28	19.50	31.90	30.80	23.58	9.93	3.90	15.34	3.81	3.38	3.74
11	3.54	20.55	19.58	31.72	30.38	21.83	11.77	3.84	12.61	3.77	3.36	3.40
12	4.14	20.28	19.20	30.99	29.77	17.12	10.37	---	9.04	3.95	3.38	3.41
13	4.57	19.17	16.05	30.30	28.92	14.38	9.59	---	5.51	9.09	3.35	3.47
14	4.55	18.22	14.04	29.70	28.01	14.82	10.26	---	6.48	8.15	3.36	3.77
15	3.84	17.29	11.70	28.50	28.26	13.33	---	---	7.44	5.42	3.36	3.55
16	3.68	17.50	12.31	26.79	---	14.92	---	14.07	5.98	4.01	3.38	3.34
17	3.68	17.92	12.38	25.01	---	15.75	---	10.14	6.35	3.94	3.37	3.29
18	4.09	16.85	11.90	25.18	---	18.96	---	8.23	7.81	3.92	3.34	3.29
19	4.41	15.17	11.66	27.86	32.78	20.96	---	6.23	6.86	3.89	3.36	3.28
20	3.61	13.00	12.51	29.09	32.30	20.72	7.83	5.97	7.09	3.94	3.37	3.46
21	4.04	10.21	12.00	31.10	32.29	20.45	6.59	6.35	6.51	4.28	3.37	3.47
22	3.47	10.52	14.72	31.98	32.86	19.55	6.56	8.57	6.28	4.25	3.33	3.34
23	3.43	15.98	10.94	32.43	31.31	18.52	---	8.16	6.17	3.89	3.37	3.28
24	3.40	18.19	10.31	32.89	30.06	17.97	---	8.05	5.12	3.88	3.32	3.28
25	3.39	19.68	10.61	33.65	29.11	16.18	---	6.43	5.99	3.72	3.31	3.25
26	3.54	20.34	10.52	33.09	28.11	13.94	---	4.17	6.33	3.80	3.29	3.29
27	4.37	19.68	9.56	32.59	26.80	11.00	---	4.54	5.36	3.80	3.26	3.27
28	4.44	19.62	5.60	32.21	25.27	8.99	---	5.09	4.14	3.78	3.26	3.26
29	4.44	19.75	5.74	31.69	---	11.59	---	8.09	4.02	3.79	3.28	3.26
30	4.21	18.18	5.59	31.03	---	11.62	20.64	9.44	3.98	3.77	3.25	3.27
31	3.56	---	8.42	30.07	---	9.95	---	9.20	---	4.38	3.25	---
MEAN	5.05	15.21	12.45	28.54	---	19.23	---	---	8.90	4.33	3.40	3.33
MAX	11.54	22.93	19.58	33.65	---	27.87	---	---	18.17	9.09	4.17	3.77
MIN	3.39	3.84	5.59	14.00	---	8.99	---	---	3.98	3.72	3.25	3.20

02488000 PEARL RIVER AT ROCKPORT, MS

LOCATION.--Lat 31°47'25", long 90°08'35", in SW¼ sec.31, T.10 N., R.11 E., Washington Meridian, Copiah County, Hydrologic Unit 03180003, on downstream side of bridge on county road between Rockport and Shivers, approximately 1.0 mi upstream from Sinkler Creek, 2.0 mi south of Rockport, 7.5 mi downstream from Strong River, and 221.7 mi upstream from the mouth.

DRAINAGE AREA.--4,556 mi².

PERIOD OF RECORD.--Oct. 1938 to September 1951, October 1984 to current year. Monthly discharge only prior to June 1939.

GAGE.--Water-stage recorder. Datum of gage is 180.19 ft above National Geodetic Vertical Datum of 1929.

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

AVERAGE DISCHARGE.--18 years (water years 1939-51, 1986-90), 5921 ft³/s, 17.65 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 58,800 ft³/s, Jan.27, 1990; gage height, 34.20 ft, minimum discharge, 267 ft³/s, Oct. 25-31, 1943, gage height 4.11 ft, Oct. 25-28, 1943.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1979, reached a stage of 42.83 ft, from floodmarks.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 18,000 ft³/s, and maximum (*):

Date	Time	Discharge (ft³/s)	Gage Height (ft)	Date	Time	Discharge (ft³/s)	Gage Height (ft)
Jan. 11	1600	33,800	26.95	Feb. 17	0330	51,100	32.19
Jan. 27	1000	*58,800	*34.20	May 13	2315	46,500	29.46

Minimum discharge, 401 ft³/s, Sept. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5250	798	8400	5610	40300	25200	4580	11600	10000	866	634	419
2	4880	666	7370	6750	36200	25600	4400	9570	11000	842	1090	414
3	3560	856	5970	7570	34800	28700	5660	6490	9140	953	924	403
4	3320	1160	5040	10100	34300	28000	6240	4690	9420	1300	721	401
5	3320	1190	4240	17000	33000	26400	6220	3940	11700	1140	612	445
6	2690	1210	3110	22300	30000	24900	6480	3550	11100	869	532	453
7	1870	1480	4230	25800	27800	23600	6310	2720	8520	784	511	435
8	1500	4440	13900	30500	26600	23200	5370	1870	5610	749	481	423
9	1850	9820	15300	32500	29800	22800	4220	2710	5120	730	463	409
10	1340	12000	12900	33500	35500	21400	3660	4350	6440	713	453	549
11	912	12200	11800	33700	37500	18600	4040	3370	6500	703	441	591
12	717	11100	10900	33400	37400	15400	4800	3970	5260	688	436	1000
13	684	9940	9720	32700	36000	11100	4340	37300	4030	880	426	773
14	863	9120	8120	31300	33200	7700	3700	38700	2410	2090	424	664
15	940	8400	6430	29400	35200	7660	4130	28400	1810	2790	445	616
16	908	7980	5090	27300	48200	10600	4950	16800	2460	1880	453	704
17	1110	7800	4890	25100	51000	12900	3670	9180	2080	1120	443	705
18	2860	7830	4950	23800	50200	12100	2930	5900	1950	799	434	575
19	2100	7400	5100	26900	48300	12000	2960	4060	2890	732	430	505
20	1440	6430	5370	28400	45700	12000	2890	3120	2650	715	444	482
21	1100	5230	5620	32300	43400	11300	2440	2550	2400	683	578	493
22	901	3900	5260	34400	44800	10800	2100	3900	2150	706	515	532
23	867	4180	5910	35500	46600	10300	1800	4600	2810	991	926	536
24	732	6400	4560	39700	46200	9450	2900	3780	2780	847	667	466
25	692	7840	3760	53000	43100	8880	2570	3230	1850	725	550	451
26	669	8740	3890	57900	38500	7860	1760	2730	1800	681	510	441
27	651	9260	3870	58500	33400	6500	2340	1860	1920	635	472	437
28	738	9210	3560	56500	28800	5030	11200	1810	1740	643	451	439
29	903	9040	2670	53000	---	3810	14500	2360	1250	625	440	440
30	919	9070	4850	48800	---	4760	12600	2670	949	599	437	430
31	914	---	5440	44500	---	5380	---	5070	---	601	434	---
TOTAL	51200	194690	202220	997730	1075800	453930	145760	236850	139739	29079	16777	15631
MEAN	1652	6490	6523	32180	38420	14640	4859	7640	4658	938	541	521
MAX	5250	12200	15300	58500	51000	28700	14500	38700	11700	2790	1090	1000
MIN	651	666	2670	5610	26600	3810	1760	1810	949	599	424	401
CFSM	.36	1.42	1.43	7.06	8.43	3.21	1.07	1.68	1.02	.21	.12	.11
IN.	.42	1.59	1.65	8.15	8.78	3.71	1.19	1.93	1.14	.24	.14	.13
CAL YR 1989	TOTAL	2899206	MEAN	7943	MAX	31200	MIN	593	CFSM	1.74	IN	23.67
WTR YR 1990	TOTAL	3559406	MEAN	9752	MAX	58500	MIN	401	CFSM	2.14	IN	29.06

PEARL RIVER BASIN

02488000 PEARL RIVER AT ROCKPORT, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.95	6.79	14.37	12.27	29.07	23.76	11.83	17.28	16.28	7.15	6.67	6.06
2	11.62	6.56	13.64	13.17	27.76	23.93	11.67	15.95	16.91	7.11	7.42	6.05
3	10.28	6.88	12.56	13.78	27.27	25.24	12.83	13.54	15.63	7.29	7.15	6.02
4	10.00	7.36	11.80	15.42	27.10	24.97	13.34	11.94	15.83	7.81	6.81	6.01
5	10.00	7.41	11.10	19.60	26.67	24.24	13.32	11.19	17.30	7.58	6.61	6.10
6	9.27	7.42	9.97	22.31	25.70	23.62	13.54	10.78	16.96	7.15	6.45	6.11
7	8.31	7.80	10.88	23.96	24.88	23.07	13.40	9.82	15.16	7.01	6.41	6.07
8	7.83	11.05	17.85	25.84	24.37	22.87	12.57	8.74	12.78	6.95	6.34	6.04
9	8.29	15.33	18.66	26.53	25.55	22.72	11.48	9.74	12.34	6.92	6.30	6.01
10	7.61	16.74	17.29	26.84	27.52	22.09	10.90	11.61	13.50	6.89	6.27	6.28
11	6.97	16.86	16.62	26.91	28.20	20.81	11.30	10.57	13.56	6.88	6.24	6.36
12	6.65	16.20	16.01	26.79	28.17	19.28	12.05	10.79	12.47	6.85	6.22	7.04
13	6.59	15.42	15.28	26.58	27.70	16.88	11.60	28.06	10.89	7.17	6.20	6.67
14	6.89	14.88	14.17	26.13	26.73	14.54	10.95	28.57	9.20	8.79	6.18	6.48
15	7.02	14.37	12.93	25.46	27.41	14.50	11.39	24.99	8.48	9.64	6.22	6.39
16	6.97	14.08	11.84	24.66	31.38	16.60	12.19	19.92	9.27	8.57	6.23	6.55
17	7.22	13.95	11.67	23.66	32.16	17.99	10.91	15.63	8.82	7.55	6.20	6.54
18	9.46	13.97	11.72	23.05	31.94	17.52	10.07	13.03	8.66	7.04	6.18	6.30
19	8.59	13.66	11.85	24.48	31.42	17.48	10.11	11.32	9.75	6.93	6.17	6.17
20	7.75	12.92	12.07	25.11	30.69	17.49	10.03	10.29	9.48	6.90	6.19	6.11
21	7.26	11.95	12.28	26.45	30.01	17.08	9.49	9.62	9.20	6.83	6.44	6.13
22	6.96	10.78	11.99	27.14	30.42	16.84	9.05	11.14	8.91	6.87	6.32	6.20
23	6.90	11.03	12.51	27.53	30.94	16.47	8.65	11.85	9.65	7.33	7.01	6.21
24	6.68	12.90	11.37	28.86	30.83	15.87	10.04	11.03	9.62	7.09	6.59	6.07
25	6.61	13.97	10.64	32.69	29.92	15.44	9.64	10.43	8.54	6.88	6.37	6.03
26	6.57	14.61	10.77	33.96	28.49	14.66	8.59	9.84	8.47	6.80	6.28	6.01
27	6.53	14.97	10.75	34.13	26.82	13.55	9.29	8.73	8.63	6.71	6.20	6.00
28	6.68	14.94	10.44	33.61	25.24	12.25	16.86	8.64	8.40	6.72	6.15	6.00
29	6.96	14.82	9.50	32.70	---	11.06	18.83	9.38	7.73	6.68	6.13	6.00
30	6.99	14.84	11.62	31.54	---	12.00	17.79	9.76	7.28	6.62	6.11	5.97
31	6.98	---	12.14	30.35	---	12.58	---	12.10	---	6.62	6.10	---
MEAN	7.88	12.48	12.78	25.53	28.37	18.30	11.79	13.11	11.32	7.20	6.39	6.20
MAX	11.95	16.86	18.66	34.13	32.16	25.24	18.83	28.57	17.30	9.64	7.42	7.04
MIN	6.53	6.56	9.50	12.27	24.37	11.06	8.59	8.64	7.28	6.62	6.10	5.97
CAL YR 1989	MEAN 13.11		MAX 26.38	MIN 6.48								
WTR YR 1990	MEAN 13.36		MAX 34.13	MIN 5.97								

02488500 PEARL RIVER NEAR MONTICELLO, MS

LOCATION.--Lat 31°33'12", long 90°05'16", in SW4 sec.23, T.7 N., R.21 W., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, near left bank on downstream side of pier of bridge on U.S. Highway 84, 1.0 mi east of Monticello, 2.5 mi upstream from Halls Creek, 4.1 mi upstream from Silver Creek and at mile 190.8.

DRAINAGE AREA.--4,993 mi².

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

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

GAGE.--Water-stage recorder. Datum of gage is 158.66 ft above National Geodetic Vertical Datum 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: Oct.16, Apr.5-12, July 2-Aug.16. Records good except for estimated daily discharges, which are poor. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--52 years, 6,776 ft³/s, 18.43 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 122,000 ft³/s, Apr. 20, 1979, gage height, 34.08 ft, minimum, 269 ft³/s, Oct. 24, 1963.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 12	1115	32,500	23.37	Feb 16	1030	69,300	28.77
Jan. 25	2045	*73,400	*29.24	May 14	0130	59,100	27.55

Minimum discharge, 511 ft³/s, Sept. 05.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4520	1200	9040	6750	48100	30100	5390	12000	14300	1080	755	534
2	5590	1070	8260	6630	42700	29900	4720	10800	15200	1090	866	521
3	4310	992	7070	7380	38900	31500	5260	8160	12100	1290	1200	523
4	3550	1300	5890	8490	38300	30600	6180	5570	9950	1260	1050	518
5	3410	1520	5200	14700	36400	28800	6330	4490	11000	1370	871	517
6	3220	1550	4230	20500	33900	26700	6470	3850	11700	1160	728	551
7	2410	1610	4860	24000	31200	24900	6660	3380	10100	968	683	553
8	1800	3070	15500	28800	28900	23500	6100	2420	7210	1120	672	539
9	1770	8020	17100	30700	28500	22800	5010	2610	5430	2000	640	528
10	1820	10900	14900	31500	34300	22100	4270	5200	5970	1090	640	533
11	1360	11800	12600	32100	37900	20300	4440	4560	6780	984	640	649
12	1060	11400	11900	32300	38400	17600	4750	3990	6180	963	636	760
13	916	10500	10500	32100	37700	14000	4780	45900	4780	1000	640	1010
14	909	9720	9110	31500	36200	9720	4240	56500	3230	1440	590	830
15	1080	9070	7250	30400	40300	8470	4120	45300	2100	2400	590	761
16	972	8630	5820	28700	64800	12300	4610	32100	2100	2320	600	720
17	1140	8360	5110	26500	61200	14100	4310	18500	2530	1810	605	783
18	2460	8240	5180	25400	56900	13500	3530	9650	2260	1240	584	757
19	3340	8130	5580	26200	55100	12400	3150	5990	2360	1000	575	674
20	2120	7380	5690	28000	52400	12400	3230	4570	2850	937	569	618
21	1640	6370	5830	31000	49200	11800	2900	3650	2490	911	621	600
22	1300	5070	5510	33000	50400	11300	2630	4080	2310	861	746	608
23	1190	4560	5710	33700	50800	10900	2280	5120	2640	984	731	632
24	1110	5990	5390	40400	50300	10200	2400	4680	3320	1120	1040	610
25	1000	7670	4140	67500	49000	9490	2870	3920	2410	963	778	571
26	964	8620	4010	70000	45400	8730	2280	3430	1890	861	676	554
27	965	9190	4040	65300	40100	7410	2250	2680	1860	808	623	548
28	958	9560	3910	64000	34700	6180	8870	2060	1870	779	586	544
29	1080	9470	3440	62000	---	4650	14100	2440	1590	770	573	541
30	1190	9320	5570	58500	---	4720	13600	2560	1260	765	556	538
31	1210	---	7620	53300	---	5860	---	4570	---	760	545	---
TOTAL	60364	200282	225960	1051350	1212000	496930	151730	324730	159770	36104	21609	18625
MEAN	1947	6676	7289	33910	43290	16030	5058	10480	5326	1165	697	621
MAX	5590	11800	17100	70000	64800	31500	14100	56500	15200	2400	1200	1010
MIN	909	992	3440	6630	28500	4650	2250	2060	1260	760	545	517
CFSM	.39	1.34	1.46	6.79	8.67	3.21	1.01	2.10	1.07	.23	.14	.12
IN.	.45	1.49	1.68	7.83	9.03	3.70	1.13	2.42	1.19	.27	.16	.14

CAL YR 1989 TOTAL 3019433 MEAN 8272 MAX 34000 MIN 666 CFSM 1.66 IN 22.50
WTR YR 1990 TOTAL 3959454 MEAN 10850 MAX 70000 MIN 517 CFSM 2.17 IN 29.50

PEARL RIVER BASIN

02488500 PEARL RIVER NEAR MONTICELLO, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.75	5.60	12.72	11.59	26.12	22.73	11.26	15.87	17.01	6.09	---	4.78
2	10.67	5.36	12.14	11.53	25.35	22.67	10.67	15.16	17.47	---	---	4.75
3	9.59	5.21	11.32	12.07	24.75	23.09	11.15	13.38	15.87	---	---	4.75
4	8.88	5.73	10.46	12.81	24.63	22.85	11.92	11.41	14.59	---	---	4.73
5	8.75	6.07	9.91	16.61	24.27	22.38	---	10.44	15.27	---	---	4.72
6	8.54	6.11	9.08	19.50	23.72	21.75	---	9.82	15.70	---	---	4.80
7	7.63	6.17	9.50	20.86	23.03	21.18	---	9.32	14.68	---	---	4.81
8	6.83	7.89	17.00	22.38	22.40	20.75	---	8.18	12.70	---	---	4.77
9	6.76	11.99	17.87	22.90	22.29	20.51	---	8.38	11.29	---	---	4.73
10	6.83	14.05	16.70	23.09	23.79	20.26	---	11.09	11.75	---	---	4.74
11	6.14	14.70	15.35	23.25	24.57	19.63	---	10.51	12.39	---	---	5.02
12	5.61	14.45	14.92	23.32	24.65	18.52	---	9.79	11.92	---	---	5.26
13	5.33	13.78	13.97	23.26	24.52	16.88	10.72	25.40	10.71	---	---	5.76
14	5.30	13.21	13.06	23.11	24.23	14.44	10.21	27.21	9.14	---	---	5.41
15	5.60	12.74	11.78	22.81	24.85	13.61	10.09	25.71	7.75	---	---	5.26
16	---	12.41	10.74	22.35	28.24	15.97	10.56	23.20	7.76	---	---	5.16
17	5.68	12.21	10.19	21.70	27.80	16.91	10.28	18.80	8.33	---	4.97	5.30
18	7.43	12.12	10.24	21.35	27.27	16.61	9.49	14.37	7.97	---	4.91	5.23
19	8.49	12.04	10.56	21.61	27.04	16.07	9.07	11.75	8.11	---	4.89	5.05
20	7.09	11.53	10.65	22.15	26.69	16.06	9.16	10.52	8.72	---	4.88	4.91
21	6.44	10.82	10.76	22.97	26.26	15.78	8.78	9.62	8.27	---	5.00	4.86
22	5.91	9.80	10.53	23.49	26.43	15.48	8.45	10.05	8.04	---	5.29	4.88
23	5.71	9.38	10.70	23.67	26.48	15.23	8.00	11.02	8.44	---	5.25	4.93
24	5.55	10.52	10.46	24.87	26.41	14.74	8.16	10.62	9.26	---	5.88	4.88
25	5.34	11.72	9.42	28.55	26.23	14.29	8.74	9.89	8.17	---	5.35	4.77
26	5.26	12.40	9.31	28.85	25.74	13.79	8.00	9.38	7.46	---	5.13	4.73
27	5.25	12.82	9.35	28.30	24.94	12.86	7.88	8.51	7.41	---	5.01	4.71
28	5.22	13.10	9.25	28.14	23.89	11.91	13.78	7.70	7.43	---	4.92	4.69
29	5.43	13.03	8.80	27.90	---	10.59	16.89	8.21	7.00	---	4.89	4.69
30	5.62	12.92	10.67	27.47	---	10.65	16.70	8.37	6.43	---	4.85	4.67
31	5.64	---	12.19	26.81	---	11.66	---	10.34	---	---	4.82	---
MEAN	---	10.66	11.60	22.23	25.24	17.09	---	12.71	10.57	---	---	4.93
MAX	---	14.70	17.87	28.85	28.24	23.09	---	27.21	17.47	---	---	5.76
MIN	---	5.21	8.80	11.53	22.29	10.59	---	7.70	6.43	---	---	4.67

02488700 WHITE SAND CREEK NEAR OAK VALE, MS
(formerly published as Whitesand Creek near Oak Vale)

LOCATION.--Lat 31°28'14", long 89°58'25", in SW4 sec.24, T.6 N., R.20 W., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, near left bank on downstream side of bridge on State Highway 43, 1.2 mi upstream from Illinois Central and Gulf Railroad bridge, 2.3 mi north of Oak Vale, and 3.7 mi upstream from mouth.

DRAINAGE AREA.--130 mi².

PERIOD OF RECORD.--September 1965 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 182.20 ft above National Geodetic Vertical Datum of 1929 (Mississippi State Highway Department bench mark).

REMARKS.--Estimated daily discharges: July 15-19. Records fair. Telemeter at station.

AVERAGE DISCHARGE.--25 years, 206 ft³/s, 21.52 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,400 ft³/s, Apr. 13, 1974, gage height, 18.76 ft, minimum, 59 ft³/s, Sept. 12-16, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 28, 29, 1961, reached a stage of 17.11 ft from floodmark, discharge, 15,900 ft³/s. Maximum stage known since at least 1879, 204 ft in April 1900, and flood in January 1925 reached a stage of 17.3 ft from information by local residents.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 25	0730	9,300	14.30	May 13	1530	*19,900	*17.60
Feb. 16	1500	5,580	11.49	May 15	1330	3,140	9.15

Minimum discharge, 79 ft³/s, Oct. 29-30, Nov. 4-5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	132	84	104	571	238	285	227	187	1560	150	136	132
2	121	84	96	305	214	1090	207	170	1020	149	152	130
3	114	82	93	230	320	1190	201	159	428	151	152	140
4	109	81	89	290	759	530	184	155	535	146	155	133
5	109	80	90	480	470	392	180	156	295	148	151	134
6	107	81	91	873	285	336	171	149	241	149	144	132
7	103	94	516	777	304	308	166	154	216	150	131	134
8	104	209	1390	753	285	288	163	143	195	148	134	136
9	101	152	638	474	487	283	163	229	187	151	131	119
10	103	119	249	325	816	274	173	273	177	162	133	125
11	103	98	204	266	808	262	254	190	181	156	133	114
12	104	90	508	232	404	252	206	581	174	153	136	114
13	95	86	393	204	290	245	178	11500	166	182	139	118
14	95	89	229	187	290	241	178	3250	166	177	133	124
15	95	100	180	180	1300	334	225	2100	164	170	143	140
16	94	118	152	172	4090	977	197	928	156	165	145	132
17	103	106	137	169	1790	903	175	414	166	160	146	126
18	126	93	134	408	714	448	163	356	161	155	148	127
19	104	90	180	530	828	315	151	283	159	150	137	122
20	91	88	193	436	576	258	154	229	160	147	129	119
21	90	88	153	734	415	233	162	389	153	148	138	127
22	91	120	130	495	1400	220	166	507	151	155	141	113
23	92	164	113	313	1060	213	175	304	219	144	173	111
24	91	126	105	2250	494	207	175	225	189	143	175	112
25	90	107	106	8040	380	202	160	192	165	154	151	111
26	89	100	110	3010	328	160	154	178	154	150	148	119
27	86	96	112	749	303	---	214	167	154	148	145	122
28	86	104	111	440	293	---	349	181	150	149	146	119
29	86	133	184	477	---	184	247	176	148	148	148	119
30	85	115	394	437	---	235	203	160	151	154	130	118
31	85	---	659	294	---	274	---	1020	---	138	133	---
TOTAL	3084	3177	7843	25101	19941	11532	5721	25105	8141	4750	4436	3722
MEAN	99.5	106	253	810	712	372	191	810	271	153	143	124
MAX	132	209	1390	8040	4090	1190	349	11500	1560	182	175	140
MIN	85	80	89	169	214	180	151	143	148	138	129	111
CFSM	.77	.82	1.95	6.23	5.48	2.86	1.47	6.23	2.09	1.18	1.10	.95
IN.	.88	.91	2.24	7.18	5.71	3.30	1.64	7.18	2.33	1.36	1.27	1.07
CAL YR 1989	TOTAL	66856	MEAN 183	MAX 1390	MIN 79	CFSM 1.41	IN 19.13					
WTR YR 1990	TOTAL	122553	MEAN 336	MAX 11500	MIN 80	CFSM 2.59	IN 35.07					

PEARL RIVER BASIN

02488700 WHITESAND CREEK NEAR OAK VALE, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.66	3.55	3.66	5.10	3.98	4.22	4.23	4.08	7.10	3.88	3.75	3.73
2	3.62	3.55	3.62	4.39	3.90	6.22	4.16	4.02	6.13	3.88	3.81	3.72
3	3.59	3.54	3.61	4.15	4.22	6.47	4.14	3.98	4.83	3.88	3.81	3.76
4	3.57	3.54	3.59	4.34	5.48	4.94	4.08	3.97	5.08	3.86	3.82	3.73
5	3.57	3.54	3.60	4.87	4.68	4.55	4.06	3.97	4.48	3.86	3.80	3.74
6	3.56	3.55	3.60	5.80	4.13	4.39	4.03	3.95	4.31	3.86	3.78	3.73
7	3.55	3.60	4.76	5.59	4.19	4.31	4.01	3.97	4.23	3.86	3.73	3.74
8	3.56	4.05	6.86	5.54	4.13	4.25	4.00	3.92	4.16	3.84	3.74	3.74
9	3.54	3.85	5.22	4.86	4.74	4.24	4.00	4.22	4.13	3.85	3.73	3.68
10	3.56	3.72	4.22	4.46	5.63	4.21	4.04	4.38	4.08	3.89	3.73	3.70
11	3.57	3.63	4.07	4.27	5.61	4.18	4.32	4.10	4.10	3.86	3.73	3.66
12	3.57	3.60	4.94	4.16	4.50	4.15	4.15	4.77	4.06	3.84	3.75	3.66
13	3.54	3.58	4.64	4.07	4.20	4.13	4.05	14.99	4.03	3.95	3.76	3.68
14	3.54	3.60	4.15	4.01	4.19	4.12	4.05	9.08	4.02	3.92	3.73	3.70
15	3.54	3.64	3.98	3.98	6.43	4.40	4.22	7.85	4.01	---	3.77	3.76
16	3.54	3.71	3.88	3.95	10.10	6.02	4.12	5.92	3.98	---	3.78	3.73
17	3.58	3.67	3.82	3.94	7.40	5.87	4.04	4.80	4.01	---	3.78	3.71
18	3.68	3.61	3.81	4.68	5.39	4.85	4.00	4.65	3.99	---	3.79	3.71
19	3.59	3.60	3.98	5.01	5.68	4.50	3.96	4.45	3.98	---	3.75	3.69
20	3.54	3.59	4.03	4.76	5.04	4.33	3.97	4.27	3.97	3.79	3.72	3.68
21	3.54	3.59	3.88	5.49	4.59	4.24	4.00	4.72	3.94	3.79	3.75	3.71
22	3.54	3.72	3.79	4.91	6.86	4.20	4.01	5.02	3.93	3.82	3.77	3.65
23	3.56	3.89	3.73	4.42	6.18	4.18	4.04	4.50	4.16	3.78	3.88	3.65
24	3.55	3.75	3.69	7.46	4.82	4.16	4.04	4.26	4.06	3.77	3.89	3.65
25	3.55	3.67	3.70	13.40	4.50	4.14	3.99	4.15	3.97	3.81	3.80	3.65
26	3.55	3.64	3.71	8.83	4.35	4.10	3.97	4.09	3.93	3.80	3.79	3.68
27	3.54	3.62	3.72	5.43	4.28	4.08	4.15	4.06	3.92	3.79	3.78	3.69
28	3.54	3.66	3.72	4.60	4.25	4.06	4.60	4.11	3.90	3.79	3.78	3.68
29	3.55	3.77	3.98	4.71	---	4.08	4.29	4.09	3.89	3.79	3.79	3.68
30	3.54	3.71	4.65	4.59	---	4.25	4.14	4.03	3.90	3.81	3.72	3.68
31	3.55	---	5.31	4.16	---	4.38	---	5.77	---	3.75	3.73	---
MEAN	3.56	3.66	4.13	5.16	5.12	4.52	4.10	4.97	4.28	---	3.77	3.70
MAX	3.68	4.05	6.86	13.40	10.10	6.47	4.60	14.99	7.10	---	3.89	3.76
MIN	3.54	3.54	3.59	3.94	3.90	4.06	3.96	3.92	3.89	---	3.72	3.65

CAL YR 1989 MEAN 3.87 MAX 6.86 MIN 3.53

LOCATION.--Lat 31°14'14", long 89°50'54", in E½ 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.

PERIOD OF RECORD.--August 1928 to September 1954 (monthly discharge only for January to July 1930, published in WSP 1304). January 1972 to current year (gage heights only). Gage height records collected at same site November 1904 to December 1971 are contained in reports of National Weather Service.

REMARKS.--Records furnished by National Weather Service.

EXTREMES FOR PERIOD OF RECORD.--1928-1954: Maximum discharge, 72,600 ft³/s, Apr. 9, 1938, gage height, 26.40 ft, minimum, 705 ft³/s, Oct. 21, 1952, gage height 0.81 ft.
1904 to current year: Maximum observed gage height, 27.8 ft, Apr. 22, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum observed gage height, 24.60 ft, Jan. 27, minimum observed, 1.30 ft, Oct. 15, 16, 28-30, Nov. 4.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.40	1.50	7.80	8.50	22.40	18.30	6.10	10.10	9.80	2.90	2.30	2.10
2	4.30	1.60	7.60	7.40	21.50	17.50	5.90	9.40	15.30	2.70	2.30	2.10
3	5.30	1.50	7.10	6.90	20.40	17.50	5.40	8.80	13.50	2.60	2.40	2.10
4	4.50	1.30	6.40	7.30	19.80	17.10	5.40	8.80	11.40	2.90	2.40	2.10
5	3.90	1.40	5.40	8.50	19.20	16.70	6.10	8.80	10.10	2.70	2.30	2.10
6	3.70	1.80	5.00	11.20	18.70	16.30	6.20	8.80	9.90	2.90	2.30	2.10
7	3.70	1.90	4.40	13.20	18.00	15.60	6.20	8.70	10.20	2.70	2.30	2.10
8	3.10	2.20	8.20	14.50	17.30	15.00	6.30	5.10	9.50	2.60	2.30	1.70
9	2.50	3.30	12.00	15.40	16.60	14.50	6.00	4.70	8.90	2.50	2.40	1.70
10	2.10	6.40	12.20	15.80	16.40	14.20	5.40	4.20	6.60	3.70	2.10	1.90
11	2.30	8.30	11.40	16.10	17.10	13.90	5.00	5.00	6.90	2.80	2.00	1.90
12	2.00	8.90	10.40	16.30	18.00	13.50	5.00	6.10	7.40	2.50	2.00	1.90
13	1.70	8.90	10.40	16.50	18.30	12.60	5.10	9.30	7.00	2.50	2.10	1.90
14	1.40	8.70	9.30	16.50	18.20	11.20	5.30	19.20	6.50	2.70	2.10	1.90
15	1.30	8.20	8.40	16.40	18.10	9.10	5.20	21.90	5.00	2.70	2.00	1.90
16	1.30	7.80	7.10	16.30	18.70	9.90	5.00	21.50	4.10	3.60	2.00	2.10
17	1.70	7.40	6.10	16.00	22.30	11.00	5.30	19.80	3.80	3.90	2.00	2.10
18	2.00	7.10	5.50	15.70	23.50	11.60	5.10	16.50	4.20	3.40	2.00	1.90
19	2.20	7.00	5.50	15.70	23.20	10.90	4.30	11.10	4.10	2.80	2.00	1.90
20	3.70	7.00	5.90	15.70	22.60	10.20	3.80	7.70	3.90	2.60	2.10	1.80
21	2.90	6.60	5.90	16.00	22.00	10.00	3.90	6.50	4.30	2.40	2.10	1.80
22	2.30	6.00	5.90	16.50	21.70	9.80	3.70	6.20	4.10	2.40	2.10	1.80
23	2.00	5.40	5.60	16.90	21.50	9.50	3.40	6.50	4.00	2.40	2.00	1.60
24	1.80	4.90	5.70	17.20	21.40	9.20	3.10	6.50	4.30	2.30	2.00	1.60
25	1.70	5.60	5.50	20.70	20.90	8.80	2.90	6.10	4.80	2.40	2.00	1.60
26	1.50	6.60	4.70	23.60	20.60	8.30	3.70	5.50	4.10	2.50	2.30	1.60
27	1.40	7.30	4.50	24.60	20.20	7.90	3.30	5.10	3.60	2.40	2.30	1.60
28	1.30	7.70	4.50	24.20	19.50	7.10	3.70	4.80	3.50	2.40	2.10	1.60
29	1.30	8.00	4.60	23.80	---	6.40	7.90	4.20	3.50	2.30	2.10	1.40
30	1.30	7.90	5.00	23.40	---	5.50	10.00	4.20	3.40	2.30	2.10	1.40
31	1.50	---	6.70	22.90	---	5.50	---	4.20	---	2.30	2.10	---
MEAN	2.39	5.61	6.93	16.12	19.93	11.76	5.12	8.88	6.59	2.70	2.15	1.84
MAX	5.30	8.90	12.20	24.60	23.50	18.30	10.00	21.90	15.30	3.90	2.40	2.10
MIN	1.30	1.30	4.40	6.90	16.40	5.50	2.90	4.20	3.40	2.30	2.00	1.40
CAL YR 1989	MEAN 6.91		MAX 18.40	MIN 1.10								
WTR YR 1990	MEAN 7.43		MAX 24.60	MIN 1.30								

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°47'35", long 89°49'15", on line between secs.17 and 18, T.3 S., R.14 E., Washington Parish, Hydrologic Unit 03180004, near right bank on downstream side of bridge on State Highway 10, 2.0 mi east of Bogalusa, and 2.0 mi upstream from Bogue Lusa Creek.

DRAINAGE AREA.--6,573 mi².

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

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

GAGE.--Water-stage recorder. Datum of gage is 55.00 ft above National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 29, 1954, nonrecording gage at same site and datum.

REMARKS.--Records good. Several measurements of water temperature were made during the year.

AVERAGE DISCHARGE.--52 years, 9,983 ft³/s, 20.62 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 129,000 ft³/s, Apr. 24, 1979, gage height, 23.23 ft; minimum, 1,020 ft³/s, Oct. 29 to Nov. 1, 1963; minimum gage height, 4.84 ft, Oct. 30, 31, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 11, 1938, reached a stage of 21.0 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 98,700, ft³/s, Jan. 29, gage height, 21.77 ft; minimum discharge, 1,860 ft³/s, Sept. 30, gage height, 7.72 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3240	2600	10600	12500	73700	51500	8870	14900	11500	4140	2450	1980
2	3690	2690	10300	13500	67300	50300	8820	16300	29100	3830	2460	1970
3	4870	2740	9960	11400	61400	48100	8490	15500	34300	3570	2480	1950
4	5770	2700	9150	10300	58700	45100	7980	13700	36700	3450	2510	1960
5	5310	2570	8050	13100	55300	42600	7910	10700	32200	3580	2720	1940
6	4820	2580	6980	16600	52600	40800	8390	8170	23900	3550	2720	1900
7	4640	2930	6770	22000	49300	38700	8610	6690	18900	3590	2580	1880
8	4530	4150	9450	29100	46900	36900	8630	5940	17500	3490	2410	1880
9	4120	4530	17100	32800	44300	35800	8650	5650	15700	3320	2300	1890
10	3670	4820	22500	34500	43400	34600	8250	5510	12300	3500	2230	1930
11	3430	7400	24300	35400	41900	33400	7770	5610	10000	4190	2170	2240
12	3430	10100	24600	36100	41000	32300	7510	6570	10100	3750	2140	2130
13	3230	11600	24200	36700	41100	31100	7090	7680	10200	3490	2110	2150
14	2970	12700	21600	37100	42600	29200	7090	20000	9710	3530	2090	2260
15	2790	16600	17100	37300	44300	26300	7750	31100	8320	3570	2070	2450
16	2690	16800	13500	37400	46200	27800	8050	42400	6640	3610	2040	2430
17	2770	13900	10600	37300	49100	31100	7310	57000	5410	4280	2020	2270
18	2970	11100	8700	37900	60100	31400	7200	54800	5090	4620	2010	2160
19	3120	9750	7880	37900	85300	29400	6720	47100	5200	4170	2010	2120
20	3400	9210	8090	37400	85100	25600	5900	35300	5060	3630	2010	2110
21	4130	8900	8300	37300	72800	22100	5390	20100	5010	3420	2070	2060
22	3800	8320	8080	37200	70500	20000	5320	11900	5220	3230	2070	2030
23	3400	7840	7840	37300	70400	18700	5160	9900	5250	3030	2070	2010
24	3110	7640	7470	38500	63600	17500	4910	9090	5670	2940	2510	1970
25	2910	6630	7450	47700	59100	16400	4570	8840	5890	2920	2620	1940
26	2800	6950	7100	70800	56800	15100	4520	8170	5770	2980	2590	1940
27	2690	8230	6330	88900	55100	13700	4870	7250	5060	2890	2450	1930
28	2600	9280	6040	95400	53400	12200	4840	7120	4520	2750	2220	1910
29	2550	10200	6030	96100	---	10600	6470	7900	4330	2660	2100	1890
30	2520	10700	6250	88000	---	9530	10700	6600	4280	2550	2040	1870
31	2510	---	8700	80200	---	9270	---	5820	---	2490	2000	---
TOTAL	108480	236160	351020	1283700	1591300	887100	213740	513310	358830	106720	70270	61150
MEAN	3499	7872	11320	41410	56830	28620	7125	16560	11960	3443	2267	2038
MAX	5770	16800	24600	96100	85300	51500	10700	57000	36700	4620	2720	2450
MIN	2510	2570	6030	10300	41000	9270	4520	5510	4280	2490	2000	1870
CFSM	.53	1.20	1.72	6.30	8.65	4.35	1.08	2.52	1.82	.52	.34	.31
IN.	.61	1.34	1.99	7.27	9.01	5.02	1.21	2.91	2.03	.60	.40	.35
CAL YR 1989	TOTAL 4573890		MEAN 12530		MAX 39800		MIN 2220		CFSM 1.91		IN. 25.89	
WTR YR 1990	TOTAL 5781780		MEAN 15840		MAX 96100		MIN 1870		CFSM 2.41		IN. 32.72	

02490500 BOGUE CHITTO NEAR TYLERTOWN, MS

LOCATION.--Lat 31°10'37", long 90°16'48", in SEM sec.34, T.3 N., R.9 E., Washington Meridian, Pike County, Hydrologic Unit 03180005, near right bank on downstream side of bridge on U.S. Highway 98, 0.2 mi upstream from Bars Branch, 2.2 mi downstream from Topisaw Creek, and 9.2 mi northwest of Tylertown.

DRAINAGE AREA.--492 mi².

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

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

GAGE.--Water-stage recorder. Datum of gage is 227.40 ft above National Geodetic Vertical Datum of 1929.

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

AVERAGE DISCHARGE.--46 years, 803 ft³/s, 22.16 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 64,200 ft³/s, Apr. 7, 1983, gage height, 34.62 ft, minimum, 175 ft³/s Oct. 31, 1963, minimum gage height, 5.93 ft, Sept. 30, 1982.

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

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 25	1430	*43,400	^a 31.75	May 14	1600	17,700	^a 22.68
Feb. 17	0230	22,200	^a 25.07				

^a outside gage

Minimum daily discharge, 253 ft³/s, Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1710	258	437	3740	1330	729	668	1770	2180	360	340	273
2	1730	260	378	2730	949	3320	558	759	3000	357	510	277
3	851	256	350	1540	1010	3870	652	599	2640	379	413	275
4	448	254	335	1290	2270	3740	554	531	2090	389	363	271
5	366	257	328	2520	2280	2480	496	491	1070	373	341	269
6	330	259	328	3870	2290	1140	466	461	742	363	319	267
7	310	272	978	4190	1300	863	445	441	607	352	309	264
8	296	346	4710	5250	943	744	432	427	538	346	302	265
9	283	1090	4270	4290	1090	680	424	548	498	389	298	267
10	276	772	4640	3360	3180	650	452	820	513	592	294	272
11	272	508	2600	1700	3690	600	662	1000	857	584	292	282
12	269	384	1800	1030	2770	561	895	607	504	620	289	297
13	266	346	1680	806	1590	536	623	2770	453	675	287	302
14	264	335	1020	689	977	518	519	13100	433	495	285	294
15	263	352	771	628	1960	645	508	8490	424	411	284	325
16	269	532	627	577	10300	2170	554	3250	414	382	283	328
17	439	478	538	548	16300	2260	518	1370	414	378	284	290
18	455	446	501	2160	6830	1370	460	975	818	378	283	273
19	576	368	541	3530	4300	923	432	822	693	369	288	266
20	430	339	709	3230	2730	717	421	688	475	359	317	262
21	329	327	709	3670	1890	618	416	1230	419	353	348	266
22	300	381	562	2960	4570	568	412	1530	394	348	540	267
23	289	553	477	2500	4170	538	426	1190	446	341	396	266
24	279	498	430	4700	3210	516	419	793	691	338	325	257
25	273	445	406	38300	2090	494	408	627	830	335	389	254
26	269	394	402	27700	1120	475	398	554	523	330	370	254
27	265	375	401	8470	888	462	825	571	419	325	318	256
28	263	422	397	3480	777	454	4030	1170	389	322	295	254
29	262	412	533	2490	---	456	3500	879	374	317	288	254
30	261	533	1490	2420	---	596	3440	665	366	312	282	253
31	258	---	2890	2190	---	712	---	664	---	311	279	---
TOTAL	13151	12452	36238	146558	86804	34405	25013	49792	24214	12183	10211	8200
MEAN	424	415	1169	4728	3100	1110	834	1606	807	393	329	273
MAX	1730	1090	4710	38300	16300	3870	4030	13100	3000	675	540	328
MIN	258	254	328	548	777	454	398	427	366	311	279	253
CFSM	.86	.84	2.38	9.61	6.30	2.26	1.70	3.26	1.64	.80	.67	.56
IN.	.99	.94	2.74	11.08	6.56	2.60	1.89	3.76	1.83	.92	.77	.62
CAL YR 1989	TOTAL	274087	MEAN	751	MAX	8620	MIN	211	CFSM	1.53	IN	20.72
WTR YR 1990	TOTAL	459221	MEAN	1258	MAX	38300	MIN	253	CFSM	2.56	IN	34.72

TENNESSEE RIVER BASIN

TENNESSEE RIVER MAIN STEM

03589500 TENNESSEE RIVER AT FLORENCE, AL

LOCATION.--Lat 34°47'13", long 87°40'12", in SW4 sec. 14, T. 3 S., R. 11 W., Lauderdale County, Hydrologic Unit 06030005, on right bank at lower end of Patton Island, 137 ft upstream from Southern Railway bridge, 700 ft upstream from O'Neal Bridge on U.S. Highway 72, 1.1 mi south of Florence Post Office, 1.7 mi upstream from Cypress Creek, 2.7 mi downstream from Wilson Dam, and at mile 256.7.

DRAINAGE AREA.--30,810 mi², approximately.

PERIOD OF RECORD.--November 1871 to September 1894 (gage heights only), October 1894 to current year.

REVISED RECORD.--WSP 473: 1897(M). WSP 1306: 1914(M), 1936 (monthly runoff). WSP 1436: 1897, 1899, 1916.

GAGE.--Water-stage recorder. Datum of gage is 401.12 ft above National Geodetic Vertical Datum of 1929. Prior to Apr. 1, 1926, several National Weather Service staff gages at or near Southern Railway bridge 137 ft downstream at same datum. Apr. 1, 1926, to Mar. 11, 1958, water-stage recorder on left bank at lower end of old lock and dam, 1,400 ft upstream at same datum. Since Oct. 1, 1938, auxiliary water-stage recorder 15.2 mi downstream.

REMARKS.--Estimated daily discharges: Oct. 1-25. Records fair except those below 25,000 ft³/s, which are poor. Slight regulation since 1924 by Wilson Lake and increasing regulation since 1936 as other reservoirs have been built above station. Flow now almost completely regulated.

AVERAGE DISCHARGE.--96 years, 51,680 ft³/s, 22.78 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 530,000 ft³/s, Mar. 17, 1973, maximum gage height, 32.5 ft, Mar. 19, 1897; minimum daily discharge, 105 ft³/s, Sept. 7, 1969 (computed on basis of Wilson Dam records), minimum gage height, -0.30 ft, Oct. 8, 1925, caused by filling of Wilson Lake.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1867 reached a stage of 31.1 ft, from National Weather Service records, discharge, 421,000 ft³/s.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 318,000 ft³/s, Oct. 2, maximum gage height, 21.91 ft, Oct. 2; minimum daily discharge, 15,300 ft³/s, Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	e233000	56900	94300	62700	150000	119000	32300	32600	53300	21400	39100	18100
2	e284000	56300	72300	87400	151000	122000	44700	43600	35500	21400	36100	28300
3	e227000	50600	71000	91200	164000	121000	49100	50600	40400	17600	36600	31700
4	e219000	56500	85400	103000	201000	124000	43500	50100	56000	18800	33600	39700
5	e199000	48300	75200	103000	189000	122000	30900	47000	51900	20300	29400	40300
6	e160000	53500	66300	111000	183000	133000	44300	50600	52300	20300	41600	44700
7	e117000	52400	76500	125000	179000	130000	20800	49600	50900	19900	37700	44700
8	e108000	59100	83600	135000	178000	129000	17000	49100	51600	19700	40800	26500
9	e108000	68500	80200	143000	178000	121000	33300	48100	34200	39900	44000	25400
10	e74700	69000	76400	142000	199000	124000	34600	59600	30700	31500	40800	32700
11	e84700	68700	74800	139000	186000	120000	34900	75500	40000	28100	33500	34600
12	e81000	72500	70400	135000	178000	98700	32700	67400	38200	29100	27900	29300
13	e82300	62200	78900	114000	176000	83400	28400	55000	38700	40500	42900	25600
14	e65700	60800	74300	111000	174000	90500	17900	46600	39000	51300	38900	27500
15	e75800	61300	75400	97200	175000	116000	17000	57900	36800	17300	44600	29100
16	e73800	87500	80300	92600	214000	151000	19400	53200	43400	36000	41900	20400
17	e78400	101000	72000	89700	254000	193000	17800	48000	32400	35800	48500	26900
18	e72000	101000	70500	96100	269000	174000	23200	31200	31700	42300	31200	29400
19	e69300	100000	68100	90500	268000	164000	23200	51900	31700	43600	32000	29600
20	e69000	101000	68500	93500	257000	170000	18200	39500	34700	40300	46600	35100
21	e63800	100000	78100	105000	243000	165000	35600	63900	30700	27500	43200	27900
22	e60700	100000	77500	114000	224000	166000	64600	74800	28100	31200	45300	21200
23	e63600	101000	79200	126000	197000	131000	47400	63500	29600	37200	38900	21400
24	e58900	100000	75900	140000	172000	97500	37700	48500	26300	38400	35100	25600
25	e63000	99700	72500	148000	161000	82500	38300	51100	26900	41500	40900	25700
26	58500	99700	54300	128000	154000	93000	36700	45700	20300	42700	39500	23000
27	55500	100000	40600	117000	135000	86200	28500	29400	34500	42300	51000	25500
28	54500	100000	35900	107000	124000	66700	28000	40500	34600	37500	45200	26100
29	53200	101000	38200	111000	---	64700	23200	49000	31400	22200	45000	17100
30	57400	95400	30800	138000	---	71500	32200	51500	29000	41000	21000	15300
31	55000	---	46900	153000	---	58800	---	51100	---	40500	31000	---
TOTAL	3125800	2383900	2144300	3548900	5333000	3688500	955400	1576100	1114800	997100	1203800	848400
MEAN	100800	79460	69170	114500	190500	119000	31850	50840	37160	32160	38830	28280
MAX	284000	101000	94300	153000	269000	193000	64600	75500	56000	51300	51000	44700
MIN	53200	48300	30800	62700	124000	58800	17000	29400	20300	17300	21000	15300
CFSM	3.27	2.58	2.25	3.72	6.18	3.86	1.03	1.65	1.21	1.04	1.26	.92
IN.	3.77	2.88	2.59	4.28	6.44	4.45	1.15	1.90	1.35	1.20	1.45	1.02

CAL YR 1989 TOTAL 27421600 MEAN 75130 MAX 284000 MIN 10000 CFSM 2.44 IN. 33.11
WTR YR 1990 TOTAL 26920000 MEAN 73750 MAX 284000 MIN 15300 CFSM 2.39 IN. 32.50

e Estimated

03592718 LITTLE YELLOW CREEK EAST NEAR BURNSVILLE, MS

LOCATION.--Lat 34°50'05", long 88°17'14", in SE¼ sec.7, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, on right bank at bridge on county road 0.2 mi northeast of Walker Siding and 2.0 mi east of Burnsville.

DRAINAGE AREA.--24.7 mi², Tennessee Valley Authority.

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

REVISED RECORDS.--WDR MS-78-1: 1973 (M), 1976 (M).

GAGE.--Water-stage recorder. Datum of gage is 429.51 ft Mississippi Highway Department datum.

REMARKS.--Estimated daily discharges: May 22-23, June 1-2 and June 11 to Aug. 27. Records fair except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--17 years, 42.8 ft³/s, 23.51 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, not determined Dec. 26, 1982 (corrected), gage height, 21.74 ft, minimum, 1.5 ft³/s Sept. 9, 1984.

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 3,180 ft³/s, gage height, 19.12 ft was measured Mar. 16, 1973.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 31	0745	923	14.48	Feb. 10	0630	1,420	15.90
Feb. 4	0015	*2,580	*18.20				

Minimum recorded discharge, 3.5 ft³/s Aug. 31, Sept. 1,2,7,8, but may have been less during period of no gage height record.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	119	15	16	124	24	47	34	220	12	6.5	4.0	3.5
2	46	13	16	59	120	219	31	200	12	6.2	3.9	3.7
3	27	14	15	42	1210	140	28	71	162	6.0	3.8	4.1
4	18	13	14	123	1290	70	28	80	39	5.8	3.8	4.0
5	14	13	15	70	141	54	28	102	22	5.6	3.8	3.7
6	12	144	16	120	84	46	54	52	19	5.4	5.0	3.6
7	11	60	15	76	61	43	40	37	17	5.2	4.5	3.7
8	10	108	20	100	47	202	30	25	17	5.1	4.2	3.6
9	9.9	53	36	48	113	195	27	22	16	5.0	4.0	4.7
10	9.5	28	31	32	848	104	35	21	17	5.0	3.9	5.7
11	9.4	22	23	26	145	68	34	16	12	5.0	3.9	9.3
12	9.3	19	20	20	92	55	26	23	10	5.6	3.9	14
13	9.3	18	17	16	74	49	24	43	9.4	5.4	3.9	48
14	9.4	110	16	15	64	45	24	19	9.0	5.2	3.9	9.5
15	9.4	153	16	14	88	322	25	17	10	5.0	3.9	6.6
16	9.7	150	13	13	140	247	23	12	10	4.8	3.8	5.1
17	41	51	12	18	74	118	26	18	9.0	4.7	3.8	4.6
18	18	36	14	61	62	69	32	12	10	4.6	3.7	4.1
19	13	28	36	27	58	55	23	20	12	4.6	3.7	6.3
20	12	25	23	382	49	47	22	363	16	4.7	3.6	12
21	11	23	16	180	46	44	176	237	12	4.5	5.0	6.1
22	11	88	11	71	87	43	90	121	10	6.0	4.2	5.7
23	10	93	7.6	40	60	39	46	54	8.4	11	4.0	4.7
24	9.6	39	7.7	32	47	37	35	34	8.1	9.0	3.9	4.2
25	9.3	32	10	31	40	33	28	24	7.7	7.0	3.8	4.4
26	9.9	28	13	19	38	38	24	21	7.4	6.0	3.7	4.4
27	11	25	16	16	37	37	22	23	7.2	5.6	3.7	4.3
28	12	22	17	15	33	32	64	23	7.1	5.0	3.8	4.1
29	13	18	20	158	---	42	32	17	6.9	4.7	3.8	4.0
30	14	17	98	68	---	49	24	14	6.7	4.4	3.9	4.2
31	14	---	494	33	---	41	---	15	---	4.2	3.7	---
TOTAL	541.7	1458	1094.3	2049	5172	2630	1135	1956	521.9	172.8	122.5	205.9
MEAN	17.5	48.6	35.3	66.1	185	84.8	37.8	63.1	17.4	5.57	3.95	6.86
MAX	119	153	494	382	1290	322	176	363	162	11	5.0	48
MIN	9.3	13	7.6	13	24	32	22	12	6.7	4.2	3.6	3.5
CFSM	.71	1.97	1.43	2.68	7.49	3.43	1.53	2.56	.70	.23	.16	.28
IN.	.82	2.20	1.65	3.09	7.79	3.96	1.71	2.95	.79	.26	.18	.31

CAL YR 1989	TOTAL	20812.7	MEAN	57.0	MAX	1320	MIN	4.0	CFSM	2.31	IN	31.34
WTR YR 1990	TOTAL	17059.1	MEAN	46.7	MAX	1290	MIN	3.5	CFSM	1.89	IN	25.69

TENNESSEE RIVER BASIN

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS

LOCATION.--Lat 34°54'51", long 88°14'48", in SE¼ sec.9, T.2 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, at northern end of Tennessee-Tombigbee Waterway, near bridge on State Highway 25, 0.9 mi southeast of Cross Roads.

WATER-STAGE RECORDS

PERIOD OF RECORD.--December 1980 to current year (gage heights only).

REVISED RECORD.--WRD MS-84-1:1983 (M,m).

GAGE.--Water-stage recorder. Datum of gage is 400.00 ft above National Geodetic Vertical Datum of 1929.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 18.24 ft, May 9, 1984, minimum, 7.62 ft, Feb. 10, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.50 ft, Oct. 5; minimum, 8.28 ft, Jan 20.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.77	10.25	9.49	10.18	9.23	9.21	13.00	14.30	12.82	13.53	12.39	11.90
2	13.87	10.31	9.41	10.68	9.40	9.08	13.46	14.07	13.21	13.75	12.21	12.13
3	15.86	10.28	8.97	10.21	10.71	9.08	13.59	14.47	13.58	13.69	12.02	12.33
4	16.62	10.52	8.87	10.41	13.37	8.88	13.73	14.00	14.66	13.79	12.08	12.21
5	17.39	10.50	8.98	10.64	13.60	8.54	13.83	13.92	14.02	13.63	12.47	12.16
6	17.25	10.61	8.77	10.74	13.27	8.88	13.68	14.25	13.44	13.48	12.15	12.12
7	16.13	10.23	8.77	11.13	12.81	9.34	13.56	14.44	13.57	13.39	12.11	12.15
8	15.17	9.72	9.15	11.13	12.46	9.80	13.38	14.37	---	13.59	12.15	12.55
9	14.28	9.63	9.44	11.03	12.18	10.04	13.29	14.24	---	13.80	12.23	12.66
10	13.03	9.57	9.39	10.88	13.36	10.14	13.28	13.76	---	13.79	12.27	12.42
11	12.00	9.42	9.14	10.70	13.72	10.03	13.26	14.01	---	13.53	12.26	12.23
12	11.40	9.31	8.81	10.60	13.12	9.64	13.26	14.42	---	13.35	12.27	12.08
13	10.98	9.19	9.04	10.09	12.19	9.14	13.14	14.60	---	13.16	11.80	12.11
14	10.71	9.20	9.10	9.65	11.20	9.02	13.30	13.85	---	12.92	11.75	11.94
15	10.56	9.34	8.86	8.84	10.15	9.39	13.43	13.87	---	13.29	12.18	12.00
16	10.24	9.22	9.40	8.77	9.85	10.32	13.56	13.44	---	13.05	11.74	12.03
17	10.77	9.49	9.64	8.69	10.28	11.16	13.57	13.61	---	12.88	11.40	11.91
18	10.42	9.57	9.59	8.82	11.09	11.83	13.59	---	---	12.77	11.78	11.83
19	10.54	9.68	9.44	8.67	11.75	12.01	13.72	---	---	12.69	11.84	11.84
20	10.55	9.74	9.28	8.73	11.98	12.25	13.75	14.42	---	12.67	12.01	11.92
21	10.55	9.80	9.56	9.93	11.58	12.43	14.01	14.60	---	12.73	11.92	11.76
22	10.31	9.90	9.96	9.96	11.13	12.41	14.69	14.96	---	13.11	11.74	11.68
23	10.00	10.14	10.12	9.91	10.83	12.25	14.79	15.01	---	13.42	11.58	11.37
24	10.15	10.30	10.60	9.74	11.06	11.30	14.93	14.77	---	13.38	11.48	11.30
25	10.20	10.33	11.03	9.50	10.63	10.77	15.01	14.54	---	12.99	11.63	11.26
26	10.37	10.32	10.30	9.45	10.32	10.50	14.76	14.49	---	12.67	12.55	11.24
27	10.50	10.27	9.83	9.24	9.74	11.37	14.57	14.83	---	12.59	13.01	11.13
28	10.43	9.96	9.67	8.99	9.44	12.26	14.39	15.02	---	12.66	12.86	11.01
29	10.20	9.72	9.67	8.69	---	12.16	14.31	14.44	13.48	12.87	12.65	11.19
30	10.24	9.70	9.82	8.95	---	12.31	14.49	13.75	13.19	12.53	12.52	11.29
31	10.14	---	10.08	9.24	---	12.51	---	13.08	---	12.38	12.01	---
MEAN	12.02	9.87	9.49	9.81	11.44	10.58	13.84	---	---	13.16	12.10	11.86
MAX	17.39	10.61	11.03	11.13	13.72	12.51	15.01	---	---	13.80	13.01	12.66
MIN	10.00	9.19	8.77	8.67	9.23	8.54	13.00	---	---	12.38	11.40	11.01

03592824 TENNESSEE-TOMBIGBEE WATERWAY AT CROSS ROADS, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1980 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1980 to September 1985.

pH: April 1980 to September 1985.

WATER TEMPERATURE: April 1980 to September 1985.

TURBIDITY: April 1980 to September 1985.

DISSOLVED OXYGEN: April 1980 to September 1985.

SUSPENDED SEDIMENT CONCENTRATION: October 1980 to September 1985.

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

							OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)		
DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)			
NOV									
28...	1706	1.00	69	7.2	12.0	9.9	93		
28...	1707	5.00	69	7.2	12.0	9.9	93		
28...	1708	10.0	70	7.2	12.0	9.8	92		
28...	1709	13.0	70	7.2	12.0	9.7	91		
MAR									
13...	0921	1.00	72	6.8	15.0	9.4	94		
13...	0922	5.00	72	6.8	14.5	9.4	93		
13...	0923	10.0	72	6.8	14.5	9.4	93		
13...	0924	12.0	72	6.8	14.5	9.3	92		
MAY									
30...	0916	1.00	71	6.9	22.0	7.0	81		
30...	0917	5.00	70	6.9	22.0	6.9	80		
30...	0918	10.0	70	6.9	22.0	6.9	80		
30...	0919	15.0	70	6.9	22.0	6.9	80		
30...	0920	17.0	70	6.9	22.0	6.9	80		
AUG									
07...	0841	1.00	145	7.6	27.5	6.9	88		
07...	0842	5.00	145	7.6	27.5	6.8	87		
07...	0843	10.0	145	7.5	27.5	6.8	87		
07...	0844	15.0	145	7.5	27.5	6.8	87		
07...	0845	16.0	145	7.5	27.5	6.8	87		
DATE	TIME	GAGE HEIGHT (FEET) (00065)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CALCIUM DIS- SOLVED (MG/L) AS CA (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L) AS MG (00925)
NOV									
28...	1705	9.92	40	12	24.5	0.6	57	7.8	1.5
MAR									
13...	0920	8.93	40	27	22.2	1.0	51	8.1	1.4
MAY									
30...	0915	13.43	30	12	16.3	0.4	59	9.1	1.4
AUG									
07...	0840	12.07	10	2.8	28.5	1.1	K13	19	3.4
DATE	ALKA- LITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUB- PENDEED (MG/L) (00530)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV									
28...	19	6.5	2.3	0.20	41	16	0.040	0.010	0.23
MAR									
13...	15	11	2.0	0.05	45	58	0.140	0.040	0.53
MAY									
30...	22	6.1	1.7	<0.10	49	27	0.140	0.050	0.20
AUG									
07...	52	10	5.2	<0.10	73	10	<0.020	<0.010	0.22
DATE	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	PHENOLS TOTAL (UG/L) (32730)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)	
NOV									
28...	0.040	0.020	1400	130	<1	--	1.10	<0.100	
MAR									
13...	0.030	<0.020	2500	240	<1	--	1.10	<0.100	
MAY									
30...	0.030	<0.020	1400	150	<1	--	0.500	<0.100	
AUG									
07...	0.050	0.040	440	150	<1	0.02	3.00	0.200	

MISSISSIPPI RIVER MAIN STEM

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN
(National stream-quality accounting network station)

LOCATION.--Lat 35°07'37", long 90°04'25", Shelby County, Hydrologic Unit 08010100, on left bank 50 ft downstream from Harahan Bridge at Memphis, 1.3 mi downstream from Beale Street gage, 3.5 mi downstream from Wolf River, 62.4 mi upstream from St. Francis River, and at mile 734.8.

DRAINAGE AREA.--932,800 mi², approximately.

PERIOD OF RECORD.--

Discharge: January 1933 to current year. Monthly discharge only for some periods, published in WSP 1311.

Gage heights: October 1934 to September 1951 and October 1952 to current year in reports of Geological Survey. Since November 1871, at Beale Street gage, in reports of Mississippi River Commission, December 1890 to August 1932 at Beale Street gage, September 1932 to December 1934 at nonrecording gage 1,000 ft downstream, and since December 1934 water-stage recorder at present site, in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 183.91 ft above National Geodetic Vertical Datum of 1929. Prior to Apr. 16, 1934, Beale Street nonrecording gage 1.3 mi upstream at present datum. Apr. 16 to Dec. 21, 1934, nonrecording gage 1,000 ft downstream at present datum.

REMARKS.--Flow regulated by many locks, dams, and reservoirs.

COOPERATION.--Records furnished by U.S. Army Corps of Engineers.

AVERAGE DISCHARGE.--57 years, 484,500 ft³/s, 351,000,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,980,000 ft³/s, Feb. 8, 1937; maximum gage height, 48.69 ft, Feb. 10, 1937; minimum discharge, 79,200 ft³/s, Aug. 26, 1936; minimum gage height, -10.70 ft, July 10-11, 1988.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage prior to 1937, 46.55 ft, Apr. 9, 1913, at Beale Street gage or about 45.2 ft at present site.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,170,000 ft³/s, Feb. 24; maximum gage height, 31.29 ft; minimum daily discharge, 194,000 ft³/s Dec. 30; minimum gage height, -3.70 ft Dec. 30.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	453000	334000	380000	196000	601000	1120000	666000	539000	1110000	669000	452000	409000
2	428000	302000	371000	203000	621000	1100000	643000	517000	1110000	654000	422000	408000
3	407000	287000	366000	222000	664000	1070000	618000	497000	1100000	635000	406000	407000
4	399000	272000	364000	270000	715000	1010000	585000	482000	1100000	614000	409000	401000
5	414000	268000	362000	349000	766000	922000	557000	483000	1100000	592000	415000	392000
6	437000	274000	360000	443000	830000	814000	534000	496000	1100000	577000	406000	379000
7	446000	281000	352000	527000	885000	722000	503000	511000	1090000	560000	398000	368000
8	456000	298000	339000	611000	928000	683000	481000	541000	1080000	542000	395000	363000
9	462000	297000	322000	642000	963000	676000	464000	601000	1060000	524000	395000	366000
10	458000	295000	307000	658000	992000	645000	452000	655000	1040000	514000	402000	362000
11	443000	289000	301000	661000	1000000	609000	439000	685000	1010000	510000	410000	352000
12	423000	290000	301000	648000	1010000	592000	433000	685000	979000	511000	413000	350000
13	397000	300000	298000	619000	1020000	580000	444000	664000	947000	507000	406000	352000
14	367000	316000	300000	580000	1020000	572000	466000	633000	908000	504000	389000	341000
15	337000	329000	303000	537000	1030000	585000	487000	611000	869000	509000	375000	321000
16	317000	335000	303000	504000	1050000	607000	507000	604000	832000	516000	364000	307000
17	314000	336000	297000	485000	1070000	623000	525000	618000	794000	521000	352000	303000
18	299000	336000	287000	471000	1080000	654000	552000	660000	743000	533000	340000	300000
19	289000	350000	278000	445000	1100000	723000	564000	743000	688000	555000	334000	293000
20	291000	381000	270000	418000	1120000	796000	573000	850000	651000	574000	326000	288000
21	306000	410000	254000	403000	1140000	852000	573000	933000	649000	582000	318000	283000
22	331000	448000	232000	428000	1150000	888000	556000	990000	670000	578000	316000	281000
23	371000	485000	219000	483000	1160000	917000	532000	1040000	676000	578000	323000	285000
24	417000	507000	215000	539000	1150000	925000	514000	1070000	674000	577000	341000	287000
25	471000	510000	209000	585000	1140000	923000	516000	1100000	673000	561000	365000	281000
26	508000	495000	200000	614000	1130000	912000	527000	1120000	679000	543000	389000	273000
27	524000	469000	197000	625000	1130000	886000	535000	1120000	682000	534000	411000	268000
28	514000	437000	196000	627000	1120000	841000	552000	1120000	688000	533000	423000	268000
29	478000	413000	197000	634000	---	778000	566000	1120000	689000	527000	428000	267000
30	423000	397000	194000	630000	---	722000	560000	1120000	680000	510000	429000	264000
31	376000	---	195000	615000	---	691000	---	1110000	---	484000	423000	---
TOTAL	12556000	10741000	8769000	15672000	27585000	24438000	15924000	23918000	26071000	17128000	11975000	9819000
MEAN	405000	358000	282900	505500	985200	788300	530800	771500	869000	552500	386300	327300
MAX	524000	510000	380000	661000	1160000	1120000	666000	1120000	1110000	669000	452000	409000
MIN	289000	268000	194000	196000	601000	572000	433000	482000	649000	484000	316000	264000
CAL YR 1989	TOTAL	201494000	MEAN	552000	MAX	1160000	MIN	186000				
WTR YR 1990	TOTAL	204596000	MEAN	560500	MAX	1160000	MIN	194000				

07268000 LITTLE TALLAHATCHIE RIVER AT ETTA, MS

LOCATION.--Lat 34°29'00", long 89°13'30", in SE4SW4 sec.8, T.7 S., R.1 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, on right bank at downstream side of bridge on State Highway 30, 0.8 mi northeast of Etta, 3.8 mi upstream from Puskus Creek, 5.0 mi downstream from Locks Creek, 12.3 mi west of New Albany, and 55.0 mi upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--526 mi².

PERIOD OF RECORD.--September 1938 to current year. November 1936 to May 1937 (gage heights and discharge measurements only) in reports of U. S. Army Corps of Engineers, Vicksburg district. Prior to October 1971 published as Tallahatchie River at Etta.

REVISED RECORDS.--WSP 897: Drainage area. WSP 1211: 1948, 1949(M).

GAGE.--Water-stage recorder. Datum of gage is 273.48 ft above National Geodetic Vertical Datum 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. 16-23, and Feb. 19-Mar. 14. Records good except for estimated daily discharges, which are poor. U.S. Army Corp of Engineers telemeter at station.

AVERAGE DISCHARGE.--52 years, 860 ft³/s, 22.20 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 85,200 ft³/s, May 19, 1983, maximum gage height, 29.32 ft, Mar. 22, 1955, minimum discharge, 4.1 ft³/s, Oct. 3, 16, 1938.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 13,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 4	0800	*42,500	28.01	Feb. 10	1800	25,300	26.27

Minimum discharge, 19 ft³/s, Sept. 8, 9, 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2290	64	166	3660	701	850	569	672	466	62	86	20
2	551	62	159	1090	4510	2550	498	1020	520	58	95	21
3	299	60	143	749	15800	11400	431	757	3350	56	96	20
4	179	59	130	2540	34700	5200	402	572	1540	51	45	21
5	136	61	140	1410	10100	2000	388	497	519	47	40	22
6	116	2200	141	2950	2370	1400	754	436	397	46	41	20
7	102	1670	130	1320	1400	1050	746	386	330	45	36	20
8	85	904	197	1760	1180	1800	498	339	272	67	32	20
9	79	606	423	960	2420	4000	453	336	227	44	30	20
10	76	296	462	698	19300	4400	471	359	327	41	29	28
11	73	189	349	607	9110	1600	536	274	217	44	29	48
12	70	146	265	539	2170	1100	410	441	173	44	28	167
13	68	130	194	477	1250	920	362	1870	155	63	28	596
14	67	666	169	464	1050	1000	365	553	206	60	36	88
15	67	1850	164	449	1930	2610	409	387	1430	45	34	45
16	65	4020	148	434	9190	2620	363	311	419	39	29	35
17	153	828	135	438	2920	1330	339	241	240	39	28	31
18	139	495	210	1630	1160	895	488	180	290	39	27	28
19	93	392	243	945	960	742	350	166	184	42	27	28
20	87	335	286	6470	920	641	314	1940	145	77	25	101
21	81	293	181	6920	860	594	1390	7570	125	174	24	41
22	77	699	148	1800	1700	563	1110	4120	126	42	26	39
23	72	1610	177	898	4100	528	553	1100	124	41	24	37
24	69	543	128	850	2100	498	436	640	101	40	24	31
25	66	414	156	925	840	470	352	506	89	37	24	29
26	65	354	217	666	710	491	303	439	84	34	23	30
27	62	315	271	587	640	504	367	434	79	32	23	30
28	60	256	262	560	600	483	9870	498	72	31	22	29
29	60	187	190	3680	---	701	3860	367	67	30	22	28
30	59	165	774	1870	---	837	1080	308	74	30	21	28
31	61	---	7720	857	---	789	---	432	---	32	20	---
TOTAL	5527	19869	14478	49203	134691	54566	28467	28151	12348	1532	1074	1701
MEAN	178	662	467	1587	4810	1760	949	908	412	49.4	34.6	56.7
MAX	2290	4020	7720	6920	34700	11400	9870	7570	3350	174	96	596
MIN	59	59	128	434	600	470	303	166	67	30	20	20
CFSM	.34	1.26	.89	3.02	9.14	3.35	1.80	1.73	.78	.09	.07	.11
IN.	.39	1.41	1.02	3.48	9.53	3.86	2.01	1.99	.87	.11	.08	.12

CAL YR 1989	TOTAL	450620	MEAN	1235	MAX	24500	MIN	52	CFSM	2.35	IN	31.87
WTR YR 1990	TOTAL	351607	MEAN	963	MAX	34700	MIN	20	CFSM	1.83	IN	24.87

07273100 HOTOPHA CREEK NEAR BATESVILLE, MS

LOCATION.--Lat 34°21'50", long 89°52'42", in NW4NW4 sec. 30, T. 8 S., R. 6 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030201, on left bank at upstream side of bridge on State Highway 35, 1.2 mi upstream from mouth, 3.6 mi downstream from Harris Creek, and 4.4 mi northeast of Batesville.

DRAINAGE AREA.--35.1 mi²

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1986 to current year.

GAGE.--Two water-stage recorders and crest-stage gage. Datum of gage is 195.45 ft above National Geodetic Vertical Datum of 1929.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,430 ft³/s, Feb. 3, 1990, gage height, 15.12 ft; minimum, 2.1 ft³/s, July 31, Aug. 1, 1986.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,430 ft³/s, Feb. 3, gage height, 15.12 ft; minimum, 4.4 ft³/s, Aug. 30, 31, Sept. 1.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975, 1986 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1986 to February 1987.

pH: February to March 1987.

WATER TEMPERATURE: April 1986 to March 1987.

SUSPENDED SEDIMENT CONCENTRATION: March 1986 to current year.

SUSPENDED SEDIMENT DISCHARGE: March 1986 to current year.

INSTRUMENTATION.--Automatic pumping sediment sampler since March 1986.

REMARKS.--Unpublished records of daily specific conductance, pH, and water temperature during selected storm events are available in files of District office.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 4,460 mg/L, Feb. 3, 1990; minimum daily mean, 1 mg/L, on several days during October 1989.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 63,800 tons, Feb. 3, 1990; minimum daily, 0.01 ton, on several days during October 1989.

EXTREMES FOR CURRENT YEAR.--

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 4,460 mg/L, Feb. 3; minimum daily mean, 1 mg/L, on several days during October.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 63,800 tons, Feb. 3; minimum daily, 0.01 ton, on several days during October.

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SED. SUSP. FALL DIAM. % FINER THAN (70337)	SED. SUSP. FALL DIAM. % FINER THAN (70338)	SED. SUSP. FALL DIAM. % FINER THAN (70339)	SED. SUSP. FALL DIAM. % FINER THAN (70340)	SED. SUSP. FALL DIAM. % FINER THAN (70341)	SED. SUSP. FALL DIAM. % FINER THAN (70342)	SED. SUSP. FALL DIAM. % FINER THAN (70343)	SED. SUSP. FALL DIAM. % FINER THAN (70344)	SED. SUSP. FALL DIAM. % FINER THAN (70345)
MAY 21...	1345	906	18	20	27	45	74	85	90	98	100

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN (80164)	BED MAT. SIEVE DIAM. % FINER THAN (80165)	BED MAT. SIEVE DIAM. % FINER THAN (80166)	BED MAT. SIEVE DIAM. % FINER THAN (80167)	BED MAT. SIEVE DIAM. % FINER THAN (80168)	BED MAT. SIEVE DIAM. % FINER THAN (80169)	BED MAT. SIEVE DIAM. % FINER THAN (80170)
JUN 13...	1502	25.0	1	1	2	53	90	96	99
13...	1504	50.0	1	1	6	68	94	96	98
13...	1506	75.0	1	1	6	66	94	97	99
AUG 22...	0717	25.0	<1	1	20	94	100	--	--
22...	0719	50.0	1	1	14	84	99	--	--
22...	0721	75.0	1	1	15	73	93	96	98

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

MAR	07...	--	--	--	--	--	--	--	--	--	--
MAY	30...	--	<0.010	--	<0.01	--	<0.010	--	<0.010	--	<0.01
AUG	22...	<0.1	--	<0.1	--	<0.1	--	<0.1	--	<0.1	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

[illegible]

07273100 HOTOPHA CREEK NEAR BATESVILLE, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

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	26	40	1.1	8.2	6	.05	12	20	.24
2	17	25	.37	8.1	6	.04	12	42	.51
3	14	21	.23	7.8	4	.03	11	29	.35
4	13	9	.09	7.6	4	.03	11	17	.20
5	12	3	.03	7.4	5	.04	11	16	.18
6	10	1	.01	465	1270	2220	12	16	.19
7	10	1	.01	71	116	15	12	20	.24
8	9.4	2	.01	103	362	138	15	24	.36
9	9.2	2	.02	32	48	2.0	19	23	.47
10	8.6	5	.04	19	22	.49	20	20	.44
11	8.4	8	.06	13	17	.26	18	19	.34
12	8.4	3	.02	12	15	.18	16	20	.31
13	8.4	1	.01	14	47	.76	19	40	1.1
14	8.4	1	.01	80	348	91	16	23	.35
15	8.2	2	.01	217	863	1400	15	24	.35
16	8.6	2	.01	89	252	60	24	26	.66
17	9.9	1	.01	19	45	1.1	17	28	.47
18	9.9	1	.01	13	12	.16	15	30	.45
19	9.8	2	.02	11	15	.16	18	30	.59
20	9.3	4	.03	10	20	.21	32	34	1.2
21	9.2	3	.03	9.4	20	.18	23	36	.94
22	9.2	2	.02	74	172	71	18	33	.68
23	9.2	2	.02	43	122	8.0	18	41	.81
24	9.0	1	.01	21	27	.64	19	44	.97
25	8.8	1	.01	18	19	.36	22	46	1.2
26	8.5	1	.01	17	20	.36	23	49	1.4
27	8.4	2	.01	16	20	.34	22	59	1.5
28	8.4	2	.02	14	15	.22	19	69	1.6
29	8.4	2	.02	13	17	.22	17	78	1.6
30	8.4	3	.02	12	16	.18	188	553	520
31	8.4	4	.03	---	---	---	549	1460	3670
JANUARY			FEBRUARY			MARCH			
1	102	233	51	69	89	6.6	54	91	3.8
2	30	157	6.7	531	1510	4010	293	453	476
3	20	72	2.2	4160	4460	63800	160	103	25
4	302	1170	1420	321	1280	1590	74	43	2.4
5	94	151	26	172	485	117	54	50	1.8
6	171	208	102	175	373	91	45	45	1.3
7	96	129	44	173	383	85	130	258	210
8	161	177	91	155	314	51	947	1440	5170
9	61	48	5.5	263	710	1660	236	302	248
10	39	47	3.4	762	1580	6770	97	64	23
11	32	55	3.2	181	262	68	39	64	11
12	27	86	3.9	139	121	16	128	255	164
13	24	90	3.5	112	89	9.0	65	170	48
14	24	49	1.9	101	99	8.8	23	72	7.4
15	24	54	2.0	153	148	42	661	1030	2970
16	23	77	2.7	182	306	119	221	244	162
17	30	76	3.6	84	129	9.2	110	75	20
18	158	185	83	69	111	6.1	60	49	6.5
19	82	53	6.8	66	124	6.5	37	36	2.9
20	350	1220	1810	60	120	5.6	29	36	2.2
21	150	149	50	58	122	5.5	26	35	2.0
22	75	81	8.8	295	1210	1270	24	23	1.2
23	56	57	4.2	157	138	26	24	26	1.3
24	48	58	3.6	93	80	6.2	22	26	1.2
25	44	46	2.6	51	52	1.9	21	25	1.1
26	38	114	5.1	49	65	3.1	23	23	1.1
27	36	79	3.3	39	38	1.0	24	21	1.0
28	38	49	2.0	35	49	1.1	76	113	60
29	333	657	837	---	---	---	114	121	41
30	146	103	23	---	---	---	177	133	69
31	85	94	9.1	---	---	---	79	42	7.3

07273100 HOTOPHA CREEK NEAR BATESVILLE, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

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	45	27	2.4	25	38	1.8	27	130	11
2	36	22	1.5	24	26	1.2	29	90	8.7
3	30	22	1.3	23	26	1.1	52	150	32
4	28	25	1.3	20	24	.88	25	67	5.1
5	26	28	1.4	17	22	.71	15	53	2.4
6	337	357	428	16	21	.61	12	45	1.5
7	109	88	25	15	20	.53	12	33	1.1
8	46	43	4.2	14	19	.46	11	27	.86
9	34	22	1.6	14	17	.43	11	37	1.2
10	44	44	4.8	14	17	.42	70	217	52
11	42	35	3.3	13	17	.39	38	105	11
12	30	28	1.9	108	319	239	20	55	3.1
13	26	24	1.4	121	219	94	14	38	1.4
14	42	56	6.9	33	47	3.1	12	29	.90
15	41	43	4.4	24	33	1.5	11	22	.66
16	32	25	1.8	22	35	1.4	11	20	.60
17	29	20	1.4	20	33	1.1	11	18	.53
18	32	17	1.3	18	30	.92	10	17	.48
19	29	15	1.1	19	30	.93	9.9	18	.49
20	27	14	.87	267	1170	1400	9.6	20	.51
21	220	698	951	637	1200	3140	13	94	4.7
22	107	184	48	155	252	98	15	221	9.2
23	44	105	8.6	43	100	7.4	12	103	3.4
24	29	72	3.8	22	58	2.1	11	52	1.5
25	23	55	2.2	16	42	1.1	9.8	40	1.1
26	20	44	1.5	14	35	.77	9.9	41	1.1
27	142	412	821	20	116	5.3	9.5	41	1.1
28	408	625	1100	14	48	1.2	9.0	38	.90
29	85	74	14	12	78	1.6	9.0	36	.84
30	36	67	4.5	9.7	51	.85	8.7	40	.91
31	---	---	---	112	646	324	---	---	---
JULY			AUGUST			SEPTEMBER			
1	8.4	28	.62	8.6	27	.74	4.5	14	.22
2	8.6	24	.53	10	55	1.9	4.8	11	.19
3	10	28	.72	11	50	1.7	5.0	9	.16
4	11	33	.88	9.2	37	1.0	5.0	8	.15
5	8.4	32	.68	8.4	34	.87	5.0	9	.15
6	8.6	30	.62	8.6	32	.80	5.0	9	.16
7	8.6	27	.55	7.6	13	.29	5.0	10	.18
8	8.1	24	.47	7.3	13	.29	4.9	12	.21
9	11	62	2.9	7.1	15	.32	4.8	14	.24
10	11	128	3.6	7.1	18	.37	4.9	16	.29
11	8.5	41	.81	6.8	20	.39	5.3	21	.40
12	10	19	.45	6.6	21	.42	6.9	26	.64
13	13	19	.61	9.0	26	.72	6.8	18	.44
14	12	21	.59	8.0	24	.59	6.2	11	.25
15	9.9	26	.62	7.8	19	.44	5.9	10	.22
16	8.9	32	.71	7.2	16	.34	5.4	10	.20
17	8.0	30	.60	6.8	14	.29	5.1	10	.19
18	8.0	30	.62	6.6	13	.26	4.9	10	.19
19	8.6	32	.72	6.3	12	.24	5.4	11	.20
20	9.1	34	.85	6.3	12	.23	6.0	12	.24
21	9.6	33	.86	5.6	11	.21	6.5	14	.29
22	17	114	34	5.5	12	.21	7.0	15	.33
23	116	1120	882	5.5	8	.15	6.0	13	.26
24	15	105	6.0	5.5	8	.15	5.5	12	.21
25	10	37	1.4	5.5	10	.19	5.8	10	.19
26	8.5	24	.75	5.5	13	.23	5.5	9	.17
27	7.8	19	.54	5.5	13	.25	5.5	11	.19
28	7.1	17	.43	5.5	14	.25	5.5	13	.23
29	7.0	15	.37	5.5	14	.26	5.8	15	.29
30	7.1	15	.36	5.3	14	.26	5.7	18	.34
31	7.4	18	.44	4.4	15	.23	---	---	---

07274000 YOCONA RIVER NEAR OXFORD, MS

LOCATION.--Lat 34°16'23", long 89°31'11", in SE¼NW¼ 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.--254 mi², revised.

PERIOD OF RECORD.--October 1951 to current year in reports of Geological Survey. 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 National Geodetic Vertical Datum of 1929. Prior to Jan. 1, 1972, at datum 5.00 ft higher.

REMARKS.--Estimated daily discharges: Nov. 17 - 30, Dec. 21 - 28, Jan. 1 - 12, Feb. 17 - Mar. 14, Apr. 3 - 6, Apr. 12 - 21, Apr. 26 - 27, May 7 - 12, May 15 - 20, May 26 - 31, and June 11 - 20. Records good, except for Aug. 4 to Sept. 30, which are fair, and all estimated discharges, which are poor. U.S. Army Corps of Engineers telemeter at station.

AVERAGE DISCHARGE.--44 years, 390 ft³/s, 20.85 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,100 ft³/s, Mar. 21, 1955, gage height, 28.72 ft, present datum, from rating curve extended above 22,000 ft³/s, minimum, 4.4 ft³/s, Sept. 14, 1954.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Feb. 4	0345	*10,100	*26.21	No other peaks above base.			

Minimum discharge, 14 ft³/s, Sept. 1, 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	736	40	94	424	495	1900	535	1280	771	39	38	15
2	375	40	90	363	1580	2300	464	1030	757	37	59	15
3	183	38	87	355	5760	2400	390	642	2360	39	41	16
4	124	39	82	468	8090	1800	365	309	1970	35	22	17
5	98	40	81	419	3000	1300	320	266	1200	34	21	17
6	82	1080	79	501	1430	1080	545	227	723	32	25	17
7	71	792	80	491	1030	1150	507	208	458	32	26	16
8	63	615	97	501	836	1120	405	197	319	30	23	16
9	58	380	128	501	930	1080	365	180	257	28	19	15
10	56	220	139	424	4820	940	375	165	298	29	20	17
11	51	157	129	368	2780	780	419	148	220	29	20	46
12	50	126	115	303	1340	650	370	240	175	33	21	43
13	48	108	102	248	922	740	350	709	130	46	28	38
14	46	194	95	219	679	1300	330	429	115	38	36	37
15	44	330	91	202	707	1710	405	240	160	31	30	37
16	44	366	83	188	3220	1530	375	210	190	27	25	35
17	102	243	78	191	1900	1110	355	185	90	25	25	32
18	60	196	77	472	1350	848	335	165	78	26	24	31
19	58	178	94	536	880	673	320	155	80	27	24	32
20	52	160	95	2420	660	558	305	500	62	27	25	32
21	48	142	94	2370	880	505	930	2600	74	26	31	33
22	46	158	97	1620	810	468	1150	1520	90	24	23	33
23	45	184	89	1010	720	434	850	1040	73	32	19	30
24	43	160	70	732	580	416	578	601	59	30	18	28
25	42	166	59	624	480	389	490	350	52	26	17	23
26	41	168	65	482	435	397	380	255	51	25	17	21
27	40	156	80	382	470	400	595	235	49	24	16	21
28	40	139	83	321	900	408	5460	295	48	23	17	22
29	40	114	84	1070	---	493	2760	255	44	22	17	22
30	39	97	164	894	---	556	1740	235	42	21	17	23
31	39	---	650	752	---	632	---	505	---	42	16	---
TOTAL	2864	6826	3451	19851	47684	30067	22768	15376	10995	939	760	780
MEAN	92.4	228	111	640	1703	970	759	496	367	30.3	24.5	26.0
MAX	736	1080	650	2420	8090	2400	5460	2600	2360	46	59	46
MIN	39	38	59	188	435	389	305	148	42	21	16	15
CFSM	.35	.87	.42	2.44	6.50	3.70	2.90	1.89	1.40	.12	.09	.10
IN.	.41	.97	.49	2.82	6.77	4.27	3.23	2.18	1.56	.13	.11	.11
CAL YR 1989	TOTAL	180292	MEAN 494	MAX 7880	MIN 34	CFSM 1.89	IN 25.60					
WTR YR 1990	TOTAL	162361	MEAN 445	MAX 8090	MIN 15	CFSM 1.70	IN 23.05					

YAZOO RIVER BASIN

07274251 TOWN CREEK AT WATER VALLEY, MS

LOCATION.--Lat 34°08'50", long 89°38'02", NE¼ sec.8, T.11 S., R.4 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, 30 feet upstream of triple box culvert on right bank, 0.3 mi south of the intersection of Mississippi State Highways 7 and 315, on Mississippi State Highway 7 in Water Valley.

DRAINAGE AREA.--2.25 mi².

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder, crest-stage gage, and culvert control. Datum of gage is 276.00 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good below 3.0 ft³/s and fair above.

AVERAGE DISCHARGE.--5 years, 4.80 ft³/s, 28.97 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,630 ft³/s, Feb. 3, 1990, gage height, 10.58 ft. minimum, 1.5 ft³/s, July 2, 1986, Aug. 2, 1990.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,630 ft³/s, Feb. 3, gage height, 10.58 ft. minimum, 1.5 ft³/s, Aug. 2.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	1.9	2.1	2.6	2.2	19	2.9	3.9	2.3	2.2	2.3	2.7
2	2.0	1.9	2.0	2.5	25	45	2.8	3.6	2.2	2.6	2.0	2.6
3	2.0	1.9	2.0	2.9	338	7.2	2.6	3.4	16	2.3	2.3	2.8
4	1.9	1.9	2.1	5.5	40	4.8	2.6	3.2	3.0	2.2	1.9	2.6
5	1.9	1.9	2.3	5.2	13	3.9	2.7	3.1	2.4	2.2	2.2	2.6
6	2.0	21	2.0	5.5	9.6	3.5	5.1	3.3	2.3	2.2	2.4	2.6
7	2.0	2.2	2.4	4.7	7.7	5.4	3.2	2.9	2.3	2.2	2.5	2.5
8	2.0	5.4	2.8	3.8	6.3	55	2.7	2.8	2.2	2.2	2.4	2.5
9	2.0	2.0	2.3	2.8	39	20	2.6	2.8	6.1	2.3	2.8	2.5
10	2.0	2.0	2.0	2.7	61	6.5	2.8	2.8	2.5	3.8	3.0	2.5
11	2.0	2.0	2.0	2.7	6.9	5.0	2.6	2.8	2.2	2.5	3.2	3.7
12	2.0	2.0	2.1	2.6	5.0	7.5	2.5	8.9	2.2	2.9	3.3	2.9
13	2.0	2.0	2.0	2.5	4.1	4.7	2.5	3.7	2.2	2.9	4.6	3.2
14	2.0	7.5	2.0	2.5	3.6	4.0	3.3	3.0	2.2	2.3	4.1	2.9
15	2.1	9.7	2.0	2.5	58	29	2.3	3.0	2.2	2.3	2.9	2.8
16	2.3	2.3	2.0	2.5	23	8.0	2.3	3.0	2.3	2.3	2.9	2.8
17	2.6	2.0	2.0	5.5	6.4	5.5	2.7	2.9	2.2	2.4	2.8	2.6
18	2.1	2.0	2.1	4.6	4.8	4.4	2.3	2.8	2.2	2.3	2.7	2.6
19	2.1	2.1	2.2	2.7	4.0	3.8	2.3	3.1	2.2	2.3	2.6	2.7
20	2.0	2.1	2.0	55	3.4	3.4	2.3	10	2.1	2.4	2.7	2.7
21	1.9	2.2	2.0	4.4	3.2	3.2	34	57	2.8	2.4	2.6	2.7
22	1.9	3.8	2.0	3.0	23	3.2	4.8	4.8	2.3	2.4	2.6	2.1
23	1.8	2.0	1.9	2.6	4.8	3.0	3.6	3.3	2.1	2.7	2.6	2.0
24	1.7	2.0	2.0	3.1	3.5	2.9	3.4	2.9	2.2	2.4	2.8	2.0
25	1.8	2.0	2.0	2.4	3.0	3.0	3.1	2.6	2.2	2.4	2.8	2.0
26	1.8	2.0	2.0	2.3	2.8	3.8	3.0	2.5	2.2	2.4	3.0	2.0
27	1.8	2.0	2.0	2.2	2.8	3.0	29	3.9	2.2	2.5	2.9	2.0
28	1.7	2.0	2.1	2.6	5.3	3.6	20	2.4	2.2	2.5	2.9	2.1
29	1.8	2.0	2.1	6.5	---	3.7	5.8	2.3	2.2	2.5	2.9	2.1
30	1.8	2.0	6.0	2.5	---	4.3	4.4	2.4	2.2	2.5	2.7	2.2
31	1.9	---	17	2.3	---	3.4	---	3.7	---	5.1	2.7	---
TOTAL	60.9	97.8	83.5	155.2	709.4	282.7	166.2	162.8	85.9	78.6	86.1	76.0
MEAN	1.96	3.26	2.69	5.01	25.3	9.12	5.54	5.25	2.86	2.54	2.78	2.53
MAX	2.6	21	17	55	338	55	34	57	16	5.1	4.6	3.7
MIN	1.7	1.9	1.9	2.2	2.2	2.9	2.3	2.3	2.1	2.2	1.9	2.0
CFSM	.87	1.45	1.20	2.23	11.2	4.05	2.46	2.33	1.27	1.13	1.24	1.12
IN.	1.01	1.62	1.38	2.56	11.72	4.67	2.75	2.69	1.42	1.30	1.42	1.26

CAL YR 1989 TOTAL 2004.2 MEAN 5.49 MAX 111 MIN 1.7 CFSM 2.44 IN 33.12
WTR YR 1990 TOTAL 2045.1 MEAN 5.60 MAX 338 MIN 1.7 CFSM 2.49 IN 33.80

07274251 TOWN CREEK AT WATER VALLEY, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1976, 1988 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT								
24...	1800	1.7	74	6.5	19.0	9.1	290	160
24...	2400	1.7	74	6.4	16.0	7.9	K1100	1100
25...	0600	1.7	72	6.5	15.5	8.0	K6300	320
25...	1200	1.7	79	6.5	16.0	9.5	E16000	1700
25...	1800	1.7	72	6.5	17.5	8.9	K350	410
25...	2400	1.7	71	6.4	16.5	9.0	3500	820
26...	0600	1.7	72	6.4	15.0	9.5	780	290
26...	1200	1.9	79	6.5	16.0	10.8	K11000	280
26...	1800	1.9	81	6.7	17.5	9.5	--	7900
JUL								
12...	1800	2.5	77	6.9	20.0	8.2	>6000	1600
12...	2400	3.2	72	6.7	19.5	7.7	>6000	E33000
13...	0600	2.3	64	6.6	18.5	7.6	>6000	4100
13...	1200	4.4	72	6.6	20.0	8.2	E4400	K15000
13...	1800	2.5	74	6.7	21.5	8.2	4200	3600
13...	2400	2.3	72	6.7	18.5	8.1	4500	800
14...	0600	2.3	60	6.9	17.0	8.5	2300	840
14...	1200	2.3	68	6.8	19.0	8.7	2800	580
14...	1800	2.3	69	6.8	20.5	8.2	6800	480

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDEDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (T/DAY) (80155)
OCT							
24...	0.560	<0.010	0.020	<0.010	0.5	--	--
24...	0.510	0.070	0.040	0.020	0.7	--	--
25...	0.500	0.030	0.030	0.010	0.8	--	--
25...	0.510	0.250	0.080	0.050	0.9	--	--
25...	0.590	<0.010	0.020	<0.010	0.5	--	--
25...	0.480	0.020	0.020	<0.010	0.4	--	--
26...	0.600	0.010	0.020	<0.010	0.7	--	--
26...	0.500	0.110	0.060	0.030	0.8	--	--
26...	0.500	0.270	0.100	0.060	1.1	--	--
JUL							
12...	0.500	0.090	0.190	0.080	6.1	303	1.6
12...	0.500	0.030	0.120	0.040	5.7	--	--
13...	0.500	0.040	0.070	0.020	2.4	--	--
13...	0.500	0.080	0.070	0.030	3.8	--	--
13...	0.600	0.050	0.370	0.010	8.4	--	--
13...	0.500	0.050	0.070	0.020	2.1	--	--
14...	0.500	0.050	0.030	<0.010	1.4	--	--
14...	0.500	0.040	0.020	<0.010	1.2	--	--
14...	0.500	0.050	0.040	0.020	1.4	--	--

07274252 OTOUCALOFA CREEK CANAL NEAR WATER VALLEY, MS

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

DRAINAGE AREA.--97.1 mi²

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 250.95 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Oct. 1-21, May 23-July 30. Records good except for estimated daily discharges, which are fair.

AVERAGE DISCHARGE.--5 years, 146 ft³/s, 20.42 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 17,500 ft³/s, Feb. 3, 1990, gage height, 17.11 ft; minimum, 11 ft³/s, Sept. 29, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17,500 ft³/s, Feb. 3, gage height, 17.11 ft; minimum, 15 ft³/s, Sept. 3.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1985 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1985 to July 1987.

pH: October 1985 to July 1987.

WATER TEMPERATURE: June 1985 to July 1987.

DISSOLVED OXYGEN: August 1985 to July 1987.

SUSPENDED SEDIMENT CONCENTRATION: July 1985 to current year.

SUSPENDED SEDIMENT DISCHARGE: July 1985 to current year.

INSTRUMENTATION.--Automatic pumping sediment sampler since July 1985.

REMARKS.--Unpublished records of daily specific conductance, pH, water temperature, and dissolved oxygen during selected storm events are available in files of District office.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 5,060 mg/L, Feb. 3, 1990; minimum daily mean, 3 mg/L, Sept. 21-22, 1985.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 123,000 tons, Feb. 3, 1990; minimum daily, 0.22 ton, Sept. 22, 1985.

EXTREMES FOR CURRENT YEAR.--

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 5,060 mg/L, Feb. 3; minimum daily mean, 11 mg/L, Nov. 5.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 123,000 tons, Feb. 3; minimum daily, 0.76 ton, Nov. 5.

07274252 OTOUCALOFA CREEK CANAL NEAR WATER VALLEY, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT							
02...	1200	50	59	6.1	22.0	7.4	--
18...	1030	42	60	6.9	14.5	9.4	--
24...	1815	34	60	6.7	19.5	9.2	300
25...	0015	33	60	6.8	16.5	9.0	190
25...	0615	30	56	6.7	15.0	8.8	K120
25...	1215	35	52	6.8	16.5	9.3	K410
25...	1815	35	51	6.8	18.0	9.4	180
26...	0015	31	78	6.7	17.0	9.2	680
26...	0615	30	54	6.2	14.0	10.4	K310
26...	1215	29	52	6.7	16.0	10.4	560
26...	1815	31	52	6.8	16.5	9.5	K5
31...	1215	28	69	6.7	17.0	9.0	--
NOV							
14...	1630	75	64	6.3	18.0	8.2	--
28...	1330	51	65	6.5	14.0	9.9	--
DEC							
13...	1330	52	56	6.9	5.0	12.5	--
JAN							
03...	1030	98	61	6.8	7.0	11.8	--
09...	1500	150	59	7.0	9.5	10.8	--
22...	1540	227	43	6.5	9.5	10.5	--
FEB							
05...	1215	485	42	6.8	9.0	11.1	--
21...	1105	142	25	7.2	10.5	10.2	--
MAR							
06...	1515	148	53	6.8	13.5	9.7	--
21...	1230	141	44	6.3	12.0	10.3	--
APR							
03...	1300	110	66	6.8	14.5	10.3	--
18...	0930	129	63	7.1	12.0	9.8	--
30...	1225	200	44	7.0	20.0	9.6	--
MAY							
15...	1545	78	57	7.4	27.0	7.4	--
30...	1530	140	61	6.4	24.5	7.6	--
JUN							
13...	1235	64	61	6.9	25.0	6.5	--
27...	1025	38	68	7.1	23.0	8.0	--
JUL							
11...	1130	42	67	6.8	26.0	9.4	--
12...	1830	39	71	7.0	24.5	7.4	1100
13...	0030	37	66	6.9	22.0	6.9	>6000
13...	0630	37	61	6.8	21.0	7.1	>6000
13...	1220	37	68	6.9	23.5	8.2	K1800
13...	1830	37	68	6.9	26.5	7.1	220
14...	0030	30	73	6.9	22.0	7.0	1100
14...	0620	30	--	7.1	19.5	7.3	480
14...	1220	30	71	7.0	23.0	8.0	420
14...	1820	30	70	7.0	26.5	7.4	2400
24...	1500	34	54	6.3	30.5	7.2	--
AUG							
07...	1000	33	84	7.0	21.5	8.7	--
21...	1315	24	80	7.2	30.5	8.0	--
SEP							
04...	1515	34	60	6.6	31.0	7.0	--
18...	1415	26	85	6.8	27.0	8.2	--

YAZOO RIVER BASIN

07274252 OTOUCALOKA CREEK CANAL NEAR WATER VALLEY, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT						
02...	--	0.330	0.510	0.620	0.540	5.1
18...	--	0.230	0.100	0.420	0.340	4.2
24...	250	0.380	0.080	0.130	0.090	1.8
25...	240	0.390	0.100	0.240	0.170	1.9
25...	400	0.320	0.110	0.150	0.100	1.7
25...	100	0.300	0.080	0.120	0.080	1.7
25...	560	0.280	0.070	0.120	0.070	1.6
26...	300	0.270	0.120	0.500	0.420	2.8
26...	320	0.320	0.070	0.100	0.070	1.7
26...	180	0.210	0.080	0.110	0.070	1.6
26...	150	0.310	0.070	0.110	0.070	1.6
31...	--	0.250	0.120	0.410	0.330	2.4
NOV						
14...	--	0.150	0.040	0.200	0.100	4.6
28...	--	0.530	0.080	0.730	0.640	0.1
DEC						
13...	--	0.460	0.110	0.380	0.330	1.9
JAN						
03...	--	0.260	0.250	0.190	0.170	2.8
09...	--	0.220	0.170	0.130	0.100	2.9
22...	--	0.220	0.190	0.200	0.120	2.9
FEB						
05...	--	0.240	0.200	0.260	0.110	3.1
21...	--	0.670	0.080	0.280	0.200	2.1
MAR						
06...	--	0.530	0.050	0.210	0.160	2.0
21...	--	0.300	0.030	0.060	0.040	1.8
APR						
03...	--	0.540	0.070	0.260	0.230	2.4
18...	--	0.400	0.110	0.290	0.260	3.3
30...	--	0.150	0.050	0.090	0.060	2.9
MAY						
15...	--	0.300	0.060	0.070	0.040	3.7
30...	--	0.300	0.170	0.390	0.300	4.0
JUN						
13...	--	0.200	0.110	0.270	0.160	4.1
27...	--	0.200	0.090	0.280	0.220	3.0
JUL						
11...	--	0.200	0.150	0.250	0.200	3.3
12...	3000	0.300	0.180	0.260	0.210	4.3
13...	8300	0.200	0.140	0.240	0.200	4.5
13...	5600	0.200	0.170	0.280	0.220	4.9
13...	2900	0.200	0.180	0.280	0.210	4.7
13...	1100	0.200	0.150	0.270	0.210	4.8
14...	840	0.200	0.230	0.330	0.280	4.5
14...	800	0.200	0.170	0.300	0.260	3.9
14...	160	0.200	0.180	0.290	0.250	3.8
14...	180	0.200	0.170	0.290	0.240	3.8
24...	--	0.300	0.290	0.300	0.260	4.4
AUG						
07...	--	0.300	0.190	0.380	0.330	3.2
21...	--	0.240	0.300	0.380	0.360	1.2
SEP						
04...	--	0.170	0.200	0.360	0.290	2.7
18...	--	0.370	0.230	0.340	0.310	1.4

07274252 OTOUCALOFA CREEK CANAL NEAR WATER VALLEY, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	COLOR	HARD-	CALCIUM	MAGNE-	SODIUM,	SODIUM	SODIUM	POTAS-	ALKA-	SULFATE	CHLO-
		(PLAT- INUM- COBALT UNITS) (00080)	NESS TOTAL (MG/L AS CACO3) (00900)	DIS- SOLVED (MG/L AS CA) (00915)	SIUM, DIS- SOLVED (MG/L AS MG) (00925)	DIS- SOLVED (MG/L AS NA) (00930)		RATIO SORP- TION (00931)	SIUM, DIS- SOLVED (MG/L AS K) (00935)	LINITY LAB (MG/L AS CACO3) (90410)		
OCT 25...	1215	10	13	3.1	1.2	4.6	41	0.6	1.2	12	2.4	4.1
MAR 06...	1515	--	--	--	--	--	--	--	--	--	--	--
MAY 30...	1530	--	--	--	--	--	--	--	--	--	--	--
JUL 14...	0620	50	18	4.4	1.6	6.4	42	0.7	1.5	20	6.1	4.1
AUG 21...	1315	--	--	--	--	--	--	--	--	--	--	--
DATE		FLUO-	SILICA,	SOLIDS,	SOLIDS,	SOLIDS,	SOLIDS,	ALUM-	ARSENIC	CADMIUM	CADMIUM	CHRO-
		RIDE, DIS- SOLVED (MG/L AS F) (00950)	DIS- SOLVED (MG/L AS SIO2) (00955)	RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	DIS- SOLVED (TONS PER AC-FT) (70303)	DIS- SOLVED (TONS PER DAY) (70302)	INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	TOTAL IN BOT- TOM MA- TERIAL (UG/L AS AS) (01002)	TOTAL RECOV- ERABLE (UG/L AS AS) (01003)	RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD) (01027)	MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)
OCT 25...	0.20	15	--	39	0.05	3.50	420	<1	<1	<1	<1	<1
MAR 06...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 30...	--	--	--	--	--	--	--	--	--	--	--	--
JUL 14...	<0.10	13	52	50	0.07	12.1	710	<1	5	<1	<1	2
AUG 21...	--	--	--	--	--	--	--	--	--	--	--	--
DATE		CHRO-	COBALT,	COBALT,	COPPER,	COPPER,	IRON,	IRON,	LEAD,	LEAD,	MANGA-	
		MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01029)	TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO) (01038)	TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU) (01043)	TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE) (01046)	RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE) (01170)	RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB) (01051)	NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	
OCT 25...	3	2	<5	2	<1	1200	90	1000	3	<10	210	
MAR 06...	--	--	--	--	--	--	--	--	--	--	--	
MAY 30...	--	--	--	--	--	--	--	--	--	--	--	
JUL 14...	2	2	<10	1	2	2000	540	1200	2	<10	260	
AUG 21...	--	--	--	--	--	--	--	--	--	--	--	
DATE		MANGA-	MANGA-	MERCURY	MERCURY	SELE-	SELE-	ZINC,	ZINC,	PCB,	NAPH-	
		NESE, DIS- SOLVED (UG/L AS MN) (01056)	NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG) (71921)	NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	NIUM, IN BOT- TOM MA- TERIAL (UG/G) (01148)	TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN) (01093)	TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39516)	THA- LENES, POLY- CHLOR. TOTAL (UG/L) (39519)	
OCT 25...	200	36	<0.10	<0.01	<1	<1	<10	2	--	--	--	
MAR 06...	--	--	--	--	--	--	--	--	--	--	--	
MAY 30...	--	--	--	--	--	--	--	--	<0.1	--	<0.10	
JUL 14...	200	53	<0.10	0.01	<1	<1	<10	2	--	--	--	
AUG 21...	--	--	--	--	--	--	--	--	--	<1	--	

07274252 OTOUCALOFA CREEK CANAL NEAR WATER VALLEY, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39330)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39350)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39360)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39363)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39365)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39368)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39370)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39373)
OCT 25...	--	--	--	--	--	--	--	--	--	--	--
MAR 06...	--	--	--	--	--	--	--	--	--	--	--
MAY 30...	--	<0.010	--	<0.1	--	<0.010	--	<0.010	--	<0.010	--
JUL 14...	--	--	--	--	--	--	--	--	--	--	--
AUG 21...	<1.0	--	<0.1	--	1.0	--	4.6	--	4.3	--	1.9

DATE	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39570)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39571)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39380)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39383)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39388)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39389)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39390)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39393)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39398)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39399)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39410)
OCT 25...	--	--	--	--	--	--	--	--	--	--	--
MAR 06...	--	--	--	--	--	--	--	--	--	--	--
MAY 30...	<0.01	--	<0.010	--	<0.010	--	<0.010	--	<0.01	--	<0.010
JUL 14...	--	--	--	--	--	--	--	--	--	--	--
AUG 21...	--	<0.1	--	0.4	--	0.3	--	0.1	--	<0.1	--

DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39413)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATH. TOTAL (UG/L) (39420)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATH. TOTAL (UG/KG) (39423)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39340)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39343)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39530)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39531)	METHO- MYL TOTAL (UG/L) (39051)	METH- OXY- CHLOR, TOTAL (UG/L) (39480)	METH- OXY- CHLOR, TOT. IN BOTTOM MATH. TOTAL (UG/KG) (39481)	METHYL PARA- THION, TOTAL (UG/L) (39600)
OCT 25...	--	--	--	--	--	--	--	--	--	--	--
MAR 06...	--	--	--	--	--	--	--	--	--	--	--
MAY 30...	--	<0.010	--	<0.010	--	<0.01	--	<0.5	<0.01	--	<0.01
JUL 14...	--	--	--	--	--	--	--	--	--	--	--
AUG 21...	<0.1	--	<0.1	--	<0.1	--	<0.1	--	--	<0.1	--

DATE	METHYL PARA- THION, TOT. IN BOTTOM MATH. TOTAL (UG/KG) (39601)	METHYL TRI- THION, TOT. IN BOTTOM MATH. TOTAL (UG/L) (39790)	METHYL TRI- THION, TOT. IN BOTTOM MATH. TOTAL (UG/KG) (39791)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39755)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39758)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39540)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39541)	PER- THANE TOTAL (UG/L) (39034)	PER- THANE TOTAL (UG/KG) (81886)	SEVIN, TOTAL (UG/L) (39750)	TOX- APHENE, TOTAL (UG/L) (39400)
OCT 25...	--	--	--	--	--	--	--	--	--	--	--
MAR 06...	--	--	--	--	--	--	--	--	--	--	--
MAY 30...	--	<0.01	--	<0.01	--	<0.01	--	<0.1	--	<0.50	<1
JUL 14...	--	--	--	--	--	--	--	--	--	--	--
AUG 21...	<0.1	--	<0.1	--	0.1	--	<0.1	--	2.00	--	--

07274252 OTOUCALOFA CREEK CANAL NEAR WATER VALLEY, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39403)	TOTAL TRI- THION (UG/L) (39786)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2, 4-DP TOTAL (UG/L) (82183)	2,4,5-T TOTAL (UG/L) (39740)	ALA- CHLOR TOTAL RECOVER (UG/L) (77825)	AME- TRYNE TOTAL (UG/L) (82184)	ATRA- ZINE, TOTAL (UG/L) (39630)	CYAN- AZINE TOTAL (UG/L) (81757)	DICAMBA (MED- IBEN) (BAN- VEL D) TOTAL (UG/L) (82052)
OCT 25...	--	--	--	--	--	--	--	--	--	--	--
MAR 06...	--	--	--	<0.01	<0.01	<0.01	<0.10	<0.10	<0.10	<0.10	<0.01
MAY 30...	--	<0.01	--	--	--	--	--	--	--	--	--
JUL 14...	--	--	--	--	--	--	--	--	--	--	--
AUG 21...	<10	--	<0.1	--	--	--	--	--	--	--	--
DATE	METOLA- CHLOR WATER WHOLE TOT.REC (UG/L) (82612)	METRI- BUZIN WATER WHOLE TOT.REC (UG/L) (82611)	PICLO- RAM (TOR- DON) TOTAL (UG/L) (39720)	PROME- TONE TOTAL (UG/L) (39056)	PROME- TRYNE TOTAL (UG/L) (39057)	PRO- PAZINE TOTAL (UG/L) (39024)	PROPHAM TOTAL (UG/L) (39052)	SILVEX, TOTAL (UG/L) (39760)	SIMA- ZINE TOTAL (UG/L) (39055)	SIME- TRYNE TOTAL (UG/L) (39054)	TRI- FLURA- LIN TOTAL RECOVER (UG/L) (39030)
OCT 25...	--	--	--	--	--	--	--	--	--	--	--
MAR 06...	<0.1	<0.1	<0.01	<0.1	<0.1	<0.10	--	<0.01	<0.10	<0.1	<0.10
MAY 30...	--	--	--	--	--	--	<0.5	--	--	--	--
JUL 14...	--	--	--	--	--	--	--	--	--	--	--
AUG 21...	--	--	--	--	--	--	--	--	--	--	--

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)
JUN							
13...	1237	25.0	1	3	13	70	99
13...	1239	50.0	1	7	33	89	100
13...	1241	75.0	2	5	25	79	99
AUG							
21...	1317	25.0	35	37	44	87	100
21...	1319	50.0	27	29	36	83	100
21...	1321	75.0	45	47	51	79	97

YAZOO RIVER BASIN

07274252 OTOUCALOFA CREEK CANAL NEAR WATER VALLEY, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

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	50	55	7.4	25	24	1.6	46	25	3.1
2	44	46	5.5	25	21	1.4	45	24	2.9
3	37	42	4.2	25	19	1.3	45	23	2.9
4	34	29	2.6	24	15	.98	45	23	2.8
5	32	22	1.9	25	11	.76	46	21	2.6
6	30	20	1.6	916	1720	6800	45	18	2.3
7	31	21	1.7	213	349	262	45	18	2.2
8	39	24	2.5	270	572	548	57	33	5.8
9	52	30	4.2	97	189	54	74	82	17
10	51	38	5.2	59	54	8.7	66	40	7.2
11	46	46	5.8	48	39	5.2	59	20	3.2
12	41	48	5.4	44	39	4.6	56	18	2.8
13	38	46	4.7	42	38	4.3	53	17	2.4
14	35	44	4.1	66	180	39	51	13	1.8
15	33	41	3.6	103	300	107	51	14	1.9
16	32	38	3.2	158	311	165	48	16	2.0
17	39	132	14	68	59	11	48	18	2.3
18	42	47	5.4	56	31	4.8	51	20	2.8
19	39	30	3.2	50	28	3.8	61	19	3.2
20	37	24	2.4	47	26	3.3	58	18	2.7
21	36	26	2.5	45	26	3.1	51	20	2.8
22	39	30	3.1	84	90	29	40	36	4.1
23	37	34	3.4	108	123	39	38	61	6.4
24	34	31	2.8	66	41	7.5	35	43	4.1
25	33	28	2.4	59	30	4.8	42	34	3.8
26	30	27	2.1	56	29	4.3	52	46	6.5
27	28	26	2.0	53	28	3.9	58	67	10
28	28	25	1.9	50	29	4.0	58	64	10
29	27	23	1.7	47	26	3.3	59	57	9.1
30	26	22	1.6	48	26	3.4	83	74	20
31	28	28	2.1	---	---	---	1210	3910	15600
JANUARY			FEBRUARY			MARCH			
1	218	462	308	131	55	19	592	790	1700
2	121	158	52	1260	2510	10100	2360	1690	12600
3	99	91	24	7500	5060	123000	620	324	566
4	297	568	520	3210	4160	48500	249	223	151
5	211	240	147	522	677	1060	186	170	85
6	649	912	1750	326	262	233	150	133	54
7	237	223	150	253	150	103	162	120	62
8	385	337	379	208	117	66	1950	1140	8310
9	164	138	63	925	1260	9960	1630	772	4170
10	119	69	22	4150	2510	37600	397	193	216
11	102	48	13	599	507	856	258	117	82
12	88	38	9.1	347	258	238	253	147	105
13	79	34	7.3	253	157	106	226	116	71
14	77	32	6.7	211	119	74	177	101	48
15	73	31	6.1	718	958	10700	1280	721	2920
16	69	35	6.5	1830	1460	9610	599	247	451
17	87	56	17	357	257	263	325	108	96
18	319	393	361	231	129	81	237	86	55
19	166	91	42	197	92	49	197	75	40
20	2230	3900	31200	159	81	35	160	62	27
21	718	1150	2840	144	72	28	142	51	19
22	256	282	198	1600	1390	7690	128	49	17
23	183	139	70	333	239	258	114	59	18
24	197	147	85	187	98	50	105	57	16
25	208	179	106	139	75	28	99	37	10
26	141	64	24	125	62	21	136	48	18
27	125	57	19	117	65	21	116	49	15
28	117	55	18	123	75	28	121	59	21
29	740	1120	2640	---	---	---	154	82	34
30	253	220	168	---	---	---	195	93	51
31	156	78	33	---	---	---	166	79	37

07274252 OTOUCALOFA CREEK CANAL NEAR WATER VALLEY, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

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	125	51	19	150	121	49	160	85	37
2	97	38	13	133	89	32	108	98	29
3	86	42	12	120	59	19	999	1580	4270
4	86	30	8.8	110	47	14	518	205	287
5	82	23	6.5	101	40	11	258	94	65
6	148	81	43	93	34	8.4	132	43	15
7	114	71	28	84	33	7.5	105	36	10
8	81	46	15	75	34	6.9	90	32	7.9
9	79	40	12	71	35	6.8	86	48	11
10	95	38	12	67	32	5.8	106	178	51
11	98	36	12	60	43	7.0	75	61	12
12	79	36	10	259	362	646	66	44	7.9
13	71	35	9.5	409	287	432	64	48	8.3
14	97	59	21	98	72	20	99	60	16
15	102	76	27	80	47	10	189	75	38
16	79	49	14	71	56	11	95	58	15
17	78	37	10	65	53	9.2	68	63	12
18	82	48	15	54	49	7.2	56	71	11
19	79	36	9.5	50	44	6.0	48	48	6.2
20	72	26	6.7	911	1600	13700	52	56	7.8
21	1350	2790	19400	5080	2930	42400	260	68	48
22	518	627	1400	920	567	1700	135	75	27
23	181	100	50	400	173	187	89	62	15
24	161	118	57	200	92	49	66	51	9.0
25	123	146	48	131	65	23	55	43	6.4
26	103	116	32	85	76	17	44	41	4.9
27	534	645	4900	375	144	146	38	47	4.8
28	2830	1790	15900	263	90	64	35	44	4.2
29	441	254	334	190	69	35	32	39	3.3
30	207	151	85	140	49	19	30	36	2.9
31	---	---	---	149	144	58	---	---	---
JULY			AUGUST			SEPTEMBER			
1	27	51	3.7	68	149	33	17	29	1.3
2	48	105	14	45	46	5.5	17	27	1.3
3	52	98	14	46	38	4.8	17	25	1.2
4	42	46	5.2	42	34	3.9	24	47	3.7
5	37	35	3.5	38	32	3.2	18	33	1.6
6	34	31	2.8	41	53	6.1	19	35	1.8
7	31	35	3.0	33	36	3.2	19	37	2.0
8	30	42	3.4	31	23	2.0	20	39	2.1
9	33	50	4.4	33	20	1.8	20	41	2.2
10	42	46	5.2	29	18	1.4	20	42	2.3
11	42	45	5.1	30	17	1.4	73	239	68
12	39	56	5.9	29	16	1.2	36	73	7.3
13	37	64	6.4	44	114	18	33	61	5.3
14	30	57	4.6	42	74	8.5	31	57	4.9
15	26	45	3.2	32	37	3.2	29	46	3.5
16	23	37	2.3	29	35	2.8	28	36	2.7
17	31	36	3.0	27	34	2.5	28	30	2.3
18	29	47	3.7	27	32	2.3	26	28	2.0
19	24	45	2.9	26	30	2.1	26	34	2.4
20	22	45	2.7	24	25	1.6	28	39	2.9
21	21	48	2.7	23	20	1.3	29	43	3.4
22	27	51	3.7	23	42	2.6	29	42	3.3
23	45	54	6.6	21	41	2.3	27	39	2.9
24	34	60	5.5	20	39	2.2	27	36	2.7
25	26	42	2.9	20	37	2.0	26	32	2.2
26	22	33	2.0	18	35	1.7	26	27	1.9
27	20	30	1.6	18	33	1.6	25	31	2.1
28	19	29	1.5	21	31	1.7	25	38	2.5
29	18	34	1.7	18	31	1.5	24	38	2.5
30	36	41	4.0	17	32	1.5	23	36	2.2
31	79	196	83	17	32	1.4	---	---	---

YAZOO RIVER BASIN

07275530 PETERS (LONG) CREEK NEAR POPE, MS

LOCATION.--Lat 34°12'50", long 89°58'54", in NW¼ sec. 18, T. 10 S., R. 7 W., Choctaw Meridian, Panola County, Hydrologic Unit 08030203, near right bank on downstream side of bridge on county road, 1.5 mi west of Pope, 3.0 mi upstream from mouth, and 0.4 mi downstream from Bobo Bayou.

DRAINAGE AREA.--79.2 mi²

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--December 1986 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 182.51 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated daily discharges. Records good except for those days of reconstructed gage heights, Nov. 25-Dec. 1, and May 22-24, which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 26,500 ft³/s, Feb. 3, 1990, gage height, 19.86 ft; minimum, 1.6 ft³/s, Sept. 8, 9, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 26,500 ft³/s, Feb. 3, gage height, 19.86 ft; minimum daily discharge, 8.8 ft³/s, Aug. 31 - Sept. 2.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1987 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February to April 1987.

pH: February to April 1987.

WATER TEMPERATURE: February to April 1987.

SUSPENDED SEDIMENT CONCENTRATION: December 1986 to current year.

SUSPENDED SEDIMENT DISCHARGE: December 1986 to current year.

INSTRUMENTATION.--Automatic pumping sediment sampler since December 1986.

REMARKS.--Unpublished records of daily specific conductance, pH, and water temperature during selected storm events are available in files of District office.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 4,530 mg/L, Feb. 3, 1990; minimum daily mean, 1 mg/L, July 29, 1988, Dec. 8-13, 1989.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 167,000 tons, Feb. 3, 1990; minimum daily, 0.03 ton, July 29, Oct. 12, 13, 1988.

EXTREMES FOR CURRENT YEAR.--

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 4,530 mg/L, Feb. 3; minimum daily mean, 1 mg/L, Dec. 8-13.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 167,000 tons, Feb. 3; minimum daily, 0.05 ton, Dec. 11-13.

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN (80164)	BED MAT. SIEVE DIAM. % FINER THAN (80165)	BED MAT. SIEVE DIAM. % FINER THAN (80166)	BED MAT. SIEVE DIAM. % FINER THAN (80167)	BED MAT. SIEVE DIAM. % FINER THAN (80168)	BED MAT. SIEVE DIAM. % FINER THAN (80169)	BED MAT. SIEVE DIAM. % FINER THAN (80170)
JUN									
14...	0947	25.0	1	2	27	87	100	--	--
14...	0949	50.0	<1	<1	19	82	99	--	--
14...	0951	75.0	1	2	24	87	100	--	--
AUG									
22...	0832	25.0	<1	<1	10	54	80	86	93
22...	0834	50.0	1	1	4	49	81	86	90
22...	0836	75.0	1	2	6	49	93	--	--

07275530 PETERS (LONG) CREEK NEAR POPE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	
OCT												
03...	1250	15	87	6.7	26.5	8.5	0.140	0.010	0.070	0.060	2.9	
17...	1730	15	89	7.0	20.0	11.2	0.060	0.010	0.040	0.030	2.1	
31...	1440	16	94	7.2	21.0	10.6	0.030	<0.010	0.030	0.030	1.3	
NOV												
15...	1220	19	83	6.9	21.5	8.3	0.110	0.010	0.120	0.070	2.9	
29...	1530	16	82	6.4	11.0	11.9	0.150	0.010	0.040	0.040	1.6	
DEC												
14...	1300	17	79	7.2	7.0	12.7	0.180	0.020	0.020	0.020	1.0	
JAN												
04...	1135	805	46	6.9	9.0	10.6	0.330	0.060	0.410	0.210	7.6	
10...	1400	61	72	6.9	11.5	10.0	0.400	0.050	0.060	0.050	2.7	
23...	1340	62	61	7.0	10.0	11.3	0.440	0.050	0.070	0.050	2.6	
FEB												
05...	1030	268	50	7.0	7.0	11.1	0.420	0.050	0.160	0.100	3.4	
20...	1600	42	83	7.2	15.5	9.6	0.520	0.040	0.050	0.040	1.5	
MAR												
07...	1345	66	77	7.0	13.5	8.9	0.460	0.020	0.060	0.030	1.3	
22...	0945	39	80	6.4	13.0	10.0	0.550	0.030	0.030	0.020	1.3	
APR												
04...	1100	39	85	7.1	13.0	10.6	0.270	<0.010	0.040	0.020	1.8	
18...	1330	42	86	7.4	19.5	9.6	0.180	<0.010	0.060	0.020	2.2	
30...	1120	66	72	7.0	21.5	7.8	0.260	0.020	0.070	0.050	4.9	
MAY												
16...	1400	27	84	6.9	28.0	7.5	0.100	0.020	0.050	0.030	2.6	
30...	1130	60	57	6.6	20.5	8.0	0.500	0.210	0.350	0.170	9.3	
JUN												
14...	0945	17	94	7.2	27.5	7.6	0.100	0.040	0.020	0.010	2.0	
26...	1625	13	93	7.4	33.5	7.9	<0.100	<0.010	0.020	0.010	1.3	
JUL												
12...	0730	11	102	7.0	25.5	7.3	<0.100	0.030	0.020	<0.010	1.8	
25...	0930	14	61	6.7	26.0	7.5	0.100	0.040	0.050	0.040	2.5	
AUG												
06...	1645	13	86	7.0	31.5	7.9	<0.100	0.020	0.020	<0.010	2.1	
22...	0830	11	89	7.2	26.0	7.9	0.030	0.020	0.050	0.020	0.8	
SEP												
05...	1200	9.6	93	7.3	31.5	8.3	0.040	0.010	0.060	0.020	0.9	
20...	1000	11	100	7.1	26.0	8.2	0.110	0.010	0.060	0.010	0.9	
DATE	TIME	PCB, TOTAL (UG/L) (39516)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39519)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L) (39250)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	ALDRIN, TOTAL (UG/L) (39330)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	CHLOR- DANE, TOTAL (UG/L) (39350)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	DDD, TOTAL (UG/L) (39360)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39363)	DDE, TOTAL (UG/L) (39365)
MAR												
07...	1345	--	--	--	--	--	--	--	--	--	--	--
MAY												
30...	1130	<0.1	--	<0.10	--	<0.010	--	<0.1	--	<0.010	--	<0.010
AUG												
22...	0830	--	<1	--	<1.0	--	<0.1	--	<1.0	--	<0.1	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

[illegible]

07275530 PETERS (LONG) CREEK NEAR POPE, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
OCTOBER			NOVEMBER			DECEMBER			
1	69	106	23	17	10	.46	15	6	.24
2	22	38	2.3	18	10	.49	15	19	.77
3	16	31	1.3	18	10	.49	15	7	.29
4	14	22	.86	19	10	.51	15	3	.11
5	13	20	.72	20	10	.53	16	6	.24
6	14	20	.75	964	2460	10400	15	9	.38
7	14	20	.76	96	211	74	16	3	.13
8	16	20	.84	232	467	431	20	1	.06
9	16	20	.87	45	78	11	24	1	.06
10	17	20	.91	16	32	1.4	22	1	.06
11	17	20	.93	13	15	.51	20	1	.05
12	18	20	.98	13	12	.42	18	1	.05
13	19	20	1.0	15	18	.76	17	1	.05
14	20	20	1.1	37	62	7.6	17	2	.10
15	20	20	1.1	241	395	646	17	6	.27
16	16	17	.74	105	65	27	17	35	1.7
17	15	15	.61	24	11	.73	16	22	.96
18	14	15	.57	19	10	.51	17	3	.15
19	14	15	.57	19	9	.44	19	4	.20
20	14	15	.57	23	9	.56	18	8	.39
21	14	15	.57	45	13	1.6	15	14	.59
22	14	15	.58	110	137	56	15	24	.97
23	15	15	.61	44	88	15	16	20	.87
24	16	15	.63	27	17	.80	18	14	.66
25	16	15	.63	17	15	.69	21	10	.56
26	16	12	.52	16	14	.60	22	7	.42
27	16	10	.42	16	13	.56	21	6	.36
28	16	10	.42	15	12	.49	20	7	.39
29	16	10	.42	16	8	.35	20	8	.43
30	16	10	.42	17	3	.14	386	1950	4070
31	16	10	.42	---	---	---	1680	2560	19200
JANUARY			FEBRUARY			MARCH			
1	84	535	138	53	27	3.8	93	157	48
2	28	177	14	1520	1620	13600	1140	1010	4350
3	19	74	3.9	11700	4530	167000	268	170	132
4	891	1240	5600	782	1200	3270	122	72	25
5	168	126	63	262	163	124	82	37	8.2
6	413	308	408	147	58	24	65	22	3.9
7	200	178	151	95	31	8.0	478	302	1500
8	347	208	234	69	20	3.8	3090	1700	17200
9	109	91	27	540	130	1360	545	651	1360
10	61	54	9.1	2220	1820	22000	179	86	42
11	48	31	4.1	182	103	54	103	64	18
12	37	21	2.1	76	56	12	238	352	337
13	32	19	1.6	56	42	6.2	162	85	41
14	30	18	1.5	50	60	8.0	86	28	6.6
15	29	17	1.3	176	197	160	2060	1150	10500
16	27	17	1.2	359	223	266	373	150	176
17	47	50	22	83	74	17	141	75	29
18	380	312	423	55	38	5.8	80	42	9.2
19	139	46	18	49	25	3.3	59	19	3.2
20	1160	1510	7330	43	27	3.1	47	10	1.3
21	227	117	81	42	101	12	42	9	1.1
22	93	40	10	986	946	3910	39	14	1.5
23	62	22	3.8	201	77	47	36	8	.75
24	50	22	2.9	94	36	9.4	33	8	.70
25	46	51	6.3	59	25	4.1	29	9	.70
26	36	45	4.4	51	21	2.9	33	10	.90
27	34	34	3.1	47	30	3.8	32	10	.86
28	35	41	5.0	46	45	5.6	98	72	49
29	733	1180	3580	---	---	---	167	84	41
30	147	121	56	---	---	---	370	173	193
31	69	32	6.0	---	---	---	125	41	15

07275530 PETERS (LONG) CREEK NEAR POPE, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

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	68	16	2.9	51	23	3.2	25	40	2.8
2	53	10	1.4	46	30	3.7	21	35	1.9
3	43	8	.94	39	31	3.3	288	998	1300
4	39	13	1.3	39	29	3.0	54	90	15
5	38	21	2.1	37	20	2.0	27	42	3.1
6	786	509	1610	35	13	1.2	22	26	1.5
7	122	62	21	27	9	.63	20	20	1.0
8	101	27	7.4	22	6	.37	18	15	.74
9	90	13	3.1	23	6	.39	17	11	.54
10	83	41	9.4	21	7	.40	76	124	41
11	60	23	4.0	20	9	.50	20	27	1.5
12	45	15	1.8	177	409	432	17	18	.82
13	40	12	1.3	178	214	146	17	15	.67
14	51	33	5.5	38	56	6.0	17	22	.98
15	51	33	4.8	29	23	1.8	17	18	.83
16	41	13	1.4	26	16	1.1	16	12	.51
17	40	9	1.0	23	12	.75	15	11	.44
18	40	16	1.7	21	11	.61	16	10	.43
19	38	16	1.7	21	13	.72	15	11	.42
20	37	16	1.5	303	1700	2150	14	11	.43
21	826	768	3960	1400	1990	9410	15	14	.57
22	191	102	67	194	264	282	17	16	.73
23	83	40	9.3	53	60	63	14	15	.59
24	54	27	4.1	31	27	19	13	15	.51
25	40	9	.98	26	21	1.5	12	14	.48
26	33	9	.80	24	20	1.3	13	14	.46
27	500	564	3150	85	162	54	13	17	.59
28	1190	584	2900	31	75	6.4	13	22	.76
29	151	101	44	20	70	3.8	12	19	.65
30	68	36	7.0	18	69	3.3	12	14	.48
31	---	---	---	41	137	18	---	---	---
JULY			AUGUST			SEPTEMBER			
1	12	13	.45	23	69	6.1	8.8	5	.13
2	12	13	.43	26	88	9.7	8.8	6	.14
3	16	13	.55	20	59	3.5	8.9	6	.14
4	12	13	.41	13	30	1.1	9.0	6	.15
5	11	13	.38	13	17	.58	9.6	7	.18
6	11	13	.39	13	10	.35	9.2	8	.20
7	11	12	.38	11	10	.29	9.9	9	.24
8	11	12	.33	11	10	.31	9.2	9	.22
9	10	11	.31	11	8	.26	9.4	9	.23
10	10	12	.32	11	7	.22	9.8	9	.23
11	9.8	14	.37	12	7	.23	12	19	1.0
12	11	21	.64	12	8	.26	27	104	9.8
13	15	15	.59	16	8	.37	28	80	9.7
14	14	12	.45	17	10	.44	13	28	1.0
15	11	10	.32	14	11	.40	12	21	.67
16	11	9	.27	13	10	.36	10	16	.43
17	11	10	.28	13	10	.33	9.5	12	.30
18	11	10	.31	12	9	.31	9.4	9	.22
19	11	11	.33	12	11	.33	11	12	.40
20	26	74	13	11	11	.34	11	14	.44
21	17	42	2.1	11	9	.26	13	20	1.0
22	11	23	.68	11	7	.21	22	47	3.7
23	107	1130	564	10	8	.21	12	13	.43
24	17	136	6.9	9.7	8	.21	11	9	.27
25	13	31	1.1	9.6	8	.21	11	8	.25
26	12	20	.63	9.4	8	.20	11	10	.30
27	12	13	.41	9.1	8	.19	10	13	.36
28	11	16	.48	9.3	7	.19	9.8	16	.43
29	11	20	.61	9.7	7	.18	9.5	20	.50
30	11	23	.68	8.9	6	.14	9.6	15	.39
31	12	22	.75	8.8	5	.12	---	---	---

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS

LOCATION.--Lat 34°37'54", long 89°55'30", in SE¼NW¼ sec. 22, T. 5 S., R. 7 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, on left bank at downstream side of bridge on county road, 1.7 mi east of Senatobia, 1.5 mi upstream from mouth, and 0.9 mi downstream from Basket Creek.

DRAINAGE AREA.--121 mi²

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1986 to current year.

GAGE.--Two water-stage recorders. Datum of gage is 233.02 ft above National Geodetic Vertical Datum of 1929. Sept. 4, 1942 to Feb. 6, 1986, discharge measurements and gage height record at same site and datum in files of U.S. Army Corps of Engineers, Vicksburg District.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,100 ft³/s, Feb. 3, 1990, gage height, 19.91 ft; minimum, 22 ft³/s, all or part of each day, July 4-11, 1988.

EXTREMES OUTSIDE PERIOD OF RECORD.--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.--Maximum discharge, 19,100 ft³/s, Feb. 3, gage height, 19.91 ft; minimum, 25 ft³/s, Dec. 22.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975, 1986 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 1986 to October 1989.

pH: February 1986 to October 1989.

WATER TEMPERATURE: February 1986 to October 1989.

DISSOLVED OXYGEN: February 1986 to October 1989.

SUSPENDED SEDIMENT CONCENTRATION: February 1986 to current year.

SUSPENDED SEDIMENT DISCHARGE: February 1986 to current year.

INSTRUMENTATION.--Automatic pumping sediment sampler since February 1986.

REMARKS.--Unpublished records of daily specific conductance, pH, water temperature, and dissolved oxygen during selected storm events are available in files of District office.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 5,110 mg/L, Feb. 21, 1989; minimum daily mean, 2 mg/L, Oct. 16, 1987.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 118,000 tons, Feb. 3, 1990; minimum daily, 0.15 ton, Oct. 16, 1987.

EXTREMES FOR CURRENT YEAR.--

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 4,150 mg/L, Feb. 3; minimum daily mean, 3 mg/L, Dec. 24.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 118,000 tons, Feb. 3; minimum daily, 0.32 ton, Dec. 24.

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK)	BED MAT. SIEVE DIAM. % FINER THAN .062 MM (80164)	BED MAT. SIEVE DIAM. % FINER THAN .125 MM (80165)	BED MAT. SIEVE DIAM. % FINER THAN .250 MM (80166)	BED MAT. SIEVE DIAM. % FINER THAN .500 MM (80167)	BED MAT. SIEVE DIAM. % FINER THAN 1.00 MM (80168)
JUN							
13...	1647	25.0	1	1	1	36	95
13...	1649	50.0	1	1	2	48	98
13...	1651	75.0	<1	1	3	49	98
AUG							
21...	1602	25.0	3	4	5	61	99
21...	1604	50.0	2	2	4	66	99
21...	1606	75.0	2	3	5	63	98

YAZOO RIVER BASIN

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT							
03...	1630	36	54	6.8	24.0	9.0	--
17...	0915	520	58	6.4	20.5	9.7	--
NOV							
01...	0750	32	58	6.9	12.0	9.2	--
15...	0755	34	59	6.3	18.5	7.0	--
29...	1100	33	53	6.2	8.0	11.6	--
DEC							
13...	1625	34	48	7.1	4.0	11.6	--
JAN							
04...	0740	2330	43	6.6	8.0	10.6	--
10...	0845	61	71	7.0	7.5	10.2	--
23...	0950	67	64	6.6	8.5	10.5	--
FEB							
05...	0715	398	45	6.8	7.0	10.8	--
21...	0740	59	76	7.2	10.5	9.9	--
MAR							
07...	0900	46	73	6.8	14.5	9.0	--
21...	1730	67	69	6.8	15.0	10.8	--
APR							
03...	1705	55	73	7.0	15.0	10.8	--
18...	1145	64	73	7.3	11.0	12.2	--
25...	1800	50	59	6.6	26.0	7.5	860
25...	2400	44	60	6.8	26.0	6.3	960
26...	0600	43	65	7.0	22.5	8.2	K840
26...	1200	43	69	6.9	21.5	8.0	K1200
26...	1800	43	69	6.9	25.0	9.2	500
26...	2400	43	69	6.8	24.5	8.7	920
27...	0600	41	72	7.0	20.0	7.2	1100
27...	1200	42	72	6.8	21.5	8.6	900
27...	1800	43	71	6.8	22.0	9.5	K1500
27...	2400	5180	54	7.1	18.5	9.4	K32000
28...	0600	3080	49	6.8	17.0	9.2	K24000
28...	1200	1870	46	6.7	16.5	9.3	8000
28...	1800	684	53	6.8	19.5	8.8	K1300
28...	2400	310	78	6.6	18.5	8.6	10000
29...	0600	186	74	6.7	16.5	8.6	5800
29...	1200	137	65	--	16.5	9.5	4000
29...	1800	112	61	6.4	21.5	9.2	2900
29...	2400	95	66	6.6	22.0	8.4	K710
30...	0825	80	65	7.0	21.0	9.6	--
MAY							
16...	0830	49	65	6.4	23.5	6.7	--
31...	0950	330	50	6.3	19.5	8.0	--
JUN							
13...	1645	38	63	7.2	27.5	7.8	--
26...	0940	38	61	7.2	23.0	7.5	--
JUL							
11...	1330	35	60	7.0	27.0	8.9	--
24...	1730	35	53	6.5	28.5	8.6	--
AUG							
06...	1130	35	59	7.0	24.5	7.8	--
21...	1600	35	58	7.4	29.0	8.1	--
SEP							
05...	0855	33	56	7.0	26.0	6.5	--
19...	1200	35	56	7.1	23.0	7.8	--

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT						
03...	--	0.230	0.020	0.060	0.040	1.6
17...	--	0.340	0.060	0.720	0.450	11
NOV						
01...	--	0.100	<0.010	0.040	0.020	1.0
15...	--	0.160	0.020	0.060	0.030	1.2
29...	--	0.250	0.040	0.060	0.040	0.3
DEC						
13...	--	0.380	0.020	0.020	0.010	0.4
JAN						
04...	--	0.530	0.240	0.880	0.350	7.0
10...	--	0.690	0.070	0.080	0.050	--
23...	--	0.820	0.090	0.100	0.080	2.6
FEB						
05...	--	0.820	0.100	0.290	0.160	4.1
21...	--	1.00	0.060	0.060	0.040	1.5
MAR						
07...	--	0.900	0.010	0.070	0.040	1.6
21...	--	0.770	0.010	0.040	0.010	1.3
APR						
03...	--	0.610	0.010	0.060	0.030	1.5
18...	--	0.500	0.030	0.200	0.110	4.8
25...	320	0.420	0.020	0.150	0.100	2.9
25...	310	0.420	0.040	0.140	0.090	2.4
26...	320	0.450	0.030	0.120	0.070	2.2
26...	140	0.460	0.030	0.130	0.060	1.8
26...	120	0.500	0.010	0.070	0.050	1.5
26...	220	0.500	0.030	0.080	0.050	1.4
27...	320	0.470	0.040	0.110	0.050	1.4
27...	180	0.460	0.020	0.090	0.040	1.3
27...	1500	0.460	0.030	0.160	0.060	1.3
27...	K36000	0.510	0.130	1.50	0.240	7.1
28...	K32000	0.320	0.090	0.610	0.230	8.5
28...	K30000	0.320	0.070	0.600	0.180	8.0
28...	11000	0.310	0.070	0.400	0.170	7.7
28...	10000	0.230	0.070	0.310	0.150	7.2
29...	6100	0.330	0.070	0.230	0.130	6.3
29...	3200	0.710	0.070	0.150	0.080	5.5
29...	540	0.500	0.030	0.160	0.070	4.8
29...	2000	0.520	0.090	0.160	0.070	4.5
30...	--	0.580	0.070	0.130	0.080	4.6
MAY						
16...	--	0.500	0.070	0.120	0.060	2.9
31...	--	0.300	0.190	0.260	0.210	11
JUN						
13...	--	0.300	0.050	0.050	0.030	1.5
26...	--	0.300	0.020	0.080	0.040	1.6
JUL						
11...	--	0.100	0.050	0.040	0.010	1.3
24...	--	0.200	0.060	0.040	0.030	2.2
AUG						
06...	--	<0.100	0.030	0.020	<0.010	1.7
21...	--	0.090	0.020	0.050	0.020	0.6
SEP						
05...	--	0.100	0.030	0.060	0.030	0.9
19...	--	0.140	0.030	0.050	0.010	0.5

YAZOO RIVER BASIN

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS S04) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	
MAR 07...	0900	--	--	--	--	--	--	--	--	--	--	--	
APR 27...	1200	20	17	4.0	1.7	7.1	45	0.7	1.3	20	3.3	6.3	
28...	0600	140	13	3.0	1.3	2.3	23	0.3	2.7	7.6	3.6	7.4	
MAY 31...	0950	--	--	--	--	--	--	--	--	--	--	--	
AUG 21...	1600	--	--	--	--	--	--	--	--	--	--	--	
DATE		FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS) (01002)	ARSENIC TOTAL RECOV- ERABLE (UG/L AS AS) (01003)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM FM BOT- TOM MA- TERIAL (UG/G AS CD) (01028)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)
MAR 07...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 27...	<0.10	15	53	51	0.07	20.7	1400	1	4	<1	<1	3	
28...	<0.10	4.4	49	30	0.07	400	20000	2	3	<1	<1	23	
MAY 31...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 21...	--	--	--	--	--	--	--	--	--	--	--	--	--
DATE		CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01029)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO) (01038)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU) (01043)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE) (01170)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB) (01052)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	
MAR 07...	--	--	--	--	--	--	--	--	--	--	--	--	
APR 27...	4	2	<50	3	<1	2100	240	1000	2	<10	<10	360	
28...	3	8	<50	21	1	38000	630	2200	21	<10	<10	930	
MAY 31...	--	--	--	--	--	--	--	--	--	--	--	--	
AUG 21...	--	--	--	--	--	--	--	--	--	--	--	--	
DATE		MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG) (71921)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/G) (01148)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN) (01093)	PCB, TOTAL RECOV- ERABLE (UG/L) (39516)	PCB, TOTAL RECOV. FM BOT- TOM MA- TERIAL (UG/KG) (39519)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L) (39250)	
MAR 07...	--	--	--	--	--	--	--	--	--	--	--	--	
APR 27...	300	21	<0.10	0.03	<1	<1	10	1	--	--	--	--	
28...	140	70	<0.10	0.02	<1	<1	80	2	--	--	--	--	
MAY 31...	--	--	--	--	--	--	--	--	--	<0.1	--	<0.10	
AUG 21...	--	--	--	--	--	--	--	--	--	--	<1	--	
DATE		PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39330)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39350)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39360)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39363)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39365)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39368)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39370)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39373)	
MAR 07...	--	--	--	--	--	--	--	--	--	--	--	--	
APR 27...	--	--	--	--	--	--	--	--	--	--	--	--	
28...	--	--	--	--	--	--	--	--	--	--	--	--	
MAY 31...	--	<0.010	--	<0.1	--	<0.010	--	<0.010	--	0.010	--	--	
AUG 21...	<1.0	--	<0.1	--	<1.0	--	0.2	--	0.4	--	0.2	--	

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

		DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39570)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39380)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39383)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39388)	ENDO- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39389)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39390)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39393)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39398)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39399)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39410)	
MAR 07...		--	--	--	--	--	--	--	--	--	--	
APR 27...		--	--	--	--	--	--	--	--	--	--	
APR 28...		--	--	--	--	--	--	--	--	--	--	
MAY 31...		<0.01	--	<0.010	--	<0.010	--	0.010	--	<0.01	<0.010	
AUG 21...		--	<0.1	--	<0.1	--	<0.1	--	<0.1	--	<0.1	
DATE		HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39413)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/L) (39420)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/L) (39423)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39340)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39343)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39530)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39531)	METHO- MYL TOTAL (UG/L) (39051)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/L) (39480)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/L) (39481)	METHYL PARA- THION, TOTAL (UG/L) (39600)
MAR 07...		--	--	--	--	--	--	--	--	--	--	--
APR 27...		--	--	--	--	--	--	--	--	--	--	--
APR 28...		--	--	--	--	--	--	--	--	--	--	--
MAY 31...		--	<0.010	--	<0.010	--	<0.01	--	<0.5	<0.01	--	<0.01
AUG 21...		<0.1	--	<0.1	--	<0.1	--	<0.1	--	--	<0.1	--
DATE		METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/L) (39601)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/L) (39790)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/L) (39791)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39755)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39758)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39540)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39541)	PER- THANE TOTAL (UG/L) (39034)	PER- THANE TOTAL IN BOT- TOM MA- TERIAL (UG/L) (81886)	SEVIN, TOTAL (UG/L) (39750)	TOX- APHENE, TOTAL (UG/L) (39400)
MAR 07...		--	--	--	--	--	--	--	--	--	--	--
APR 27...		--	--	--	--	--	--	--	--	--	--	--
APR 28...		--	--	--	--	--	--	--	--	--	--	--
MAY 31...		--	<0.01	--	<0.01	--	<0.01	--	<0.1	--	<0.50	<1
AUG 21...		<0.1	--	<0.1	--	<0.1	--	<0.1	--	<1.00	--	--
DATE		TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39403)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39786)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39787)	2,4-D, TOTAL (UG/L) (39730)	2, 4-DP TOTAL (UG/L) (82183)	2, 4, 5-T TOTAL (UG/L) (39740)	ALA- CHLOR RECOVER (UG/L) (77825)	AME- TRYNE TOTAL (UG/L) (82184)	ATRA- ZINE, TOTAL (UG/L) (39630)	CYAN- AZINE TOTAL (UG/L) (81757)	DICAMBA (MED- IBEN) (BAN- VEL D) TOTAL (UG/L) (82052)
MAR 07...		--	--	--	<0.01	<0.01	<0.01	<0.10	<0.10	<0.10	<0.10	<0.01
APR 27...		--	--	--	--	--	--	--	--	--	--	--
APR 28...		--	--	--	--	--	--	--	--	--	--	--
MAY 31...		--	<0.01	--	--	--	--	--	--	--	--	--
AUG 21...		<10	--	<0.1	--	--	--	--	--	--	--	--
DATE		METOLA- CHLOR WATER WHOLE TOT. REC (UG/L) (82612)	METRI- BUZIN WATER WHOLE TOT. REC (UG/L) (82611)	PICLO- RAM (TOR- DON) (AMDON) TOTAL (UG/L) (39720)	PROME- TONE TOTAL (UG/L) (39056)	PROME- TRYNE TOTAL (UG/L) (39057)	PRO- PAZINE TOTAL (UG/L) (39024)	PROPHAM TOTAL (UG/L) (39052)	SILVEX, TOTAL (UG/L) (39760)	SIMA- ZINE TOTAL (UG/L) (39055)	SIME- TRYNE TOTAL (UG/L) (39054)	TRI- FLURA- LIN TOTAL RECOVER (UG/L) (39030)
MAR 07...		<0.1	<0.1	<0.01	<0.1	<0.1	<0.10	--	<0.01	<0.10	<0.1	<0.10
APR 27...		--	--	--	--	--	--	--	--	--	--	--
APR 28...		--	--	--	--	--	--	--	--	--	--	--
MAY 31...		--	--	--	--	--	--	<0.5	--	--	--	--
AUG 21...		--	--	--	--	--	--	--	--	--	--	--

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

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	41	37	4.2	32	11	.99	33	14	1.3
2	37	16	1.6	33	14	1.3	33	10	.92
3	35	8	.78	32	17	1.5	33	8	.67
4	35	6	.57	33	13	1.2	33	8	.73
5	35	6	.58	33	10	.92	34	9	.87
6	36	7	.69	250	277	298	34	11	.99
7	35	9	.85	54	83	13	33	10	.93
8	35	11	1.1	42	56	6.3	35	10	.91
9	35	13	1.2	36	43	4.2	35	9	.85
10	35	15	1.4	34	30	2.8	34	9	.78
11	35	17	1.6	34	23	2.1	34	8	.74
12	35	18	1.7	34	18	1.7	34	8	.69
13	35	18	1.7	34	19	1.7	34	7	.65
14	35	18	1.7	34	20	1.8	34	8	.72
15	35	17	1.7	35	23	2.2	34	9	.81
16	88	57	77	35	19	1.8	34	9	.84
17	565	378	946	34	15	1.4	34	9	.88
18	58	71	12	35	12	1.2	34	10	.90
19	35	39	3.7	35	10	.96	36	10	.95
20	34	28	2.5	35	10	.96	35	8	.75
21	34	23	2.1	35	10	.94	34	6	.59
22	34	20	1.8	138	123	95	32	5	.43
23	33	19	1.7	85	78	23	36	4	.38
24	33	17	1.6	38	29	3.0	36	3	.32
25	33	16	1.4	36	17	1.6	38	4	.40
26	33	16	1.4	35	21	2.0	36	5	.49
27	32	15	1.3	35	20	1.9	35	6	.60
28	33	14	1.2	34	15	1.4	35	8	.78
29	33	12	1.1	33	10	.92	35	13	1.2
30	32	11	.97	33	16	1.4	50	40	7.1
31	32	10	.90	---	---	---	798	1610	6000
JANUARY			FEBRUARY			MARCH			
1	66	142	27	71	87	26	404	170	282
2	44	62	7.3	2520	2350	22300	548	168	321
3	52	118	73	12300	4150	118000	148	79	35
4	1220	2210	11500	3740	848	11000	79	41	8.7
5	108	150	48	362	198	224	60	43	6.9
6	80	59	13	189	68	35	51	41	5.7
7	74	43	9.0	138	43	16	506	257	1180
8	149	151	68	113	36	11	4060	1150	14700
9	78	42	8.8	1700	995	14700	1610	464	2850
10	62	27	4.5	4810	1090	20800	348	187	205
11	57	14	2.1	317	110	106	210	104	66
12	53	10	1.4	151	57	23	118	53	17
13	51	12	1.7	111	57	17	110	56	17
14	51	17	2.4	93	32	8.1	84	46	10
15	51	22	3.0	222	134	102	2780	912	11600
16	50	27	3.6	229	131	91	440	110	171
17	60	48	11	94	65	16	147	37	15
18	242	458	371	76	50	10	98	26	7.1
19	86	90	21	72	33	6.5	80	19	4.0
20	1470	1770	11600	64	22	3.8	69	17	3.1
21	155	172	84	59	16	2.5	65	16	2.7
22	81	52	11	1230	762	4240	62	19	3.2
23	67	28	5.1	165	87	44	59	19	2.9
24	61	22	3.6	81	33	7.3	55	16	2.3
25	59	18	2.9	58	18	2.9	53	12	1.7
26	54	15	2.3	53	15	2.1	55	11	1.7
27	52	16	2.3	50	14	1.8	55	12	1.7
28	84	99	63	46	14	1.7	64	36	8.2
29	1870	970	6620	---	---	---	83	69	17
30	155	98	48	---	---	---	419	165	221
31	82	32	7.0	---	---	---	115	44	15

07277700 HICKAHALA CREEK NEAR SENATOBIA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

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	69	25	4.6	66	37	6.6	61	95	16
2	58	22	3.5	1000	833	3430	83	121	30
3	53	20	2.8	140	123	51	127	543	262
4	52	23	3.2	87	117	30	57	171	27
5	51	38	5.2	72	77	15	48	88	11
6	1090	325	1450	59	41	6.6	44	74	8.8
7	142	49	21	55	33	4.9	41	64	7.1
8	71	39	7.6	53	27	3.8	39	55	5.9
9	58	33	5.1	52	22	3.1	40	47	5.1
10	58	39	6.1	51	21	2.8	51	90	14
11	56	28	4.2	50	20	2.7	38	41	4.2
12	50	18	2.4	497	316	1340	37	37	3.7
13	48	18	2.3	345	194	337	37	42	4.2
14	51	20	2.8	64	49	8.6	36	36	3.5
15	51	23	3.1	52	44	6.3	36	32	3.1
16	48	22	2.9	49	47	6.3	36	31	3.1
17	58	59	12	49	44	5.8	36	44	4.2
18	71	65	14	46	41	5.1	35	62	5.9
19	49	17	2.3	47	38	4.7	36	54	5.2
20	47	11	1.4	3790	1920	30300	35	40	3.8
21	1020	1180	6690	2360	1020	7990	34	31	2.9
22	111	100	35	263	151	136	809	1080	4970
23	56	29	4.4	85	49	11	56	227	36
24	48	19	2.5	64	36	6.3	41	111	12
25	51	57	8.1	56	42	6.2	39	77	8.1
26	43	29	3.4	52	29	4.0	39	53	5.5
27	224	319	2430	59	100	18	38	42	4.2
28	2260	879	9810	50	48	6.6	37	37	3.7
29	157	81	36	46	27	3.4	37	34	3.4
30	79	59	13	44	22	2.6	36	32	3.1
31	---	---	---	197	241	214	---	---	---
JULY			AUGUST			SEPTEMBER			
1	35	31	2.9	35	23	2.2	34	21	1.9
2	35	31	2.9	34	21	1.9	34	18	1.7
3	34	30	2.8	35	19	1.8	36	16	1.5
4	34	30	2.8	36	18	1.8	35	17	1.6
5	34	30	2.8	35	22	2.1	34	19	1.7
6	34	31	2.8	35	27	2.5	34	20	1.8
7	34	31	2.9	35	22	2.1	34	21	1.9
8	34	31	2.8	35	17	1.6	34	21	2.0
9	34	31	2.8	35	13	1.2	34	19	1.8
10	34	33	3.0	35	14	1.4	34	17	1.6
11	34	41	3.8	35	18	1.7	35	18	1.7
12	39	109	12	35	20	1.9	37	27	2.6
13	55	156	27	36	19	1.9	43	133	16
14	36	76	7.4	36	18	1.8	37	107	11
15	34	54	5.0	35	17	1.6	34	74	6.8
16	34	39	3.6	35	18	1.7	33	52	4.7
17	34	33	3.0	35	20	1.9	33	36	3.2
18	34	30	2.7	35	21	2.0	34	25	2.3
19	34	31	2.8	34	23	2.1	35	24	2.2
20	34	33	3.0	34	22	2.0	35	27	2.6
21	34	35	3.2	34	21	1.9	35	30	2.8
22	34	37	3.3	34	20	1.8	37	25	2.5
23	34	38	3.4	34	22	2.0	33	19	1.7
24	34	35	3.2	34	25	2.3	33	19	1.7
25	34	33	3.0	34	27	2.5	33	19	1.7
26	34	32	2.9	34	22	2.0	33	19	1.8
27	34	31	2.8	33	17	1.6	33	20	1.8
28	34	29	2.6	34	14	1.2	33	20	1.8
29	34	27	2.5	34	11	1.0	33	20	1.8
30	34	26	2.3	34	13	1.2	33	20	1.8
31	34	24	2.2	34	18	1.6	---	---	---

07277730 SENATOBIA CREEK NEAR SENATOBIA, MS

LOCATION.--Lat 34°37'02", long 89°56'30", in SE¼NW¼ sec. 28, T. 5 S., R. 7 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, on right bank at upstream side of bridge on State Highway 4, 0.5 mi east of Senatobia, 1.4 mi upstream from mouth, and 4.1 mi downstream from Nelson Creek.

DRAINAGE AREA.--82.0 mi²

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1986 to current year.

GAGE.--Two water-stage recorders. Datum of gage is 233.80 ft above National Geodetic Vertical Datum of 1929. Sept. 4, 1942 to Feb. 7, 1986, discharge measurements and gage height record, at same site and datum in files of U.S. Army Corps of Engineers, Vicksburg District.

REMARKS.--Estimated daily discharges: Oct. 17-26. Records good except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,100 ft³/s, June 5, 1986, gage height, 19.55 ft; minimum, 7.1 ft³/s, Sept. 1, 2, 1987.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 28, 1982, reached a stage of 26.10 ft (from information by U.S. Army Corps of Engineers).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 7,990 ft³/s, Feb. 3, gage height, 18.99 ft; minimum, 6.7 ft³/s, Dec. 16.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1986 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1986 to October 1987.

pH: May 1986 to October 1987.

WATER TEMPERATURE: February 1986 to October 1987.

DISSOLVED OXYGEN: February 1986 to October 1987.

SUSPENDED SEDIMENT CONCENTRATION: March 1986 to November 1989 (discontinued).

SUSPENDED SEDIMENT DISCHARGE: March 1986 to November 1989 (discontinued).

INSTRUMENTATION.--Automatic pumping sediment sampler from February 1986 to November 1989.

REMARKS.--Unpublished records of daily specific conductance, pH, water temperature, and dissolved oxygen during selected storm events are available in files of District office.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 3,650 mg/L, June 4, 1989; minimum daily mean, 2 mg/L, Nov. 8, Dec. 7, 1987, Mar 17, 18, Apr. 16, 1988.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 28,100 tons, June 5, 1986; minimum daily, 0.05 ton, Nov. 8, Dec. 7, 1987.

EXTREMES FOR CURRENT YEAR.--

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean during period October to November 1989, 706 mg/L, Nov. 6; minimum daily mean during period October to November 1989, 8 mg/L, Nov. 19.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily during period October to November 1989, 1,540 tons, Nov. 6; minimum daily during period October to November 1989, 0.25 ton, Nov. 19.

07277730 SENATOBIA CREEK NEAR SENATOBIA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT							
02...	1530	20	69	6.6	23.5	8.9	--
17...	1245	E23	75	6.6	20.0	5.9	--
NOV							
01...	0925	13	84	6.8	13.5	8.2	--
15...	0930	12	85	6.6	19.5	6.9	--
29...	1330	11	76	6.6	9.5	11.4	--
DEC							
13...	1600	10	69	7.6	3.0	13.2	--
JAN							
04...	0825	855	44	6.2	8.5	10.6	--
10...	0945	29	74	6.8	7.0	10.2	--
23...	1040	28	68	7.4	8.5	10.8	--
FEB							
05...	0815	306	53	6.5	7.0	10.7	--
21...	0840	15	93	7.2	10.5	9.9	--
MAR							
07...	1030	29	87	6.9	14.5	9.0	--
21...	1550	32	76	6.2	14.0	8.6	--
APR							
04...	0830	19	89	7.1	13.0	10.5	--
18...	1215	19	92	7.1	13.0	11.5	--
25...	1825	18	92	7.3	26.0	11.0	240
26...	0015	16	92	7.0	24.5	7.2	K360
26...	0615	16	93	6.8	21.5	7.8	370
26...	1215	16	91	7.1	23.0	7.8	K490
26...	1815	16	92	7.0	24.5	11.3	180
27...	0030	15	94	7.3	22.5	8.0	940
27...	0615	15	96	6.9	20.5	7.1	420
27...	1215	16	93	6.8	22.5	10.8	1000
27...	1815	18	89	7.2	22.0	10.4	900
28...	0015	3030	43	7.0	18.0	10.0	K24000
28...	0615	1030	39	6.7	17.0	8.9	K26000
28...	1215	720	39	6.7	15.5	9.3	4200
28...	1815	307	41	6.6	19.0	9.2	5500
29...	0015	139	48	6.5	18.5	8.9	8200
29...	0615	73	63	6.7	16.5	9.0	3200
29...	1215	53	57	6.7	17.5	9.3	3500
29...	1815	43	62	6.4	22.5	9.0	K1500
30...	0015	33	66	6.6	21.5	9.0	2200
30...	0905	26	69	7.0	20.5	8.3	--
MAY							
16...	1100	17	75	6.6	23.5	8.4	--
31...	1030	1380	32	6.2	19.0	8.4	--
JUN							
14...	0825	12	90	7.2	26.0	6.1	--
25...	1130	13	85	7.3	25.0	8.1	--
JUL							
11...	1410	11	85	7.8	30.5	7.8	--
24...	1815	10	78	8.2	28.5	10.0	--
AUG							
06...	1410	12	86	7.9	27.0	9.8	--
21...	1645	11	80	8.2	31.5	9.0	--
SEP							
05...	0955	10	85	7.3	26.0	6.7	--
19...	1300	13	84	7.4	27.0	9.0	--

YAZOO RIVER BASIN

07277730 SENATOBIA CREEK NEAR SENATOBIA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT						
02...	--	0.620	0.030	0.160	0.100	4.1
17...	--	0.500	0.060	0.380	0.160	5.9
NOV						
01...	--	0.580	0.030	0.040	0.020	1.2
15...	--	0.540	<0.010	0.050	0.030	1.2
29...	--	0.750	<0.010	0.040	0.040	<0.1
DEC						
13...	--	0.930	0.020	0.020	0.010	0.7
JAN						
04...	--	0.550	0.100	0.790	0.300	6.9
10...	--	1.10	0.020	0.070	0.050	2.8
23...	--	1.50	0.030	0.070	0.060	2.3
FEB						
05...	--	1.30	0.030	0.210	0.100	3.6
21...	--	2.10	0.010	0.040	0.030	1.1
MAR						
07...	--	1.70	<0.010	0.050	0.020	1.3
21...	--	1.80	<0.010	0.050	0.070	1.6
APR						
04...	--	1.50	0.010	0.040	0.020	1.3
18...	--	1.60	<0.010	0.060	0.020	1.6
25...	180	1.30	0.030	0.060	0.040	1.4
26...	280	1.30	0.010	0.050	0.030	1.2
26...	320	1.30	0.040	0.060	0.030	1.2
26...	K100	1.30	0.010	0.050	0.030	1.1
26...	K60	1.30	0.010	0.050	0.030	1.1
27...	260	1.30	<0.010	0.050	0.030	1.0
27...	440	1.30	0.030	0.050	0.030	1.0
27...	140	1.20	0.010	0.050	0.030	1.0
27...	3000	1.20	0.010	0.090	0.040	1.0
28...	K39000	0.650	0.200	1.10	0.250	7.3
28...	K33000	0.430	0.140	0.700	0.220	8.1
28...	K33000	0.510	0.110	0.780	0.240	7.4
28...	11000	0.440	0.080	0.350	0.140	7.7
29...	7000	0.510	0.050	0.250	0.100	6.5
29...	5100	0.600	0.040	0.180	0.100	5.6
29...	2200	0.420	0.080	0.190	0.100	4.8
29...	610	0.830	0.020	0.120	0.070	4.3
30...	K1100	0.920	0.030	0.100	0.070	3.6
30...	--	1.10	0.020	0.090	0.060	4.0
MAY						
16...	--	1.20	0.050	0.070	0.040	2.4
31...	--	0.700	0.240	0.360	0.210	19
JUN						
14...	--	0.800	0.050	0.020	<0.010	1.9
25...	--	0.800	0.060	0.050	0.030	1.3
JUL						
11...	--	0.600	0.030	0.020	<0.010	1.8
24...	--	0.600	0.020	0.020	<0.010	1.7
AUG						
06...	--	0.500	0.020	0.030	0.010	1.5
21...	--	0.470	0.050	0.050	0.020	0.8
SEP						
05...	--	0.380	0.070	0.060	0.030	1.0
19...	--	0.510	0.050	0.040	0.010	0.7

07277730 SENATOBIA CREEK NEAR SENATOBIA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	
MAR 07...	1030	--	--	--	--	--	--	--	--	--	--	--	
APR 27...	1215	10	20	4.7	2.0	10	50	1	1.4	21	7.6	11	
28...	0615	200	12	2.9	1.1	1.7	20	0.2	2.5	5.7	4.6	5.9	
MAY 31...	1030	--	--	--	--	--	--	--	--	--	--	--	
AUG 21...	1645	--	--	--	--	--	--	--	--	--	--	--	
DATE		FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L AS CO) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L AS CU) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC IN BOT- TOM MA- TERIAL (UG/G AS AS) (01003)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM FM BOT- TOM MA- TERIAL (UG/G AS CD) (01028)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)
MAR 07...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 27...	<0.10	16	63	65	0.09	12.4	480	<1	5	<1	<1	<1	1
28...	<0.10	4.5	44	28	0.06	160	20000	2	3	<1	<1	<1	23
MAY 31...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG 21...	--	--	--	--	--	--	--	--	--	--	--	--	--
DATE		CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01029)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COBALT, FM BOT- TOM MA- TERIAL (UG/G AS CO) (01038)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, FM BOT- TOM MA- TERIAL (UG/G AS CU) (01043)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	IRON, FM BOT- TOM MA- TERIAL (UG/G AS FE) (01170)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, FM BOT- TOM MA- TERIAL (UG/G AS PB) (01052)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	
MAR 07...	--	--	--	--	--	--	--	--	--	--	--	--	
APR 27...	4	5	<50	2	4	710	50	5200	1	<10	<10	160	
28...	4	8	<50	22	1	36000	900	1300	20	<10	<10	820	
MAY 31...	--	--	--	--	--	--	--	--	--	--	--	--	
AUG 21...	--	--	--	--	--	--	--	--	--	--	--	--	
DATE		MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY FM BOT- TOM MA- TERIAL (UG/G AS HG) (71921)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	SELE- NIUM, IN BOT- TOM MA- TERIAL (UG/G) (01148)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, FM BOT- TOM MA- TERIAL (UG/G AS ZN) (01093)	PCB, TOTAL RECOV- ERABLE (UG/L AS MN) (39516)	PCB, FM BOT- TOM MA- TERIAL (UG/KG) (39519)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L AS MN) (39250)	
MAR 07...	--	--	--	--	--	--	--	--	--	--	--	--	
APR 27...	140	220	<0.10	0.02	<1	<1	<10	10	--	--	--	--	
28...	70	65	<0.10	<0.01	<2	<1	80	4	--	--	--	--	
MAY 31...	--	--	--	--	--	--	--	--	--	<0.1	--	<0.10	
AUG 21...	--	--	--	--	--	--	--	--	--	--	<1	--	
DATE		PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39330)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39350)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39360)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39363)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39365)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39368)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39370)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39373)	
MAR 07...	--	--	--	--	--	--	--	--	--	--	--	--	
APR 27...	--	--	--	--	--	--	--	--	--	--	--	--	
28...	--	--	--	--	--	--	--	--	--	--	--	--	
MAY 31...	--	<0.010	--	<0.1	--	<0.010	--	0.010	--	0.020	--	--	
AUG 21...	<1.0	--	<0.1	--	<1.0	--	0.3	--	0.3	--	0.1	--	

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	DI-AZINON, TOTAL (UG/L) (39570)	DI-AZINON, TOTAL IN BOT-TOM MATERIAL (UG/KG) (39571)	DI-ELDRIN, TOTAL (UG/L) (39380)	DI-ELDRIN, TOTAL IN BOT-TOM MATERIAL (UG/KG) (39383)	ENDO-SULFAN, TOTAL (UG/L) (39388)	ENDO-SULFAN, TOTAL IN BOT-TOM MATERIAL (UG/KG) (39389)	ENDRIN, TOTAL (UG/L) (39390)	ENDRIN, TOTAL IN BOT-TOM MATERIAL (UG/KG) (39393)	ETHION, TOTAL (UG/L) (39398)	ETHION, TOTAL IN BOT-TOM MATERIAL (UG/KG) (39399)	HEPTA-CHLOR, TOTAL (UG/L) (39410)
	MAR 07...	--	--	--	--	--	--	--	--	--	--
APR 27...	--	--	--	--	--	--	--	--	--	--	--
APR 28...	--	--	--	--	--	--	--	--	--	--	--
MAY 31...	<0.01	--	<0.010	--	<0.010	--	<0.010	--	<0.01	--	<0.01
AUG 21...	--	<0.1	--	<0.1	--	<0.1	--	<0.1	--	<0.1	--
DATE	HEPTA-CHLOR, TOTAL IN BOT-TOM MATERIAL (UG/KG) (39413)	HEPTA-CHLOR EPOXIDE TOTAL (UG/L) (39420)	HEPTA-CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG) (39423)	LINDANE TOTAL (UG/L) (39340)	LINDANE TOT. IN BOT-TOM MATERIAL (UG/KG) (39343)	MALA-THION, TOTAL (UG/L) (39530)	MALA-THION, TOTAL IN BOT-TOM MATERIAL (UG/KG) (39531)	METHO-MYL TOTAL (UG/L) (39051)	METH-OXY-CHLOR, TOTAL (UG/L) (39480)	METH-OXY-CHLOR, TOT. IN BOTTOM MATL. (UG/KG) (39481)	METHYL-PARA-THION, TOTAL (UG/L) (39600)
	MAR 07...	--	--	--	--	--	--	--	--	--	--
APR 27...	--	--	--	--	--	--	--	--	--	--	--
APR 28...	--	--	--	--	--	--	--	--	--	--	--
MAY 31...	--	<0.010	--	<0.010	--	<0.01	--	<0.5	<0.01	--	<0.01
AUG 21...	<0.1	--	<0.1	--	<0.1	--	<0.1	--	--	<0.1	--
DATE	METHYL-PARA-THION, TOT. IN BOTTOM MATL. (UG/KG) (39601)	METHYL-TRI-THION, TOTAL (UG/L) (39790)	METHYL-TRI-THION, TOT. IN BOTTOM MATL. (UG/KG) (39791)	MIREX, TOTAL (UG/L) (39755)	MIREX, TOT. IN BOT-TOM MATERIAL (UG/KG) (39758)	PARA-THION, TOTAL (UG/L) (39540)	PARA-THION, TOTAL IN BOT-TOM MATERIAL (UG/KG) (39541)	PER-THANE TOTAL (UG/L) (39034)	PER-THANE IN BOT-TOM MATERIAL (UG/KG) (81886)	SEVIN, TOTAL (UG/L) (39750)	TOX-APHENE, TOTAL (UG/L) (39400)
	MAR 07...	--	--	--	--	--	--	--	--	--	--
APR 27...	--	--	--	--	--	--	--	--	--	--	--
APR 28...	--	--	--	--	--	--	--	--	--	--	--
MAY 31...	--	<0.01	--	<0.01	--	<0.01	--	<0.1	--	<0.50	<1
AUG 21...	<0.1	--	<0.1	--	<0.1	--	<0.1	--	<1.00	--	--
DATE	TOXA-PHENE, TOTAL IN BOT-TOM MATERIAL (UG/KG) (39403)	TRI-THION, TOTAL TRI-THION (UG/L) (39786)	TRI-THION, TOTAL IN BOT-TOM MATERIAL (UG/KG) (39787)	2,4-D, TOTAL (UG/L) (39730)	2, 4-DP TOTAL (UG/L) (82183)	2, 4, 5-T TOTAL (UG/L) (39740)	ALA-CHLOR TOTAL RECOVER (UG/L) (77825)	AME-TRYNE TOTAL (UG/L) (82184)	ATRA-ZINE, TOTAL (UG/L) (39630)	CYAN-AZINE, TOTAL (UG/L) (81757)	DICAMBA (MED-IBEN) (BAN-VEL D) TOTAL (UG/L) (82052)
	MAR 07...	--	--	--	<0.01	<0.01	<0.01	<0.10	<0.10	<0.10	<0.10
APR 27...	--	--	--	--	--	--	--	--	--	--	--
APR 28...	--	--	--	--	--	--	--	--	--	--	--
MAY 31...	--	<0.01	--	--	--	--	--	--	--	--	--
AUG 21...	<10	--	<0.1	--	--	--	--	--	--	--	--
DATE	METOLA-CHLOR WATER WHOLE TOT.REC (UG/L) (82612)	METRIBUZIN WATER WHOLE TOT.REC (UG/L) (82611)	PICLO-RAM (TOR-DON) TOTAL (UG/L) (39720)	PROME-TONE TOTAL (UG/L) (39056)	PROME-TRYNE TOTAL (UG/L) (39057)	PRO-PAZINE TOTAL (UG/L) (39024)	PROPHAM TOTAL (UG/L) (39052)	SILVEX, TOTAL (UG/L) (39760)	SIMA-ZINE TOTAL (UG/L) (39055)	SIME-TRYNE TOTAL (UG/L) (39054)	TRI-FLURALIN TOTAL RECOVER (UG/L) (39030)
	MAR 07...	<0.1	<0.1	<0.01	<0.1	<0.1	<0.10	--	<0.01	<0.10	<0.1
APR 27...	--	--	--	--	--	--	--	--	--	--	--
APR 28...	--	--	--	--	--	--	--	--	--	--	--
MAY 31...	--	--	--	--	--	--	<0.5	--	--	--	--
AUG 21...	--	--	--	--	--	--	--	--	--	--	--

07277730 SENATOBIA CREEK NEAR SENATOBIA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

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	134	424	284	14	19	.71	10		
2	21	44	2.5	14	17	.64	10		
3	17	29	1.3	13	14	.50	9.9		
4	16	22	.93	14	10	.38	10		
5	16	17	.74	15	9	.37	10		
6	16	17	.76	577	706	1540	10		
7	16	19	.81	39	71	8.9	10		
8	16	20	.88	20	40	2.2	11		
9	16	23	1.0	16	17	.76	11		
10	17	27	1.2	13	13	.44	10		
11	17	31	1.4	12	13	.44	10		
12	17	30	1.4	12	14	.44	10		
13	17	28	1.3	12	13	.40	10		
14	17	26	1.2	12	13	.41	10		
15	18	24	1.1	13	18	.62	10		
16	20	26	1.5	14	25	.95	9.8		
17	23	58	3.6	11	17	.53	10		
18	17	24	1.1	11	11	.35	10		
19	14	23	.87	11	8	.25	11		
20	13	22	.77	11	9	.27	10		
21	12	21	.68	12	9	.29	9.9		
22	12	19	.62	163	237	191	9.6		
23	12	17	.55	67	57	18	10		
24	12	16	.52	16	15	.65	11		
25	12	14	.45	13	12	.41	12		
26	13	15	.53	12	11	.37	12		
27	14	16	.60	12	11	.34	11		
28	14	17	.66	11	10	.31	10		
29	14	19	.72	11	10	.29	11		
30	14	20	.74	10	10	.28	51		
31	14	19	.72	---	---	---	715		
JANUARY			FEBRUARY			MARCH			
1	61		24			63			
2	34		1450			292			
3	29		5890			92			
4	682		1010			40			
5	62		289			36			
6	71		175			29			
7	54		99			382			
8	188		48			2360			
9	47		867			436			
10	28		1930			236			
11	24		178			124			
12	20		64			63			
13	19		39			60			
14	17		31			46			
15	17		155			1620			
16	17		165			277			
17	62		30			97			
18	404		22			55			
19	59		20			40			
20	919		16			33			
21	104		15			33			
22	40		543			28			
23	28		67			25			
24	24		28			23			
25	22		19			27			
26	19		17			23			
27	17		17			22			
28	18		17			27			
29	1010		---			79			
30	83		---			292			
31	33		---			78			

YAZOO RIVER BASIN

07277730 SENATOBIA CREEK NEAR SENATOBIA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

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	35			19			49		
2	26			41			36		
3	21			25			53		
4	20			78			25		
5	23			29			16		
6	719			17			15		
7	89			14			14		
8	35			13			13		
9	26			13			13		
10	28			12			13		
11	27			12			12		
12	21			750			12		
13	19			266			12		
14	20			33			12		
15	22			21			106		
16	19			17			35		
17	18			15			12		
18	18			13			11		
19	16			13			11		
20	16			1720			11		
21	761			1040			10		
22	71			137			479		
23	29			46			23		
24	21			29			15		
25	17			22			13		
26	16			20			13		
27	95			29			13		
28	962			20			13		
29	64			16			12		
30	25			15			12		
31	---			414			---		
JULY			AUGUST			SEPTEMBER			
1	12			24			10		
2	12			12			10		
3	11			11			10		
4	11			11			11		
5	11			11			11		
6	11			11			10		
7	11			10			11		
8	10			11			10		
9	10			11			10		
10	10			11			11		
11	10			11			11		
12	13			11			22		
13	12			11			16		
14	11			12			29		
15	10			11			12		
16	9.9			11			12		
17	9.8			11			11		
18	10			11			12		
19	10			11			13		
20	10			11			13		
21	10			11			13		
22	9.8			11			13		
23	9.7			11			12		
24	9.9			11			12		
25	9.8			11			12		
26	9.7			10			12		
27	9.8			10			12		
28	9.9			10			12		
29	10			10			12		
30	10			10			12		
31	81			10			---		

07282000 YALOBUSHA RIVER AT CALHOUN CITY, MS

LOCATION.--Lat 33°50'20", long 89°18'55", in SE4SE4 sec.23, T.23 N., R.9 E., Choctaw Meridian, Calhoun County, Hydrologic Unit 08030205, at downstream side of bridge on State Highway 9, 0.8 mi upstream from Topashaw Creek, 1.2 mi south of Calhoun City, 1.5 mi upstream from old channel, and 4.8 mi upstream from Topashaw Creek Canal. Records include flow in Topashaw Creek Canal and all supplemental channels.

DRAINAGE AREA.--305 mi², combined drainage area of all channels.

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

REVISED RECORDS.--WRD Miss. 1970: 1969(M). WDR MS-78-1: 1977(P).

GAGE.--Water-stage recorder. Datum of gage is 226.06 ft above National Geodetic Vertical Datum 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. 22 - Dec. 27, June 20 - July 17, July 19 - Aug. 15, and Sept. 24 - 30. Records 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.

AVERAGE DISCHARGE.--40 years, 405 ft³/s, 18.03 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 70,100 ft³/s, Dec. 26, 1982, gage height, 25.75 ft, no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11,000 ft³/s and maximum (*).

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 20	1430	11,800	20.54	Feb. 10	0330	*14,800	*21.32
Feb. 3	2100	11,300	20.53	Mar. 2	0900	11,500	19.78

No flow, Aug. 29 - Sept. 7.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	604	6.7	26	877	241	138	191	162	245	5.4	6.2	.00
2	145	6.3	24	262	4640	7260	132	201	245	5.6	5.1	.00
3	54	5.6	24	154	4780	2200	98	125	432	5.9	4.3	.00
4	31	6.4	23	1740	4290	791	75	95	481	5.2	3.7	.00
5	23	6.2	21	1150	1330	349	66	97	173	4.8	3.4	.00
6	19	615	21	1990	527	235	69	62	85	4.7	2.8	.00
7	16	888	21	1190	334	195	97	43	54	4.5	2.5	.11
8	14	307	44	1930	255	2170	77	33	38	4.9	2.2	.83
9	12	283	437	752	1620	2890	59	27	29	6.5	2.1	.23
10	11	99	296	330	9610	1060	55	26	29	7.4	1.9	.24
11	11	49	152	220	2220	408	74	22	21	6.6	1.8	.15
12	12	32	97	165	641	279	58	62	17	9.9	1.6	.94
13	13	24	69	119	300	209	47	562	17	9.7	1.5	1.4
14	10	88	54	99	215	167	45	168	15	7.6	1.3	.89
15	9.0	259	45	89	345	825	88	69	18	5.9	1.1	.67
16	10	614	42	83	2030	1320	74	40	20	4.6	1.1	.65
17	18	198	37	80	894	546	57	29	74	4.9	1.1	.43
18	12	80	31	727	349	286	61	22	42	6.5	.99	.31
19	9.8	46	43	629	266	204	52	17	23	5.7	1.2	7.9
20	8.8	35	58	7280	207	153	39	68	15	4.8	.76	4.9
21	8.3	29	50	3340	160	122	664	1830	12	4.6	.69	.53
22	7.9	68	50	1230	2520	112	525	1410	12	5.2	.61	.49
23	7.5	396	46	406	1040	98	186	423	12	6.2	.41	.37
24	7.2	181	38	871	379	85	111	160	9.6	5.8	.25	.51
25	7.0	91	38	1120	215	77	76	87	8.4	5.2	.16	.52
26	6.4	63	40	466	156	112	54	61	7.7	4.4	.04	.45
27	6.3	51	41	275	138	181	320	153	7.3	3.9	.04	.35
28	5.8	45	42	213	118	148	2990	352	6.7	3.7	.21	.35
29	5.6	40	37	1430	---	210	671	151	6.3	3.8	.02	.34
30	5.6	30	53	900	---	495	229	60	5.7	4.4	.00	.31
31	5.8	---	1750	348	---	375	---	115	---	8.4	.00	---
TOTAL	1116.0	4642.2	3750	30465	39820	23700	7340	6732	2160.7	176.7	49.08	23.87
MEAN	36.0	155	121	983	1422	765	245	217	72.0	5.70	1.58	.80
MAX	604	888	1750	7280	9610	7260	2990	1830	481	9.9	6.2	7.9
MIN	5.6	5.6	21	80	118	77	39	17	5.7	3.7	.00	.00
CFSM	.12	.51	.40	3.22	4.66	2.51	.80	.71	.24	.02	.005	.003
IN.	.14	.57	.46	3.72	4.86	2.89	.90	.82	.26	.02	.01	.00
CAL YR 1989	TOTAL	232316.40	MEAN	636	MAX	15200	MIN	4.1	CFSM	2.09	IN	28.33
WTR YR 1990	TOTAL	119975.55	MEAN	329	MAX	9610	MIN	.00	CFSM	1.08	IN	14.63

YAZOO RIVER BASIN

07283000 SKUNA RIVER AT BRUCE, MS

LOCATION.--Lat 33°58'25", long 89°20'50", in SW4SW4 sec.6, T.13 S., R.1 W., Chickasaw Meridian, Calhoun County, Hydrologic Unit 08030205, on left bank on downstream side of bridge on State Highway 9, 1.0 mi south of Bruce.

DRAINAGE AREA.--254 mi².

PERIOD OF RECORD.--October 1947 to current year. Prior to March 1948 monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WSP 1920: 1958(P), 1959-60(M).

GAGE.--Water-stage recorder. Datum of gage is 228.45 ft above National Geodetic Vertical Datum of 1929 (levels U. S. Army Corps of Engineers). Prior to Jan. 1, 1972, at datum 10.30 ft higher. October 1947 to Aug. 30, 1948, nonrecording gage, Aug. 31, 1948 to Mar. 23, 1955, water-stage recorder, and Mar. 24, 1955 to Sept. 12, 1958, nonrecording gage at same site.

REMARKS.--Estimated daily discharges: Nov. 17 - 30, Feb. 9 - Mar. 13, Apr. 20 - May 3, and May 20 - June 7. Records are good except for Nov. 6 - 17 and Mar. 31 - Apr. 20, which are fair, and all estimated daily discharges, which are poor. U.S. Army Corps of Engineers telemeter at station.

AVERAGE DISCHARGE.--43 years, 358 ft³/s, 19.14 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61,400 ft³/s, Mar. 21, 1955, gage height, 34.11 ft present datum, from rating curve extended above 19,000 ft³/s on basis of incomplete current-meter measurement and computation of flow over the road and through bridge openings, minimum, 0.9 ft³/s, Aug. 18, 1954.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 31	1400	5,940	16.63	Feb. 2	1115	8,910	19.29
Jan. 20	1230	17,800	24.14	Feb. 3	2245	*23,000	*26.09

Minimum daily discharge, 5.6 ft³/s, Sept. 8.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	634	15	41	825	199	350	155	88	84	13	32	6.1
2	139	14	39	275	4380	2400	119	85	78	14	21	6.1
3	67	15	37	193	9870	1500	93	124	1300	15	17	5.8
4	44	15	35	1670	6970	800	77	92	480	14	16	6.1
5	34	14	35	669	688	400	72	81	300	12	13	5.8
6	29	820	36	2580	383	280	84	70	150	12	12	5.9
7	25	847	34	649	294	220	93	62	100	11	10	5.8
8	23	440	36	1370	239	550	79	55	80	11	9.4	5.6
9	21	304	175	402	600	960	69	52	68	15	8.7	5.9
10	20	103	160	218	1300	620	73	51	82	19	8.7	6.9
11	19	63	98	159	3700	360	84	44	58	16	8.4	13
12	19	52	73	124	1600	250	71	144	52	25	8.3	13
13	19	48	62	96	600	190	67	755	48	24	9.0	46
14	18	54	50	88	450	145	77	149	54	17	9.6	41
15	17	170	47	82	580	1010	91	97	70	13	9.3	19
16	18	580	42	79	1200	982	79	63	115	11	9.1	12
17	22	180	40	91	600	364	82	47	56	12	9.4	9.4
18	22	118	40	1090	300	201	90	39	43	13	10	7.8
19	19	92	46	495	240	146	72	34	32	13	8.3	16
20	17	80	53	8900	215	114	150	64	25	11	8.0	25
21	16	72	51	2410	185	100	250	1100	23	11	8.4	16
22	17	190	43	507	1150	91	130	540	24	12	10	13
23	17	370	45	307	740	86	98	220	27	16	8.4	12
24	16	140	40	626	270	80	70	150	23	15	7.2	10
25	16	96	39	744	190	88	62	120	20	13	7.0	8.5
26	15	80	41	302	160	101	58	95	18	11	6.7	7.9
27	15	66	42	200	135	106	400	900	18	9.5	6.5	8.9
28	15	55	42	161	120	98	150	400	17	9.0	6.8	7.8
29	14	50	45	2380	---	162	99	170	15	9.0	6.5	6.6
30	14	47	65	665	---	328	92	78	14	10	6.0	6.9
31	15	---	3190	282	---	277	---	82	---	15	5.9	---
TOTAL	1396	5190	4822	28639	37358	13359	3186	6051	3474	421.5	316.6	359.8
MEAN	45.0	173	156	924	1334	431	106	195	116	13.6	10.2	12.0
MAX	634	847	3190	8900	9870	2400	400	1100	1300	25	32	46
MIN	14	14	34	79	120	80	58	34	14	9.0	5.9	5.6
CFSM	.18	.68	.61	3.64	5.25	1.70	.42	.77	.46	.05	.04	.05
IN.	.20	.76	.71	4.19	5.47	1.96	.47	.89	.51	.06	.05	.05

CAL YR 1989	TOTAL	158035.0	MEAN	433	MAX	10100	MIN	11	CFSM	1.71	IN	23.15
WTR YR 1990	TOTAL	104572.9	MEAN	287	MAX	9870	MIN	5.6	CFSM	1.13	IN	15.32

07285400 BATUPAN BOGUE AT GRENADA, MS

LOCATION.--Lat 33°46'26", long 89°47'15", in NE4SE4 sec. 17, T. 22 N., R. 5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, on downstream side of bridge on State Highway 8, 0.2 mi east of Grenada, 1.4 mi upstream from mouth, and 1.1 mi downstream from Perry Creek.

DRAINAGE AREA.--240 mi²

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 162.13 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: Oct. 18-Nov. 6, 11-Dec. 30, Jan. 2, 3, 10-18, 23, 26-Feb. 1, 23-Mar. 1, 4-28 and Jun. 9-24. Records fair except estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--5 years, 368 ft³/s, 20.83 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 14,500 ft³/s, June 15, 1989, gage height, 15.33 ft; minimum, 17 ft³/s, June 18, 20-21, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,000 ft³/s, Mar. 2, gage height, 13.34 ft; minimum recorded, 27 ft³/s, Sept. 2, but may have been less during period of estimated daily discharge.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1972, 1985 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1985 to September 1987.

pH: June 1985 to September 1987.

WATER TEMPERATURE: June 1985 to September 1987.

DISSOLVED OXYGEN: July 1985 to September 1987.

SUSPENDED SEDIMENT CONCENTRATION: July 1985 to current year.

SUSPENDED SEDIMENT DISCHARGE: July 1985 to current year.

INSTRUMENTATION.--Automatic pumping sediment sampler since October 1985.

REMARKS.--Unpublished records of daily specific conductance, pH, water temperature, and dissolved oxygen during selected storm events are available in files of District office.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 3,790 mg/L, Nov. 9, 1986; minimum daily mean, 3 mg/L, Nov. 8, 1987, Aug. 1, 11, 1988.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 70,100 tons, Jun. 3, 1990; minimum daily, 0.22 ton, Nov. 8, 1987.

EXTREMES FOR CURRENT YEAR.--

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 3,660 mg/L, June 3; minimum daily mean, 7 mg/L, Oct. 30, Nov. 4.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 70,100 tons, June 3; minimum daily, 0.37 ton, Oct. 30.

PARTICLE-SIZE DISTRIBUTION OF SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SED. SUSP. FALL DIAM. % FINER THAN (70337)	SED. SUSP. FALL DIAM. % FINER THAN (70338)	SED. SUSP. FALL DIAM. % FINER THAN (70339)	SED. SUSP. FALL DIAM. % FINER THAN (70340)	SED. SUSP. FALL DIAM. % FINER THAN (70341)	SED. SUSP. FALL DIAM. % FINER THAN (70342)	SED. SUSP. FALL DIAM. % FINER THAN (70343)	SED. SUSP. FALL DIAM. % FINER THAN (70344)	SED. SUSP. FALL DIAM. % FINER THAN (70345)
FEB 22...	1205	6050	16	19	24	37	60	76	83	97	100

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	SAMPLE LOCAT. X-SECT. LOOKING UPSTRM. (% FROM R BANK) (00002)	BED MAT. SIEVE DIAM. % FINER THAN (80164)	BED MAT. SIEVE DIAM. % FINER THAN (80165)	BED MAT. SIEVE DIAM. % FINER THAN (80166)	BED MAT. SIEVE DIAM. % FINER THAN (80167)	BED MAT. SIEVE DIAM. % FINER THAN (80168)
JUN 13...	0947	25.0	<1	1	16	97	100
13...	0949	50.0	1	1	7	74	99
13...	0951	75.0	1	1	2	48	99
AUG 21...	1132	25.0	<1	1	22	91	100
21...	1134	50.0	<1	1	15	88	100
21...	1136	75.0	<1	1	40	97	100

07285400 BATUPAN BOGUE AT GRENADA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT											
03...	1400	105	85	6.5	24.5	8.0	0.140	0.020	0.070	0.040	4.6
18...	1340	30	110	6.5	15.0	8.0	0.080	0.030	0.060	0.030	3.3
31...	1030	21	167	7.0	17.5	8.2	0.030	<0.010	0.030	0.030	2.3
NOV											
14...	1500	220	96	6.4	18.5	8.3	0.120	0.020	0.260	0.120	3.6
28...	0930	145	86	6.3	15.0	9.3	0.060	0.010	0.060	0.050	2.3
DEC											
13...	1045	130	77	7.2	3.0	12.2	0.080	0.030	0.060	0.040	2.5
JAN											
03...	0850	495	71	7.2	6.0	11.1	0.120	0.040	0.080	0.060	2.1
09...	1215	618	57	7.2	8.5	10.8	0.140	0.040	0.090	0.050	4.5
22...	1335	1120	43	6.4	10.5	10.3	0.140	0.030	0.140	0.080	4.2
FEB											
05...	1345	1210	54	6.9	10.5	10.6	0.130	0.040	0.130	0.070	4.3
21...	1510	253	45	7.2	13.0	--	0.190	0.210	0.080	0.050	2.4
MAR											
06...	1700	520	67	6.8	14.0	9.5	0.150	0.020	0.060	0.040	2.7
20...	1745	255	78	6.5	14.0	10.0	0.170	0.020	0.030	0.030	2.4
APR											
04...	1310	178	92	6.9	15.0	10.4	0.130	0.030	0.050	0.030	2.4
17...	1040	130	95	7.1	18.5	9.7	0.110	0.020	0.060	0.030	2.9
30...	1445	316	67	7.1	25.0	8.6	0.130	0.020	0.090	0.060	6.2
MAY											
15...	1030	148	81	6.3	24.0	7.7	0.200	0.040	0.080	0.050	5.5
30...	1330	245	81	6.4	24.0	8.0	0.100	0.050	0.090	0.050	4.0
JUN											
13...	0945	128	105	7.0	25.5	7.2	0.200	0.050	0.050	0.030	4.7
27...	1425	67	127	7.3	29.5	8.2	0.100	<0.010	0.060	0.030	2.9
JUL											
11...	1000	48	138	7.2	29.0	7.7	<0.100	0.060	0.060	0.020	3.9
24...	1400	48	130	6.8	30.5	8.1	<0.100	0.060	0.040	0.020	4.9
AUG											
07...	1325	45	137	7.3	28.0	7.8	<0.100	0.040	0.060	<0.010	3.0
21...	1130	45	151	7.6	29.5	7.0	0.050	0.020	0.080	0.030	1.2
SEP											
04...	1350	29	141	7.5	31.5	8.1	0.060	0.020	0.060	0.020	1.7
18...	1145	30	151	7.3	25.0	8.1	0.080	0.020	0.060	0.020	1.8

DATE	TIME	PCB, TOTAL (UG/L) (39516)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39519)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L) (39250)	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	ALDRIN, TOTAL (UG/L) (39330)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	CHLOR- DANE, TOTAL (UG/L) (39350)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	DDD, TOTAL (UG/L) (39360)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39363)	DDE, TOTAL (UG/L) (39365)
MAR												
06...	1700	--	--	--	--	--	--	--	--	--	--	--
MAY												
30...	1330	<0.1	--	<0.10	--	<0.010	--	<0.1	--	<0.010	--	<0.010
AUG												
21...	1130	--	<1	--	<1.0	--	<0.1	--	<1.0	--	<0.1	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

[illegible]

YAZOO RIVER BASIN

07285400 BATUPAN BOGUE AT GRENADA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

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	333	125	128	21	11	.60	107	13	3.8
2	147	55	22	21	12	.66	105	13	3.8
3	106	48	14	21	10	.55	102	14	3.8
4	85	41	9.3	20	7	.40	100	14	3.7
5	71	25	4.9	20	8	.41	99	12	3.2
6	63	17	2.8	2300	1690	17200	100	10	2.8
7	57	17	2.6	2040	656	4580	108	12	3.5
8	53	17	2.5	1700	757	5170	150	16	6.3
9	48	18	2.3	783	192	510	170	24	11
10	45	18	2.2	329	54	49	160	34	15
11	42	18	2.0	85	29	6.6	158	25	11
12	40	17	1.8	62	15	2.6	154	19	8.1
13	37	16	1.6	57	12	1.9	130	20	6.9
14	35	14	1.4	220	102	61	122	14	4.7
15	33	13	1.2	310	154	129	122	18	6.0
16	32	12	1.1	225	130	79	112	20	6.0
17	40	35	4.0	145	75	30	107	20	5.7
18	30	26	2.1	125	52	17	102	19	5.3
19	29	16	1.3	110	37	11	97	20	5.2
20	27	13	.98	96	26	6.8	130	21	7.3
21	25	17	1.1	89	18	4.2	118	20	6.4
22	23	22	1.4	230	59	36	98	19	5.1
23	24	15	.96	280	135	102	93	18	4.6
24	23	13	.83	230	53	33	92	17	4.3
25	25	14	.96	170	31	14	90	16	3.8
26	27	12	.86	150	17	6.7	132	14	5.2
27	27	11	.79	156	12	4.9	125	13	4.5
28	23	11	.68	145	18	7.2	126	13	4.4
29	22	9	.52	120	14	4.7	118	22	7.0
30	21	7	.37	110	13	4.0	190	57	29
31	21	9	.53	---	---	---	4540	386	5160
JANUARY			FEBRUARY			MARCH			
1	1070	248	775	370	25	25	345	19	17
2	400	133	143	5710	1190	21800	7770	2360	59100
3	1050	70	199	3380	1150	13900	4380	579	7840
4	4640	367	5030	3750	1000	11400	1200	93	301
5	4280	259	3050	1330	328	1280	730	40	79
6	3050	1050	9980	789	145	313	520	64	90
7	884	401	1190	603	102	168	440	53	63
8	2010	827	5130	485	75	99	3300	1220	10900
9	680	186	371	1860	1670	20200	3600	1390	13500
10	570	67	103	7890	1770	42000	1150	419	1300
11	405	42	45	2180	354	2240	660	155	277
12	330	34	31	1070	175	517	490	77	102
13	300	35	28	671	123	224	410	51	57
14	280	31	24	486	91	120	1550	44	184
15	240	26	17	785	158	379	2750	699	5190
16	230	21	13	2030	377	2250	1650	316	1410
17	235	21	13	613	183	313	760	99	202
18	1450	371	1450	373	143	144	440	34	40
19	1990	263	1420	334	81	74	330	22	19
20	6830	2140	47300	279	61	46	255	16	11
21	3390	883	9120	249	55	37	225	16	9.7
22	1230	254	908	3650	1760	19900	200	20	11
23	950	82	209	1400	286	1080	180	21	10
24	2990	445	4140	680	86	158	195	19	10
25	3500	306	3070	470	42	53	220	21	13
26	580	93	146	385	27	29	280	29	22
27	370	44	44	345	22	20	350	44	42
28	270	45	33	320	20	17	260	72	50
29	2300	281	1740	---	---	---	435	91	108
30	910	142	348	---	---	---	801	246	721
31	450	45	54	---	---	---	571	149	250

07285400 BATUPAN BOGUE AT GRENADA, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

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	299	69	56	219	61	36	1540	1570	13600
2	244	40	26	186	54	27	1440	984	5090
3	200	38	20	169	45	20	5590	3660	70100
4	179	40	19	157	37	15	3230	1110	11400
5	178	37	18	149	33	13	1240	302	1030
6	212	50	29	135	31	11	738	169	343
7	247	48	32	123	23	7.8	406	110	122
8	184	41	20	112	24	7.2	270	75	55
9	162	36	16	109	26	7.6	216	59	35
10	166	52	24	106	29	8.2	183	54	27
11	199	76	42	107	33	9.6	163	54	24
12	150	44	18	638	939	4220	140	58	22
13	137	28	10	1550	1250	7280	128	53	18
14	150	23	9.4	234	148	109	112	52	16
15	182	48	24	149	46	19	158	501	214
16	148	30	12	122	34	11	178	372	179
17	136	29	11	111	32	9.7	183	194	96
18	158	28	12	101	33	8.9	168	113	51
19	132	31	11	93	32	8.0	130	72	25
20	118	35	11	340	140	208	108	46	13
21	116	33	10	1650	1260	7820	98	51	13
22	121	30	9.7	861	564	1710	90	63	15
23	113	27	8.2	226	102	66	82	60	13
24	125	229	77	165	44	20	79	55	12
25	109	240	70	141	33	12	73	50	9.8
26	98	169	45	129	30	10	68	43	7.8
27	267	282	935	3050	2150	32700	68	38	6.9
28	3200	2200	20500	1390	394	1870	65	39	6.9
29	940	313	928	428	103	122	62	40	6.7
30	341	98	94	255	58	41	59	41	6.5
31	---	---	---	523	161	330	---	---	---
JULY			AUGUST			SEPTEMBER			
1	57	41	6.2	104	138	40	28	38	2.9
2	55	41	6.1	65	77	14	29	35	2.7
3	63	77	14	56	43	6.4	29	32	2.5
4	52	47	6.7	71	64	14	30	29	2.4
5	49	40	5.2	54	42	6.2	30	30	2.4
6	48	34	4.4	49	37	4.9	30	27	2.2
7	47	34	4.2	46	31	3.9	30	24	1.9
8	46	34	4.2	45	25	3.0	29	24	1.9
9	45	35	4.2	44	33	3.9	29	26	2.1
10	47	35	4.5	44	44	5.3	29	28	2.2
11	46	34	4.3	43	42	4.9	30	30	2.4
12	48	42	5.6	43	39	4.5	41	40	5.2
13	75	228	50	43	36	4.1	56	64	11
14	48	92	12	46	36	4.4	56	58	9.5
15	43	49	5.7	44	37	4.4	39	34	3.6
16	41	37	4.1	41	37	4.1	34	32	2.9
17	43	50	6.1	41	36	4.0	32	31	2.6
18	52	72	10	41	36	3.9	31	34	2.8
19	44	32	3.8	39	36	3.8	31	47	4.1
20	41	25	2.7	38	36	3.7	41	65	7.4
21	41	22	2.4	43	36	4.2	37	43	4.4
22	42	28	3.4	37	39	3.8	34	34	3.1
23	45	40	5.1	35	41	3.9	34	36	3.3
24	45	29	3.6	35	40	3.8	31	37	3.1
25	42	26	2.9	33	38	3.4	31	34	2.8
26	39	24	2.5	33	36	3.2	30	29	2.4
27	38	22	2.3	33	34	3.0	30	25	2.1
28	37	21	2.1	32	32	2.8	30	28	2.3
29	36	20	2.0	32	31	2.7	29	33	2.7
30	37	32	3.2	32	34	2.8	30	35	2.8
31	157	132	73	30	38	3.0	---	---	---

YAZOO RIVER BASIN

07287355 FANNEGUSHA CREEK NEAR HOWARD, MS

LOCATION.--Lat 33°08'13", long 90°11'40", in NW4NE4 sec.28, T.15 N., R.1 E., Chickasaw Meridian, Holmes County, Hydrologic Unit 08030206, on downstream side of bridge on paved county road, 0.9 mi north of Howard and 2.2 mi south of State Highway 12.

DRAINAGE AREA.--103 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--March 1987 to current year. August 1953 to February 1965 (annual maximums only). Occasional records since 1947 in files of U.S. Army Corps of Engineers.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 123.79 ft National Geodetic Vertical Datum of 1929, (levels by U.S. Army Corps of Engineers).

REMARKS.--Estimated daily discharges: June 4-13. Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,000 ft³/s, April 12, 1955, gage height, 18.31; maximum gage height, 19.08 ft, Nov. 13, 1961 prior to the present levees; minimum 6.9 ft³/s, all or part of each day, Aug. 28-29, 1988 and Sept. 1-3, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,090 ft³/s, June 4, gage height, 18.10 ft; minimum, 13 ft³/s, All or part of each day, Sept. 1-4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	302	28	41	194	98	80	72	77	58	28	28	13
2	101	27	40	82	1090	3270	86	62	57	27	23	13
3	58	27	39	62	1360	819	70	56	2870	28	22	14
4	41	27	38	581	1620	462	56	52	2840	27	21	14
5	32	27	38	396	469	254	51	47	365	26	20	14
6	28	818	38	695	265	162	52	43	205	26	25	15
7	27	1150	43	477	178	128	60	40	144	25	23	15
8	52	313	78	799	137	2140	55	38	117	24	20	15
9	36	169	188	258	789	2670	47	38	109	23	18	16
10	25	69	99	135	3990	633	49	38	95	23	18	18
11	21	43	64	94	731	500	58	36	67	24	17	21
12	19	35	54	75	498	437	51	40	65	26	17	26
13	17	31	48	62	401	313	44	105	59	25	17	25
14	17	29	44	56	240	201	55	64	55	28	17	29
15	18	28	42	54	352	325	121	43	51	25	17	29
16	22	27	41	51	425	366	70	37	437	23	17	21
17	27	26	39	57	275	279	53	34	409	24	17	17
18	30	26	39	1190	166	182	48	31	281	27	16	15
19	25	26	43	876	140	132	44	29	81	27	16	22
20	24	25	49	3540	121	109	42	38	53	24	15	43
21	23	26	46	1600	103	96	43	662	52	24	15	22
22	24	979	39	545	875	90	44	530	49	24	15	20
23	25	1110	34	434	419	84	43	107	49	25	15	19
24	25	216	37	388	184	76	41	58	46	26	16	17
25	25	92	38	587	121	72	42	43	37	25	15	16
26	25	68	40	273	98	70	37	37	33	23	15	16
27	26	59	40	165	89	72	144	747	32	22	15	16
28	26	53	40	120	81	69	1510	651	31	21	15	15
29	27	47	43	260	---	68	243	121	30	21	15	15
30	27	43	55	255	---	75	110	63	29	21	15	15
31	28	---	334	132	---	78	---	47	---	25	14	---
TOTAL	1203	5644	1851	14493	15315	14312	3441	4014	8806	767	549	566
MEAN	38.8	188	59.7	468	547	462	115	129	294	24.7	17.7	18.9
MAX	302	1150	334	3540	3990	3270	1510	747	2870	28	28	43
MIN	17	25	34	51	81	68	37	29	29	21	14	13
CFSM	.38	1.83	.58	4.54	5.31	4.49	1.12	1.25	2.85	.24	.17	.18
IN.	.43	2.04	.67	5.23	5.53	5.17	1.24	1.45	3.18	.28	.20	.20
CAL YR 1989	TOTAL	89719	MEAN	246	MAX	4460	MIN	17	CFSM	2.39	IN	32.40
WTR YR 1990	TOTAL	70961	MEAN	194	MAX	3990	MIN	13	CFSM	1.88	IN	25.63

07287355 FANNEGUSHA CREEK NEAR HOWARD, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1987 to current year.

PERIOD OF DAILY RECORD.--

SUSPENDED SEDIMENT CONCENTRATION: March 1987 to May 1989.

SUSPENDED SEDIMENT DISCHARGE: March 1987 to May 1989.

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT							
03...	1215	57	93	7.1	21.5	8.4	--
19...	1115	25	149	7.4	12.0	12.8	--
NOV							
01...	1300	28	189	7.5	17.0	9.9	--
14...	1115	29	155	7.2	18.5	9.1	--
27...	1840	58	131	6.2	13.5	7.5	240
28...	0020	56	128	--	15.0	8.0	240
28...	0620	54	130	6.1	15.0	8.8	160
28...	1220	52	133	6.4	15.0	8.3	K85
28...	1825	51	134	6.1	14.5	8.6	230
29...	0020	49	--	--	13.5	9.0	240
29...	0620	48	140	7.6	10.5	9.8	K46
29...	1220	47	111	7.2	11.0	10.0	K42
29...	1825	45	112	7.3	11.0	10.4	K76
30...	0900	43	141	7.3	7.0	11.3	--
DEC							
14...	1530	44	143	7.4	7.0	11.6	--
JAN							
02...	1120	80	93	7.4	6.5	12.0	--
11...	0930	96	106	7.4	8.0	9.7	--
22...	1100	543	44	6.4	11.0	9.9	--
FEB							
05...	1645	434	58	6.8	12.0	9.8	--
22...	0940	1060	62	7.3	13.5	9.3	--
MAR							
08...	1335	496	108	7.4	14.5	8.9	--
20...	1430	109	148	6.6	15.5	9.7	--
APR							
04...	1520	55	164	7.2	18.5	9.9	--
17...	1210	52	148	7.4	19.5	9.6	--
MAY							
01...	1020	78	121	7.3	24.5	7.7	--
14...	1500	57	135	6.4	25.5	8.0	--
30...	1130	64	108	7.2	23.5	7.8	--
JUN							
12...	1000	87	167	7.0	24.5	7.5	--
25...	1615	36	171	7.7	30.0	8.2	--
JUL							
10...	1055	22	194	7.6	29.0	8.5	--
24...	1130	26	172	8.2	28.0	8.2	--
AUG							
08...	1100	20	186	7.4	24.0	8.7	--
22...	1130	15	181	7.7	29.0	7.0	--
28...	1830	16	193	8.2	32.5	7.1	K12
29...	0020	15	189	7.7	28.0	5.9	K72
29...	0630	15	181	7.8	27.5	5.7	K31
29...	1230	15	187	7.9	30.0	7.9	K24
29...	1830	15	189	8.1	32.5	7.3	K40
30...	0030	15	186	7.8	28.0	6.4	55
30...	0630	15	176	7.9	27.0	6.4	K60
30...	1230	15	180	8.2	30.0	7.7	K14
30...	1830	15	186	8.2	32.0	7.4	K28
SEP							
05...	1520	14	176	7.9	32.0	8.3	--
17...	1145	18	167	7.3	26.0	8.0	--

YAZOO RIVER BASIN

07287355 FANNEGUSHA CREEK NEAR HOWARD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT						
03...	--	0.140	0.030	0.120	0.080	5.3
19...	--	0.060	0.030	0.150	0.040	2.2
NOV						
01...	--	<0.020	<0.010	0.030	0.020	1.6
14...	--	0.090	0.020	0.070	0.060	1.6
27...	450	0.130	0.030	0.100	0.080	3.8
28...	430	0.130	0.030	0.100	0.080	3.6
28...	450	0.130	0.030	0.090	0.070	3.5
28...	420	0.120	0.030	0.080	0.070	3.4
28...	370	0.120	0.030	0.080	0.070	3.3
29...	330	0.110	0.020	0.080	0.070	3.3
29...	250	0.110	0.030	0.070	0.060	2.6
29...	160	0.110	0.030	0.070	0.060	1.2
29...	160	0.110	0.030	0.070	0.060	1.4
30...	--	0.100	0.040	0.060	0.060	2.8
DEC						
14...	--	0.130	0.050	0.080	0.060	2.1
JAN						
02...	--	0.180	0.040	0.220	0.140	4.3
11...	--	0.180	0.060	0.110	0.070	3.6
22...	--	0.160	0.060	0.460	0.210	5.5
FEB						
05...	--	0.180	0.050	0.310	0.160	6.0
22...	--	0.240	0.090	1.20	0.310	5.1
MAR						
08...	--	0.250	0.140	--	--	3.4
20...	--	0.140	0.040	0.080	0.020	2.2
APR						
04...	--	0.040	0.040	0.080	0.040	2.2
17...	--	0.080	0.030	0.060	0.040	3.3
MAY						
01...	--	0.180	0.070	0.110	0.080	4.4
14...	--	0.700	0.130	0.160	0.090	5.3
30...	--	0.200	0.110	0.160	0.110	7.7
JUN						
12...	--	<0.100	0.070	0.040	0.020	3.3
25...	--	<0.100	<0.010	0.040	0.020	2.3
JUL						
10...	--	<0.100	0.020	0.040	0.010	3.6
24...	--	<0.100	0.020	0.030	0.020	2.5
AUG						
08...	--	<0.100	0.030	0.030	<0.010	2.7
22...	--	0.020	0.020	0.060	0.030	1.3
28...	160	<0.100	0.010	0.040	0.020	2.5
29...	K54	<0.100	0.020	0.020	0.020	2.4
29...	380	<0.100	0.010	0.020	0.020	3.3
29...	K84	<0.100	0.020	0.030	0.020	2.0
29...	130	<0.100	0.010	0.020	0.020	2.1
30...	410	<0.100	<0.010	0.020	0.020	1.9
30...	450	<0.100	0.010	0.030	0.020	2.0
30...	98	<0.100	<0.010	0.020	0.030	2.1
30...	120	<0.100	0.080	0.040	0.030	2.5
SEP						
05...	--	<0.020	<0.010	0.070	0.030	1.4
17...	--	<0.020	0.010	0.050	0.020	1.6

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

		COLOR (PLAT- INUM- COBALT UNITS) (00080)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
DATE	TIME											
NOV 28...	1825	40	53	12	5.5	7.2	22	0.4	2.5	49	8.3	4.1
MAR 08...	1335	--	--	--	--	--	--	--	--	--	--	--
MAY 30...	1130	--	--	--	--	--	--	--	--	--	--	--
AUG 22...	1130	--	--	--	--	--	--	--	--	--	--	--
30...	1830	25	70	15	7.8	10	23	0.5	1.2	77	7.6	8.0
DATE	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	ALUM- INUM, TOTAL RECOV- ERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL (UG/L AS AS) (01002)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS) (01003)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD) (01028)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)
NOV 28...	4.0	19	93	93	0.13	12.8	610	<1	1	<1	<1	2
MAR 08...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 30...	--	--	--	--	--	--	--	--	--	--	--	--
AUG 22...	--	--	--	--	--	--	--	--	--	--	--	--
30...	<0.10	17	111	113	0.15	4.80	90	1	6	<1	<1	<1
DATE	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01029)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO) (01037)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO) (01038)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU) (01043)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE) (01170)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB) (01052)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	
NOV 28...	20	1	<5	2	3	2200	470	690	2	<10	690	
MAR 08...	--	--	--	--	--	--	--	--	--	--	--	
MAY 30...	--	--	--	--	--	--	--	--	--	--	--	
AUG 22...	--	--	--	--	--	--	--	--	--	--	--	
30...	<10	1	<10	5	3	710	190	2300	2	<10	190	
DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G) (01053)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	MERCURY FM BOT- TOM MA- TERIAL (UG/G AS HG) (71921)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/L AS SE) (01148)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN) (01093)	PCB, TOTAL (UG/L) (39516)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39519)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L) (39250)	
NOV 28...	710	37	<0.10	<0.01	<1	<1	10	2	--	--	--	
MAR 08...	--	--	--	--	--	--	--	--	--	--	--	
MAY 30...	--	--	--	--	--	--	--	--	<0.1	--	<0.10	
AUG 22...	--	--	--	--	--	--	--	--	--	<1	--	
30...	120	400	<0.10	<0.01	<1	<1	30	5	--	--	--	
DATE	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39251)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39330)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39333)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39350)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39351)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39360)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39363)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39365)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39368)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L) (39370)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG) (39373)	
NOV 28...	--	--	--	--	--	--	--	--	--	--	--	
MAR 08...	--	--	--	--	--	--	--	--	--	--	--	
MAY 30...	--	<0.010	--	<0.1	--	<0.010	--	<0.010	--	<0.010	--	
AUG 22...	<1.0	--	<0.1	--	<1.0	--	0.9	--	0.8	--	0.4	
30...	--	--	--	--	--	--	--	--	--	--	--	

YAZOO RIVER BASIN

171

07287400 BLACK CREEK AT LEXINGTON, MS

LOCATION.--Lat 33°06'19", long 90°03'12", NEMSEW sec.35, T.15 N., R.2 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, 300 ft downstream of bridge on State Highway 17 in Lexington.

DRAINAGE AREA.--88.1 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--February 1987 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 171.14 ft above National Geodetic Vertical Datum of 1929.

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

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,230 ft³/s, Mar. 18, 1987, gage height, 22.31 ft, minimum daily, 14 ft³/s, Sept. 9, 10, 1987.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 6,320 ft³/s, May 27 gage height, 20.85ft. minimum daily discharge, 24 ft³/s, Aug. 26-28, 31, Sept. 1-4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	282	28	48	160	112	137	557	83	90	34	35	24
2	110	29	47	94	562	2210	327	65	80	34	31	24
3	64	28	47	81	1120	613	172	60	1680	33	29	24
4	51	28	49	694	1070	312	135	57	984	30	28	24
5	45	28	50	471	332	209	78	54	254	30	30	25
6	41	1650	50	471	210	158	68	53	154	30	31	25
7	40	913	73	535	169	126	63	51	109	29	29	25
8	40	474	142	537	155	1200	54	50	89	29	28	25
9	39	221	187	247	500	1450	51	53	79	28	27	26
10	37	128	110	149	3560	401	73	51	76	38	27	40
11	35	86	80	108	621	247	73	48	65	44	26	36
12	34	56	71	86	354	180	51	69	57	38	26	40
13	34	51	67	76	253	155	46	114	56	39	26	39
14	34	48	64	71	197	137	164	56	51	40	27	37
15	33	47	64	67	941	181	156	48	49	32	27	34
16	53	45	64	60	738	210	61	44	52	30	28	32
17	68	36	55	118	362	145	50	43	62	33	28	30
18	44	34	56	948	225	93	52	40	55	36	27	26
19	37	40	75	624	186	78	43	39	52	34	26	27
20	33	36	69	2160	130	65	39	60	44	32	26	34
21	32	36	60	961	114	56	42	224	42	35	28	29
22	31	1290	50	364	682	51	44	196	40	32	25	29
23	31	702	72	232	302	47	40	58	40	33	25	29
24	30	221	59	389	160	45	36	45	38	34	28	27
25	30	118	49	553	114	42	34	39	36	31	25	26
26	33	84	52	268	97	44	32	36	35	29	24	25
27	32	75	54	176	92	46	463	2920	35	29	24	25
28	31	66	55	139	84	39	606	833	35	28	24	26
29	28	56	61	330	---	38	174	286	35	29	26	25
30	28	48	116	205	---	48	105	177	34	50	26	26
31	29	---	332	128	---	42	---	105	---	41	24	---
TOTAL	1489	6702	2428	11502	13442	8805	3889	6057	4508	1044	841	864
MEAN	48.0	223	78.3	371	480	284	130	195	150	33.7	27.1	28.8
MAX	282	1650	332	2160	3560	2210	606	2920	1680	50	35	40
MIN	28	28	47	60	84	38	32	36	34	28	24	24
CFSM	.55	2.53	.89	4.21	5.45	3.22	1.48	2.21	1.70	.38	.31	.33
IN.	.63	2.83	1.03	4.86	5.68	3.72	1.64	2.56	1.90	.44	.36	.36

CAL YR 1989 TOTAL 72351 MEAN 198 MAX 5080 MIN 20 CFSM 2.25 IN 30.55
WTR YR 1990 TOTAL 61571 MEAN 169 MAX 3560 MIN 24 CFSM 1.92 IN 26.00

YAZOO RIVER BASIN

07287400 BLACK CREEK AT LEXINGTON, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1988 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV							
27...	1830	75	83	7.0	17.0	9.3	1000
28...	0025	70	84	6.6	16.0	9.7	K1100
28...	0630	68	86	5.9	15.0	9.8	--
28...	1225	66	85	6.5	14.5	10.3	400
28...	1825	63	85	6.1	13.5	9.4	1100
29...	0030	62	87	5.8	11.5	11.0	1000
29...	0630	58	88	7.4	9.0	11.0	110
29...	1230	57	70	7.4	10.5	11.4	200
29...	1830	54	68	7.5	10.0	11.2	1400
AUG							
28...	1830	24	101	7.5	29.5	6.7	300
29...	0050	25	103	7.5	27.0	6.6	K290
29...	0700	26	101	7.5	25.5	6.8	540
29...	1230	27	100	7.6	28.0	7.2	>1200
29...	1830	26	98	7.3	31.0	6.5	2700
30...	0030	26	100	7.4	28.0	6.5	740
30...	0630	26	100	7.5	26.0	6.7	400
30...	1230	26	100	7.6	29.0	7.2	K88
30...	1830	25	98	7.6	31.5	6.5	620

DATE	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV						
27...	720	0.080	0.020	0.080	0.070	4.0
28...	680	0.080	0.020	0.070	0.070	3.8
28...	--	0.080	0.020	0.070	0.070	3.8
28...	400	0.080	0.020	0.070	0.070	3.8
28...	420	0.080	0.020	0.070	0.070	3.8
29...	380	0.080	0.020	0.060	0.070	3.7
29...	600	0.090	0.020	0.060	0.060	4.0
29...	270	0.080	0.030	0.060	0.060	3.8
29...	310	0.090	0.030	0.060	0.060	3.6
AUG						
28...	610	<0.100	0.020	0.030	0.020	2.3
29...	940	<0.100	0.020	0.010	0.020	2.3
29...	800	<0.100	0.020	0.020	0.020	2.3
29...	5700	<0.100	0.030	0.020	0.020	2.4
29...	1200	<0.100	0.040	0.040	0.020	2.5
30...	1700	<0.100	0.020	<0.010	0.020	2.4
30...	1100	<0.100	0.020	<0.010	0.020	2.3
30...	1500	<0.100	0.010	0.010	0.020	2.2
30...	3800	<0.100	0.020	0.040	0.020	2.4

07287404 HARLAND CREEK NEAR HOWARD, MS

LOCATION.--Lat 33°06'05", long 90°10'23", in NW4SW4 sec. 35, T. 15 N., R. 1 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on right bank at downstream side of bridge on gravel road, 1.3 mi downstream from Williams Creek, 0.8 mi upstream from mouth, and 1.8 mi southeast of Howard.

DRAINAGE AREA.--62.1 mi²

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--November 1986 to current year.

GAGE.--Water-stage recorder and crest-stage gage. Datum of gage is 132.85 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--Estimated daily discharges: May 27-30, June 3, 4, 15 to July 10. Records fair except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,440 ft³/s, Mar. 18, 1987, gage height 21.36 ft; minimum, 5.6 ft³/s, Aug. 17-18, 1988.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,760 ft³/s, May 27, gage height, 18.70 ft, from graph based on observer readings; minimum, 8.6 ft³/s, Aug. 31, Sept. 5, 6, 7.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1987 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: December 1986 to February 1987.

pH: December 1986 to March 1987.

WATER TEMPERATURE: December 1986 to March 1987.

DISSOLVED OXYGEN: December 1986 to February 1987.

SUSPENDED SEDIMENT CONCENTRATION: December 1986 to current year.

SUSPENDED SEDIMENT DISCHARGE: December 1986 to current year.

INSTRUMENTATION.--Automatic pumping sediment sampler since December 1986.

REMARKS.--Unpublished records of daily specific conductance, pH, water temperature, and dissolved oxygen during selected storm events are available in files of District office.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 11,100 mg/L, Feb. 2, 1988; minimum daily mean, 1 mg/L, on several days in 1987-88, 1990.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 62,800 tons, Nov. 16, 1987; minimum daily, 0.02 ton, on several days in 1988.

EXTREMES FOR CURRENT YEAR.--

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 3,300 mg/L, May 5; minimum daily mean, 1 mg/L, Oct. 30.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily, 25,100 tons, Jan. 20; minimum daily, 0.04 ton, Oct. 30.

PARTICLE-SIZE DISTRIBUTION OF SURFACE BED MATERIAL, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	SAMPLE LOCAT.	BED MAT.	BED MAT.	BED MAT.	BED MAT.	BED MAT.	BED MAT.	BED MAT.
		X-SECT. LOOKING UPSTRM.	SIEVE DIAM.	SIEVE DIAM.	SIEVE DIAM.	SIEVE DIAM.	SIEVE DIAM.	SIEVE DIAM.	SIEVE DIAM.
		(% FROM R BANK) (00002)	% FINER THAN .062 MM (80164)	% FINER THAN .125 MM (80165)	% FINER THAN .250 MM (80166)	% FINER THAN .500 MM (80167)	% FINER THAN 1.00 MM (80168)	% FINER THAN 2.00 MM (80169)	% FINER THAN 4.00 MM (80170)
JUN									
12...	1022	25.0	1	3	31	100	--	--	--
12...	1024	50.0	3	4	23	83	95	96	97
12...	1026	75.0	1	3	19	89	100	--	--
AUG									
22...	1202	25.0	71	76	89	99	100	--	--
22...	1204	50.0	33	37	66	97	100	--	--
22...	1206	75.0	40	45	86	100	--	--	--

YAZOO RIVER BASIN

07287404 HARLAND CREEK NEAR HOWARD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT							
03...	1000	26	163	7.2	20.0	8.4	--
19...	0955	13	242	7.5	12.0	12.7	--
NOV							
01...	1410	9.9	262	7.6	19.0	9.0	--
14...	1000	19	95	7.2	17.5	9.2	--
27...	1800	39	184	6.3	15.0	6.4	110
27...	2400	39	186	6.8	14.5	8.2	840
28...	0600	37	184	6.4	14.0	8.2	K100
28...	1200	35	189	6.5	15.5	8.4	K85
28...	1800	33	192	--	14.5	9.1	130
28...	2400	32	--	--	13.0	9.2	K88
29...	0600	30	200	7.4	11.5	9.5	K50
29...	1200	29	168	7.1	12.0	10.0	K36
29...	1800	28	165	7.1	11.5	10.0	180
30...	0920	23	204	7.1	8.5	10.6	--
DEC							
14...	1600	22	205	7.4	8.5	11.0	--
JAN							
02...	1035	60	132	7.4	7.0	11.8	--
11...	1015	58	171	7.2	9.0	9.8	--
22...	0945	145	109	7.1	9.5	10.2	--
FEB							
05...	1610	121	135	6.8	12.0	10.6	--
22...	1200	940	71	7.0	14.0	9.8	--
MAR							
08...	1410	343	110	7.2	14.0	9.2	--
20...	1345	47	221	6.9	15.5	9.8	--
APR							
04...	1620	60	182	7.2	19.0	9.7	--
17...	1315	36	213	7.3	19.0	9.3	--
MAY							
01...	1035	37	208	8.1	24.0	8.1	--
14...	1215	33	210	6.7	23.0	8.0	--
30...	1030	106	155	6.6	22.0	7.8	--
JUN							
12...	1020	52	246	7.2	24.5	7.7	--
25...	1450	23	197	7.4	30.0	7.4	--
JUL							
10...	0910	25	266	7.4	27.0	8.5	--
24...	1100	19	244	7.0	27.0	7.7	--
AUG							
08...	0930	10	277	7.4	22.0	8.9	--
22...	1200	9.1	265	7.7	29.5	8.4	--
28...	1800	9.1	281	7.8	32.5	7.4	K32
28...	2400	9.1	258	7.6	28.5	5.6	K16
29...	0600	9.1	270	7.6	26.0	5.6	K36
29...	1200	9.1	273	8.1	29.0	8.5	K24
29...	1800	9.1	274	8.0	32.5	8.1	K37
29...	2400	9.1	276	7.7	28.0	6.1	55
30...	0600	9.1	266	7.7	26.5	6.1	K5
30...	1200	9.1	271	7.9	30.0	8.7	50
30...	1800	9.1	266	8.1	31.5	8.1	K24
SEP							
05...	1545	8.6	255	7.9	32.5	8.8	--
17...	0955	11	251	7.3	25.0	8.3	--

YAZOO RIVER BASIN

175

07287404 HARLAND CREEK NEAR HOWARD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT						
03...	--	0.080	0.050	0.190	0.080	4.5
19...	--	0.040	0.050	0.080	0.030	1.9
NOV						
01...	--	0.020	<0.010	0.060	0.030	1.4
14...	--	0.030	0.030	0.100	0.080	3.8
27...	390	0.070	0.030	0.130	0.090	4.6
27...	300	0.060	0.030	0.120	0.090	4.4
28...	260	0.060	0.030	0.120	0.090	4.3
28...	260	0.060	0.030	0.110	0.080	4.2
28...	240	0.060	0.030	0.100	0.080	4.0
28...	180	0.050	0.030	0.110	0.080	3.9
29...	180	0.050	0.020	0.100	0.080	3.8
29...	100	0.050	0.020	0.100	0.080	3.7
29...	100	0.050	0.020	0.090	0.080	3.6
30...	--	0.050	0.040	0.100	0.080	3.3
DEC						
14...	--	0.050	0.030	0.090	0.080	2.6
JAN						
02...	--	0.160	0.040	0.240	0.130	--
11...	--	0.120	0.060	0.110	0.060	4.0
22...	--	0.100	0.060	0.320	0.150	4.6
FEB						
05...	--	0.130	0.040	0.210	0.110	4.7
22...	--	0.170	0.050	1.10	0.280	7.1
MAR						
08...	--	0.110	0.060	0.550	0.260	--
20...	--	0.030	0.020	0.060	0.050	2.5
APR						
04...	--	0.090	0.030	0.120	0.060	3.6
17...	--	0.020	0.010	0.100	0.070	3.6
MAY						
01...	--	0.050	0.040	0.090	0.060	3.0
14...	--	0.100	0.090	0.210	0.110	6.0
30...	--	<0.100	0.060	0.130	0.080	6.9
JUN						
12...	--	<0.100	0.020	0.050	0.030	2.8
25...	--	0.100	0.020	0.140	0.080	4.4
JUL						
10...	--	<0.100	0.050	0.070	0.020	2.2
24...	--	<0.100	0.020	0.060	<0.010	2.3
AUG						
08...	--	<0.100	0.020	0.030	<0.010	1.8
22...	--	0.020	0.010	0.070	0.030	0.9
28...	K73	<0.100	<0.010	<0.010	0.020	1.7
28...	200	<0.100	0.020	0.030	0.040	4.3
29...	290	<0.100	0.010	0.020	0.020	1.9
29...	K28	<0.100	0.040	0.040	0.020	2.1
29...	K41	<0.100	<0.010	0.020	0.020	1.9
29...	200	<0.100	0.040	0.020	0.030	1.8
30...	200	<0.100	0.010	0.020	0.020	1.9
30...	K32	<0.100	<0.010	0.020	0.030	1.8
30...	110	<0.100	<0.010	0.020	0.030	1.8
SEP						
05...	--	<0.020	<0.010	0.070	0.040	0.8
17...	--	<0.020	0.010	0.060	0.030	1.6

07287404 HARLAND CREEK NEAR HOWARD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD- SORP- TION RATIO (00931)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	ALKA- LINITY LAB (MG/L CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)
NOV 28...	1800	20	87	20	9.0	7.6	15	0.4	2.5	87	8.4	4.5
MAR 08...	1410	--	--	--	--	--	--	--	--	--	--	--
MAY 30...	1030	--	--	--	--	--	--	--	--	--	--	--
AUG 22...	1200	--	--	--	--	--	--	--	--	--	--	--
30...	1800	22	120	27	13	11	16	0.4	1.4	129	4.9	8.1

DATE	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL) (01105)	ARSENIC TOTAL TOM MATERIAL (UG/G AS AS) (01002)	ARSENIC TOTAL RECOVERABLE (UG/L AS CD) (01027)	CADMIUM RECOVERABLE (UG/L AS CD) (01028)	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR) (01034)
------	---	--	--	--	--	--	--	---	--	---	--

DATE	WIND SPEED	WIND DIRECTION	WIND GUST	WIND CHILL	WIND COLD	WIND COLD	WIND COLD	WIND COLD	WIND COLD	WIND COLD	WIND COLD	WIND COLD
NOV 28...	0.10	19	127	124	0.17	12.0	720	1	2	<1	<1	2
MAR 08...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 30...	--	--	--	--	--	--	--	--	--	--	--	--
AUG 22...	--	--	--	--	--	--	--	--	--	--	--	--
30...	0.30	24	160	167	0.22	3.89	70	2	9	3	<1	<1

[illegible]

NOV											
28...	4	3	<5	2	1	3100	410	880	2	<10	830
MAR											
08...	--	--	--	--	--	--	--	--	--	--	--
MAY											
30...	--	--	--	--	--	--	--	--	--	--	--
AUG											
22...	--	--	--	--	--	--	--	--	--	--	--
30...	<10	<1	<10	1	2	900	30	1400	1	<10	320

[illegible]

	NOV										
28...	820	51	<0.10	<0.01	<1	<1	20	2	--	--	--
MAR											
08...	--	--	--	--	--	--	--	--	--	--	--
MAY											
30...	--	--	--	--	--	--	--	--	<0.1	--	<0.10
AUG											
22...	--	--	--	--	--	--	--	--	--	<1	--
30...	220	380	<0.10	<0.01	<1	<1	<10	2	--	--	--

	PCN, TOTAL IN BOT- TOM MA-	ALDRIN, TOTAL IN BOT- TOM MA-	CHLOR- DANE, TOTAL IN BOT- TOM MA-	CHLOR- DANE, TOTAL IN BOT- TOM MA-	DDD, TOTAL IN BOT- TOM MA-	DDE, TOTAL IN BOT- TOM MA-	DDT, TOTAL IN BOT- TOM MA-
DATE	TOTAL (UG/KG) (39251)	TOTAL (UG/L) (39330)	TOTAL (UG/KG) (39333)	TOTAL (UG/L) (39350)	TOTAL (UG/L) (39365)	TOTAL (UG/L) (39365)	TOTAL (UG/L) (39373)

[illegible]

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

[illegible]

YAZOO RIVER BASIN

07287404 HARLAND CREEK NEAR HOWARD, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

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	74	91	21	10	10	.28	21	21	1.2
2	39	41	4.3	10	13	.37	20	21	1.1
3	26	42	3.1	11	15	.43	19	20	1.1
4	21	24	1.4	10	17	.47	19	20	1.0
5	18	14	.67	11	19	.57	18	20	.99
6	16	9	.38	1580	2460	19700	17	21	.98
7	16	7	.28	636	1210	3720	23	35	3.0
8	15	5	.21	450	1260	2880	59	72	12
9	15	4	.16	115	273	96	89	230	60
10	13	3	.10	50	74	10	51	78	11
11	13	2	.07	31	39	3.3	37	49	4.9
12	13	2	.07	24	24	1.6	28	37	2.9
13	13	2	.07	21	18	1.0	24	30	2.0
14	13	3	.09	19	22	1.1	22	20	1.2
15	13	3	.11	17	9	.42	21	18	1.0
16	15	24	1.5	16	8	.35	19	18	.93
17	33	140	16	15	8	.31	19	20	1.0
18	17	24	1.1	14	6	.24	20	22	1.2
19	13	16	.60	14	5	.19	27	37	2.9
20	13	5	.17	14	4	.15	37	35	3.5
21	13	3	.11	13	3	.11	26	28	1.9
22	13	4	.12	1560	2630	21800	23	34	2.1
23	13	4	.14	461	1100	2260	24	33	2.2
24	12	4	.13	102	156	45	19	23	1.2
25	12	4	.12	69	73	14	19	17	.90
26	11	3	.09	52	49	6.9	19	17	.88
27	11	3	.08	43	34	4.0	20	18	.96
28	12	2	.07	35	27	2.6	20	20	1.1
29	11	2	.05	29	23	1.8	25	29	2.0
30	11	1	.04	23	23	1.4	55	137	29
31	11	2	.07	---	---	---	448	832	1570
JANUARY			FEBRUARY			MARCH			
1	97	213	58	53	63	8.9	50	27	3.7
2	59	118	19	338	2290	3270	1870	2450	19700
3	48	81	10	715	2230	7660	280	234	186
4	500	2460	5110	659	1220	3530	135	156	57
5	412	2250	5110	135	249	92	104	110	31
6	450	1770	2750	96	124	32	86	88	20
7	339	1590	2240	78	65	14	76	71	15
8	377	1170	1480	70	54	10	1070	1980	12700
9	105	288	84	270	1800	1600	804	1150	3690
10	73	124	25	2520	2790	22600	180	244	121
11	58	68	11	283	804	662	123	170	57
12	48	44	5.7	160	379	165	100	128	35
13	41	33	3.7	134	231	84	92	105	26
14	36	32	3.1	118	143	46	79	100	21
15	32	33	2.8	348	1170	1260	97	165	46
16	28	34	2.6	449	1300	2040	130	236	83
17	39	436	200	162	225	104	119	230	76
18	1240	4430	13800	106	105	30	75	104	22
19	499	1590	2840	94	82	21	61	50	8.2
20	1630	5570	25100	81	77	17	50	29	4.0
21	557	1540	3230	73	70	14	44	25	3.0
22	143	340	136	547	1450	3120	41	23	2.5
23	101	147	41	142	290	121	38	20	2.1
24	245	1130	1530	84	162	37	37	19	1.9
25	492	1510	2630	67	153	28	34	17	1.6
26	115	294	94	58	148	23	32	16	1.4
27	81	176	39	52	89	13	30	15	1.2
28	67	108	20	49	37	4.9	30	14	1.1
29	148	764	383	---	---	---	29	16	1.3
30	91	308	80	---	---	---	36	21	2.0
31	62	98	17	---	---	---	34	24	2.2

07287404 HARLAND CREEK NEAR HOWARD, MS--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

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	857	1500	9050	37	45	4.5	94	64	16
2	293	826	884	32	28	2.5	156	915	494
3	92	204	53	30	22	1.8	518	1150	1610
4	62	97	16	31	20	1.6	422	676	770
5	51	67	9.3	29	18	1.4	111	197	60
6	47	68	8.6	28	17	1.3	89	86	21
7	42	54	6.1	26	17	1.2	75	60	12
8	38	41	4.2	24	15	.98	67	51	9.3
9	36	33	3.2	25	11	.74	64	44	7.5
10	37	35	3.6	25	13	.88	60	37	6.0
11	42	38	4.3	24	18	1.1	55	32	4.7
12	34	41	3.7	28	40	3.7	51	34	4.7
13	32	40	3.5	67	251	49	50	37	5.0
14	94	518	249	35	103	10	50	35	4.8
15	96	289	97	28	43	3.3	68	92	17
16	47	47	6.0	26	26	1.8	176	618	294
17	38	47	4.8	26	24	1.7	184	440	219
18	33	37	3.3	26	22	1.5	163	885	390
19	30	32	2.6	28	22	1.7	61	103	17
20	29	29	2.3	40	28	3.1	47	39	4.9
21	31	31	2.6	347	1640	2380	45	36	4.4
22	34	37	3.4	155	493	299	72	147	29
23	30	26	2.1	65	47	8.5	117	687	217
24	29	23	1.8	52	26	3.6	32	112	9.7
25	27	23	1.7	48	27	3.5	21	56	3.2
26	26	29	2.0	64	29	5.0	26	43	3.0
27	210	790	2060	2520	3300	22400	36	26	2.5
28	477	1030	2220	431	911	1060	32	21	1.8
29	71	97	19	137	161	60	28	20	1.5
30	46	47	5.9	114	117	36	26	20	1.4
31	---	---	---	104	100	28	---	---	---
JULY			AUGUST			SEPTEMBER			
1	26	20	1.4	15	22	.92	9.5	21	.53
2	27	20	1.5	14	23	.90	9.9	19	.50
3	27	17	1.3	13	22	.78	9.9	16	.42
4	29	15	1.1	13	20	.73	9.6	12	.30
5	30	16	1.3	15	19	.75	8.6	8	.20
6	29	17	1.4	13	18	.64	8.6	11	.26
7	27	18	1.3	11	16	.49	8.8	18	.42
8	27	17	1.3	11	17	.49	9.6	17	.44
9	27	19	1.3	11	18	.54	20	213	29
10	25	25	1.7	10	16	.44	18	296	17
11	31	29	2.4	11	15	.45	11	76	2.2
12	26	27	1.9	12	15	.47	11	24	.75
13	32	24	2.1	11	14	.44	18	64	4.7
14	30	23	1.9	10	14	.39	23	82	5.4
15	27	29	2.1	10	16	.44	13	43	1.5
16	23	107	6.7	11	17	.50	12	24	.82
17	28	63	5.0	10	18	.50	11	15	.45
18	26	28	2.2	11	18	.55	9.5	16	.40
19	22	22	1.3	11	19	.56	28	677	224
20	21	35	1.9	11	19	.53	67	732	219
21	22	53	3.2	9.1	18	.43	19	127	7.0
22	22	40	2.4	9.3	16	.40	14	50	1.9
23	24	22	1.4	9.5	14	.37	14	34	1.3
24	19	18	.94	9.2	19	.48	12	24	.79
25	18	16	.78	10	19	.53	11	22	.63
26	18	16	.75	10	18	.50	10	21	.59
27	16	15	.66	10	18	.48	10	23	.64
28	16	15	.66	9.1	20	.49	11	26	.74
29	17	15	.67	9.1	23	.55	11	26	.77
30	17	14	.64	9.0	22	.54	11	26	.80
31	16	17	.75	9.2	22	.55	---	---	---

YAZOO RIVER BASIN

07288800 YAZOO RIVER AT REDWOOD, MS
(National stream-quality accounting network station)

LOCATION.--Lat 32°29'14", long 90°49'02", on line between secs. 1 and 4, T.17 N., R.4 E., Washington Meridian, Warren County, Hydrologic Unit 08030208, at downstream side of Illinois Central Gulf Railroad bridge, 0.6 mi downstream from U.S. Highway 61, 1.0 mi northwest of Redwood, and at mile 16.7.

DRAINAGE AREA.--12,603 mi².

PERIOD OF RECORD.--Water years 1961-62, 1972 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1978 to September 1981.

WATER TEMPERATURE: October 1978 to September 1981.

REMARKS.--Prior to October 2, 1980, daily values of specific conductance listed as 30 microsiemens represent 30 microsiemens or less due to instrument limitations.

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREP-TOCOCCI, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CaCO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV 14...	1430	--	125	7.0	18.0	95	9.5	101	900	370	43	11
FEB 12...	1400	27000	69	6.7	13.0	180	9.2	87	810	2300	27	6.9
MAY 02...	1330	17100	87	6.8	23.0	32	6.3	74	3100	K1800	30	7.7
JUN 22...	1500	44100	118	6.8	28.0	74	--	--	--	--	44	12
SEP 06...	0930	9590	95	6.9	29.5	3.8	5.3	70	K87	K50	32	8.1
DATE	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SiO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	
NOV 14...	3.8	6.7	23	0.4	5.3	48	40	11	6.3	0.10	7.1	--
FEB 12...	2.3	2.9	17	0.2	2.4	30	25	6.0	2.4	<0.10	6.8	57
MAY 02...	2.7	4.3	22	0.3	2.3	32	26	6.6	6.9	0.20	7.1	61
JUN 22...	3.4	5.0	19	0.3	3.0	54	44	7.6	2.3	0.10	6.7	60
SEP 06...	2.8	5.3	25	0.4	1.9	33	27	7.2	4.9	<0.10	<0.01	51
DATE	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 14...	78	0.11	--	0.550	0.080	0.90	0.260	0.040	0.040	286	--	98
FEB 12...	46	0.08	4160	0.200	0.100	0.90	<0.010	<0.010	0.020	331	24100	100
MAY 02...	56	0.08	2820	0.400	0.080	0.80	0.170	0.030	0.030	167	7710	100
JUN 22...	69	0.08	7140	0.300	0.050	0.80	0.230	0.090	0.070	116	13800	100
SEP 06...	48	0.07	1320	0.200	0.060	0.40	0.060	0.040	0.030	78	2020	100

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	ALUM- INUM, DIS- SOLVED (UG/L AS AL) (01106)	ARSENIC DIS- SOLVED (UG/L AS AS) (01000)	BARIUM, DIS- SOLVED (UG/L AS BA) (01005)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE) (01010)	CADMIUM DIS- SOLVED (UG/L AS CD) (01025)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR) (01030)	COBALT, DIS- SOLVED (UG/L AS CO) (01035)	COPPER, DIS- SOLVED (UG/L AS CU) (01040)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	LEAD, DIS- SOLVED (UG/L AS PB) (01049)
FEB 12...	220	<1	38	0.6	1.0	<5	<3	<10	250	<10
MAY 02...	110	1	39	<0.5	<1.0	<1	<3	16	240	2
JUN 22...	70	3	48	<0.5	3.0	<1	<3	4	150	<1
SEP 06...	30	1	<2	<0.5	<1.0	<1	<3	2	<3	<1
DATE	LITHIUM DIS- SOLVED (UG/L AS LI) (01130)	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)	VANA- DIUM, DIS- SOLVED (UG/L AS V) (01085)	ZINC, DIS- SOLVED (UG/L AS ZN) (01090)
FEB 12...	<4	9	<0.1	<10	20	<1	<1.0	39	<6	27
MAY 02...	<4	15	0.5	<10	2	<1	<1.0	49	<6	20
JUN 22...	<4	78	<0.1	<10	2	<1	<1.0	58	<6	4
SEP 06...	21	<1	0.2	<10	<1	<1	<1.0	1	<6	<3

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS
(National stream-quality accounting network station)

LOCATION.--Lat 32°18'45", long 90°54'25", in sec.32, T.16 N., R.3 E., Washington Meridian, Warren County, Hydrologic Unit 08060100, on left bank at downstream side of Interstate 20 bridge, and at mile 435.3.

DRAINAGE AREA.--1,140,500 mi², approximately. The 4,000 mi², approximately, in the Great Divide basin in Southern Wyoming is not included.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Discharge: January 1928 to September 1988. Prior to July 1931, monthly discharge only, published in WSP 1311.

Gage heights: April 1930 to September 1988 in reports of Geological Survey. Since December 1871, referred to canal gages (above 30.0 ft or 9.14 m only, since December 1949), September 1934 to December 1964, referred to bridge gage, in reports of Mississippi River Commission. January 1937 to December 1967, referred to bridge gage, January 1968 to December 1976, referred to gage 1.1 mi upstream and January 1977 to September 1986 referred to gage at mile 435.3 (corrected), in reports of U. S. Army Corps of Engineers. Since May 1873, in reports of National Weather Service.

Extremes of stage, intermittently 1828 to 1871, and since 1871, extremes of discharge for various years 1858 to 1926 and since 1926, annual mean discharges since 1871, and records of daily discharge 1928 to 1964 are available in reports of Mississippi River Commission. Since January 1947 daily discharge in reports of U. S. Army Corps of Engineers. Prior to October 1968, published as Mississippi River near Vicksburg.

REVISED RECORDS.--WRD Miss. 1975: Drainage area.

GAGE.--Water-stage recorder operated by the U. S. Army Corps of Engineers. Datum of gage is 46.22 ft above National Geodetic Vertical Datum of 1929 (U. S. Army Corps of Engineers bench mark) or 46.16 ft above mean gulf level. The U.S. Geological Survey operated a water-stage recorder over the cavity in the fourth pier from left bank at combined highway and railway bridge of Vicksburg Bridge Commission of Warren County, at southern city limits of Vicksburg, 1.5 mi downstream from Yazoo diversion canal, and at mile 435.7 (corrected), operated until January, 1977. Gages used by Mississippi River Commission: Dec. 10, 1871 to Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 mi upstream from bridge gage, since Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 mi upstream from bridge gage, since October 1929, nonrecording gage on Yazoo diversion canal, 1,600 ft upstream from mouth. Gages used by National Weather Service, May 18, 1873 to Oct. 29, 1919, nonrecording gage 0.5 mi upstream from bridge gage, Oct. 30, 1919 to Nov. 30, 1922, nonrecording gage at mouth of Yazoo Canal, Dec. 1, 1922 to Aug. 31, 1934, nonrecording gage on Yazoo diversion canal, Sept. 1, 1934 to Dec. 31, 1962, nonrecording gage at bridge, Jan. 1, 1963 to Dec. 31, 1967, water-stage recorder on left bank near downstream side of bridge, Jan. 1, 1968 to Dec. 31, 1976, on left bank at site 1.1 mi upstream, and since Jan. 1, 1977, on left bank at downstream side of Interstate 20 bridge. All gages at same datum, but readings differ due to slope of water surface between them.

REMARKS.--Natural flow of stream affected by many reservoirs and navigation dams. U. S. Army Corps of Engineers telemeter at station.

COOPERATION.--Records furnished by U. S. Army Corps of Engineers.

AVERAGE DISCHARGE.--60 years, 583,000 ft³/s, 422,390,000 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,080,000 ft³/s, Feb. 17, 1937, maximum gage height, 53.2 ft Feb. 21, 1937, minimum discharge, 99,400 ft³/s, Nov. 1, 1939, minimum gage height, -7.02 ft, Feb. 3, 1940 (ice jam above).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1871, 58.4 ft U. S. Army Corps of Engineers gage on Yazoo diversion canal, approximately 56.0 ft, May 4, 1927 (U. S. Geological Survey gage).

Note.--Records for the 1989 and 1990 Water Years will be published in a subsequent report.

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1962, 1972 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1975 to current year.
WATER TEMPERATURE: October 1973 to current year.

INSTRUMENTATION.--Specific conductance-temperature recorder since October 1973.

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

COOPERATION.--Discharge measurements were furnished by Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE (water years 1980-81, 1984-87, 1989): Maximum, 595 microsiemens, Aug. 10, 1986; minimum, 202 microsiemens, Mar. 1, 2, 1989. Minimum recorded (water years 1975-79, 1982-83, 1988), 200 microsiemens, Dec. 17, 19, 20, 1977, Dec. 21, 1982.

WATER TEMPERATURE (water years 1977, 1981-82, 1984-87, 1989): Maximum, 32.5°C, Aug. 4, 1982, Aug. 7-9, 1987; minimum, 0.0°C, Jan. 15-27, Feb. 1, 2, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 463 microsiemens, Aug. 11, Sept. 25, 26; minimum, 248 microsiemens, Feb. 27-Mar. 1.
WATER TEMPERATURE: Maximum, 30.5°C, July 1, Aug. 25-27; minimum recorded, 3.0°C, Jan. 2, but may have been lower during instrument malfunction Dec. 8-Jan. 1.

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, UM-MF (COLS./100 ML) (31625)	STREP-TOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV 14...	1000	182000	405	7.8	16.5	22	9.3	96	1700	K85	150	42
JUN 23...	1600	1050000	316	7.4	26.5	93	--	--	--	--	130	37
DATE		MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00932)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3 CACO3) (00453)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS CACO3) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	
NOV 14...	12	22	23	0.8	3.6	142	116	62	16	0.20	6.0	
JUN 23...	10	11	15	0.4	3.2	120	98	32	10	<0.10	6.7	
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00665)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)
NOV 14...	245	237	0.33	120000	0.700	0.030	0.50	0.140	0.060	0.060	10	
JUN 23...	172	176	0.23	488000	1.60	<0.010	0.80	0.380	0.070	0.050	<10	
DATE		ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	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)
NOV 14...	1	63	<0.5	<1.0	<1	<3	2	4	<1	11	4	
JUN 23...	2	66	<0.5	<1.0	<1	<3	3	6	<1	<4	1	
DATE		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)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. & FINER THAN .062 MM (70331)
NOV 14...	<0.1	<10	2	<1	<1.0	200	<6	18	--	--	--	
JUN 23...	<0.1	<10	1	<1	<1.0	150	<6	7	303	859000	90	

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25 DEG. C, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	393	388	391	347	344	345	369	362	367	---	---	---
2	399	394	397	355	344	347	362	354	358	---	---	---
3	402	394	399	378	356	369	355	352	353	382	354	372
4	409	401	405	390	379	385	360	356	358	380	344	368
5	417	407	412	394	391	393	370	360	365	370	359	368
6	423	417	420	396	390	395	370	365	367	384	365	374
7	422	419	420	396	344	385	373	367	371	384	378	381
8	424	420	422	376	327	353	369	361	364	381	365	372
9	423	412	418	398	376	388	362	357	360	373	365	369
10	411	391	402	411	399	406	360	353	358	379	362	373
11	390	362	374	419	412	415	361	355	358	360	347	352
12	371	361	364	418	414	415	---	---	---	351	345	347
13	375	372	374	417	411	414	---	---	---	366	351	360
14	379	373	375	416	382	404	---	---	---	372	366	370
15	380	379	380	421	416	419	---	---	---	368	358	362
16	379	377	378	378	324	352	---	---	---	356	344	349
17	376	374	375	388	379	385	---	---	---	348	344	346
18	375	373	374	387	362	376	---	---	---	346	342	344
19	374	371	372	368	364	367	376	374	375	345	341	342
20	383	374	379	364	359	361	375	363	369	358	345	353
21	386	379	381	365	358	363	365	361	364	363	357	359
22	388	377	382	361	348	354	362	360	361	378	362	370
23	385	379	383	350	342	347	364	362	363	404	379	390
24	387	380	383	345	334	340	366	354	362	407	398	403
25	394	386	390	334	329	331	---	---	---	397	389	393
26	391	389	391	331	329	331	---	---	---	389	365	377
27	390	385	387	337	330	333	---	---	---	363	355	358
28	386	384	385	350	337	344	---	---	---	358	356	357
29	385	373	381	356	350	353	---	---	---	357	350	355
30	372	347	358	367	356	360	---	---	---	350	332	341
31	347	346	346	---	---	---	---	---	---	332	319	326
MONTH	424	346	387	421	324	371	---	---	---	407	319	363
FEBRUARY			MARCH			APRIL			MAY			
1	319	311	315	250	248	249	336	333	335	350	349	350
2	312	308	310	256	249	252	338	331	336	351	348	350
3	316	311	313	268	256	261	342	337	339	352	350	351
4	326	315	318	281	269	275	344	339	342	350	345	348
5	352	327	343	290	282	285	343	339	341	345	332	339
6	357	336	351	291	288	289	340	336	338	332	323	326
7	335	301	313	291	287	289	338	334	336	322	311	318
8	300	292	296	287	282	284	337	334	335	311	302	306
9	292	285	288	286	279	282	338	333	336	308	301	304
10	286	281	283	298	285	290	344	337	340	320	308	313
11	281	276	279	305	298	303	351	343	347	323	318	321
12	276	270	273	306	303	305	357	351	354	318	305	312
13	268	258	263	303	291	298	361	357	359	307	304	306
14	257	253	254	293	290	292	367	361	364	310	308	309
15	260	254	257	301	291	296	374	367	371	308	298	303
16	263	261	262	320	301	310	381	375	378	298	295	296
17	262	259	260	338	319	329	380	378	379	298	294	296
18	266	260	263	345	333	341	379	376	378	304	299	302
19	272	267	270	347	342	344	380	379	379	313	304	308
20	275	269	272	344	338	341	382	379	381	322	313	317
21	280	273	278	342	333	337	381	377	380	337	322	329
22	279	269	275	350	337	344	377	370	374	351	338	342
23	270	262	265	358	348	355	369	365	367	344	338	341
24	262	257	259	357	333	346	366	360	363	344	329	337
25	257	253	255	332	313	321	360	349	353	328	311	319
26	253	250	252	314	310	312	349	345	347	310	301	305
27	250	248	249	320	314	317	346	342	344	300	292	296
28	249	248	249	324	319	322	344	340	342	293	291	292
29	---	---	---	329	323	327	349	344	347	297	293	295
30	---	---	---	333	327	330	350	348	349	304	297	300
31	---	---	---	335	331	333	---	---	---	310	304	306
MONTH	357	248	281	358	248	308	382	331	354	352	291	317

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

SPECIFIC CONDUCTANCE, MICROSIEMENS PER CENTIMETER AT 25 DEG. C, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	313	310	312	356	344	350	444	438	441	433	427	429
2	---	---	---	350	337	341	449	444	448	440	433	437
3	---	---	---	336	329	333	449	439	444	441	438	440
4	---	---	---	328	324	326	439	429	434	441	438	440
5	---	---	---	327	323	325	429	418	423	439	433	436
6	---	---	---	333	327	329	419	412	415	432	427	429
7	---	---	---	341	332	337	412	411	412	427	424	425
8	---	---	---	349	341	345	420	412	415	424	418	420
9	---	---	---	359	342	353	437	420	428	427	418	422
10	---	---	---	370	360	365	459	439	450	433	427	431
11	---	---	---	377	370	373	463	458	461	439	432	436
12	---	---	---	381	377	379	457	436	448	444	439	442
13	310	309	310	386	381	383	435	413	423	442	438	440
14	315	310	312	391	387	390	413	408	410	440	428	434
15	323	314	319	391	389	390	420	411	416	428	419	423
16	325	322	323	390	389	390	424	420	422	420	418	419
17	325	317	321	391	388	390	424	422	423	420	417	419
18	320	310	314	399	391	395	421	417	420	421	415	418
19	314	307	310	405	399	402	419	417	418	432	423	427
20	307	300	305	406	399	403	421	417	419	432	426	430
21	316	305	311	401	398	400	421	419	420	429	427	429
22	317	310	315	401	396	398	419	416	418	433	428	430
23	325	312	317	406	395	400	426	415	422	441	430	437
24	347	329	337	419	407	413	427	424	425	453	441	445
25	356	347	352	419	414	417	426	422	424	463	450	458
26	359	351	355	415	411	413	441	425	431	463	458	460
27	351	344	347	415	413	414	452	442	448	458	450	453
28	357	345	350	423	414	418	452	449	451	453	443	449
29	362	357	360	426	421	422	453	446	451	448	442	447
30	361	355	359	424	420	421	446	440	442	451	442	449
31	---	---	---	437	425	431	444	425	434	---	---	---
MONTH	---	---	---	437	323	382	463	408	430	463	415	435
YEAR	463	248	362									

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	19.5	19.5	19.5	17.5	17.5	17.5	10.0	9.5	9.5	---	---	---
2	20.0	19.5	19.5	17.5	17.0	17.0	9.5	8.5	9.0	3.5	3.0	4.0
3	20.0	20.0	20.0	17.0	16.5	16.5	9.0	8.5	8.5	3.5	3.5	3.5
4	20.5	20.0	20.0	16.5	16.0	16.5	8.5	7.0	7.5	4.0	3.5	4.0
5	20.5	20.0	20.0	16.5	16.5	16.5	8.5	7.0	8.0	4.5	4.0	4.5
6	20.5	20.5	20.5	16.5	16.5	16.5	8.5	8.0	8.0	4.5	4.5	4.5
7	20.5	20.5	20.5	17.5	16.5	16.5	8.5	7.0	7.5	5.0	4.5	4.5
8	20.0	19.5	18.5	17.0	16.5	16.5	---	---	---	5.0	4.5	4.5
9	19.5	19.5	19.5	16.5	16.5	16.5	---	---	---	4.5	4.5	4.5
10	19.5	19.0	19.5	16.5	16.0	16.5	---	---	---	4.5	4.0	4.5
11	19.5	19.0	19.0	16.5	16.0	16.5	---	---	---	4.5	4.0	4.5
12	19.5	19.0	19.5	16.5	16.0	16.5	---	---	---	5.0	4.5	4.5
13	19.5	19.0	19.5	16.0	16.0	16.0	---	---	---	4.5	4.5	4.5
14	19.5	19.0	19.5	16.0	16.0	16.0	---	---	---	4.5	4.5	4.5
15	19.5	19.5	19.5	17.5	16.0	16.5	---	---	---	5.0	4.5	4.5
16	19.5	19.5	19.5	---	---	---	---	---	---	5.0	5.0	5.0
17	19.5	19.5	19.5	15.0	13.0	14.5	---	---	---	6.0	5.0	5.5
18	19.5	18.0	18.5	14.5	13.5	14.0	---	---	---	6.0	6.0	6.0
19	---	---	---	14.0	12.5	14.0	---	---	---	6.5	6.0	6.0
20	---	---	---	14.0	12.5	13.5	---	---	---	7.0	6.5	7.0
21	16.0	16.0	16.0	13.5	13.5	13.5	---	---	---	7.0	7.0	7.0
22	16.0	16.0	16.0	14.0	11.5	12.5	---	---	---	7.5	7.0	7.0
23	16.0	15.5	16.0	12.0	11.0	11.5	---	---	---	7.5	7.5	7.5
24	16.0	15.5	16.0	12.0	10.5	11.5	---	---	---	8.0	7.5	7.5
25	16.0	15.5	15.5	11.5	11.0	11.5	---	---	---	8.0	7.5	8.0
26	15.5	15.5	15.5	---	---	---	---	---	---	7.5	7.5	7.5
27	16.0	15.5	16.0	---	---	---	---	---	---	7.5	7.5	7.5
28	16.0	15.5	16.0	---	---	---	---	---	---	7.5	7.5	7.5
29	16.0	16.0	16.0	11.5	10.0	10.5	---	---	---	7.5	7.5	7.5
30	17.5	15.5	16.5	10.0	10.0	10.0	---	---	---	7.5	7.0	7.5
31	17.5	17.5	17.5	---	---	---	---	---	---	7.5	7.5	7.5
MONTH	20.5	15.5	18.0	17.5	10.0	15.0	---	---	---	8.0	3.0	6.0

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	8.5	8.0	8.0	9.0	9.0	9.0	13.5	13.5	13.5	19.5	19.5	19.5
2	8.5	8.0	8.5	9.0	8.5	8.5	13.5	13.5	13.5	20.0	19.5	20.0
3	9.0	8.5	8.5	8.5	8.0	8.5	14.0	13.5	13.5	20.5	20.0	20.0
4	9.0	9.0	9.0	8.5	8.0	8.0	14.0	13.5	14.0	20.0	19.5	20.0
5	9.0	8.5	9.0	8.0	8.0	8.0	14.5	14.0	14.0	19.5	19.5	19.5
6	9.0	9.0	9.0	8.5	8.0	8.0	14.5	14.0	14.5	19.5	19.5	19.5
7	9.0	9.0	9.0	8.5	8.5	8.5	14.5	14.0	14.0	19.5	19.5	19.5
8	9.0	9.0	9.0	9.0	8.5	9.0	14.5	14.0	14.5	19.5	19.5	19.5
9	9.0	8.5	9.0	9.5	9.0	9.0	14.5	14.5	14.5	19.5	19.5	19.5
10	9.5	9.0	9.0	10.0	9.5	10.0	14.5	14.5	14.5	19.5	19.5	19.5
11	9.5	9.0	9.0	11.0	10.0	10.5	14.5	14.5	14.5	19.5	19.5	19.5
12	9.5	9.5	9.5	11.5	11.0	11.5	15.0	14.5	14.5	---	---	---
13	10.0	9.5	9.5	12.5	12.0	12.0	15.0	14.5	14.5	---	---	---
14	10.5	10.0	10.0	13.5	12.5	13.0	15.0	14.5	14.5	---	---	---
15	11.0	10.0	10.5	13.5	13.5	13.5	15.0	14.5	14.5	---	---	---
16	11.0	10.5	11.0	14.0	14.0	14.0	15.0	15.0	15.0	---	---	---
17	11.0	11.0	11.0	14.5	14.0	14.0	15.5	15.0	15.5	---	---	---
18	11.0	10.5	10.5	15.0	14.5	14.5	15.0	15.0	15.0	---	---	---
19	10.5	10.5	10.5	15.0	15.0	15.0	15.0	15.0	15.0	---	---	---
20	10.5	10.0	10.5	15.0	14.5	15.0	15.5	15.0	15.0	---	---	---
21	10.0	10.0	10.0	15.0	15.0	15.0	15.5	15.0	15.5	---	---	---
22	10.0	10.0	10.0	15.0	15.0	15.0	16.0	15.5	15.5	---	---	---
23	10.0	10.0	10.0	15.0	15.0	15.0	16.0	15.5	16.0	---	---	---
24	10.0	9.5	9.5	15.0	15.0	15.0	16.5	16.0	16.0	---	---	---
25	9.5	9.5	9.5	15.0	14.5	15.0	17.5	16.5	17.0	---	---	---
26	9.5	9.0	9.0	14.5	14.0	14.0	18.0	17.5	17.5	---	---	---
27	9.0	9.0	9.0	14.0	13.5	13.5	18.5	18.0	18.0	---	---	---
28	9.0	9.0	9.0	13.0	13.0	13.0	18.5	18.5	18.5	---	---	---
29	---	---	---	13.0	13.0	13.0	19.0	18.5	19.0	---	---	---
30	---	---	---	13.0	13.0	13.0	19.5	19.0	19.5	---	---	---
31	---	---	---	13.5	13.0	13.5	---	---	---	---	---	---
MONTH	11.0	8.0	9.5	15.0	8.0	12.0	19.5	13.5	15.5	---	---	---
		JUNE			JULY			AUGUST			SEPTEMBER	
1	---	---	---	28.0	28.0	28.0	29.5	29.5	29.5	28.5	28.5	28.5
2	---	---	---	28.5	28.0	28.0	29.5	29.5	29.5	28.5	28.5	28.5
3	---	---	---	28.5	28.0	28.5	29.5	29.5	29.5	28.5	28.5	28.5
4	---	---	---	28.5	28.5	28.5	29.5	29.5	29.5	29.0	28.5	28.5
5	---	---	---	29.0	28.5	28.5	29.5	29.5	29.5	29.0	28.5	29.0
6	---	---	---	29.0	28.5	29.0	29.5	29.0	29.0	29.0	29.0	29.0
7	---	---	---	29.5	29.0	29.0	29.0	28.5	29.0	29.0	29.0	29.0
8	---	---	---	29.5	29.0	29.5	28.5	28.5	28.5	29.0	29.0	29.0
9	---	---	---	30.0	29.5	29.5	28.5	28.0	28.0	29.0	28.5	29.0
10	---	---	---	30.0	30.0	30.0	28.0	28.0	28.0	28.5	28.5	28.5
11	---	---	---	30.5	30.0	30.0	28.0	28.0	28.0	28.5	28.0	28.0
12	---	---	---	30.0	30.0	30.0	28.0	28.0	28.0	28.0	27.5	27.5
13	25.0	25.0	25.0	30.0	29.5	30.0	28.0	28.0	28.0	27.5	27.5	27.5
14	25.0	25.0	25.0	29.5	29.5	29.5	28.0	27.5	28.0	27.5	27.0	27.0
15	25.5	25.0	25.0	29.5	29.0	29.5	28.0	28.0	28.0	27.5	27.0	27.0
16	25.5	25.5	25.5	29.0	28.5	29.0	28.5	28.0	28.0	27.5	27.5	27.5
17	26.0	25.5	26.0	28.5	28.5	28.5	28.5	28.0	28.5	27.5	27.0	27.5
18	26.5	26.0	26.0	28.5	28.5	28.5	29.0	28.5	28.5	27.0	27.0	27.0
19	27.0	26.5	26.5	28.5	28.5	28.5	29.0	28.5	29.0	27.0	26.5	27.0
20	27.5	27.0	27.0	29.0	28.5	28.5	29.5	29.0	29.0	26.5	26.5	26.5
21	27.5	27.0	27.5	29.0	28.5	28.5	29.5	29.0	29.5	26.5	26.5	26.5
22	28.0	27.5	27.5	29.0	28.5	28.5	29.5	29.5	29.5	26.5	26.0	26.0
23	28.0	28.0	28.0	29.0	28.5	28.5	29.5	29.5	29.5	26.0	25.0	25.5
24	28.0	28.0	28.0	28.5	28.5	28.5	30.0	29.5	30.0	25.0	24.5	24.5
25	28.5	28.0	28.0	28.5	28.5	28.5	30.5	30.0	30.0	24.5	24.0	24.5
26	28.0	28.0	28.0	28.5	28.5	28.5	30.5	30.0	30.0	24.0	24.0	24.0
27	28.0	27.5	28.0	29.0	28.5	28.5	30.5	30.0	30.0	24.0	23.5	23.5
28	28.0	27.5	28.0	29.0	28.5	29.0	30.0	30.0	30.0	23.5	23.5	23.5
29	28.0	28.0	28.0	29.5	29.0	29.5	30.0	30.0	30.0	23.5	23.5	23.5
30	28.5	28.0	28.0	29.5	29.5	29.5	30.0	29.5	29.5	23.5	23.5	23.5
31	---	---	---	29.5	29.5	29.5	29.5	28.5	29.5	---	---	---
MONTH	---	---	---	30.5	28.0	29.0	30.5	27.5	29.0	29.0	23.5	27.0
YEAR	30.5	---	18.5									

07289350 BIG BLACK RIVER AT WEST, MS

LOCATION.--Lat 33°11'39", long 89°46'15", in NW4 sec.3, T.15 N., R.5 E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, near right bank on downstream side of bridge on State Highway 19, 0.2 mi east of West, 5.2 mi upstream from Jordan Creek, and 7.1 mi downstream from Zilpha Creek.

DRAINAGE AREA.--1,027 mi².

PERIOD OF RECORD.--September 1971 to current year. July 1936 to December 1946 and January 1947 to 1971 (gage heights and occasional discharge measurements) in reports of U. S. Army Corps of Engineers, Vicksburg district.

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

GAGE.--Water-stage recorder. Datum of gage is 249.74 ft above National Geodetic Vertical Datum 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: Oct. 7 to Nov. 5, May 9-10, Aug. 8-16. Records good except for estimated daily discharges, which are poor. Telemeter at station.

AVERAGE DISCHARGE.--19 years, 1,636 ft³/s, 21.63 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 71,200 ft³/s May 21, 1983, gage height, 26.08 ft, minimum, 13 ft³/s, Oct. 14, 1987.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 30, 1951, reached a stage of 24.09 ft, discharge, 47,000 ft³/s, at site about 2,000 ft downstream.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 8	2000	10,800	19.39	Feb. 11	0130	12,200	19.69
Jan. 21	1300	*14,500	*20.15	Mar. 5	0100	13,000	19.87
Feb. 6	0230	11,000	19.44	June 4	1200	12,800	19.82

Minimum discharge, 36 ft³/s, Sept. 6,7,8,9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2820	94	574	2360	2280	1380	1340	2750	408	140	127	41
2	2350	92	469	2400	2630	3470	1520	3160	550	129	115	39
3	1710	90	418	2330	4300	10800	1280	2290	2880	121	137	38
4	1310	89	383	3120	7500	11400	981	922	11200	118	134	38
5	735	87	365	5100	10600	12600	786	544	6890	115	111	38
6	397	604	355	5510	10800	9770	655	434	4020	112	121	37
7	320	2440	355	6650	9300	6500	747	379	3800	107	115	37
8	340	2970	617	9870	6310	4630	929	342	3260	101	100	37
9	273	2870	1320	9570	4290	7160	1030	318	1780	97	85	38
10	226	2720	1360	7480	7430	6040	943	291	726	96	80	41
11	188	2520	1360	6430	10600	4950	852	269	460	96	75	46
12	165	2290	1330	4990	10000	5610	747	257	347	96	72	130
13	153	1530	1090	3610	10000	4300	674	596	294	111	68	124
14	142	764	837	2480	7310	3200	638	790	250	110	64	198
15	134	483	660	1330	4850	2270	865	843	224	108	62	192
16	125	398	548	914	4430	1910	758	631	231	101	60	111
17	137	427	474	795	3910	1840	691	403	277	98	58	81
18	171	526	437	2040	3270	1920	595	298	808	100	56	65
19	149	458	470	2970	3320	2150	515	241	635	98	54	57
20	138	370	634	4310	3680	2090	456	214	518	142	57	63
21	130	333	664	12800	3190	1550	413	431	370	277	69	78
22	125	927	642	12800	3140	1090	408	1500	306	250	68	71
23	122	2760	513	13000	4220	890	440	1140	292	263	60	65
24	119	3240	446	11300	3640	770	551	983	426	221	56	60
25	116	2950	423	9350	3670	691	489	676	582	190	54	56
26	112	2580	383	6400	4020	637	383	407	424	198	52	54
27	108	2690	348	4160	3250	733	415	1330	274	167	49	51
28	104	2490	384	3460	2240	778	1870	2880	203	133	47	48
29	100	1520	429	3160	---	788	2200	2480	169	132	46	46
30	98	818	704	3020	---	888	2070	813	152	128	44	45
31	96	---	1710	2540	---	1270	---	448	---	117	42	---
TOTAL	13213	42130	20702	166249	154180	114075	26241	29060	42756	4272	2338	2025
MEAN	426	1404	668	5363	5506	3680	875	937	1425	138	75.4	67.5
MAX	2820	3240	1710	13000	10800	12600	2200	3160	11200	277	137	198
MIN	96	87	348	795	2240	637	383	214	152	96	42	37
CFSM	.42	1.37	.65	5.22	5.36	3.58	.85	.91	1.39	.13	.07	.07
IN.	.48	1.53	.75	6.02	5.58	4.13	.95	1.05	1.55	.15	.08	.07
CAL YR 1989	TOTAL	954497	MEAN	2615	MAX	29600	MIN	87	CFSM	2.55	IN	34.57
WTR YR 1990	TOTAL	617241	MEAN	1691	MAX	13000	MIN	37	CFSM	1.65	IN	22.36

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MS
(National stream-quality accounting network station)

LOCATION.--Lat 32°20'51", long 90°41'48", in NW4SE4 sec.22, T.16 N., R.5 E., Washington Meridian, Hinds County, Hydrologic Unit 08060202, on left bank at downstream side of bridge on U.S. Highway 80 (old), 300 ft upstream from Clear Creek, 0.4 mi upstream from Illinois Central and Gulf Railroad bridge, 2.3 mi east of Bovina, 10.8 mi upstream from Fourteenmile Creek, and at mile 61.7. Records include flow of Clear Creek.

DRAINAGE AREA.--2,812 mi², (includes that of Clear Creek).

WATER-DISCHARGE RECORDS

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, crest-stage gage, and supplemental nonrecording gage read twice daily. Datum of gage is 84.93 ft above National Geodetic Vertical Datum of 1929 or 85.00 ft above mean Gulf level (levels by U. S. Army Corps of Engineers). Prior to Oct. 23, 1941, nonrecording gage at same site and datum.

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

AVERAGE DISCHARGE.--54 years, 3,773 ft³/s, 18.22 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 92,300 ft³/s, May. 24, 1983, gage height, 40.77 ft, minimum, 65 ft³/s, Oct. 2, 1954, gage height, 5.98 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--From information by local residents, floods at Askews Bridge, 6 mi upstream, reached elevations above NGVD of 1929 as follows: Dec. 20, 1961, 139.2 ft, in 1912 and in January 1927, 139 ft, Apr. 1, 1951, 138.5 ft. A flood in May 1930, reached about the same elevation as that of Apr. 1, 1951, at Askews Bridge.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 13	1000	14,300	29.82	Mar. 08	0200	17,200	32.12
Jan. 25	0600	*27,100	*35.89	May 31	1700	18,900	32.97
Feb. 15	1700	23,600	34.86				

Minimum discharge, 92 ft³/s, Sept. 9, gage height, 6.25 ft.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2910	242	6590	3850	20800	9630	1560	8830	12800	627	2550	109
2	3910	234	3730	5540	19300	11700	1920	7920	10800	533	3140	106
3	4610	223	2180	6290	18400	12300	3070	5600	9250	469	2600	106
4	4780	218	1630	8340	19400	12400	4000	3620	7170	458	1360	107
5	4270	220	1360	10600	18000	13000	3960	3330	6460	547	651	100
6	2970	229	1200	11400	17100	14700	2910	3090	6300	490	406	97
7	2100	990	1180	11500	16600	16500	2160	2260	6090	403	304	96
8	1580	4940	1460	12100	16300	17100	1810	1610	6120	360	254	94
9	1170	8330	1820	12200	17300	16200	1570	1290	6270	321	231	93
10	889	8400	2440	12400	20200	14800	1500	1110	6430	297	212	242
11	735	8040	2950	13100	20400	13400	1650	969	6580	305	199	328
12	670	7610	2940	14000	20700	12400	1730	1730	6660	274	191	374
13	603	6710	2560	14300	21800	11900	1800	9130	5400	283	182	851
14	538	5420	2290	14000	22200	11600	2020	8640	2640	1310	174	417
15	487	3650	2140	13300	22800	11300	2960	7490	1650	1530	167	433
16	445	2610	1920	12400	22800	10800	3030	5020	1390	967	165	301
17	419	2260	1670	11600	21300	10200	2920	3120	1110	638	161	253
18	391	2230	1450	14100	19800	9430	2430	2080	991	457	147	209
19	353	1830	1370	15700	18700	8320	1910	1600	1210	342	145	189
20	333	1390	1570	17900	17500	6070	1570	1330	1320	286	145	504
21	322	1100	1870	20200	16500	3850	1400	1530	1080	282	140	488
22	338	1870	1960	20400	16000	3260	1580	2670	1460	292	135	273
23	334	6080	1920	21900	15400	3060	1810	2900	2780	380	131	190
24	314	7160	1900	24800	14200	2680	2070	2990	1850	941	142	165
25	299	7560	1880	26800	13200	2240	1860	2580	1460	943	177	149
26	288	7790	1490	25400	12200	1920	1430	2070	1090	979	167	138
27	280	7660	1000	23300	11200	1710	1310	1850	916	694	150	132
28	271	7740	919	21300	10400	1560	4730	1920	799	575	137	128
29	265	8040	898	21800	---	1490	7960	2850	836	449	127	122
30	259	8060	931	21800	---	1510	8840	4410	750	347	120	117
31	252	---	1870	21600	---	1510	---	10500	---	398	114	---
TOTAL	37385	128836	61088	483920	500500	268540	79470	116039	119662	17177	14924	6911
MEAN	1206	4295	1971	15610	17880	8663	2649	3743	3989	554	481	230
MAX	4780	8400	6590	26800	22800	17100	8840	10500	12800	1530	3140	851
MIN	252	218	898	3850	10400	1490	1310	969	750	274	114	93
CFSM	.43	1.53	.70	5.55	6.36	3.08	.94	1.33	1.42	.20	.17	.08
IN.	.49	1.70	.81	6.40	6.62	3.55	1.05	1.54	1.58	.23	.20	.09

CAL YR 1989	TOTAL	2092402	MEAN	5733	MAX	33200	MIN	218	CFSM	2.04	IN	27.68
WTR YR 1990	TOTAL	1834452	MEAN	5026	MAX	26800	MIN	93	CFSM	1.79	IN	24.27

07290000 BIG BLACK RIVER NEAR BOVINA, MS---Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1959, 1962-63, 1972-73, 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1975 to September 1981.

WATER TEMPERATURE: July 1975 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREP-TOCOCCI, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CAC03) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	
NOV 13...	1330	6650	89	6.5	20.5	66	8.2	91	470	300	18	4.1	
JAN 23...	1200	21800	61	6.8	12.5	44	10.7	100	4300	2700	19	4.6	
APR 30...	1200	8870	72	6.8	24.0	52	7.0	84	1600	610	22	5.5	
JUL 11...	1230	302	180	7.2	32.5	12	6.1	85	K1400	1400	63	15	
AUG 08...	1100	253	137	7.3	28.0	24	5.3	68	>6000	>10000	45	11	
DATE		MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE, WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY TOT IT FIELD (MG/L AS CACO3) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)
NOV 13...	1.8	4.7	28	0.5	6.4	15	12	9.0	7.0	0.10	8.0	--	--
JAN 23...	1.8	3.5	25	0.4	3.2	22	18	6.0	6.4	0.10	6.2	--	--
APR 30...	2.0	5.1	30	0.5	2.9	27	22	7.8	6.1	0.20	5.8	68	68
JUL 11...	6.3	12	28	0.7	2.6	77	63	8.3	14	<0.10	12	111	111
AUG 08...	4.3	8.4	27	0.5	3.7	57	46	7.7	8.9	0.30	10	77	77
DATE		SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORG-ANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (MG/L) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV 13...	49	0.07	885	0.130	0.070	0.80	0.270	0.040	0.040	126	2260	100	100
JAN 23...	44	0.06	2590	0.140	0.070	1.0	0.150	0.050	0.050	114	6710	100	100
APR 30...	52	0.09	1630	0.500	0.210	1.5	0.250	0.060	0.050	600	14400	100	100
JUL 11...	109	0.15	90.5	0.100	0.040	0.90	0.100	0.020	0.040	44	36	96	96
AUG 08...	83	0.10	52.6	<0.100	0.070	0.90	0.150	0.060	0.030	64	44	97	97
DATE		ALUM-INUM, DIS-SOLVED (UG/L AS AL) (01106)	ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	LEAD, DIS-SOLVED (UG/L AS PB) (01049)		
JAN 23...	190	<1	40	<0.5	<1.0	<1	<3	<10	180	<10			
APR 30...	200	2	37	<0.5	2.0	<1	<3	5	380	1			
AUG 08...	20	2	48	<0.5	<1.0	<1	<3	4	34	<1			
DATE		LITHIUM DIS-SOLVED (UG/L AS LI) (01130)	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)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)		
JAN 23...	<4	57	<0.1	<10	<10	<1	<1.0	30	<6	15			
APR 30...	<4	45	<0.1	<10	3	<1	<1.0	41	<6	5			
AUG 08...	<4	26	0.1	<10	3	<1	<1.0	79	<6	16			

BAYOU PIERRE BASIN

07290650 BAYOU PIERRE NEAR WILLOWS, MS

LOCATION.--Lat 32°00'55", long 90°53'00", in lot 16, T.12 N., R.3 E., Washington Meridian, Claiborne County, Hydrologic Unit 08060203, near left bank at downstream side of bridge on county highway, 1.4 mi upstream from South Fork Bayou Pierre, and 1.7 mi southeast of Willows.

DRAINAGE AREA.--654 mi².

PERIOD OF RECORD.--Water years 1959-61 (annual maximums), June 1961 to current year.

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

GAGE.--Water-stage recorder. Datum of gage is 82.32 ft above National Geodetic Vertical Datum of 1929. Sept. 9, 1958, to May 31, 1961, crest-stage gage at same site and datum.

REMARKS.--Estimated daily discharges: Oct. 7 - 18, Oct. 23 - Nov. 7, Jan. 10 - 16, Jan. 25 - Feb. 5 - 8, Feb. 24 - Mar. 1, Apr. 23 - May 22, Aug. 2 - 20, Sept. 1 - 5, 8 - 11, 16 - 18, 23 - 25. Records fair except for estimated daily discharges, which are poor.

AVERAGE DISCHARGE.--29 years, 919 ft³/s, 19.08 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 88,000 ft³/s, Apr. 7, 1983, gage height, 29.36 ft, minimum 19 ft³/s, Oct. 6, 1969, minimum gage height, 2.17 ft, Nov. 4, 5, 6, 1971.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 4	1400	16,200	19.58	Feb. 15	1900	18,800	21.33
Jan. 20	1715	15,300	19.09	May 13	unknown	*46,600	a*26.90
Jan. 26	unknown	35,700	a25.95	May 31	1615	21,000	22.22

^aFrom high water mark

Minimum daily discharge, 52 ft/s, Aug. 30 - 31, Sept. 2, 4-5, 29-30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1270	113	199	1580	2000	933	401	666	9040	145	131	53
2	469	120	165	822	1330	9280	313	400	2730	136	133	52
3	251	113	150	659	2000	3670	267	266	1550	236	141	53
4	194	120	142	9500	4000	1470	244	260	2870	235	248	52
5	181	113	137	5150	2660	1200	235	266	1050	185	223	52
6	179	126	135	6350	2000	966	228	260	682	151	213	61
7	150	200	2850	5940	1660	651	221	253	549	131	193	78
8	140	698	5900	5890	1300	579	208	260	495	123	180	67
9	133	447	3840	3170	7600	528	201	666	446	118	140	60
10	133	287	1840	1730	8650	490	256	6660	402	118	133	59
11	126	213	703	933	3770	456	479	800	362	117	113	53
12	120	164	492	666	1740	433	404	13300	387	116	113	151
13	113	148	412	600	1010	419	281	40000	322	116	120	129
14	120	147	351	466	824	399	455	26600	261	116	126	116
15	120	235	302	400	11400	419	864	6660	252	116	133	134
16	121	688	275	400	14400	490	429	2000	248	116	113	100
17	120	289	255	402	7440	583	298	2300	241	116	107	80
18	421	204	249	4570	3610	461	242	1530	245	116	100	67
19	883	164	330	7900	2390	382	216	1130	287	116	100	65
20	276	149	589	11000	1800	334	205	1000	219	116	133	322
21	170	142	425	9170	1300	308	197	1130	194	117	126	195
22	144	169	310	3670	5740	296	191	1330	182	117	75	91
23	133	430	352	1900	3380	285	180	983	1510	117	76	80
24	120	318	358	7770	1300	279	400	610	906	117	76	67
25	113	244	280	18600	933	267	266	478	635	163	64	60
26	106	187	231	30000	866	256	200	409	283	111	59	57
27	113	167	224	20000	733	247	666	386	215	89	56	56
28	120	220	222	6660	616	241	2000	782	187	82	55	54
29	113	219	999	13300	---	256	5330	770	173	80	53	52
30	106	300	3770	6660	---	354	2000	487	160	80	52	52
31	106	---	2770	2130	---	512	---	8090	---	85	52	---
TOTAL	6864	7134	29257	187988	96452	27444	17877	120732	27083	3897	3637	2568
MEAN	221	238	944	6064	3445	885	596	3895	903	126	117	85.6
MAX	1270	698	5900	30000	14400	9280	5330	40000	9040	236	248	322
MIN	106	113	135	400	616	241	180	253	160	80	52	52
CFSM	.34	.36	1.44	9.27	5.27	1.35	.91	5.96	1.38	.19	.18	.13
IN.	.39	.41	1.66	10.69	5.49	1.56	1.02	6.87	1.54	.22	.21	.15
CAL YR 1989	TOTAL	332809	MEAN	912	MAX	22900	MIN	65	CFSM	1.39	IN	18.93
WTR YR 1990	TOTAL	530933	MEAN	1455	MAX	40000	MIN	52	CFSM	2.23	IN	30.20

07291000 HOMOCHITTO RIVER AT EDDICETON, MS

LOCATION.--Lat 31°30'10", long 90°46'35", in SEM4NE4 sec.11, T.6 N., R.4 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, on left bank at upstream side of Illinois Central and Gulf Railroad bridge, 900 ft downstream from bridge on U.S. Highway 84, 0.4 mi upstream from McCall Creek, and 0.8 mi east of Eddiceton.

DRAINAGE AREA.--181 mi².

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

REVISED RECORDS.--WSP 1281: 1939-40, 1942-44, 1949-50. WDR MS-89-1: Drainage area.

GAGE.--Two water-stage recorders. Datum of gage is 212.22 ft above National Geodetic Vertical Datum of 1929. Prior to May 18, 1984, at datum 5.0 ft lower. Prior to May 26, 1942, nonrecording gage at site 900 ft upstream at present datum.

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

AVERAGE DISCHARGE.--52 years, 268 ft³/s, 20.08 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,400 ft³/s, Apr. 13, 1974, gage height, 19.53 ft, minimum, 26 ft³/s, Sept. 10, 1952 (temporary regulation), minimum unregulated, 28 ft³/s, Sept. 2, 4, 1954, Sept. 29, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 9,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 7	1830	9,440	12.94	May 13	0500	*33,600	*21.06
Jan. 25	0345	21,800	17.99				

Minimum discharge, 45 ft³/s, Aug. 18.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	134	50	81	456	335	353	154	114	824	63	59	47
2	89	48	79	269	305	1980	143	88	325	65	71	47
3	77	48	76	223	420	659	127	88	219	113	68	49
4	70	49	75	2240	781	397	116	89	190	78	58	47
5	66	49	76	1290	405	307	112	83	161	74	55	48
6	64	49	76	1750	306	268	109	78	142	67	53	54
7	62	74	3770	2200	274	252	109	77	128	62	51	50
8	61	81	1740	1300	263	243	106	77	119	64	50	50
9	60	130	377	689	1790	227	103	2870	111	110	49	55
10	58	71	225	504	1650	208	177	579	108	150	48	63
11	58	60	173	411	738	194	324	198	118	98	47	64
12	55	55	143	359	527	188	145	2880	104	128	48	78
13	55	59	122	314	436	182	120	19200	94	93	48	74
14	56	78	110	312	392	176	123	1110	91	78	49	76
15	56	119	105	309	5210	230	153	728	91	78	53	106
16	55	96	93	296	3410	253	125	457	85	72	48	72
17	57	71	90	292	1110	222	114	529	346	76	47	62
18	59	67	109	2120	828	187	103	348	159	71	46	59
19	60	65	164	1700	872	174	98	258	108	65	47	59
20	56	65	126	1580	687	158	98	234	89	62	63	66
21	56	64	104	1860	638	145	98	256	82	133	55	62
22	55	83	95	710	2220	138	126	306	77	78	50	60
23	54	128	133	489	787	127	218	205	120	66	80	57
24	54	87	121	6020	533	121	385	172	113	124	106	53
25	54	76	93	10400	405	116	122	155	78	78	61	52
26	53	72	95	1160	339	112	102	145	81	66	55	53
27	51	71	97	747	321	110	541	372	103	60	52	53
28	50	185	94	556	307	113	1310	796	73	59	51	52
29	50	108	2410	1630	---	136	282	252	68	64	50	53
30	49	86	976	723	---	338	156	172	65	63	51	52
31	51	---	1080	422	---	226	---	468	---	71	49	---
TOTAL	1885	2344	13108	43331	26289	8540	5999	33384	4472	2529	1718	1773
MEAN	60.8	78.1	423	1398	939	275	200	1077	149	81.6	55.4	59.1
MAX	134	185	3770	10400	5210	1980	1310	19200	824	150	106	106
MIN	49	48	75	223	263	110	98	77	65	59	46	47
CFSM	.34	.43	2.34	7.72	5.19	1.52	1.11	5.95	.82	.45	.31	.33
IN.	.39	.48	2.69	8.91	5.40	1.76	1.23	6.86	.92	.52	.35	.36

CAL YR 1989	TOTAL	130713	MEAN 358	MAX 10800	MIN 11	CFSM 1.98	IN 26.86
WTR YR 1990	TOTAL	145372	MEAN 398	MAX 19200	MIN 46	CFSM 2.20	IN 29.88

HOMOCHITTO RIVER BASIN

07292500 HOMOCHITTO RIVER AT ROSETTA, MS
(National stream-quality accounting network station)

LOCATION.--Lat 31°19'30", long 91°06'24", in sec.12, T.4 N., R.1 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, near right bank, near downstream side of pier cap, under bridge, on State Highway 33 at Rosetta, 0.8 mi downstream from Foster Creek, and 4.0 mi upstream from Dry Creek.

DRAINAGE AREA.--787 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--June to November 1906 (gage heights and discharge measurements only), October 1951 to current year. 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 National Geodetic Vertical Datum 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: Feb.1-13. Records fair except for estimated daily discharges, which are poor. Telemeter at station.

AVERAGE DISCHARGE.--39 years, 1,138 ft³/s, 19.64 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 150,000 ft³/s, Apr. 13, 1974, from rating curve extended above 47,000 ft³/s, maximum gage height, 36.03 ft, May 4, 1953, minimum discharge, 129 ft³/s, Sept. 22-25, 28-30, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since February 1949, 37.80 ft, Mar. 31, 1949, from reports of U. S. Army Corps of Engineers, Vicksburg district.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 16,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 7	2330	38,600	17.61	Feb. 15	2400	26,000	15.70
Jan. 25	0430	*113,000	*22.77	May 13	1030	46,700	18.44

Minimum daily discharge, 204 ft³/s, Nov 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1270	224	433	2640	1300	1270	805	692	3790	394	447	235
2	606	222	411	1730	1200	5020	631	593	2140	395	427	236
3	408	215	409	1420	1300	2570	626	530	1220	473	439	269
4	334	204	423	6710	2800	2050	529	490	948	590	401	274
5	295	207	456	5180	2300	1720	476	451	830	428	368	281
6	274	218	479	9070	1700	1490	443	411	710	389	348	290
7	261	321	12300	8200	1500	1340	437	393	585	372	333	278
8	250	1880	13400	5880	2600	1230	407	373	488	484	327	257
9	234	924	2740	2970	2800	1160	393	4480	458	1160	317	322
10	224	655	1720	2310	3000	1090	493	2570	545	748	319	558
11	219	423	1230	1940	1500	1020	1610	1220	1370	668	312	378
12	216	357	1040	1730	1460	958	890	902	745	755	306	353
13	214	362	824	1450	1300	938	504	33200	560	604	306	366
14	209	536	632	1320	1570	873	465	3970	511	440	318	459
15	211	839	528	1280	12200	888	722	2170	512	398	317	509
16	217	941	434	1230	17800	1090	693	1320	486	394	326	451
17	264	544	384	1220	4520	1080	566	1230	614	398	332	331
18	1450	390	403	2890	2720	905	508	1310	906	400	316	304
19	557	342	793	6760	2920	761	478	562	580	373	304	296
20	347	321	775	4380	2120	658	477	349	473	442	422	391
21	300	323	534	7980	1650	603	468	504	417	973	1120	332
22	284	382	412	3010	6380	587	459	1250	384	750	548	304
23	277	841	257	2310	2850	562	735	771	458	442	356	304
24	269	663	349	25700	2110	514	1200	449	808	441	374	293
25	258	476	393	58200	1760	492	743	347	546	489	380	279
26	247	438	355	6610	1540	460	474	300	479	420	326	281
27	239	424	361	3090	1420	442	666	607	658	380	304	276
28	233	526	369	2540	1310	443	3000	3160	509	378	284	269
29	226	926	5650	7020	---	538	1660	1340	439	610	279	263
30	224	524	4460	3210	---	1120	884	751	409	411	265	263
31	224	---	3670	2390	---	1320	---	1480	---	422	246	---
TOTAL	10841	15648	56624	192370	87630	35192	22442	68175	23578	16021	11467	9702
MEAN	350	522	1827	6205	3130	1135	748	2199	786	517	370	323
MAX	1450	1880	13400	58200	17800	5020	3000	33200	3790	1160	1120	558
MIN	209	204	257	1220	1200	442	393	300	384	372	246	235
CFSM	.45	.66	2.32	7.88	3.98	1.44	.95	2.79	1.00	.66	.47	.41
IN.	.51	.74	2.68	9.09	4.14	1.66	1.06	3.22	1.11	.76	.54	.46
CAL YR 1989	TOTAL	557221	MEAN	1527	MAX	38400	MIN	204	CFSM	1.94	IN	26.34
WTR YR 1990	TOTAL	549690	MEAN	1506	MAX	58200	MIN	204	CFSM	1.91	IN	25.98

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1958-59, 1967-68, 1970-71, 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1975 to September 1981.

WATER TEMPERATURE: January 1975 to September 1981.

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	TUR-BID-ITY (NTU) (00076)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED SATUR-ATION (00301)	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	STREP-TOCOC- CI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV 15...	0930	608	65	6.4	21.5	40	8.6	99	K1600	1700	11	2.7
JAN 09...	1200	2990	32	6.6	11.0	2.5	10.2	92	530	560	8	1.8
MAY 15...	1100	2250	30	6.1	25.0	99	7.4	90	830	1600	7	1.9
SEP 05...	0930	281	--	6.8	26.5	20	7.1	--	K20	350	13	3.1
DATE		MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00932)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	BICAR-BONATE WATER DIS IT FIELD (MG/L AS HCO3) (00453)	ALKA-LINITY WAT DIS TOT IT (MG/L AS CACO3) (39086)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	
NOV 15...		1.1	5.9	48	0.8	1.9	13	11	3.0	8.9	<0.10	13
JAN 09...		0.83	3.2	42	0.5	1.2	5	4	5.0	1.7	<0.10	10
MAY 15...		0.59	3.4	45	0.6	1.4	5	4	3.0	4.2	<0.10	11
SEP 05...		1.2	8.0	54	1	1.9	15	12	2.1	14	<0.10	14
DATE		SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	SOLIDS, DIS-SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS-SOLVED (TONS PER DAY) (70302)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	NITRO-GEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITRO-GEN, AM-MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS-PHORUS TOTAL (MG/L AS P) (00665)	PHOS-PHORUS DIS-SOLVED (MG/L AS P) (00666)	PHOS-PHORUS ORTHO, DIS-SOLVED (MG/L AS P) (00671)	ALUM-INUM, DIS-SOLVED (MG/L AS AL) (01106)
NOV 15...		--	43	0.06	70.8	<0.100	<0.010	0.30	0.030	<0.010	<0.010	30
JAN 09...		--	26	0.04	214	<0.100	0.040	0.30	0.040	<0.010	0.010	50
MAY 15...		34	29	0.05	207	0.100	0.120	0.40	0.050	0.020	0.020	100
SEP 05...		45	52	0.06	34.1	<0.100	0.040	0.40	<0.010	<0.010	<0.010	20
DATE		ARSENIC DIS-SOLVED (UG/L AS AS) (01000)	BARIUM, DIS-SOLVED (UG/L AS BA) (01005)	BERYL-LIUM, DIS-SOLVED (UG/L AS BE) (01010)	CADMIUM DIS-SOLVED (UG/L AS CD) (01025)	CHRO-MIUM, DIS-SOLVED (UG/L AS CR) (01030)	COBALT, DIS-SOLVED (UG/L AS CO) (01035)	COPPER, DIS-SOLVED (UG/L AS CU) (01040)	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)
NOV 15...		<1	24	<0.5	1.0	<1	<3	4	97	1	<4	38
JAN 09...		<1	26	<0.5	<1.0	<1	<3	<10	62	<10	<4	39
MAY 15...		1	26	<0.5	<1.0	<1	<3	4	140	2	<4	85
SEP 05...		1	28	<0.5	3.0	<1	<3	2	22	1	<4	44
DATE		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)	VANA-DIUM, DIS-SOLVED (UG/L AS V) (01085)	ZINC, DIS-SOLVED (UG/L AS ZN) (01090)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. # FINER THAN .062 MM (70331)
NOV 15...		<0.1	<10	<1	<1	<1.0	27	<6	11	61	100	100
JAN 09...		<0.1	<10	<10	<1	3.0	19	<6	4	230	1860	98
MAY 15...		0.1	<10	2	<1	<1.0	15	<6	4	527	3200	77
SEP 05...		<0.1	<10	2	<1	<1.0	37	<6	4	70	53	74

BUFFALO RIVER BASIN

07295000 BUFFALO RIVER NEAR WOODVILLE, MS

LOCATION.--Lat 31°13'35", long 91°17'45", in SW¼ sec.21, T.3 N., R.2 W., Washington Meridian, Wilkinson County, Hydrologic Unit 08060206, near center of span on downstream side of bridge on U.S. Highway 61, 1.5 mi downstream from Fords Creek, 2.8 mi west of Wilkinson, and 8.5 mi north of Woodville.

DRAINAGE AREA.--180 mi².

PERIOD OF RECORD.--March 1942 to current year. Prior to October 1950, published as Buffalo Bayou near Woodville.

REVISED RECORDS.--WSP 1281: 1943, 1946(M). WDR MS-89-1: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 94.52 ft above National Geodetic Vertical Datum of 1929. Prior to June 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1964, at datum 3.00 ft higher.

REMARKS.--No estimated daily discharges. Records fair. Telemeter at station.

AVERAGE DISCHARGE.--48 years, 283 ft³/s, 21.35 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65,000 ft³/s, Mar. 25, 1973, gage height, 22.3 ft from flood-mark, from rating curve extended above 35,000 ft³/s, minimum, 16 ft³/s, Aug. 14, 18, and 19, 1954, Sept. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 11,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Dec. 07	1945	24,700	16.44	Feb. 15	1815	14,000	13.85
Jan. 25	0545	*55,700	*21.27	May 31	2330	12,800	13.50

Minimum daily discharge, 34 ft³/s, Sept. 4, 5.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	68	105	386	288	187	213	219	1800	56	56	36
2	64	69	102	216	249	1070	195	201	654	55	162	35
3	61	70	99	167	1760	315	185	190	297	58	229	35
4	51	71	98	1960	1600	219	171	183	313	67	75	34
5	50	72	100	2540	382	194	169	177	182	60	69	34
6	50	73	103	2110	273	187	171	171	145	55	64	60
7	51	98	7710	2620	231	176	175	168	125	52	60	41
8	51	154	1880	961	233	175	174	166	115	347	57	40
9	51	96	421	435	854	177	172	356	106	809	54	45
10	51	85	244	304	2530	179	223	327	325	120	52	140
11	52	82	189	243	495	170	526	258	390	89	50	81
12	52	82	166	203	290	165	249	228	122	129	48	186
13	54	83	134	169	226	174	225	224	96	210	46	678
14	55	109	118	158	194	171	213	215	88	88	45	462
15	57	180	108	151	4860	213	220	200	85	75	55	317
16	57	286	97	143	3560	254	212	188	78	73	56	78
17	59	159	91	149	931	262	203	214	73	74	53	58
18	59	129	106	937	568	206	195	256	69	74	51	53
19	58	126	137	1280	871	193	189	218	66	72	49	48
20	58	124	109	1020	417	172	186	197	63	69	47	51
21	58	123	91	1700	337	173	185	198	60	67	45	43
22	60	122	82	509	1460	175	182	295	58	65	43	44
23	60	166	81	373	426	173	181	220	139	62	47	45
24	60	123	81	25200	281	171	285	196	84	63	136	43
25	58	106	80	24400	230	170	239	182	62	62	46	45
26	58	101	79	1540	204	166	206	174	62	60	44	46
27	58	100	75	785	187	166	209	1270	58	57	43	45
28	60	113	71	519	176	165	497	2240	59	55	41	44
29	64	125	2180	2280	---	168	332	639	55	53	39	44
30	66	110	1240	636	---	338	251	351	65	50	37	43
31	67	---	1280	368	---	285	---	3190	---	48	36	---
TOTAL	1775	3405	17457	74462	24113	7009	6833	13311	5894	3274	1935	2954
MEAN	57.3	114	563	2402	861	226	228	429	196	106	62.4	98.5
MAX	67	286	7710	25200	4860	1070	526	3190	1800	809	229	678
MIN	50	68	71	143	176	165	169	166	55	48	36	34
CFSM	.32	.63	3.13	13.3	4.78	1.26	1.27	2.38	1.09	.59	.35	.55
IN.	.37	.70	3.61	15.39	4.98	1.45	1.41	2.75	1.22	.68	.40	.61

CAL YR 1989	TOTAL	148508	MEAN	407	MAX	14700	MIN	33	CFSM	2.26	IN	30.69
WTR YR 1990	TOTAL	162422	MEAN	445	MAX	25200	MIN	34	CFSM	2.47	IN	33.57

07377000 AMITE RIVER NEAR DARLINGTON, LA

LOCATION.--Lat 30°53'20", long 90°50'40", in sec.72, T.2 S., R.4 E., St. Helena meridian, St. Helena Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on State Highway 10, 1.5 mi upstream from Collins Creek, and 4.0 mi west of Darlington.

DRAINAGE AREA.--580 mi².

PERIOD OF RECORD.--March 1949 to September 1950 (annual maximum), October 1950 to current year.

GAGE.--Water-stage recorder and data-collection platform. Datum of gage is 145.81 ft above National Geodetic Vertical Datum 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.

AVERAGE DISCHARGE.--40 years, 948 ft³/s, 22.20 in/yr.

REMARKS.--Estimated daily discharges. Records good. Several measurements of water temperature were made during the year.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 104,000 ft³/s, Jan. 25, 1990, gage height, 22.05 ft; minimum, 188 ft³/s, Oct. 18, 1956.

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

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Dec. 8	1200	8,070	11.64	Jan. 25	1630	*104,000	*22.05
Jan. 8	0830	8,360	11.81	Feb. 17	0130	30,800	17.93

Minimum discharge, 281 ft³/s, Sept. 8, 9; minimum gage height, 2.58 ft, Nov. 4.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1630	290	430	6760	1750	1360	e1150	712	5830	413	367	295
2	1080	303	415	4030	1410	6310	e890	643	5970	408	397	294
3	619	295	397	1650	1510	6700	858	608	2880	406	408	308
4	488	288	382	1960	3810	4560	754	596	1390	407	403	302
5	423	289	375	3940	3280	2250	695	584	1040	410	356	297
6	388	291	376	6170	2150	1810	670	571	845	412	345	293
7	369	365	1450	7170	1610	1690	657	560	742	398	382	286
8	351	520	7320	8100	1360	1600	641	560	688	397	434	284
9	335	516	5380	5720	1630	e1450	629	1050	680	522	343	284
10	324	565	3270	2540	5230	e1420	641	1270	648	531	327	338
11	321	432	1320	1420	7360	e1270	750	900	1030	533	320	326
12	317	363	1770	1090	4450	e1180	806	694	868	524	319	430
13	315	339	1490	888	1870	e1170	720	759	680	539	316	400
14	315	357	1040	769	1390	e1180	682	774	651	433	316	364
15	314	457	805	705	4310	e1380	702	1240	675	397	312	432
16	318	729	689	661	17800	e1490	705	796	623	383	312	404
17	528	694	612	637	23300	e1370	667	671	585	405	309	337
18	397	504	574	1070	9900	e1200	635	648	559	403	306	317
19	484	425	592	4970	4880	e1140	613	639	542	388	308	307
20	455	391	624	4330	3390	e1100	602	601	542	391	305	302
21	355	376	608	4360	2300	e1030	598	593	523	391	321	303
22	332	433	567	3880	5690	e950	598	806	512	521	340	316
23	323	772	498	2040	6360	e910	593	1220	836	397	350	358
24	317	681	452	5970	4230	e880	602	847	1150	390	356	305
25	310	606	435	66400	1990	e850	674	665	667	380	336	290
26	305	510	434	42700	1540	e820	599	608	513	366	320	291
27	301	472	437	12600	1380	e790	630	590	532	353	313	289
28	298	557	431	3650	1330	e780	1200	2190	543	345	306	289
29	295	526	705	3240	---	e930	1320	2610	459	345	301	288
30	293	460	3380	4150	---	e2700	932	1140	429	351	298	285
31	291	---	5240	2680	---	e2050	---	1080	---	344	298	---
TOTAL	13191	13806	42498	216250	127210	54320	22213	27225	33632	12883	10424	9614
MEAN	426	460	1371	6976	4543	1752	740	878	1121	416	336	320
MAX	1630	772	7320	66400	23300	6700	1320	2610	5970	539	434	432
MIN	291	288	375	637	1330	780	593	560	429	344	298	284
CFSM	.73	.79	2.36	12.0	7.83	3.02	1.28	1.51	1.93	.72	.58	.55
IN.	.85	.89	2.73	13.87	8.16	3.48	1.42	1.75	2.16	.83	.67	.62
CAL YR 1989	TOTAL 397374		MEAN 1089		MAX 14500		MIN 288		CFSM 1.88		IN. 25.49	
WTR YR 1990	TOTAL 583266		MEAN 1598		MAX 66400		MIN 284		CFSM 2.76		IN. 37.41	

e Estimated.

As the number of streams on which streamflow information is likely to be desired far exceeds the number of stream-gaging stations feasible to operate at one time, the Geological Survey collects limited streamflow data at sites other than stream-gaging stations. When limited streamflow data are collected on a systematic basis over a period of years for use in hydrologic analyses, the site at which the data are collected is called a partial-record station. Data collected at these partial-record stations are usable in low-flow or floodflow analyses, depending on the type of data collected. In addition, discharge measurements are made at other sites not included in the partial-record program. These measurements are generally made in times of drought or flood to give better areal coverage to those events. Those measurements and others collected for some special reason are called measurements at miscellaneous sites.

Records collected at flood hydrograph partial-record stations are presented in the following tables. Annual maximum discharges for crest-stage partial-record stations, discharge measurements made at low-flow partial-record sites and at miscellaneous sites and for special studies are given in separate tables.

The data given in the following tables generally comprise a description of the station and a table showing time, gage height, and discharge at selected times for major peaks that occurred during the year.

The description of the station gives the location, drainage area, period of record, type and history of gages, extremes of discharge, and general remarks. The explanation of data presented is identical to that for gaging stations.

Flood hydrograph partial-record stations

MOBILE RIVER BASIN

02433000 BULL MOUNTAIN CREEK NEAR SMITHVILLE, MS

LOCATION.--Lat 34°05'18", long 88°23'26", in SW4SE4 sec.30, T.11 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, on right bank at downstream side of old crossing 200 ft upstream from bridge on State Highway 25, 0.5 mi upstream from Mississippian Railway bridge, 1.1 mi north of Smithville, 0.75 mi upstream from the Tennessee-Tombigbee Waterway, and 2.75 miles above Lock "B" near Smithville.

DRAINAGE AREA.--336 mi².

PERIOD OF RECORD.--October 1940 to September 1984, October 1984 to September 1987 (high water records only).
October 1987-Current Year (flood hydrograph only).

REVISED RECORDS.--WSP 1504: 1948. WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 234.81 ft above National Geodetic Vertical Datum of 1929 (levels by U. S. Army Corps of Engineers). Prior to Oct. 15, 1948, nonrecording gage at same site and datum.

REMARKS.--Discharges below 3,000 ft³/s not determined. No discharges above 3,000 ft³/s in 1990 water year.

AVERAGE DISCHARGE.--44 years (water years 1941-84), 574 ft³/s, 23.21 in/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,400 ft³/s Mar. 16, 1973, gage height, 18.26 ft, minimum, 19 ft³/s, Aug. 28 to Sept. 3, 1943 (period of doubtful gage-height record), and Sept. 10, 13, 14, 15, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1926 reached a stage of 15.7 ft, from floodmark, discharge about 29,000 ft³/s, from information by Corps of Engineers.

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

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Oct. 11	2400	<3,000	*10.19				

Flood hydrograph partial-record stations

MOBILE RIVER BASIN

02437000 TOMBIGBEE RIVER NEAR AMORY, MS

LOCATION.--Lat 33°59'07", long 88°33'03", in NW¼NE¼ sec.3, T.13 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, near right bank on downstream side of bridge on U.S. Highway 278, 0.3 mi downstream from Town Creek, 3.5 mi west of Amory, and at mile 378.9.

DRAINAGE AREA.--1,928 mi², prior to construction of Tennessee-Tombigbee Waterway.

PERIOD OF RECORD.--October 1937 to September 1985. October 1985 to September 1987 (high-water records only). 1988-Current year (flood hydrograph only). Monthly discharge only for October and November 1937, published in WSP 1304. Daily discharge greater than 1000 ft³/s published October 1985 to September 1987. 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 National Geodetic Vertical Datum 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.--No estimated discharges. Records good. Some regulation by Tennessee-Tombigbee Waterway. National Weather Service telemeter at station.

AVERAGE DISCHARGE.--47 years, (water year 1937-84) 3,156 ft³/s, 22.22 in/yr, prior to construction of Tennessee-Tombigbee Waterway.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162,000 ft³/s, Mar. 17, 1973, gage height, 34.65 ft, minimum, 45 ft³/s, Sept. 20, 1954, minimum gage height, 0.77 ft, Sept. 1, 1943.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1892 reached a stage of 33.5 ft and the flood of December 1926 reached a stage of 31.5 ft, from U. S. Army Corps of Engineers profiles.

EXTREMES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 20,000 ft³/s and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 21	0445	24,500	23.08	Feb. 10	2345	*31,500	25.29
Feb. 02	2315	22,200	22.31	Feb. 13	0015	22,800	22.49
Feb. 06	0530	31,300	25.22	Mar. 03	0100	27,500	24.05

Minimum daily discharge, not determined.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1990 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-20	0930	14.32	5,190	02-02	0745	14.19	5,010	03-01	1800	14.30	5,170
01-20	1200	17.82	1,120	02-02	1200	19.04	13,800	03-01	2400	15.60	7,130
01-20	2400	22.58	22,900	02-02	2315	22.36	22,200	03-02	1200	20.16	16,400
01-21	0445	23.13	24,500	02-03	1200	20.33	16,800	03-02	2400	23.97	27,100
01-21	2400	18.84	13,400	02-03	1530	19.90	15,800	03-03	0100	24.10	27,500
01-22	1200	16.71	9,050	02-03	2400	22.36	22,200	03-03	1200	22.73	23,300
01-22	2130	16.24	8,210	02-04	1200	25.15	30,900	03-03	2400	19.33	14,500
01-22	2400	16.33	8,370	02-04	1515	25.26	31,300	03-04	1200	17.86	11,300
01-23	1200	16.47	8,610	02-04	2400	25.01	30,400	03-04	2330	18.00	11,600
01-23	2400	16.77	9,160	02-05	1200	24.80	29,700	03-05	1200	17.90	11,400
01-24	1200	16.60	8,850	02-05	2400	25.12	30,800	03-05	2400	17.14	9,850
01-24	1330	16.60	8,850	02-06	0530	25.27	31,300	03-06	1200	16.34	8,330
01-25	0030	17.88	11,200	02-06	1200	25.11	30,800	03-06	2400	15.41	6,820
01-25	1200	16.85	9,310	02-06	2400	23.90	26,800	03-07	1200	14.67	5,690
01-25	2400	15.40	6,810	02-07	1200	21.97	21,200	03-07	1500	14.37	5,260
01-26	1200	14.35	5,240	02-07	2400	19.75	15,400				
				02-08	1200	17.82	11,200				
				02-08	2400	16.40	8,490				
				02-09	1500	15.60	7,130				
				02-09	2400	18.92	13,500				
				02-10	1200	24.20	27,800				
				02-10	2345	25.34	31,100				
				02-11	1200	24.60	29,100				
				02-11	2400	23.76	26,400				
				02-12	1200	23.37	25,200				
				02-12	2400	22.50	22,600				
				02-13	1200	20.74	17,900				
				02-13	2400	18.85	13,400				
				02-14	1200	17.26	10,100				
				02-14	2400	16.20	8,140				
				02-15	0400	15.71	7,310				

MOBILE RIVER BASIN

LOCATION.--Lat 33°32'17", long 88°38'00", in SW4 sec.4, T.19 N., R.16 E., Choctaw Meridian, Clay County, Hydrologic Unit 03160104, on right bank 10 ft downstream from bridge on old State Highway 25, 560 ft upstream from Illinois Central and Gulf Railroad bridge, 0.7 mi north of Tibbee, 4.5 mi upstream from Magee Creek, 5.0 mi south of West Point, 9.8 mi upstream from Catalpa Creek, and 17.7 mi upstream from mouth.

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. Daily discharge greater than 500 ft³/s published February 1981 to September 1987. Prior to October 1950, published as Tibbee River near Tibbee.

GAGE.--Water-stage recorder. Datum of gage is 154.07 ft above National Geodetic Vertical Datum 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.

AVERAGE DISCHARGE.--43 years (water years 1929-30, 1940-80), 1,343 ft³/s, 19.70 in/yr.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1926 reached a stage of 31.5 ft, from information by local residents.

Date	Time	Discharge (ft ³ /s)	Gage Height (ft)	Date	Time	Discharge (ft ³ /s)	Gage Height (ft)
Jan. 22	1030	13,200	23.73	Mar. 04	0330	*16,900	*24.62
Feb. 05	1030	14,600	24.08				

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
01-17	2315	9.51	714	02-02	1000	10.63	1,240	03-01	2100	9.54	730
01-18	1200	12.80	2,110	02-02	2400	13.12	2,250	03-01	2400	9.99	955
01-18	2400	13.79	2,560	02-03	1200	16.20	3,840	03-02	1200	15.52	3,450
01-19	1200	15.23	3,290	02-03	2400	20.28	6,690	03-02	2400	19.25	5,880
01-19	2400	16.24	3,860	02-04	1200	22.40	9,160	03-03	1200	22.94	10,400
01-20	0500	16.41	3,960	02-04	2400	23.64	12,800	03-03	2400	24.53	16,500
01-20	1200	17.61	4,720	02-05	1030	24.08	14,600	03-04	0330	24.62	16,900
01-20	2400	19.84	6,340	02-05	2400	23.77	13,300	03-04	1200	24.58	16,100
01-21	1200	21.94	8,230	02-06	1200	23.22	11,300	03-04	2400	23.80	13,500
01-21	2400	23.31	11,600	02-06	2400	22.38	9,110	03-05	1200	22.98	10,500
01-22	1030	23.73	13,200	02-07	1200	21.59	7,150	03-05	2400	21.42	7,630
01-22	2400	23.39	11,900	02-07	2400	18.62	5,420	03-06	1200	18.80	5,550
01-23	1200	22.81	10,100	02-08	1200	15.69	3,540	03-06	2400	15.24	3,300
01-23	2400	21.83	8,090	02-08	2400	12.56	2,000	03-07	1200	11.30	1,510
01-24	1200	20.20	6,630	02-09	1200	10.68	1,270	03-07	2400	10.08	995
01-24	2400	18.52	5,350					03-08	1000	9.86	896
01-25	1200	17.00	4,330								
01-25	2400	16.28	3,890								
01-26	1200	16.20	3,840								
01-26	2400	15.98	3,710								
01-27	1200	15.06	3,200								
01-27	2400	13.13	2,250								
01-28	1200	10.80	1,320								
01-28	2400	10.08	995								

Flood hydrograph partial-record stations

PEARL RIVER BASIN

02485800 EUBANKS CREEK AT JACKSON, MS

LOCATION.--Lat 32°21'00", long 90°09'50", in NW4NE4 sec.26, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, near left bank at downstream side of Wood Dale Drive bridge in Jackson, 1,600 ft upstream from Interstate 55 and 1.3 mi upstream from the mouth.

DRAINAGE AREA.--3.91 mi².

PERIOD OF RECORD.--August 1953 to current year (annual peaks only prior 1988 water year).

GAGE.--Water-stage recorder. Datum of gage is 262.02 ft above National Geodetic Vertical Datum 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 are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,200 ft³/s, Apr. 29, 1953, gage height, 12.20 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,060 ft³/s, Nov. 7, gage height 11.23 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1990 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
11-07	1630	4.08	21	11-08	0300	7.27	698	05-12	1630	5.54	244
11-07	1645	4.67	83	11-08	0315	6.68	527	05-12	1700	5.75	291
11-07	1700	6.34	436	11-08	0330	6.22	405	05-12	1730	5.52	239
11-07	1745	8.86	1,210	11-08	0345	5.88	321	05-12	1800	5.70	279
11-07	1730	10.24	1,690	11-08	0400	5.55	246	05-12	1830	5.20	174
11-07	1745	11.23	2,060	11-08	0415	5.24	181	05-12	1900	4.74	93
11-07	1800	11.11	2,010	11-08	0430	5.00	136	05-12	1915	4.54	66
11-07	1815	10.71	1,860	11-08	0445	4.80	102	05-12	1930	4.36	45
11-07	1830	9.84	1,540	11-08	0500	4.63	78	05-12	1945	4.21	31
11-07	1845	9.18	1,310	11-08	0515	4.48	59	05-12	2000	4.10	22
11-07	1900	8.67	1,140	11-08	0530	4.36	45	05-12	2015	4.02	17
11-07	1915	8.38	1,050	11-08	0545	4.23	33	05-12	2030	4.47	57
11-07	1930	8.26	1,010	11-08	0600	4.12	24	05-12	2045	6.27	417
11-07	1945	8.03	939	11-08	0615	4.05	19	05-12	2100	7.87	887
11-07	2000	7.93	907					05-12	2115	8.03	939
11-07	2015	8.69	1,150	02-03	1615	7.83	874	05-12	2130	7.85	881
11-07	2030	9.05	1,270	02-03	1630	9.22	1,330	05-12	2145	7.57	791
11-07	2045	8.83	1,200	02-03	1645	9.28	1,350	05-12	2200	7.20	677
11-07	1107	8.26	1,010	02-03	1700	8.73	1,160	05-12	2215	6.76	549
11-07	2100	8.26	1,010	02-03	1715	8.43	1,070	05-12	2230	6.29	423
11-07	2115	7.73	842	02-03	1730	8.08	955	05-12	2245	5.87	319
11-07	2130	7.08	642	02-03	1745	7.53	778	05-12	2300	5.47	229
11-07	2145	6.51	481	02-03	1800	6.92	595	05-12	2315	5.13	160
11-07	2200	6.02	355	02-03	1815	6.36	441	05-12	2330	4.85	110
11-07	2215	5.57	250	02-03	1830	6.06	365	05-12	2345	4.62	76
11-07	2230	5.19	172	02-03	1845	5.83	309	05-12	2400	4.45	55
11-07	2245	4.91	120	02-03	1900	5.63	264				
11-07	2300	4.69	86	02-03	1915	5.39	212	07-12	2245	4.25	35
11-07	2315	4.52	63	02-03	1930	5.20	174	07-12	2300	6.80	561
11-07	2330	4.40	50	02-03	1945	5.04	143	07-12	2315	8.60	1,120
11-07	2345	4.29	38	02-03	2000	4.89	117	07-12	2330	8.57	1,110
11-07	2400	4.17	28	02-03	2015	4.75	96	07-12	2345	7.97	920
				02-03	2030	4.62	76	07-12	2400	7.56	788
11-08	0015	4.09	21	02-03	2045	4.51	62				
11-08	0030	4.51	62	02-03	2100	4.41	51	07-13	0015	7.09	644
11-08	0045	5.03	141	02-03	2115	4.31	40	07-13	0030	6.51	481
11-08	0100	4.99	134	02-03	2130	4.23	33	07-13	0045	5.92	331
11-08	0115	5.43	220	02-03	2145	4.16	27	07-13	0100	5.38	210
11-08	0130	7.22	683	02-03	2200	4.10	22	07-13	0115	4.93	124
11-08	0145	8.70	1,150	02-03	2215	4.04	18	07-13	0130	4.59	72
11-08	0200	8.76	1,170					07-13	0145	4.35	44
11-08	0215	8.50	1,090	05-12	1530	4.50	61	07-13	0200	4.17	28
11-08	0230	8.20	993	05-12	1545	5.16	166	07-13	0215	4.05	19
11-08	0245	7.80	864	05-12	1600	5.14	162				

Flood hydrograph partial-record stations

PEARL RIVER BASIN

02485950 TOWN CREEK AT JACKSON, MS

LOCATION.--Lat 32°18'14", long 90°11'32", in NW4SW4 sec.3, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at bridge on Gallatin street in Jackson, 300 ft upstream of Illinois Central Railroad and 2.5 mi upstream from mouth.

DRAINAGE AREA.--11.4 mi².

PERIOD OF RECORD.--August 1954 to current year (Annual peaks only prior to 1989 water year).

GAGE.--Water-stage recorder. Datum of gage is 260.72 ft above National Geodetic Vertical Datum of 1929. Prior to Mar. 2, 1988, at datum 2.00 ft higher.

REMARKS.--Records are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,480 ft³/s, Apr. 14, 1983, maximum gage height, 13.00 ft present datum, Apr. 4, 1977.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1921, maximum discharge, 6,000 ft³/s, gage height, 19.00 ft (but may have been at different datum).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,780 ft³/s, Nov. 7, gage height, 9.52 ft.

GAGE HEIGHT, IN FEET, AND DISCHARGE, IN CUBIC FEET PER SECOND, AT INDICATED TIME, 1990 WATER YEAR

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
11-07	1615	3.71	516	02-03	1615	3.20	380	02-09	0800	4.33	698
11-07	1630	6.87	1,610	02-03	1630	5.09	945	02-09	0830	4.13	638
11-07	1645	8.26	2,200	02-03	1645	6.14	1,320	02-09	0900	3.81	544
11-07	1700	8.97	2,520	02-03	1700	6.48	1,450	02-09	0930	3.69	510
11-07	1715	9.43	2,740	02-02	1715	6.69	1,540	02-09	1000	3.52	464
11-07	1730	9.52	2,780	02-03	1730	6.76	1,560	02-09	1100	3.16	370
11-07	1745	9.44	2,740	02-03	1745	6.73	1,550	02-09	1200	3.09	352
11-07	1800	9.27	2,660	02-03	1800	6.63	1,510				
11-07	1830	9.21	2,630	02-03	1815	6.26	1,370	04-27	1515	4.05	614
11-07	1900	9.06	2,560	02-03	1830	6.18	1,340	04-27	1530	4.90	888
11-07	1930	8.76	2,420	02-03	1845	6.08	1,300	04-27	1545	5.28	1,010
11-07	2000	8.46	2,290	02-03	1900	5.84	1,210	04-27	1600	5.46	1,070
11-07	2030	7.78	1,990	02-03	1915	5.38	1,050	04-27	1615	5.81	1,200
11-07	2100	7.24	1,760	02-03	1930	5.07	938	04-27	1630	5.94	1,250
11-07	2130	6.92	1,630	02-03	1945	4.54	764	04-27	1645	6.13	1,320
11-07	2200	6.46	1,450	02-03	2000	4.41	723	04-27	1700	6.16	1,330
11-07	2230	6.07	1,300	02-03	2015	4.09	626	04-27	1715	6.24	1,360
11-07	2300	5.71	1,160	02-03	2030	3.84	553	04-27	1730	6.42	1,430
11-07	2330	5.58	1,120	02-03	2045	3.73	521	04-27	1745	6.61	1,500
11-07	2400	5.50	1,090	02-03	2100	3.45	445	04-27	1800	6.60	1,500
				02-03	2115	3.35	418	04-27	1815	6.56	1,480
01-20	0500	3.47	450	02-03	2130	3.16	370	04-27	1830	6.23	1,360
01-20	0515	4.74	828	02-03	2145	3.06	345	04-27	1845	6.05	1,290
01-20	0530	5.51	1,090					04-27	1900	5.86	1,220
01-20	0545	6.12	1,310	02-09	0345	3.22	385	04-27	1915	5.65	1,140
01-20	0600	6.36	1,410	02-09	0400	3.58	480	04-27	1930	5.42	1,060
01-20	0615	6.53	1,470	02-09	0415	4.22	665	04-27	1945	5.11	952
01-20	0630	6.40	1,420	02-09	0430	4.70	815	04-27	2000	4.77	838
01-20	0645	6.37	1,410	02-09	0445	5.39	1,050	04-27	2015	4.59	780
01-20	0700	6.12	1,310	02-09	0500	6.26	1,370	04-27	2030	4.26	677
01-20	0715	5.92	1,240	02-09	0515	6.58	1,490	04-27	2045	4.18	653
01-20	0730	5.65	1,140	02-09	0530	6.42	1,430	04-27	2100	3.98	593
01-20	0745	5.35	1,030	02-09	0545	6.27	1,370	04-27	2115	3.84	553
01-20	0800	5.17	972	02-09	0600	6.06	1,290	04-27	2130	3.76	530
01-20	0815	4.83	858	02-09	0615	5.77	1,180	04-27	2145	3.64	496
01-20	0830	4.76	835	02-09	0630	5.51	1,090	04-27	2200	3.46	447
01-20	0900	4.38	714	02-09	0645	5.38	1,050	04-27	2215	3.33	413
01-20	0930	4.08	623	02-09	0700	5.07	938	04-27	2230	3.29	403
01-20	1000	4.07	620	02-09	0715	4.91	884				
01-20	1100	3.97	590	02-09	0730	4.70	815				
01-20	1200	3.88	564	02-09	0745	4.50	751				
01-20	1300	3.48	453								
01-20	1400	3.15	367								

Flood hydrograph partial-record stations

PEARL RIVER BASIN

02486100 LYNCH CREEK AT JACKSON, MS

LOCATION.--Lat 32°17'04", long 90°12'52", in SW4SE4 sec.8, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, near left bank at the downstream side of Valley Street bridge in Jackson, 2,000 ft downstream of Highway 80, and 2.0 mi upstream from the mouth.

DRAINAGE AREA.--12.0 mi² (11.1 mi² at U.S. Highway 80, furnished by City of Jackson plus 0.9 mi² intervening area estimated from City of Jackson 2-ft contour map).

PERIOD OF RECORD.--August 1954 to current year (annual peaks only prior to 1988 water year).

GAGE.--Water-stage recorder. Datum of gage is 261.68 ft above National Geodetic Vertical Datum of 1929.

REMARKS.--No estimated discharges. Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 6,600 ft³/s, June 16, 17, 1958, gage height, 18.05 ft.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 29, 1953, maximum discharge, 7,500 ft³/s, gage height, 18.9 ft (from floodmark). Flood prior to 1939 reached a stage of 19.2 ft (from Mississippi Highway Department).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,110 ft³/s, Nov. 7, gage height, 14.02 ft.

Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge	Date	Time	Gage Height	Discharge
11-07	1645	4.13	323	02-03	1745	11.17	2,070	04-27	1730	13.06	2,740
11-07	1700	5.16	497	02-03	1800	10.86	1,970	04-27	1745	13.40	2,870
11-07	1715	8.43	1,240	02-03	1815	10.52	1,860	04-27	1800	13.64	2,960
11-07	1430	10.92	1,990	02-03	1830	10.10	1,720	04-27	1815	13.71	2,990
11-07	1745	12.54	2,550	02-03	1845	9.62	1,580	04-27	1830	13.62	2,950
11-07	1800	13.42	2,870	02-03	1900	9.04	1,410	04-27	1845	13.35	2,850
11-07	1815	13.85	3,060	02-03	1915	8.46	1,250	04-27	1900	13.04	2,730
11-07	1830	14.02	3,110	02-03	1930	7.93	1,110	04-27	1915	12.67	2,590
11-07	1845	14.00	3,100	02-03	1945	7.49	998	04-27	1930	12.30	2,460
11-07	1900	13.81	3,030	02-03	2000	7.11	907	04-27	1945	11.94	2,330
11-07	1930	13.37	2,860	02-03	2030	6.45	757	04-27	2000	11.54	2,190
11-07	2000	12.72	2,610	02-03	2100	5.89	638	04-27	2015	11.06	2,030
11-07	2030	12.07	2,380	02-03	2130	5.41	544	04-27	2030	10.51	1,850
11-07	2100	11.33	2,120	02-03	2200	5.00	468	04-27	2100	9.36	1,500
11-07	2130	10.36	1,800	02-03	2230	4.62	402	04-27	2130	8.22	1,180
11-07	2200	9.24	1,470	02-03	2300	4.27	345	04-27	2200	7.25	940
11-07	2230	8.21	1,180					04-27	2230	6.44	754
11-07	2300	7.35	964	02-09	0230	4.46	375	04-27	2300	5.82	624
11-07	2330	6.60	790	02-09	0245	5.53	567	04-27	2330	5.33	528
11-07	2400	6.15	692	02-09	0300	6.45	757	04-27	2400	4.94	457
				02-09	0315	7.34	962				
01-04	0430	4.95	459	02-09	0330	8.32	1,210	05-12	1515	2.98	168
01-04	0445	5.54	569	02-09	0345	9.10	1,430	05-12	1530	5.16	497
01-04	0500	6.56	781	02-09	0400	10.33	1,800	05-12	1545	7.05	893
01-04	0515	7.90	1,100	02-09	0415	11.45	2,160	05-12	1600	7.81	1,080
01-04	0530	9.03	1,410	02-09	0430	11.98	2,350	05-12	1645	8.25	1,190
01-04	0545	9.85	1,650	02-09	0445	12.16	2,410	05-12	1715	8.87	1,360
01-04	0600	10.48	1,840	02-09	0500	12.12	2,390	05-12	1830	9.25	1,470
01-04	0615	11.04	2,020	02-09	0515	11.99	2,350	05-12	1900	8.97	1,390
01-04	0630	11.47	2,170	02-09	0530	11.02	2,020	05-12	1930	8.31	1,210
01-04	0645	11.79	2,280	02-09	0545	11.02	2,020	05-12	1945	7.93	1,110
01-04	0700	12.01	2,360	02-09	0600	11.27	2,100	05-12	2015	7.16	919
01-04	0715	12.10	2,390	02-09	0615	10.93	1,990	05-12	2030	6.96	872
01-04	0730	12.05	2,370	02-09	0630	10.52	1,860	05-12	2045	7.68	1,050
01-04	0800	11.66	2,230	02-09	0645	10.02	1,700	05-12	2100	10.03	1,700
01-04	0830	10.98	2,000	02-09	0700	9.46	1,530	05-12	2115	11.74	2,260
01-04	0900	10.09	1,720	02-09	0730	8.38	1,230	05-12	2130	12.70	2,600
01-04	0915	9.60	1,570	02-09	0800	7.58	1,020	05-12	2215	13.20	2,790
01-04	0930	9.10	1,430	02-09	0830	6.91	860	05-12	2300	12.72	2,610
01-04	0945	8.64	1,300	02-09	0900	6.30	724	05-12	2330	12.06	2,370
01-04	1000	8.18	1,170	02-09	0930	5.02	471	05-12	2345	11.59	2,210
01-04	1030	7.39	974	02-09	1000	5.34	530	05-12	2400	11.04	2,020
01-04	1100	6.69	810	02-09	1030	4.87	445				
01-04	1100	6.06	673	02-09	1100	4.64	405	05-13	0015	10.41	1,820
01-04	1200	5.53	567					05-13	0030	9.77	1,620
01-04	1300	4.80	433	04-27	1400	2.84	152	05-13	0045	9.14	1,440
				04-27	1430	3.38	217	05-13	0100	8.56	1,280
02-03	1515	3.15	188	04-27	1500	3.47	229	05-13	0115	8.05	1,140
02-03	1530	7.43	984	04-27	1515	5.19	502	05-13	0130	7.56	1,020
02-03	1545	10.34	1,800	04-27	1530	8.82	1,350	05-13	0145	7.08	900
02-03	1600	11.90	2,320	04-27	1545	10.12	1,730	05-13	0200	6.65	801
02-03	1615	12.50	2,530	04-27	1600	11.12	2,050	05-13	0230	5.95	650
02-03	1630	12.63	2,580	04-27	1615	11.75	2,260	05-13	0300	5.43	547
02-03	1645	12.53	2,540	04-27	1630	11.95	2,330	05-13	0345	4.87	445
02-03	1700	12.30	2,460	04-27	1645	12.08	2,380	05-13	0430	4.37	361
02-03	1715	11.95	2,330	04-27	1700	12.37	2,480	05-13	0530	3.90	289
02-03	1730	11.55	2,200	04-27	1715	12.69	2,600	05-13	0700	3.42	222

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 1990

Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Annual Maximum		
					Date	Gage height (feet)	Dis-charge (ft ³ /s)
MOBILE RIVER BASIN							
02434000	Town Creek at Tupelo, MS	Lat 34°17'39", long 88°42'32", in SW ⁴ SE 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.	111	1944-46+, 1952-70+, 1971-90	2-10-89	23.32	15,000
02435800	Coonewah Creek at Shannon, MS	Lat 34°08'17", long 88°43'08", in SE 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.	53.1	1953-90	2-10-90	16.63	(†)
02436000	Chiwapa Creek at Shannon, MS	Lat 34°06'35", long 88°43'20", in SE 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.	145	1952-67+, 1968-90	2-10-90	12.63	20,200
02437300	Mattubby Creek near Aberdeen, MS	Lat 33°52'13", long 88°35'46", in SE ⁴ SE ⁴ sec.7, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, at bridge on U.S. Highway 45, 1.5 mi above Wolf River, and 4.1 mi northwest of Aberdeen.	92.2	1937, 1952-90	3- 2-90	92.08	5,940
02437550	Nichols Creek tributary near Quincy, MS	Lat 33°54'20", long 88°21'05", in SE 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.	.54	1967-90	1-13-89 5-28-90	6.51 7.03	285 330
02437600	James Creek at Aberdeen, MS	Lat 38°48'48", long 88°33'59", in SW ⁴ SE 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.	28.4	1964-68+, 1969-90	3- 2-90	22.98	3,590
02439980	Chuquatonchee Creek near Okalona, MS	Lat 34°00'05", long 88°53'00", in NE 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.	68.5	1963-68, 1969-80, 1984-86, 1988-90	3- 3-90	<12.23	<2,170
02440000	Chuquatonchee Creek near Egypt, MS	Lat 33°50'24", long 88°45'40", on line between secs.22 and 27, T.14 S., R.5 E., Chickasaw Meridian, Chickasaw County, Hydrologic Unit 03160104, at bridge on State Highway 8, 4.5 mi southwest of Egypt.	167	1952-73+, 1974-90	3- 3-90	13.33	6,090
02440400	Houlka Creek near McCondy, MS	Lat 33°47'05", long 88°51'15", in SE ⁴ SW 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.	189	1963-68+, 1969-90	3- 3-90	13.78	6,080
02440500	Chuquatonchee Creek near West Point, MS	Lat 33°36'25", long 88°42'30", on line between secs.7 and 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.	505	1944-73+, 1974-90	3- 3-90	17.45	10,700
02440600	Line Creek near Maben, MS	Lat 33°39'17", long 89°03'41" in SW ⁴ sec.26 T.16 S., R.2 E., Chickasaw Meridian, Webster County, Hydrologic Unit 03160104, at bridge on State Highway 15, 1,000 ft below Gulf, Mobile and Ohio Railroad, and 7.0 mi north of Maben.	4.76	1952-90	3- 1-90	21.14	2,010

Annual maximum discharge at crest-stage partial-record stations during water year 1990

Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Annual Maximum		
					Date	Gage height (feet)	Dis-charge (ft ³ /s)
MOBILE RIVER BASIN--Continued							
02440800	Trim Cane Creek near Starkville MS	Lat 33°28'08", long 88°54'30", in W ⁴ sec.35, T.19 N., R.13 E., Choctaw Meridian, Oktibbeha County, Hydrologic Unit 03160104, at bridge on U.S. Highway 82, 3.0 mi above Biba Wila Creek, and 6.0 mi west of Starkville.	44.9	1952-90	3- 2-90	21.96	3,800
02441220	Sand Creek tributary near Mayhew, MS	Lat 33°28'37", long 88°43'23", on line between SW ⁴ sec.27 and NW ⁴ sec.34, T.19 N., R.15 E., Choctaw Meridian, Oktibbeha County, Hydrologic Unit 03160104, on U.S. Highway 82, 3.7 mi west of Mayhew.	.44	1966-90	12-31-89	5.08	135
02441300	Catalpa Creek at Mayhew, MS	Lat 33°28'53", long 88°37'42", in NE ⁴ SW ⁴ sec.28, T.19 N., R.16 E., Choctaw Meridian, Lowndes County, Hydrologic Unit 03160104, at bridge on U.S. Highway 82, 0.5 mi east of Mayhew.	98.0	1963-68†, 1969-90	12-31-89	19.92	15,700
02443000	Luxapallila Creek at Steens, MS	Lat 33°33'35", long 88°18'55" in NE 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.	309	1944-47†, 1950-77†, 1978-90	2-17-90	19.41	8,700
02448620	Flat Scooba Creek tributary near Scooba, MS	Lat 32°50'27", long 88°28'08", in SE 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.	.44	1967-90	2-16-90	6.30	205
PASCAGOULA RIVER BASIN							
02471100	Leaf River near Raleigh, MS	Lat 32°00'47", long 89°25'58", in SE ⁴ SE ⁴ sec.13, T.2 N., R.8 E., Choctaw Meridian, Smith County, Hydrologic Unit 03170004, at bridge on State Highway 18, 6.0 mi east of Raleigh.	143	1940-43c, 1957-90	2-16-90	26.27	11,300
02471250	Leaf River at Taylorsville, MS	Lat 31°49'40", long 89°24'30", on line between secs.16 and 21, T.10 N., R.14 W., St. Stephens Meridian, Smith County, Hydrologic Unit 03170004, on State Highway 28, 1.0 mi east of Taylorsville.	459	1968-90	2-16-90	57.28	37,200
02471500	Oakohay Creek at Mize, MS	Lat 31°52'00", long 89°32'49", in NW ⁴ , sec.6, T.10 N., R.15 W., St. Stephens Meridian, Smith County, Hydrologic Unit 03170004, on State Highway 28, at Mize.	185	1943-49†, 1968-90	2-16-90	14.15	10,100
02472420	Bowie Creek near Sanford, MS (formerly published as Bowie Creek near Sanford)	Lat 31°28'20", long 89°31'20", in NE 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.	262	1968-90	5-13-90	30.80	28,500
02473047	Gordon Creek at Hattiesburg, MS	Lat 31°19'42", long 89°18'14", in NW ⁴ NE ⁴ sec.9, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170005, at bridge on Broad Street in Hattiesburg.	8.83	1969-90	5-13-90	13.05	2,390
02473480	Tallahattah Creek near Waldrup, MS	Lat 31°51'40", long 89°05'10", in NW ⁴ SE 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.	30.4	1965-70†, 1971-90	2-16-90	16.23	4,360
02473850	Tallahoma Creek tributary at Lake Como, MS	Lat 31°57'43", long 89°12'18", on line between SE ⁴ sec.31, T.1 N., and NE ⁴ sec.6, R.11 E., (revised) Choctaw Meridian, Jasper County, Hydrologic Unit 03170005, at culvert on State Highway 528, 0.5 mi east of Lake Como.	3.21	1966-90	2-16-90	8.37	860

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations during water year 1990

Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Annual Maximum		
					Date	Gage height (feet)	Dis-charge (ft ³ /s)
PASCAGOULA RIVER BASIN--Continued							
02474650	Buck Creek near Runnelstown, MS	Lat 31°21'50", long 89°03'08", in SE¼ sec.25, T.5 N., R.11 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, at bridge on State Highway 42, 2.5 mi above mouth, and 3.7 mi east of Runnelstown.	20.8	1951-90	5-13-90	16.70	4,640
02475050	Waterfall Branch near McLain, MS	Lat 31°07'08", long 88°45'28", in SW¼ NE¼SE¼ 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.	.65	1955-90	5-13-90	7.88	370
02477050	Souenlovie Creek near Baxter, MS	Lat 32°13'10", long 89°09'30", in NE¼ sec.3 T.4 N., R.11 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170002, at culvert on State Highway 15, 2.6 mi north of Baxter.	1.14	1965-90	2-15-90	11.99	960
02477330	Shubuta Creek near Shubuta, MS	Lat 31°53'04", long 88°44'20" in NW¼ sec. 35, T.1 N., R.15 E., Choctaw Meridian, Clarke County, Hydrologic Unit 0317002, at county highway 1.5 mi northwest of Shubuta, and 5.0 mi above mouth.	75.5	1963-90	1-25-90	20.62	6,440
TCHOUTACABOUFFA RIVER BASIN							
02480500	Tuxachanie Creek near Biloxi, MS	Lat 30°30'35", long 88°54'40", in SE¼ NW¼ sec.20, T.6 S., R.9 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, at bridge on State Highway 15, 7.0 mi north of city limits of Biloxi.	92.4	1952-71+, 1972-90	5-13-90	18.38	5,500
BILOXI RIVER BASIN							
02481130	Biloxi River near Lyman, MS	Lat 30°29'18", long 89°02'09", in SE¼SE¼ sec.25, T.6 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, on downstream side of left pier of bridge on county highway, 1.2 mi downstream from Little Biloxi River, 4.6 mi east of Lyman.	251	1965-90	5-13-90	18.21	9,830
PEARL RIVER BASIN							
02483890	Yockanookany River tributary near McCool, MS	Lat 33°10'06", long 89°25'28", in SW¼ 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.	0.34	1965-90	3- 2-90	3.64	104
02484600	Coffee Bogue at Ludlow, MS	Lat 32°34'25", long 89°43'48", in N¼ of line between sec.1 and 6, T.8 N., R.5 E., Choctaw Meridian, Scott County, Hydrologic Unit 03180002, at bridge on county road, 1.0 mi west of Ludlow.	77.0	1975-90	2-12-90	14.45	5,740
02484750	Red Cane Creek tributary near Pisgah, MS	Lat 32°28'05", long 89°47'55", on line between NE¼ sec.8 and NW¼ sec.9, T.7 N., R.5 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, at circular culvert on State Highway 43, 4.1 mi east of Pisgah.	.10	1965-90	2-12-90	5.24	69
02484760	Fannegusha Creek near Sand Hill, MS	Lat 32°30'20", long 89°48'45", in SW¼ 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.	52.3	1975-90	2-12-90	11.56	3,930
02485650	Purple Creek at Jackson, MS	Lat 32°22'48", long 90°07'19", in NW¼ 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.	6.12	1952-90	2-12-90	9.98	1,100

Annual maximum discharge at crest-stage partial-record stations during water year 1990

Annual Maximum Discharge at Cross-Section Gauging Record Stations during Water Year 1990					Annual Maximum		
Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (feet)	Dis-charge (ft ³ /s)
PEARL RIVER BASIN--Continued							
02486115	Three Mile Creek at Jackson, MS	Lat 32°16'15", long 90°13'00", in NW4SE4 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.	1.05	1962-90	5- 3-90	9.21	895
02487300	Strong River near Puckett, MS	Lat 32°03'48", long 89°44'50", in SE4SE4 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.	248	1958-90	2-16-90	24.87	11,500
02487500	Strong River at D'Lo, MS	Lat 31°58'40", long 89°53'53", in SW4 sec.28, T.2 N., R.4 E., Choctaw Meridian, Simpson County, Hydrologic Unit 03180002, on left bank at downstream side of old U.S. Highway 49, 0.2 mi south of D'Lo.	425	1928-71+, 1972-90	2-16-90	30.50	17,300
02487900	Copiah Creek near Hazlehurst, MS	Lat 31°53'23", long 90°17'10", in SW4SE4 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.	47.4	1948-65, 1966-68+, 1969-90	5-12-90	18.60	6,200
02489030	Elmers Draw near Columbia, MS	Lat 31°11'58", long 89°57'57", in SE4SE4NW4 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.	.91	1955-90	2-15-90	8.86	550
02492360	West Hobolochitto Creek near McNeill, MS	Lat 30°39'42", long 89°41'10", in NW4NE4 sec.34, T.4 S., R.17 W., St. Stephens Meridian, Pearl River County, Hydrologic Unit 03180004 at bridge on county road, 3.1 mi west of McNeill.	175	1966-68+, 1969-90	5-13-90	18.44	5,950
YAZOO RIVER BASIN							
07267000	Hell Creek near New Albany, MS	Lat 34°30'55", long 89°03'10", in SW4 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 northwest of New Albany, and 4.5 mi above mouth.	27.3	1939-42+, 1952-90	2- 4-90	<6.47	<2,100
07268500	Cypress Creek near Etta, MS	Lat 34°26'30", long 89°17'25", in SE4 sec.27, T.7 S., R.1 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030201, at bridge on State Highway 30, 4.5 mi southwest of Etta, and 5.0 mi above mouth. Prior to Oct. 1, 1964, at datum 10.00 ft higher.	28.5	1939-42+, 1952-90	2- 4-90	<19.14	
07269000	North Tippah Creek near Ripley, MS	Lat 34°44'00", long 89°01'34", in SW4 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.	20.0	1939-42+, 1952-85, 1988-90	2- 4-90	16.48	3,360
07274250	Otocalofa Creek at Water Valley, MS	Lat 34°08'26", long 89°38'15", in SW4 NE4 sec.8, T.11 S., R.4 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08020203, at bridge on State Highway 7, 0.9 mi south of Water Valley, and 5.2 mi above mouth.	84.1	1952-90	2- 3-90	24.23	5,550
07275500	Long Creek at Courtland, MS	Lat 34°13'40", long 89°56'20", near center of sec.9, T.10 S., R.7 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030203, at bridge on U.S. Highway 51, 1.0 mi south of Courtland, 5.5 mi above mouth, and 6.0 mi south of Batesville.	66.2	1940-43+, 1952-90	2- 4-90	13.03	13,300

Annual maximum discharge at crest-stage partial-record stations during water year 1990

Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Annual Maximum		
					Date	Gage height (feet)	Dis-charge (ft ³ /s)
YAZOO RIVER BASIN--Continued							
07285700	Long Creek near Cascilla, MS	Lat 33°51'40", long 89°59'05", in NE¼ 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.	1.64	1965-90	11- 6-89	9.32	800
07287350	Fannegusha Creek near Tchula, MS	Lat 33°10'00", long 90°10'12", on line between secs.11 and 14, T.15 N., R.1 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on State Highway 12, east of Tchula.	103	1953-65e, 1968-90	2-10-90	19.99	8,760
BIG BLACK RIVER BASIN							
07289265	Hays Creek tributary No. 1 near Vaiden, MS	Lat 33°23'10", long 89°46'07", in SE¼SW¼ 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.	14.0	1975-90	6- 3-90	25.80	2,350
07289600	Tilda Bogue near Canton, MS	Lat 32°39'15", long 90°00'05", in SW¼ 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.	24.4	1948-90	4-28-90	17.90	2,550
07290005	Clear Creek near Bovina, MS	Lat 32°21'42", long 90°43'32", in SW¼ sec.17, T.16 N., R.5 E., Washington Meridian, Warren County, Hydrologic Unit 08060202, on county road, 1.0 mi northeast of Bovina.	32.0	1953-90	4-12-55 2- 4-56 - -57 5- 1-58 11-15-58 8-22-60 6-20-61 4-11-62 8-14-63 6- 1-67 4-13-69 12-30-69 2-21-71 3-15-73 12-24-74 8- 1-75 10-16-76 3- 3-77 5- 8-78 4-12-79 4-12-80 8- 1-82 4-13-83 3- 5-84 2-24-85 3-18-87 3-24-88 1-12-89 5-31-90	25.08 22.26 24.74 25.39 20.36 25.14 24.90 29.53 22.41 25.10 30.03 24.29 24.09 29.33 26.98 27.95 24.98 24.88 26.50 23.44 25.91 28.07 28.28 23.11 22.72 25.50 19.41 25.31 29.37	d5,320 d2,980 d4,850 d5,780 d2,310 d5,410 d5,070 d18,000 d3,040 d5,350 d21,000 d4,270 d4,040 d17,900 d9,840 d12,800 d5,460 d5,370 d8,550 d4,260 d7,160 d13,200 d13,900 d4,080 d3,860 d6,360 d2,680 d6,020 d18,100
BAYOU PIERRE BASIN							
07290690	Clarks Creek near Pattison, MS	Lat 31°53'40", long 90°50'40", in lot 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.	77.4	1961-62+, 1963-90	5-12-90	26.46	22,800
07290830	Little Creek near Fayette, MS	Lat 31°40'30", long 91°04'10", in SE corner of irregular section 24, T.8 N., R.1 E., Washington Meridian, Jefferson County, Hydrologic Unit 08060204, at culvert on State Highway 33, 2.0 mi south of Fayette.	1.71	1967-90	4-21-90	10.76	950
COLES CREEK BASIN							
07290870	Coles Creek near Fayette, MS	Lat 31°45'55", long 91°11'30", in lot 21, T.9 N., R.1 W., Washington Meridian, Jefferson County, Hydrologic Unit 08060204, at bridge on county highway, 0.7 mi below confluence of North and South Forks of Coles Creek, and 10.0 mi northwest of Fayette.	257	1961-62+, 1963-90	5-12-90	24.74	24,400

Annual maximum discharge at crest-stage partial-record stations during water year 1990

Station No.	Station Name	Location	Drainage area (mi ²)	Period of record	Date	Annual Maximum	
						Gage height (feet)	Dis-charge (ft ³ /s)
HOMOCHITTO RIVER BASIN							
07291250	McCall Creek near Lucien	Lat 31°30'24", long 90°38'45", in SW 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.	60.0	1953, 1955-90	2-15-90	85.27	10,300
THOMPSON CREEK BASIN							
07373550	Moore's Branch near Woodville, MS	Lat 31°05'20", long 91°14'30", in SE ⁴ SW 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.	.21	1955-90	2-15-90	5.45	235

† Discharge not determined.

‡ Operated as a continuous-record gaging station.

a Approximately.

b High-water mark was not determined.

c Gage heights and discharge measurements in files of Corps of Engineers.

d Revised.

e Published at site near Howard, 3 mi downstream.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Special study and miscellaneous sites

Discharge measurements in the following table were made at special study and miscellaneous sites throughout the State.

Discharge measurements made at special study and miscellaneous sites during water year 1990

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
MOBILE RIVER BASIN						
02443000 Luxapallila Creek at Steens, MS	Tombigbee River	Lat 33°33'35", long 88°18'55", In NE¼ sec.27, T.17 S., R.17 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160105, on county road, 0.2 mi southeast of Steens.	309	1944-47, 1950-89	11- 3-89 12-06-89 1-26-90 3- 6-90 4-12-90 5-24-90 7-12-90	127 264 2,100 931 512 1,060 146
PASCAGOULA RIVER BASIN						
02471400 Oakohay Creek near Raleigh, MS	Leaf River	Lat 32°02'49", long 89°34'15", In NW¼ sec.3, T.2 N., R.7 E., Choctaw Meridian, Smith County, Hydrologic Unit 03170004, on State Highway 18, 3.0 miles west of Raleigh.	60.9	1943, 1951-52, 1955-57, 1960, 1968, 1985-89	10-11-89 11-28-89 1- 3-90 2-14-90 3-29-90 5-10-90 6-21-90 7-31-90 9-11-90	0.82 7.27 30.6 73.5 37.3 175 22.2 0.38 0
02471405 Two Mile Creek near Raleigh, MS	Oakohay Creek	Lat 32°02'39", long 89°33'03", In NW¼ sec.2, T.2 N., R.7 E., Choctaw Meridian, Smith County, Hydrologic Unit 03170004, on State Highway 18, 1.5 mi west of Raleigh.	2.58	1985-89	10-11-89 11-28-89 1- 3-90 2-14-90 3-29-90 5-10-90 6-21-90 7-31-90 9-11-90	0.72 4.04 2.44 5.60 7.05 4.01 0.89 0.50 0.47
02472820 Okatoma Creek at Seminary, MS	Bowie Creek	Lat 31°33'45", long 89°30'15", In NE¼ sec.21, T.7 N., R.15 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, on State Highway 590, 0.1 mi west of Seminary.	204	1961, 1972, 1980-89	10-16-89 11-27-89 1- 9-90 5-14-90 8- 9-90	109 138 1,360 9,570 91.6
02472890 Big Creek near Hattiesburg	Leaf River	Lat 31°23'19", long 89°22'33", In NW¼ sec. 23, T.5 N., R.14 W., Stephens Meridian, Forrest County, Hydrologic Unit 03170004, on U.S. Highway 49, 1.5 mi northwest of Hattiesburg.	31.9	----	1-25-90	3,690
02474567 Bogue Homo at Heidelberg, MS	Leaf River	Lat 31°54'08", long 89°00'38", In NW¼ sec.30, T.1 N., R.12 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170005, on State Highway 528, 0.6 mi west of Heidelberg.	16.4	1985-89	10-19-89 11-30-89 1-11-90 4- 5-90 6-27-90	20.7 16.0 38.1 18.0 1.67
02474740 Leaf River at Beaumont, MS	Pascagoula River	Lat 31°10'56", long 88°55'08", In NW¼ sec. 32, T. 3 N., R.9 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, on State Highway 15, 1.0 mile north of Beaumont.	3,120	1942-45, 1965, 1976, 1978	1-28-90 2-21-90	56,400 66,100
02479100 Black Creek near Purvis, MS	Pascagoula River	Lat 31°11'24", long 89°22'36", In SW¼ sec.26, T.3 N., R.14 W., St. Stephens Meridian, Lamar County, Hydrologic Unit 03170007, on U.S. Highway 11, 4.0 mi northeast of Purvis.	171	1957-59, 1961, 1963, 1967, 1972, 1975-77, 1979-80, 1985-89	11-13-89 5- 1-90 6-14-90 7-23-90 9- 7-90	114 355 249 108 53.1
PEARL RIVER BASIN						
02485601 Pearl River at Ross Barnett Reservoir at Jackson, MS	Gulf of Mexico	Lat 32°23'47", long 90°03'50", In NW¼ sec.2, T.6 N., R.2 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, on Spillway Road, at dam of Ross Barnett Reservoir.	3,050	1963-64, 1966-67, 1971, 1973, 1979-80, 1985-89,	10-12-89 3-28-90 5-11-90 6-19-90 8- 1-90 9-12-90	717 2,060 286 1,380 136 270

Discharge measurements made at special study and miscellaneous sites during water year 1990

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
PEARL RIVER BASIN--Continued						
02486500 Pearl River at Byram, MS	Gulf of Mexico	Lat 32°10'36", long 90°14'35", In NW¼ sec.19, T.4 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, on county road, 0.2 mi southwest of Byram.	3,380	1939, 1964, 1972, 1976-78, 1984-89	10-13-89 11-30-89 1-10-90 3-27-90 5- 9-90 6-20-90 8- 2-90 9-12-90	691 8,950 26,100 4,950 522 1,920 493 378
02489000 Pearl River near Columbia, MS	Gulf of Mexico	Lat 31°14'18", long 89°50'49", In NW¼ sec.7, T.3 N., R.18 W., St. Stephens Meridian, Marion County, Hydrologic Unit 03180004, on U.S. Highway 98,	5,720	1928-55, 1958, 1960-64, 1972, 1974, 1985-89	10- 4-89 11-13-89 12-18-89 1-27-90 3-19-90 4-25-90 6- 7-90 7-18-90 8-29-90	4,680 13,200 6,600 73,000 16,200 3,370 14,900 2,700 1,300
02490900 Bogue Chitto near Lehr, MS	West Pearl River	Lat 31°01'22", long 90°12'33", In NE¼ sec.29, T.1 N., R.10 E., Washington Meridian, Wal- thall County, Hydrologic Unit 03180005, on county road, 1.1 mi west of Lehr.	785	1969, 1971, 1976, 1979, 1982-89	10- 4-89 11-13-89 12-18-89 2- 7-90 3-15-90 4-25-90 6- 7-90 7-18-90 8-29-90	732 590 1,060 3,120 1,260 753 1,160 700 531
02492395 Mill Creek near Carriere, MS	West Hobolochitto Creek	Lat 30°34'55", long 89°38'05", In SE¼ sec. 29, T. 1N., R.10 W., St. Stephens Meridian, Pearl River County, Hydrologic Unit 03180004, on private road, 2.8 mi southeast of Carriere.	10.3	1987-89	8-18-90	0.88
YAZOO RIVER BASIN						
07274235 Otoucalofa Creek near Paris, MS	Yocona River	Lat 34°08'56", long 89°26'20", In SE¼ sec.6, T.11 S., R.2 W., Chickasaw Meridian, Calhoun County, Hydrologic Unit 08030203, on county road, 2.2 mi southeast of Paris.	8.28	1988-89	10-24-89 7-12-90 7-14-90	0.42 0.87 0.45
07274237 Otoucalofa Creek at Paris, MS	Yocona River	Lat 34°10'11", long 89°27'24", In NW¼ sec.31, T.10 S., R.2 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030203, on county road, 0.5 mi south of Paris.	21.0	1988-89	10-24-89 7-12-90 7-14-90	1.65 3.94 2.06
07274245 Otoucalofa Creek near Water Valley, MS	Yocona River	Lat 34°09'30", long 89°31'58", In NE¼ sec.5, T.11 S., R.3 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, on county road, 4.2 mi east of Water Valley.	46.5	1988-89	10-24-89 7-12-90 7-14-90	4.92 8.82 7.88
07274247 Otoucalofa Creek near Water Valley, MS	Yocona River	Lat 34°07'49", long 89°35'36", In NW¼ sec.14, T.11 S., R.4 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, on county road 2.0 mi east-southeast of Water Valley.	74.0	1988-89	10-24-89 7-12-90 7-14-88	17.6 24.7 20.3
07277520 Hickahala Creek near Independance, MS	Coldwater River	Lat 34°40'30", long 89°45'27", In SE¼ sec.6, T.5 S., R.5 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, on county road, 3.6 mi southeast of Independance.	25.3	1988-89	4-25-90 4-27-90 4-27-90 4-28-90	12.3 7.79 47.8 140
07277530 Hickahala Creek near Looxahoma, MS	Coldwater River	Lat 34°38'29", long 89°48'39", In NE¼ sec.22, T.5 S., R.6 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, on State Highway 305, 3.0 mi northeast of Looxahoma.	44.7	1988-89	4-25-90 4-27-90 4-28-90 4-28-90	32.8 23.9 2390 209

Discharge measurements made at special study and miscellaneous sites during water year 1990

Stream	Tributary to	Location	Drainage area (mi²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft³/s)
YAZOO RIVER BASIN--Continued						
07277548 James Wolf Creek near Looxahoma, MS	Hickahala Creek	Lat 34°36'06", long 89°49'17", In SE¼ sec.27, T.5 S., R.6 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030203, on State Highway 4, 1.0 mi northeast of Looxahoma.	35.2	1970, 1975, 1988-89,	4-25-90 4-28-90 4-28-90	13.8 339 96.4
07277715 Senatobia Creek near Como, MS	Hickahala Creek	Lat 34°33'01", long 89°52'50", In NE¼ sec.24, T.6 S., R.7 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030204, on country road, 3.3 mi northeast of Como.	20.4	1988-89	4-25-90 4-27-90 4-28-90	4.95 1,520 113
07287330 Fannegusha Creek near Ituma, MS	Yazoo River	Lat 33°13'35", long 90°02'30", In NE¼ sec.25, T.16 N., R.2 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on State Highway 17, 3.7 mi east of Ituma.	39.8	1988-89	11-28-89 11-30-89 8-28-90	20.2 13.6 5.49
07287375 Black Creek at Bowling Green, MS	Yazoo River	Lat 33°09'37", long 89°57'24", In SW¼ sec.11, T.15 N., R.3 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on county road, 2.4 mi west of Bowling Green.	28.2	1988-89	11-30-89 8-28-90	11.8 5.63
07287405 Black Creek at Howard, MS	Yazoo River	Lat 33°07'11", long 90°11'28", In SW¼ sec.27, T.15 N., R.1 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, on county road, 0.2 mi south of Howard.	178	1988-89	11-27-89 8-28-90	131 32.4
BIG BLACK RIVER BASIN						
07289090 Little Black Creek at Eupora, MS	Big Black River	Lat 33°32'25", long 89°15'05", In NE¼ sec.4, T.19 N., R.10 E., Choctaw Meridian, Webster County, Hydrologic Unit 08060201, on U.S. Highway 82, 0.9 mi east of Eupora.	25.1	1952, 1954, 1956-57, 1964, 1983, 1986-89	9-13-90	1.01
07289092 Whites Creek at Eupora, MS	Little Black Creek	Lat 33°32'25", long 89°15'29", In NW¼ sec.4, T.19 N., R.10 E., Choctaw Meridian, Webster County, Hydrologic Unit 08060201, on U.S. Highway 82, 0.5 mi east of Eupora.	6.94	1986-89	9-13-90	0.19
07289540 Big Black River near Canton, MS	Mississippi River	Lat 32°42'26", long 90°05'40", In SE¼ sec.16, T.10 N., R.2 E., Choctaw Meridian, Madison County, Hydrologic Unit 08060202, on State Highway 16, 6.8 mi northwest of Canton.	1,820	1959-60, 1962, 1964, 1966, 1969-73, 1977, 1985-89	10-12-89 11-28-89 9-14-90	478 4,770 190
07289582 Bear Creek at Hwy 22 West of Canton, MS	Big Black River	Lat 32°36'29", long 90°03'46", In NW¼ sec.23, T.9 N., R.2 E., Choctaw Meridian, Madison County, Hydrologic Unit 08060202, on State Highway 22, 1.0 mi west of Canton.	90.1	1958, 1976, 1983-89	9-14-90	69.4
07290006 Clear Creek at Bovina, MS	Big Black River	Lat 32°21'26", long 90°43'24", In SE¼ sec.17, T.16 N., R.5 E, Washington Meridian, Warren County, Hydrologic Unit 08060202, on U.S. Inter- state 20, 1.0 miles northeast of Bovina.	36.0	1985	9-27-90	7.00
TANGIPAHOA RIVER BASIN						
07375234 Tangipahoa River near McComb, MS	Gulf of Mexico	Lat 31°12'39", long 90°31'19", In NE¼ sec.20, T.3 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on State Highway 24, 3.1 mi southwest of McComb.	44.3	1986-89	3-13-90 4-10-90 5- 8-90 6-11-90 7-10-90 8-14-90 9-18-90	32.0 21.0 22.0 30.7 20.1 18.4 15.6

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
TANGIPAHOA RIVER BASIN--Continued						
07375238 Tangipahoa River near Magnolia, MS	Gulf of Mexico	Lat 31°08'38", long 90°31'04", In NE¼ sec. 17, T.2 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on County Road 2.5 miles west of Magnolia.	66.9	1942, 1953-55	3-12-90 4-10-90 5- 8-90 6-11-90 7-10-90 8-14-90 9-18-90	78.9 59.2 56.0 80.8 49.2 41.0 44.0
07375240 Tangipahoa River south of Magnolia, MS	Gulf of Mexico	Lat 31°06'46", long 90°28'45", In NW¼ sec. 26, T.2 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on U.S. Highway 51, 1.5 miles south of Magnolia.	79.6	1952	3-12-90 4-10-90 5- 8-90 6-11-90 7-10-90 8-14-90 9-18-90	93.5 69.0 67.5 99.0 61.4 46.3 49.0
07375243 Little Tangipahoa River near Fernwood, MS	Tangipahoa River	Lat 31°12'13", long 90°27'26", In NW¼ sec. 25, T.3 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on County Road, 1.2	11.6	1977-78	3-12-90 4-10-90 5- 8-90 6-11-90 7-10-90 8-14-90 9-18-90	4.00 2.55 3.00 9.97 1.88 1.58 1.55
07375246 Town Creek near Fernwood, MS	Little Tangipahoa River	Lat 31°12'13", long 90°27'05", In NE¼ sec. 25, T.3 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on County Road, 1.2 miles north of Fernwood.	7.18	1977	3-12-90 4-10-90 5- 8-90 6-11-90 7-10-90 8-14-90 9-18-90	5.73 5.90 6.49 22.4 7.66 5.09 6.08
07375247 Little Tangipahoa River at Fernwood, MS	Tangipahoa River	Lat 31°11'16", long 90°26'38", In NW¼ sec.31., T.3 N., R.8 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on county road, 0.5 mi northeast of Fernwood.	21.6	1942, 1953-55, 1967, 1977-78, 1988	3-12-90 4-10-90 5- 8-90 6-11-90 7-10-90 8-14-90 9-18-90	11.2 10.4 10.4 34.5 10.8 7.39 9.32
07375250 Little Tangipahoa River at Magnolia, MS	Tangipahoa River	Lat 31°8'31", long 90°27'21", In NW¼ sec.13, T.2 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on U.S. Highway 48, in Magnolia.	39.8	1942-43, 1952-56, 1958, 1962, 1964-65, 1967, 1971, 1977, 1988	3-12-90 4-10-90 5- 8-90 6-11-90 7-10-90 8-14-90 9-18-90	32.9 24.9 23.8 131 23.6 19.6 21.1
07375260 Minnehaha Creek at Magnolia, MS	Little Tangipahoa River	Lat 31°8'31", long 90°27'46", In NW¼ sec.13, T.2 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on U.S. Highway 51, 0.5 mi south of Magnolia.	6.28	1942, 1953-55, 1958, 1967, 1988	3-12-90 4-10-90 5- 8-90 6-11-90 7-10-90 8-14-90 9-18-90	8.52 7.58 7.10 14.3 5.48 4.88 4.42
07375270 Tangipahoa River at Chatawa, MS	Gulf of Mexico	Lat 31°03'37", long 90°28'16", In SE¼ sec. 11, T.1 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on County Road, at Chatawa.	145	----	3-12-90 4-10-90 5- 8-90 6-11-90 7-10-90 8-14-90 9-18-90	176 137 128 369 120 94.7 104
07375280 Tangipahoa River at Osyka, MS	Gulf of Mexico	Lat 31°00'43", long 90°27'40", In NW¼ sec. 36, T.1 N., R7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on State Highway 584, 0.1 miles northeast of Osyka.	157	1976	3-12-90 4-10-90 5- 8-90 6-11-90 7-10-90 8-14-90 9-18-90	225 175 160 759 141 119 133
07375287 Bala Chitto Creek at Osyka, MS	Tangipahoa River	Lat 31°00'16", long 90°26'55", In SE¼ sec. 36, T.1 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on County Road, 0.9 miles east of Osyka.	59.0	----	3-12-90 4-10-90 5- 8-90 6-11-90 7-10-90 8-14-90 9-18-90	56.9 40.0 33.6 486 31.9 25.0 27.0

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
TANGIPAHOA RIVER BASIN--Continued						
07375290 Tangipahoa River near Greenlaw, LA	Gulf of Mexico	Lat 30°58'48", long 90°27'39", In SW ⁴ sec. 54, T.1 S., R.7 E., Washington Meridian, Tangipahoa Parish, Hydrologic Unit 08070205, on State Highway 1054, 1.5 miles east of Greenlaw, LA.	220	----	3-12-90	241
					4-10-90	224
					5- 8-90	209
					6-11-90	1,030
					7-10-90	186
					8-14-90	154
					9-18-90	158
07375305 Terrys Creek near Osyka, MS	Tangipahoa River	Lat 31°00'55", long 90°31'35", In SW ⁴ sec. 29, T.1 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, on State Highway 584, 2.8 miles west of Osyka.	24.1	----	3-12-90	20.6
					4-10-90	18.2
					5- 8-90	15.5
					6-11-90	93.1
					7-10-90	13.8
					8-14-90	10.7
					9-18-90	9.84

Water-quality partial-record stations and miscellaneous sites are locations where chemical-quality, biological, and (or) sediment data are collected once only, intermittently, or systematically but on limited frequency over a period of years for use in hydrologic analyses.

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

MOBILE RIVER BASIN

02430690 - TWENTYMILE CREEK NR MANTACHIE, MS

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
MAY 22...	1525	415	116	130
JUL 11...	1520	2.4	44	0.29

02431410 - MANTACHIE CREEK BL DORSEY, MS

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)	DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (MG/L) (80154)	SEDI-MENT, DIS-CHARGE, SUS-PENDED (T/DAY) (80155)
JAN 25...	1035	231	136	85	MAR 07...	1635	87	37	8.7
FEB 02...	1400	2100	1510	8560	APR 09...	1910	33	27	2.4
02...	1730	1290	1050	3660	MAY 22...	1800	187	110	56
03...	2340	6170	4620	77000	JUL 11...	1425	9.6	201	5.2
04...	0505	4680	2650	33500	AUG 13...	1355	4.3	30	0.35
04...	0820	3500	2160	20400					
04...	1320	2170	1100	6440					
05...	0910	2210	172	1030					
15...	2320	648	492	861					
16...	0120	1160	2100	6580					
16...	0300	1290	1690	5890					
16...	0640	1090	956	2810					
16...	0920	944	662	1690					

02433000 - BULL MOUNTAIN CREEK NR SMITHVILLE, MS

DATE	TIME	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	TUR-BID-ITY (NTU) (00076)	TRANS-PAR-ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, BIO-CHEM-ICAL, 5 DAY (MG/L) (00310)
NOV 29...	1305	29	6.6	12.0	40	9.2	28.5	9.3	--	0.5
MAR 13...	1320	28	6.2	17.5	30	14	24.5	8.8	93	0.8
MAY 30...	1300	26	6.1	19.5	50	35	11.0	7.8	86	0.8
AUG 07...	1300	39	6.6	28.0	10	4.8	30.5	7.0	90	0.7

DATE	TIME	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	CALCIUM DIS-SOLVED (MG/L) AS CA (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L) AS MG (00925)	ALKA-LINITY LAB (MG/L) AS CACO3 (90410)	SULFATE DIS-SOLVED (MG/L) AS SO4 (00945)	CHLO-RIDE, DIS-SOLVED (MG/L) AS CL (00940)	FLUO-RIDE, DIS-SOLVED (MG/L) AS F (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L) AS N (00631)
NOV 29...	65	2.1	0.80	4.8	2.9	1.9	0.10	18	11	0.130	
MAR 13...	K82	1.7	0.80	--	3.1	1.6	<0.05	27	22	0.170	
MAY 30...	210	1.6	0.80	4.1	2.5	1.5	<0.10	23	45	0.180	
AUG 07...	35	3.0	1.0	8.8	2.5	2.2	<0.10	25	9	0.080	

WATER-QUALITY DATA FOR PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

MOBILE RIVER BASIN--Continued

02433000

- BULL MOUNTAIN CREEK NR SMITHVILLE, MS--Continued

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	PHENOLS TOTAL (UG/L) (32730)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
NOV 29...	0.010	<0.20	0.020	0.020	1100	120	<1	--	--	--
MAR 13...	0.010	<0.20	<0.020	<0.020	1100	120	<1	--	0.400	<0.100
MAY 30...	0.050	<0.20	0.030	<0.020	2500	230	<1	--	0.200	<0.100
AUG 07...	0.010	0.43	0.040	0.050	950	160	<1	0.02	0.400	<0.100

02437000

- TOMBIGBEE RIVER NR AMORY, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
JAN 25...	1700	8440	264	6020
MAR 13...	1500	3540	100	956
MAY 23...	1340	5870	213	3380

02437500

- TOMBIGBEE RIVER AT ABERDEEN, MS

			DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)			
MAR									
12...			1835	11800	58	1850	--		
APR									
10...			1535	2310	25	156	--		
MAY									
21...			1735	20600	98	5450	--		
21...			2010	20200	146	7960	--		
22...			0415	15700	152	6440	91		
22...			1150	15700	155	6570	--		
22...			1610	11300	124	3780	--		
JUL									
11...			0820	764	30	62	--		
			SED. SUSP. FALL DIAM. % FINER THAN .002 MM (70337)	SED. SUSP. FALL DIAM. % FINER THAN .004 MM (70338)	SED. SUSP. FALL DIAM. % FINER THAN .008 MM (70339)	SED. SUSP. FALL DIAM. % FINER THAN .016 MM (70340)	SED. SUSP. FALL DIAM. % FINER THAN .031 MM (70341)	SED. SUSP. FALL DIAM. % FINER THAN .062 MM (70342)	SED. SUSP. FALL DIAM. % FINER THAN .125 MM (70343)
DATE	TIME								
MAY	22...	0415	70	81	88	94	97	98	100
			SAMPLE LOCAT.	BED MAT.	BED MAT.	BED MAT.	BED MAT.	BED MAT.	BED MAT.
			X-SECT.	SIEVE	SIEVE	SIEVE	SIEVE	SIEVE	SIEVE
			LOOKING	DIAM.	DIAM.	DIAM.	DIAM.	DIAM.	DIAM.
			UPSTRM.	% FINER	% FINER	% FINER	% FINER	% FINER	% FINER
DATE	TIME		(% FROM R BANK)	THAN .062 MM (80164)	THAN .125 MM (80165)	THAN .250 MM (80166)	THAN .500 MM (80167)	THAN 1.00 MM (80168)	THAN 2.00 MM (80169)
			(00002)						(80170)
MAY	22...	0417	25.0	46	54	81	98	100	--
22...	0419	50.0		2	2	30	98	100	--
22...	0421	75.0		<1	1	9	64	65	66
									69

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

MOBILE RIVER BASIN--Continued

333927088304935 - TTW COLUMBUS LAKE BUTTAHATCHEE R BENDWAY 26A

							OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)		
		SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)			
NOV									
30...	1126	1.00	138	7.3	11.0	9.8	88		
30...	1127	5.00	139	7.3	11.0	9.8	88		
30...	1128	10.0	137	7.3	11.0	9.7	87		
30...	1129	12.0	139	7.3	11.0	9.7	87		
MAR									
14...	1431	1.00	125	7.2	18.0	9.4	101		
14...	1432	5.00	125	7.2	18.0	9.2	98		
14...	1433	8.00	125	7.2	18.0	9.2	98		
AUG									
08...	1501	1.00	210	7.3	30.0	7.3	97		
08...	1502	5.00	210	7.0	28.5	6.0	78		
08...	1503	10.0	210	6.9	28.5	5.0	65		
08...	1504	12.0	212	6.8	28.0	4.4	57		
DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CALCIUM DIS- SOLVED (MG/L) AS CA (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L) AS MG (00925)	ALKA- LINITY LAB (MG/L AS CACO3) (90410)
NOV									
30...	1125	60	33	12.0	1.7	150	17	1.4	31
MAR									
14...	1430	60	35	14.0	0.9	130	18	1.2	35
MAY									
31...	1210	120	42	8.25	1.7	150	15	1.0	25
AUG									
08...	1500	10	7.5	20.2	0.6	26	25	1.8	42
DATE	TIME	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV									
30...	12	11	0.20	85	37	0.140	0.070	0.38	
MAR									
14...	9.5	5.5	0.06	76	46	0.190	0.050	0.59	
MAY									
31...	7.6	11	0.10	79	43	0.290	0.050	0.22	
AUG									
08...	16	26	0.10	132	16	<0.020	0.010	0.33	
DATE	TIME	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	PHENOLS TOTAL (UG/L) (32730)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
NOV									
30...	0.080	0.020	1900	150	<1	--	1.40	0.100	
MAR									
14...	0.060	0.020	2500	110	<1	--	2.50	0.200	
MAY									
31...	0.080	<0.020	2200	110	<1	--	1.30	<0.100	
AUG									
08...	0.060	0.030	590	230	<1	0.05	2.20	0.500	

WATER-QUALITY DATA FOR PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

MOBILE RIVER BASIN--Continued

02439600

- BUTTAHATCHEE RIVER NR KOLOLA SPRINGS, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
NOV 29...	1530	1120	33	6.6	12.0	30	13	21.0	9.5	88	2.7
MAR 14...	0740	1930	32	6.3	17.5	30	15	18.2	8.3	88	0.3
MAY 31...	0920	1750	27	6.1	20.0	60	32	12.0	7.6	84	1.1
AUG 08...	1000	251	36	6.5	25.0	70	26	16.0	7.0	85	0.2

DATE	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	ALKA- LITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)
NOV 29...	92	1.8	0.90	4.6	3.3	2.6	0.20	19	18	0.180
MAR 14...	73	2.2	0.90	5.1	3.4	2.1	<0.05	28	26	0.190
MAY 31...	120	2.0	0.80	5.4	2.6	1.7	<0.10	23	36	0.170
AUG 08...	54	2.2	1.0	6.7	2.5	3.2	<0.10	27	28	0.300
DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N) (00623)	PHOS- PHORUS DIS- TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	PHENOLS TOTAL (UG/L) (32730)	METHY- LENE PHYTO- BLUE ACTIVE SUB- STANCE (MG/L) (38260)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
NOV 29...	0.010	<0.20	0.040	0.020	1200	140	<1	--	<0.100	<0.100
MAR 14...	0.020	<0.20	0.020	0.020	1300	130	<1	--	0.300	<0.100
MAY 31...	0.060	<0.20	0.040	<0.020	2200	150	<1	--	0.400	<0.100
AUG 08...	0.010	0.75	0.050	0.030	1700	200	<1	0.06	0.600	<0.100

02441000

- TIBBEE CREEK NR TIBBEE, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN, DIS- SOLVED (MG/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (00301)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)
NOV 30...	0915	--	253	7.7	10.5	30	25	13.5	9.5	85	1.4
MAR 14...	1100	870	206	7.3	19.5	80	60	13.0	7.8	86	0.7
MAY 31...	1505	--	206	7.4	22.5	80	42	15.5	6.7	78	1.2
AUG 08...	1215	--	226	7.6	28.0	30	21	14.5	6.0	77	1.2

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

MOBILE RIVER BASIN--Continued

02441000 - TIBBEE CREEK NR TIBBEE, MS--Continued

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./100 ML) (31625)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNESIUM, DIS-SOLVED (MG/L AS MG) (00925)	ALKALINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUORIDE, DIS-SOLVED (MG/L AS F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (MG/L) (00530)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)
NOV 30...	K230	39	2.6	85	24	8.4	0.20	152	37	0.060
MAR 14...	190	32	2.1	73	16	4.5	0.09	114	92	0.070
MAY 31...	380	34	1.9	82	13	7.5	0.20	123	68	0.210
AUG 08...	170	37	2.1	90	14	7.0	0.20	132	77	0.440
DATE	NITROGEN, AMMONIA DIS-SOLVED (MG/L AS N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N) (00623)	PHOSPHORUS TOTAL (MG/L AS P) (00665)	PHOSPHORUS DIS-SOLVED (MG/L AS P) (00666)	IRON, TOTAL RECOVERABLE (UG/L AS FE) (01045)	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN) (01055)	PHENOLS TOTAL (UG/L) (32730)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)	CHLOROPHYTON CHROMO FLUOROM (UG/L) (70953)	CHLOROPHYTON CHROMO FLUOROM (UG/L) (70954)
NOV 30...	0.010	0.35	0.110	0.020	1100	110	<1	--	1.50	0.100
MAR 14...	0.010	0.33	0.120	0.020	3900	140	<1	--	3.30	0.400
MAY 31...	0.020	0.25	0.100	0.020	2200	100	<1	--	2.00	0.200
AUG 08...	0.050	0.52	0.120	0.040	1800	180	<1	0.07	6.70	1.20

02441400 - TOMBIGBEE RIVER NR COLUMBUS, MS

								OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION)	
DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)			
NOV									
30...	1446	1.00	119	7.5	11.0	11.0	99		
30...	1447	5.00	119	7.4	10.5	10.9	97		
30...	1448	10.0	117	7.4	10.5	10.9	97		
30...	1449	13.0	117	7.4	10.5	10.9	97		
MAR									
15...	0911	1.00	103	7.2	18.0	10.8	115		
15...	0912	5.00	103	7.2	18.0	10.9	116		
15...	0913	10.0	102	7.2	18.0	11.0	117		
15...	0914	15.0	102	7.2	18.0	11.0	117		
JUN									
01...	0916	1.00	73	6.8	22.5	9.2	107		
01...	0917	5.00	73	6.8	22.5	9.2	107		
01...	0918	10.0	72	6.8	22.5	9.2	107		
01...	0919	15.0	72	6.8	22.5	9.2	107		
01...	0920	18.0	71	6.8	22.5	9.3	108		
AUG									
09...	0901	1.00	210	7.5	27.5	7.6	97		
09...	0902	5.00	201	7.5	27.5	7.3	93		
09...	0903	10.0	201	7.5	27.5	7.2	92		
09...	0904	14.0	201	7.5	27.5	7.3	93		
DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	TUR- BID- ITY (NTU) (00076)	TRANS- PAR- ENCY (SECCHI DISK) (IN) (00077)	OXYGEN DEMAND, BIO- CHEM- ICAL, UM-MF 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)
NOV									
30...	1445	3310	60	28	13.5	2.0	120	14	1.3
MAR									
15...	0910	15800	60	33	10.5	0.9	110	14	1.1
JUN									
01...	0915	4800	80	50	10.3	1.5	140	9.3	0.90
AUG									
09...	0900	702	10	5.4	24.5	1.2	K5	23	1.7

WATER-QUALITY DATA FOR PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

MOBILE RIVER BASIN--Continued

02441400

- TOMBIGBEE RIVER NR COLUMBUS, MS--Continued

DATE	ALKA- LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (MG/L) (00530)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N) (00623)
NOV 30...	28	9.6	8.4	0.50	71	30	1.60	0.050	0.49
MAR 15...	29	7.5	4.7	0.06	61	45	0.200	0.050	0.32
JUN 01...	18	5.2	6.5	<0.10	50	54	0.250	0.040	0.27
AUG 09...	43	14	24	<0.10	121	14	0.020	0.010	0.73

DATE	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE) (01045)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN) (01055)	PHENOLS TOTAL (UG/L) (32730)	METHY- LENE BLUE ACTIVE SUB- STANCE (MG/L) (38260)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70953)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L) (70954)
NOV 30...	0.120	0.060	1500	130	<1	--	1.30	<0.100
MAR 15...	0.060	0.020	2400	110	<1	--	2.00	0.100
JUN 01...	0.070	<0.020	2500	130	<1	--	0.800	<0.100
AUG 09...	0.060	0.030	540	130	<1	0.05	1.80	0.300

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
APR 09...	1200	4040	27	295
MAY 24...	1330	19400	85	4450

Short-term water-quality studies were conducted on selected stream reaches and estuaries to collect water-quality data for use in hydrologic analysis. Data for estuary studies generally are collected once or twice daily at near high and near low tides.

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

PASCAGOULA RIVER BASIN

PASCAGOULA AND ESCATAWPA RIVERS STUDY

302954088344000 - PASCAGOULA RIVER AT MI 14

02479340

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL						
17...	1731	1.00	102	7.3	28.5	7.7
17...	1732	5.00	102	7.2	28.5	7.6
17...	1733	10.0	102	7.2	28.5	7.3
18...	1001	1.00	90	7.2	28.0	7.0
18...	1002	5.00	90	7.1	28.0	6.9
18...	1003	10.0	90	7.0	28.0	6.7
18...	1004	15.0	90	7.0	28.0	6.8

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCEI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
JUL			
17...	1730	K20	>2000
18...	1000	K17	>2000

02479341

- PASCAGOULA RIVER AT MI 13 NR COLL TOWN, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL						
17...	1725	1.00	105	7.7	28.5	7.9
17...	1726	5.00	106	7.5	28.5	7.7
17...	1727	10.0	108	7.5	28.5	7.3
18...	0950	1.00	107	7.4	28.0	7.2
18...	0951	5.00	415	7.3	28.0	6.8
18...	0952	10.0	13900	7.0	28.0	3.4
18...	0953	15.0	24000	7.0	28.5	0.8

02479342

- PASCAGOULA RIVER AT MI 12 NR COLL TOWN, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL						
17...	1715	1.00	912	7.7	28.5	7.6
17...	1716	5.00	950	7.6	28.5	7.6
17...	1717	10.0	8000	7.2	28.5	5.0
17...	1718	15.0	24400	7.1	28.5	1.0
17...	1719	20.0	26100	7.2	29.0	0.4
17...	1720	25.0	27600	7.2	29.0	0.3
17...	1721	27.0	27700	7.2	29.0	0.2
18...	0935	1.00	537	7.4	27.5	7.6
18...	0936	5.00	675	7.3	28.0	7.6
18...	0937	10.0	19000	7.1	28.5	3.1
18...	0938	15.0	24300	7.1	28.5	1.6
18...	0939	20.0	27100	7.1	28.5	0.6
18...	0940	25.0	27400	7.2	29.0	0.4
18...	0941	30.0	28000	7.2	29.0	0.3
18...	0942	34.0	28000	7.2	29.0	0.2

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
 WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
 PASCAGOULA RIVER BASIN--Continued
 PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

302822088332500 - PASCAGOULA RIVER AT MI 11

02479342

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL						
17...	1700	1.00	1400	7.4	28.5	7.8
17...	1701	5.00	1780	7.3	28.5	7.6
17...	1702	10.0	7140	7.1	28.5	4.9
17...	1703	15.0	26600	7.1	29.0	0.8
17...	1704	20.0	28800	7.2	29.0	0.3
17...	1705	25.0	29200	7.2	29.0	0.3
17...	1706	28.0	30000	7.2	29.0	0.2
18...	0920	1.00	1180	7.4	28.0	7.7
18...	0921	5.00	2800	7.2	28.0	6.7
18...	0922	10.0	20900	7.1	28.5	3.2
18...	0923	15.0	25300	7.2	28.5	1.6
18...	0924	20.0	27300	7.2	28.5	0.7
18...	0925	25.0	28400	7.2	28.5	0.4
18...	0926	30.0	29400	7.3	28.5	0.3
18...	0927	32.0	29800	7.3	28.5	0.2

302725088333700 - PASCAGOULA RIVER AT MI 10

02479342

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL						
17...	1655	1.00	2370	7.7	28.5	7.6
17...	1656	5.00	2870	7.5	28.5	7.2
17...	1657	10.0	10200	7.2	28.5	5.0
17...	1658	15.0	27500	7.2	29.0	0.6
17...	1659	20.0	30000	7.2	29.0	0.3
18...	0910	1.00	1560	7.5	28.0	7.9
18...	0911	5.00	4460	7.2	28.0	6.9
18...	0912	10.0	23200	7.3	28.0	3.7
18...	0913	15.0	27200	7.3	28.0	1.9
18...	0914	20.0	27800	7.3	28.0	1.6
18...	0915	21.0	27800	7.3	28.0	1.6

302648088340600 - PASCAGOULA RIVER AT MI 9

02479342

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL						
17...	1645	1.00	3210	7.6	28.5	7.7
17...	1646	5.00	3310	7.5	28.5	7.7
17...	1647	10.0	7750	7.3	28.5	5.9
17...	1648	15.0	25800	7.1	28.5	1.2
17...	1649	20.0	30300	7.2	28.5	0.7
17...	1650	25.0	34700	7.3	28.5	0.3
18...	0900	1.00	2100	7.4	27.5	7.9
18...	0901	5.00	2120	7.4	27.5	7.7
18...	0902	10.0	26000	7.4	27.5	4.6
18...	0903	15.0	32400	7.4	27.5	2.3
18...	0904	20.0	33100	7.4	27.5	1.6
18...	0905	25.0	33500	7.4	27.5	2.1
18...	0906	30.0	34700	7.4	28.0	0.8

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

221

PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

02479343 - PASCAGOULA RIVER AT MI 8 NR ESCATAWPA, MS

		DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)			
JUL											
		17...	1631	1.00	3400	7.3	28.5	8.1			
		17...	1632	5.00	4000	7.3	28.5	7.2			
		17...	1633	10.0	22500	6.5	28.5	1.9			
		17...	1634	15.0	29000	7.3	28.5	1.0			
		17...	1635	18.0	30000	7.3	28.5	0.8			
		18...	0846	1.00	2730	7.5	27.5	8.2			
		18...	0847	5.00	14000	7.2	28.0	4.8			
		18...	0848	10.0	30000	7.6	27.5	3.9			
		18...	0849	15.0	34200	7.7	27.5	2.9			
		18...	0850	20.0	36600	7.7	27.5	2.3			
		18...	0851	21.0	36600	7.7	27.5	2.3			
DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JUL											
17...	1630	--	K110	>3300	0.020	<0.100	0.200	0.70	0.040	0.020	6.2
18...	0845	2.2	K57	>3300	0.020	<0.100	0.150	0.35	0.050	0.030	4.7

302526088333600 - PASCAGOULA RIVER AT MI 7

02479343

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL						
17...	1620	1.00	4950	7.4	28.5	7.6
17...	1621	5.00	6870	7.4	28.5	7.0
17...	1622	10.0	13200	7.2	28.5	2.5
18...	0830	1.00	8200	7.4	27.0	7.1
18...	0831	5.00	14600	7.4	27.0	6.4
18...	0832	10.0	37800	7.8	27.0	3.6
18...	0833	15.0	39200	7.8	27.5	2.6

02480181 - ESCATAWPA RIVER NR ORANGE GROVE, MS.

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL						
18...	1046	1.00	44	6.8	26.5	6.5
18...	1047	5.00	44	6.6	26.5	5.9
18...	1048	10.0	44	6.6	26.5	5.8
18...	1049	15.0	45	6.5	26.5	5.7
18...	1050	20.0	43	6.4	26.5	5.6

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
------	------	---	---

JUL
18... 1045 150 K51

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
 WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
 PASCAGOULA RIVER BASIN--Continued
 PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

02480182 - ESCATAWPA RIVER AT MI 10 NR MOSS POINT, MS.

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL						
17...	1901	1.00	42	6.5	26.5	6.7
17...	1902	5.00	41	6.4	26.5	6.2
17...	1903	10.0	41	6.4	26.5	6.1
17...	1904	15.0	41	6.3	26.5	6.0
18...	1040	1.00	198	7.2	26.5	6.2
18...	1041	5.00	206	6.9	26.5	5.8
18...	1042	10.0	208	6.7	26.5	5.6
18...	1043	15.0	208	6.6	26.5	5.6

DATE	TIME	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
JUL			
17...	1900	150	K63

02480183 - ESCATAWPA RIVER AT MI 9 NR MOSS POINT, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL						
17...	1840	1.00	96	6.9	26.5	6.5
17...	1841	5.00	99	6.7	27.0	5.9
17...	1842	10.0	100	6.6	27.0	5.9
17...	1843	12.0	100	6.6	27.0	5.9
18...	1020	1.00	38	7.6	26.5	6.4
18...	1021	5.00	548	7.2	26.5	5.7
18...	1022	10.0	1450	6.8	27.0	5.3
18...	1023	15.0	5200	6.6	27.0	4.3
18...	1024	20.0	5970	6.6	27.5	4.0

02480184 - ESCATAWPA RIVER AT MI 8 NR MOSS POINT, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL						
17...	1820	1.00	403	7.3	27.0	6.3
17...	1821	5.00	400	7.1	27.0	5.9
17...	1822	10.0	411	7.0	27.0	5.8
17...	1823	15.0	460	6.8	27.0	5.8
17...	1824	16.0	460	6.8	27.0	5.8
18...	1015	1.00	4760	7.1	27.0	5.7
18...	1016	5.00	5200	7.0	27.0	4.9
18...	1017	10.0	10800	6.9	27.5	3.1
18...	1018	15.0	17100	6.8	28.0	1.4

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

302541088290100 - ESCATAWPA RIVER AT MI 7

02480205

		SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)			
JUL									
	17...	1801	1.00	2620	7.4	27.5	5.2		
	17...	1802	5.00	2670	7.0	27.5	5.2		
	17...	1803	10.0	2660	6.9	27.5	5.1		
	17...	1804	15.0	2830	6.8	27.5	5.1		
	17...	1805	20.0	11900	6.4	27.5	3.0		
	17...	1806	25.0	18100	6.6	28.0	1.8		
	17...	1807	30.0	27400	6.6	28.5	0.3		
	17...	1808	35.0	27500	7.0	28.5	0.1		
	18...	1001	1.00	7020	7.5	27.0	5.6		
	18...	1002	5.00	7230	7.3	27.0	4.5		
	18...	1003	10.0	15000	7.1	28.0	2.4		
	18...	1004	15.0	22000	7.0	28.0	1.0		
	18...	1005	20.0	24200	7.0	28.0	0.2		
	18...	1006	25.0	24300	7.1	28.5	0.3		
	18...	1007	30.0	24700	7.1	28.5	0.2		
	18...	1008	35.0	27300	7.1	29.0	0.1		
OXYGEN									
DATE		TIME	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JUL									
	17...	1800	--	<0.010	0.100	0.160	0.34	0.030	0.010
	18...	1000	1.8	<0.010	<0.100	0.320	0.48	0.090	0.040
									5.9
									7.1

302512088292200 - ESCATAWPA RIVER AT MI 6

02480205

DATE	TIME	SAM-	SPE-	PH	TEMPER-	OXYGEN,
		PLING	CIFIC			
		DEPTH	DUCT-	(STAND-	WATER	SOLVED
		(FEET)	ANCE	ARD	(DEG C)	(MG/L)
		(00003)	(US/CM)	UNITS)	(00010)	(00300)
JUL						
17...	1750	1.00	5060	7.4	27.5	5.0
17...	1751	5.00	5560	7.2	27.5	4.5
17...	1752	10.0	6100	7.2	27.5	4.3
17...	1753	15.0	13700	7.0	28.0	1.8
17...	1754	16.0	13700	7.0	28.0	1.8
18...	0950	1.00	8340	7.5	27.5	4.6
18...	0951	5.00	9280	7.4	27.5	3.8
18...	0952	10.0	17000	7.2	27.5	2.5
18...	0953	15.0	25600	7.2	28.0	1.0
18...	0954	20.0	27000	7.2	28.0	0.3

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
 WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
 PASCAGOULA RIVER BASIN--Continued
 PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

302515088301300 - ESCATAWPA RIVER AT MI 5

02480205

		SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)			
JUL									
	17...	1741	1.00	7610	7.5	27.5	4.2		
	17...	1742	5.00	7720	7.3	28.0	4.1		
	17...	1743	10.0	8470	7.5	28.0	3.8		
	17...	1744	15.0	14900	7.0	28.0	1.7		
	17...	1745	20.0	32800	7.2	28.5	0.1		
	17...	1746	25.0	34000	7.2	28.5	0.1		
	17...	1747	27.0	34000	7.3	28.5	0.1		
	18...	0936	1.00	9470	7.6	27.0	4.7		
	18...	0937	5.00	12600	7.3	27.5	3.0		
	18...	0938	10.0	19900	7.2	28.0	2.0		
	18...	0939	15.0	26500	7.2	28.0	1.2		
	18...	0940	20.0	27900	7.2	28.0	1.0		
	18...	0941	25.0	31200	7.2	28.0	0.1		
	18...	0942	30.0	34300	7.3	28.5	0.1		
	18...	0943	31.0	34500	7.3	28.5	0		
DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	NITRO- GEN, NITRITE TOTAL (MG/L) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L) (00605)	PHOS- PHORUS TOTAL (MG/L) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L) (70507)	CARBON, ORGANIC TOTAL (MG/L) (00680)
JUL									
	17...	1740	--	<0.010	0.200	0.130	0.37	0.030	<0.010
	18...	0935	1.3	0.020	<0.100	0.300	0.40	0.090	0.060

302528088304400 - ESCATAWPA RIVER AT MI 4

02480205

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL						
17...	1730	1.00	8850	7.5	28.0	4.5
17...	1731	5.00	8980	7.4	28.0	4.2
17...	1732	10.0	10200	7.3	28.0	3.7
17...	1733	15.0	30100	7.1	28.0	0.4
17...	1734	20.0	33800	7.3	28.5	0.1
17...	1735	25.0	35800	7.4	28.5	0.1
18...	0925	1.00	10400	7.5	27.5	4.2
18...	0926	5.00	15100	7.4	28.0	3.3
18...	0927	10.0	25400	7.3	28.0	1.9
18...	0928	15.0	28500	7.4	28.0	1.4
18...	0929	20.0	29900	7.4	28.0	1.1
18...	0930	25.0	30100	7.4	28.0	1.5
18...	0931	30.0	30400	7.4	28.0	1.1

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
PASCAGOULA RIVER BASIN--Continued
PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

225

302455088313100 - ESCATAWPA RIVER AT MI 3

02480206

		SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)			
JUL									
	17...	1716	1.00	10500	7.5	28.0	4.6		
	17...	1717	5.00	10200	7.5	28.0	4.1		
	17...	1718	10.0	10500	7.4	28.0	3.8		
	17...	1719	15.0	13300	7.3	28.0	3.0		
	17...	1720	20.0	28500	7.2	28.0	0.4		
	18...	0911	1.00	10000	7.6	27.0	4.8		
	18...	0912	5.00	17800	7.4	28.0	1.4		
	18...	0913	10.0	30200	7.4	28.0	0.8		
	18...	0914	15.0	31600	7.4	28.0	0.6		
	18...	0915	20.0	32800	7.4	28.0	0.2		
		OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JUL									
	17...	1715	--	<0.010	0.230	0.47	0.070	0.040	7.5
	18...	0910	1.9	0.020	<0.100	0.300	0.40	0.080	0.060
									5.7

302459088320800 - ESCATAWPA RIVER AT MI 2

02480206

DATE	TIME	SAM-	SPE-	PH	TEMPER-	OXYGEN,
		PLING	CIFIC			
		DEPTH	DUCT-	(STAND-	WATER	SOLVED
		(FEET)	ANCE	ARD	(DEG C)	(MG/L)
		(00003)	(US/CM)	UNITS)	(00010)	(00300)
JUL						
17...	1700	1.00	10500	7.8	28.0	5.4
17...	1701	5.00	10700	7.6	28.0	4.5
17...	1702	10.0	12800	7.5	28.0	3.4
17...	1703	15.0	28700	7.4	28.5	0.2
17...	1704	20.0	37300	7.4	28.5	0.2
17...	1705	25.0	39300	7.5	28.0	0.2
17...	1706	30.0	41100	7.6	28.0	0.1
18...	0900	1.00	10100	7.7	27.5	4.8
18...	0901	5.00	16100	7.4	27.5	3.2
18...	0902	10.0	30200	7.4	27.5	2.0
18...	0903	15.0	34400	7.6	27.5	1.8
18...	0904	20.0	35600	7.6	27.5	1.8
18...	0905	25.0	35800	7.6	27.5	1.8
18...	0906	30.0	37000	7.6	27.5	1.3

02480207

- ESCATAWPA RIVER AT MOSS POINT, MS

DATE	TIME	SAM-	SPE-	PH	TEMPER-	OXYGEN,
		PLING	CIFIC			
		DEPTH	DUCT-	(STAND-	WATER	SOLVED
		(FEET)	ANCE	ARD	(DEG C)	(MG/L)
		(00003)	(US/CM)	UNITS)	(00010)	(00300)
JUL						
17...	1641	1.00	8240	7.8	28.0	6.4
17...	1642	5.00	9020	7.7	28.0	5.0
17...	1643	10.0	13600	7.5	28.0	3.1
17...	1644	15.0	29400	7.4	28.0	0.2
17...	1645	20.0	36300	7.4	28.0	0.1
18...	0851	1.00	9720	7.8	26.5	5.7
18...	0852	5.00	17400	7.5	27.0	4.2
18...	0853	10.0	32300	7.6	27.5	2.0
18...	0854	15.0	39100	7.7	27.5	1.8
18...	0855	20.0	37100	7.6	27.5	1.8

02480207 - ESCATAWPA RIVER AT MOSS POINT, MS--Continued												
DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOC- CI, FECAL, KF AGAR (COLS. PER 100 ML) (31673)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	
JUL 17...	1640	--	K87	610	0.010	<0.100	0.250	0.45	0.070	0.050	8.9	
JUL 18...	0850	1.5	K96	K39	0.030	<0.100	0.180	0.42	0.090	0.060	6.7	
DATE	TIME	TUR- BID- ITY (NTU) (00076)	HARD- NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	
JUL 17...	1640	2.3	2100	150	420	3100	75	140	1100	6300	12400	
DATE	TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE) (01012)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD) (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR) (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU) (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB) (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG) (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI) (01067)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE) (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN) (01092)	
JUL 17...	45	1	<10	<1	<1	12	<1	0.30	2	<1	60	
DATE	TIME	ACE- NAPHTH- ENE TOTAL (UG/L) (34205)	ACE- NAPHTH- YLENE TOTAL (UG/L) (34200)	ANTHRA- CENE TOTAL (UG/L) (34220)	BENZO A ANTHRAC- ENE 1,2- BENZANTH- HRACENE TOTAL (UG/L) (34526)	BENZO B FLUOR- AN- THENE TOTAL (UG/L) (34230)	BENZO K FLUOR- AN- THENE TOTAL (UG/L) (34242)	BENZOGH I PERYL ENE 1,2- BENZOP- ERYLENE TOTAL (UG/L) (34521)	BENZO- A- PYRENE TOTAL (UG/L) (34247)	4- BROMO- PHENYL ETHER TOTAL (UG/L) (34636)	N-BUTYL BENZYL PHTHAL- ATE TOTAL (UG/L) (34292)	BIS (2- CHLORO- ETHOXY) METHANE TOTAL (UG/L) (34278)
JUL 17...	<5.0	<5.0	<5.0	<10.0	<10.0	<10.0	<10.0	<10.0	<5.0	<5.0	<5.0	
DATE	TIME	BIS 2- CHLORO- ETHYL ETHER TOTAL (UG/L) (34273)	BIS (2- CHLORO- ISO- PROPYL) ETHER TOTAL (UG/L) (34283)	2- CHLORO- NAPH- THALENE TOTAL (UG/L) (34581)	4- CHLORO- PHENYL ETHER TOTAL (UG/L) (34641)	1,2,5,6 -DIBENZ- -ANTHRA- -CENE TOTAL (UG/L) (34320)	1,2-DI- CHLORO- BENZENE TOTAL (UG/L) (34536)	1,3-DI- CHLORO- BENZENE TOTAL (UG/L) (34566)	1,4-DI- CHLORO- BENZENE TOTAL (UG/L) (34571)	DIETHYL PHTHAL- ATE TOTAL (UG/L) (34336)	DI- METHYL PHTHAL- ATE TOTAL (UG/L) (34341)	
JUL 17...	<5.0	<5.0	<5.0	<5.0	<10.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	
DATE	TIME	DI-N- BUTYL PHTHAL- ATE TOTAL (UG/L) (39110)	2,4-DI- NITRO- TOLUENE TOTAL (UG/L) (34611)	2,6-DI- NITRO- TOLUENE TOTAL (UG/L) (34626)	DI-N- OCTYL PHTHAL- ATE TOTAL (UG/L) (34596)	BIS (2- ETHYL HEXYL) PHTHAL- ATE TOTAL (UG/L) (39100)	FLUOR- ANTHENE TOTAL (UG/L) (34376)	FLUOR- ENE TOTAL (UG/L) (34381)	HEXA- CHLORO- BENZENE TOTAL (UG/L) (39700)	HEXA- CHLORO- BUT- ADIENE TOTAL (UG/L) (39702)	HEXA- CHLORO- CYCLO- PENT- ADIENE TOTAL (UG/L) (34386)	HEXA- CHLORO- ETHANE TOTAL (UG/L) (34396)
JUL 17...	<5.0	<5.0	<5.0	<10.0	6.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	
DATE	TIME	INDENO (1,2,3- CD) PYRENE TOTAL (UG/L) (34403)	ISO- PHORONE TOTAL (UG/L) (34408)	NAPHTH- ALENE TOTAL (UG/L) (34696)	NITRO- BENZENE TOTAL (UG/L) (34447)	N-NITRO -SODI- METHY- LAMINE TOTAL (UG/L) (34438)	N-NITRO -SODI- PHENY- LAMINE TOTAL (UG/L) (34433)	N- NITRO- SODI-N- PROPYL- AMINE TOTAL (UG/L) (34428)	PHENAN- THRENE TOTAL (UG/L) (34461)	PYRENE TOTAL (UG/L) (34469)	1,2,4- TRI- CHLORO- BENZENE TOTAL (UG/L) (34551)	2- CHLORO- PHENOL TOTAL (UG/L) (34586)
JUL 17...	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

227

PASCAGOULA RIVER BASIN--Continued
PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

02480207 - ESCATAWPA RIVER AT MOSS POINT, MS--Continued

DATE	2,4-DI- CHLORO- PHENOL TOTAL (UG/L) (34601)	2,4-DI- METHYL- PHENOL TOTAL (UG/L) (34606)	4,6- DINITRO- -ORTHO- CRESOL TOTAL (UG/L) (34657)	2,4,- DI- NITRO- PHENOL TOTAL (UG/L) (34616)	2- NITRO- PHENOL TOTAL (UG/L) (34591)	4- NITRO- PHENOL TOTAL (UG/L) (34646)	PARA- CHLORO- META CRESOL TOTAL (UG/L) (34452)	PENTA- CHLORO- PHENOL TOTAL (UG/L) (39032)	PHENOL (C6H- 5OH) TOTAL (UG/L) (34694)	2,4,6- TRI- CHLORO- PHENOL TOTAL (UG/L) (34621)
JUL 17...	<5.0	<5.0	<30.0	<20.0	<5.0	<30.0	<30.0	<30.0	<5.0	<20.0

02480208 - ESCATAWPA RIVER AT MI 0 NR ESCATAWPA, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL						
17...	1620	1.00	9000	8.6	28.0	7.4
17...	1621	5.00	9710	8.4	28.0	6.1
17...	1622	10.0	14700	8.0	28.0	3.0
17...	1623	15.0	31100	8.1	28.0	0.5
17...	1624	20.0	33600	7.8	28.0	0.3
17...	1625	25.0	34100	7.7	28.0	0.3
17...	1626	27.0	34100	7.7	28.0	0.3
18...	0830	1.00	9200	7.9	26.5	6.4
18...	0831	5.00	24800	7.8	27.0	4.5
18...	0832	10.0	36700	7.8	27.0	3.3
18...	0833	15.0	36700	7.8	27.0	3.0
18...	0834	20.0	39000	7.8	27.0	2.4
18...	0835	25.0	39300	7.8	27.5	2.3
18...	0836	30.0	39400	7.8	27.5	2.2

302507088342800 - PASCAGOULA RIVER AT MI 6

02480208

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL						
17...	1606	1.00	8050	7.4	28.5	6.6
17...	1607	5.00	8770	7.3	28.5	5.9
17...	1608	10.0	24700	7.3	28.0	2.6
17...	1609	13.0	28700	7.3	28.0	1.4
18...	0821	1.00	17400	7.4	26.0	5.3
18...	0822	5.00	32000	7.8	27.0	4.6
18...	0823	10.0	40800	7.8	27.0	3.5
18...	0824	15.0	41000	7.8	27.0	2.7

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	NITRO- GEN, NITRITE TOTAL (MG/L) AS N (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L) AS N (00605)	PHOS- PHORUS TOTAL (MG/L) AS P (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L) AS P (70507)	CARBON, ORGANIC TOTAL (MG/L) AS C (00680)
JUL									
17...	1605	--	0.020	<0.100	0.190	0.71	0.100	0.040	9.0
18...	0820	2.1	0.020	<0.100	0.130	0.37	0.060	0.040	4.7

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
 WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
 PASCAGOULA RIVER BASIN--Continued
 PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

302430088350400 - PASCAGOULA RIVER AT MI 5

02480208

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL						
17...	1600	1.00	10200	7.5	28.5	6.5
17...	1601	5.00	14000	7.3	28.0	4.8
17...	1602	10.0	28900	7.4	28.0	2.0
17...	1603	14.0	35900	7.3	27.5	1.3
18...	0815	1.00	22400	7.7	26.5	6.0
18...	0816	5.00	37100	7.9	27.0	4.6
18...	0817	10.0	40400	7.8	27.0	2.9
18...	0818	12.0	42000	7.8	27.0	2.3

302345088343800 - PASCAGOULA RIVER AT MI 4

02480208

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL						
17...	1546	1.00	10700	7.5	28.0	6.2
17...	1547	5.00	15500	7.4	28.0	4.1
17...	1548	10.0	22900	7.4	28.0	3.5
17...	1549	15.0	34000	7.6	28.0	1.9
18...	0806	1.00	29200	7.9	26.5	5.8
18...	0807	5.00	36800	7.9	27.0	5.1
18...	0808	10.0	38300	7.9	27.0	4.6
18...	0809	15.0	41400	7.9	27.0	3.3
18...	0810	17.0	42400	7.9	27.0	2.9

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	NITRO- GEN, NITRITE TOTAL (MG/L) AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L) AS N) (00605)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS TOTAL (MG/L) AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
JUL									
17...	1545	--	0.020	<0.100	0.170	0.43	0.050	0.030	5.6
18...	0805	2.1	0.010	<0.100	0.090	0.41	0.070	0.040	5.1

302319088335400 - PASCAGOULA RIVER AT MI 3

02480209

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
JUL						
17...	1530	1.00	14600	7.5	28.0	5.6
17...	1531	5.00	15400	7.5	28.0	5.5
17...	1532	10.0	19600	7.5	28.0	4.2
17...	1533	15.0	29000	7.5	28.0	2.9
17...	1534	20.0	35000	7.6	27.5	2.1
17...	1535	25.0	36800	7.7	27.5	1.7
17...	1536	30.0	39900	7.7	27.5	2.0
17...	1537	35.0	42000	7.7	27.0	1.2
17...	1538	40.0	43800	7.8	27.0	0.8
18...	0750	1.00	36800	8.0	27.0	5.8
18...	0751	5.00	38000	8.0	27.0	5.2
18...	0752	10.0	38500	8.0	27.0	4.6
18...	0753	15.0	42700	7.9	27.0	3.0
18...	0754	20.0	43500	7.9	27.0	2.5
18...	0755	25.0	44600	7.9	27.0	2.2
18...	0756	30.0	45000	7.9	27.0	2.1
18...	0757	35.0	44400	7.9	27.0	2.1
18...	0758	40.0	44800	7.9	27.0	2.0
18...	0759	45.0	44800	7.9	27.0	2.0
18...	0800	48.0	44800	7.8	27.0	1.9

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

02480210 - PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MS

		DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)				
JUL												
		17...	1501	1.00	17700	7.6	28.0	5.6				
		17...	1502	5.00	18500	7.6	28.0	5.3				
		17...	1503	10.0	19300	7.5	28.0	5.2				
		17...	1504	15.0	27000	7.7	27.5	4.0				
		17...	1505	20.0	35200	7.7	27.5	2.5				
		17...	1506	23.0	35700	7.8	27.5	2.4				
		18...	0741	1.00	37000	8.0	27.0	6.1				
		18...	0742	5.00	36500	8.1	27.0	5.6				
		18...	0743	10.0	38400	8.0	27.5	4.7				
		18...	0744	15.0	42000	8.0	27.0	3.5				
		18...	0745	20.0	44500	7.9	27.0	2.1				
		18...	0746	25.0	46100	7.9	26.5	1.6				
		18...	0747	27.0	47100	7.8	26.5	1.2				
DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOC- FECAL, KF AGAR (COLS. PER 100 ML) (31673)	NITRO- GEN, NITRITE TOTAL (MG/L) AS N (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L) AS N (00605)	PHOS- PHORUS TOTAL (MG/L) AS P (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L) AS P (70507)	CARBON, ORGANIC TOTAL (MG/L) AS C (00680)	
JUL	17...	1500	--	K15	710	0.020	<0.100	0.090	0.31	0.050	0.020	5.2
	18...	0740	1.6	K26	230	0.020	<0.100	0.160	0.34	0.060	0.050	2.7
DATE	TIME	TUR- BID- ITY (NTU) (00076)	HARD- NESS TOTAL (MG/L) AS CACO3 (00900)	CALCIUM DIS- SOLVED (MG/L) AS CA (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L) AS MG (00925)	SODIUM, DIS- SOLVED (MG/L) AS NA (00930)	SODIUM PERCENT (00932)	POTAS- SIUM, DIS- SOLVED (MG/L) AS K (00935)	SULFATE DIS- SOLVED (MG/L) AS SO4 (00945)	CHLO- RIDE, DIS- SOLVED (MG/L) AS CL (00940)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)	
JUL	17...	1500	3.6	3000	220	590	4300	74	180	1400	7100	16100
DATE	TIME	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDE (MG/L) (00530)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L) AS BE (01012)	CADMIUM TOTAL RECOV- ERABLE (UG/L) AS CD (01027)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L) AS CR (01034)	COPPER, TOTAL RECOV- ERABLE (UG/L) AS CU (01042)	LEAD, TOTAL RECOV- ERABLE (UG/L) AS PB (01051)	MERCURY TOTAL RECOV- ERABLE (UG/L) AS HG (71900)	NICKEL, TOTAL RECOV- ERABLE (UG/L) AS NI (01067)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L) AS SE (01147)	ZINC, TOTAL RECOV- ERABLE (UG/L) AS ZN (01092)	
JUL	17...	33	1	<10	<1	<3	2	<1	<0.10	<1	<1	20
DATE	TIME	ACE- NAPHTH- ENE TOTAL (UG/L) (34205)	ACE- NAPHTH- YLENE TOTAL (UG/L) (34200)	ANTHRA- CENE TOTAL (UG/L) (34220)	BENZO A ANTHRAC- ENE1,2- BENZANT HRACENE TOTAL (UG/L) (34526)	BENZO B FLUOR- AN- THENE TOTAL (UG/L) (34230)	BENZO K FLUOR- AN- THENE TOTAL (UG/L) (34242)	BENZOGH I PERYL ENE1,12 -BENZOP ERYLENE TOTAL (UG/L) (34521)	BENZO- A- PYRENE TOTAL (UG/L) (34247)	4- BROMO- PHENYL ETHER TOTAL (UG/L) (34636)	N-BUTYL BENZYL PHTHAL- ATE TOTAL (UG/L) (34292)	BIS (2- CHLORO- ETHOXY) METHANE TOTAL (UG/L) (34278)
JUL	17...	<5.0	<5.0	<5.0	<10.0	<10.0	<10.0	<10.0	<10.0	<5.0	<5.0	<5.0
DATE	TIME	BIS 2- CHLORO- ETHYL ETHER TOTAL (UG/L) (34273)	BIS (2- CHLORO- ISO- PROPYL) ETHER TOTAL (UG/L) (34283)	2- CHLORO- NAPH- THALENE TOTAL (UG/L) (34581)	4- CHLORO- PHENYL ETHER TOTAL (UG/L) (34641)	1,2,5,6 -DIBENZ -ANTHRA- -CENE TOTAL (UG/L) (34320)	1,2-DI- CHLORO- BENZENE TOTAL (UG/L) (34536)	1,3-DI- CHLORO- BENZENE TOTAL (UG/L) (34566)	1,4-DI- CHLORO- BENZENE TOTAL (UG/L) (34571)	DIETHYL PHTHAL- ATE TOTAL (UG/L) (34336)	DI- METHYL PHTHAL- ATE TOTAL (UG/L) (34341)	
JUL	17...	<5.0	<5.0	<5.0	<5.0	<10.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

PASCAGOULA RIVER BASIN--Continued

PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

02480210 - PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MS--Continued

DATE	DI-N-BUTYL-PHTHALATE	2,4-DI-NITRO-TOLUENE	2,6-DI-NITRO-TOLUENE	DI-N-OCTYL-PHTHALATE	BIS(2-ETHYL-HEXYL)-PHTHALATE	FLUOR-ANTHENE	FLUOR-ENE	HEXA-CHLORO-BENZENE	HEXA-CHLORO-BUTADIENE	HEXA-CHLORO-CYCLO-PENTADIENE	HEXA-CHLORO-ETHANE
	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
	(UG/L) (39110)	(UG/L) (34611)	(UG/L) (34626)	(UG/L) (34596)	(UG/L) (39100)	(UG/L) (34376)	(UG/L) (34381)	(UG/L) (39700)	(UG/L) (39702)	(UG/L) (34386)	(UG/L) (34396)
JUL 17...	<5.0	<5.0	<5.0	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DATE	INDENO(1,2,3-CD)PYRENE	ISO-PHORONE	NAPHTH-ALENE	NITRO-BENZENE	N-NITRO-SODI-METHY-LAMINE	N-NITRO-SODI-PHENY-LAMINE	N-NITRO-SODI-PROPYL-AMINE	PHENAN-THRENE	PYRENE	1,2,4-TRI-CHLORO-BENZENE	2-CHLORO-PHENOL
	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
	(UG/L) (34403)	(UG/L) (34408)	(UG/L) (34696)	(UG/L) (34447)	(UG/L) (34438)	(UG/L) (34433)	(UG/L) (34428)	(UG/L) (34461)	(UG/L) (34469)	(UG/L) (34551)	(UG/L) (34586)
JUL 17...	<10.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
DATE	2,4-DI-CHLORO-PHENOL	2,4-DI-METHYL-PHENOL	4,6-DINITRO-ORTHOCRESOL	2,4-DI-NITRO-PHENOL	2-NITRO-PHENOL	4-NITRO-PHENOL	PARA-CHLORO-META-CRESOL	PENTA-CHLORO-PHENOL	PHENOL(C6H-5OH)	2,4,6-TRI-CHLORO-PHENOL	
	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	
	(UG/L) (34601)	(UG/L) (34606)	(UG/L) (34657)	(UG/L) (34616)	(UG/L) (34591)	(UG/L) (34646)	(UG/L) (34452)	(UG/L) (39032)	(UG/L) (34694)	(UG/L) (34621)	
JUL 17...	<5.0	<5.0	<30.0	<20.0	<5.0	<30.0	<30.0	<30.0	<5.0	<20.0	

02480212 - PASCAGOULA RIVER AT MI 1 AT PASCAGOULA, MS

DATE	TIME	SAM-PLING DEPTH (FEET) (00003)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	OXYGEN, DIS-SOLVED (MG/L) (00300)
JUL 17...	1450	1.00	20700	7.7	27.5	5.6
17...	1451	5.00	24500	7.7	27.5	5.1
17...	1452	10.0	32000	7.8	27.5	3.8
17...	1453	15.0	39800	7.8	27.0	2.2
17...	1454	20.0	43100	7.8	27.0	1.3
17...	1455	25.0	46600	7.8	26.5	0.5
17...	1456	30.0	48000	7.8	26.0	0.4
17...	1457	35.0	48600	7.8	26.0	0.3
18...	0730	1.00	35300	8.0	27.0	6.5
18...	0731	5.00	35200	8.1	27.0	6.2
18...	0732	10.0	36000	8.1	27.0	6.1
18...	0733	15.0	38600	8.1	27.5	5.5
18...	0734	20.0	44200	7.9	27.0	3.0
18...	0735	25.0	48000	7.8	26.5	1.4
18...	0736	30.0	48000	7.8	26.5	0.9
18...	0737	35.0	48900	7.8	26.0	0.5
18...	0738	38.0	49200	7.7	26.0	0.3

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
PASCAGOULA RIVER BASIN--Continued
PASCAGOULA AND ESCATAWPA RIVERS STUDY--Continued

231

02480215 - PASCAGOULA RIVER AT MI 0 AT PASCAGOULA, MS

DATE	TIME	SAMPLING DEPTH (FEET) (00003)	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD ARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)			
JUL									
17...	1431	1.00	22000	7.8	27.5	5.8			
17...	1432	5.00	25800	7.8	27.5	5.2			
17...	1433	10.0	32000	8.0	28.0	5.3			
17...	1434	15.0	35900	8.0	28.5	3.9			
17...	1435	20.0	39200	7.9	28.0	2.3			
17...	1436	25.0	45700	7.9	27.0	1.8			
17...	1437	30.0	46400	7.8	26.5	1.0			
17...	1438	34.0	48200	7.8	26.0	0.4			
18...	0701	1.00	34800	8.0	27.0	6.0			
18...	0702	5.00	35100	8.0	27.0	6.1			
18...	0703	10.0	35800	8.1	27.0	6.5			
18...	0704	15.0	40000	8.0	27.5	5.0			
18...	0705	20.0	43700	8.0	27.0	3.4			
18...	0706	25.0	47300	7.8	26.5	1.5			
18...	0707	30.0	48000	7.8	26.5	1.2			
18...	0708	35.0	49000	7.8	26.0	0.6			
18...	0709	37.0	49500	7.7	26.0	0.4			
DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L) (00310)	NITRO- GEN, NITRITE TOTAL (MG/L AS N) (00615)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N) (00605)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JUL									
17...	1430	--	0.030	<0.100	0.150	0.35	0.050	0.040	3.6
18...	0700	1.6	0.020	<0.100	0.120	0.38	0.050	0.040	3.5

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
YAZOO RIVER BASIN
OTOUCALOFA CREEK DRAINAGE BASIN STUDY

07274235 - OTOUCALOFA CREEK NR PARIS, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT								
24...	1825	0.39	75	6.6	16.5	8.0	K12	100
25...	0025	0.24	59	6.6	15.0	8.4	<5	290
25...	0625	0.28	55	7.0	14.0	8.3	K12	160
25...	1220	0.37	72	6.8	15.0	8.7	K15	120
25...	1820	0.37	74	6.8	16.0	8.2	K32	130
26...	0020	0.37	74	6.9	14.0	8.9	K19	110
26...	0620	0.32	75	6.8	13.0	8.8	K7	110
26...	1225	0.37	75	7.0	15.5	9.2	K25	140
26...	1820	0.37	76	6.8	16.0	8.5	<2	120
JUL								
12...	1845	0.92	76	7.4	25.0	5.6	640	3200
12...	2400	0.85	76	7.0	24.0	5.2	140	2300
13...	0600	0.79	79	7.1	23.0	6.9	190	1600
13...	1200	0.72	83	7.1	24.0	7.6	220	1800
13...	1800	0.65	76	7.1	25.5	7.6	140	840
13...	2400	0.58	74	7.1	24.5	6.3	K300	800
14...	0600	0.51	70	7.1	25.0	7.0	210	620
14...	1200	0.44	76	7.1	26.5	7.5	200	300
14...	1800	0.38	76	7.2	25.0	7.7	460	150

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (T/DAY) (80155)
OCT							
24...	0.030	<0.010	0.030	0.010	5.0	10	0.01
25...	0.030	<0.010	0.040	0.020	4.9	--	--
25...	0.030	<0.010	0.050	0.020	5.2	--	--
25...	0.030	<0.010	0.040	0.020	5.2	--	--
25...	0.030	<0.010	0.040	0.020	5.1	--	--
26...	0.030	<0.010	0.040	0.020	5.1	--	--
26...	0.030	<0.010	0.040	0.020	5.2	--	--
26...	0.030	<0.010	0.040	0.020	5.1	--	--
26...	0.030	<0.010	0.040	0.020	5.2	--	--
JUL							
12...	<0.100	0.020	0.030	<0.010	4.6	--	--
12...	<0.100	0.020	0.030	<0.010	4.7	--	--
13...	<0.100	0.020	0.030	<0.010	4.6	--	--
13...	<0.100	0.030	0.040	0.010	4.5	--	--
13...	<0.100	0.030	0.040	0.010	4.5	--	--
13...	<0.100	0.030	0.020	<0.010	4.5	--	--
14...	<0.100	0.030	0.030	<0.010	4.5	--	--
14...	<0.100	0.030	0.030	<0.010	4.7	--	--
14...	<0.100	0.030	0.030	<0.010	4.6	--	--

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

233

YAZOO RIVER BASIN--Continued
OTOUCALOFA CREEK DRAINAGE BASIN STUDY--Continued

07274237 - OTOUCALOFA CREEK AT PARIS, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
OCT								
24...	1800	1.6	65	6.9	17.0	9.0	K20	220
24...	2400	1.6	51	6.5	16.0	8.8	K80	240
25...	0600	1.5	49	6.9	15.0	8.3	K15	220
25...	1200	1.6	66	6.8	16.0	8.0	K50	350
25...	1800	1.6	64	6.5	16.5	8.8	120	300
25...	2400	2.2	64	6.3	15.0	8.8	250	290
26...	0600	2.1	65	6.6	14.0	8.9	K21	270
26...	1200	1.6	66	6.7	15.0	9.6	120	360
26...	1800	1.6	66	7.0	16.0	9.2	<2	330
JUL								
12...	1915	3.8	59	7.0	25.0	7.4	3500	9600
13...	0035	3.8	41	7.1	24.0	7.1	2400	7800
13...	0625	3.8	58	6.9	22.5	8.3	780	9300
13...	1225	3.5	66	7.1	24.0	8.7	500	3400
13...	1830	2.8	64	7.1	27.0	8.8	140	700
14...	0030	2.2	64	7.1	27.0	7.8	130	370
14...	0620	2.0	61	7.1	25.0	7.9	260	700
14...	1220	2.2	65	7.1	26.5	8.4	170	440
14...	1820	2.1	64	7.1	26.0	8.9	860	210

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L) AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L) AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)	SEDI- MENT, SUS- PENDE (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDE (T/DAY) (80155)
OCT							
24...	0.030	<0.010	0.040	0.020	3.5	13	0.06
24...	0.020	<0.010	0.040	0.020	3.4	--	--
25...	0.030	<0.010	0.040	0.020	3.2	--	--
25...	0.030	<0.010	0.050	0.020	3.5	--	--
25...	0.030	<0.010	0.050	0.020	3.5	--	--
25...	0.030	<0.010	0.040	0.020	3.6	--	--
26...	0.030	<0.010	0.040	0.020	3.7	--	--
26...	0.030	<0.010	0.040	0.020	3.5	--	--
26...	0.030	<0.010	0.040	0.020	3.8	--	--
JUL							
12...	0.100	0.080	0.060	0.020	5.7	--	--
13...	<0.100	0.070	0.040	0.020	5.3	--	--
13...	<0.100	0.080	0.040	0.030	5.5	--	--
13...	<0.100	0.080	0.040	0.020	5.3	--	--
13...	<0.100	0.080	0.030	0.010	5.1	--	--
14...	<0.100	0.080	0.050	0.010	4.9	--	--
14...	<0.100	0.080	0.040	0.010	5.1	--	--
14...	<0.100	0.080	0.080	0.010	4.9	--	--
14...	<0.100	0.070	0.030	<0.010	4.7	--	--

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
 WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
 YAZOO RIVER BASIN--Continued
 OTOUCALOFA CREEK DRAINAGE BASIN STUDY--Continued

07274245 - OTOUCALOFA CREEK EAST OF WATER VALLEY, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT							
24...	1830	4.5	49	7.0	18.0	9.3	K100
25...	0030	5.2	51	6.6	15.5	9.1	500
25...	0630	5.2	52	7.0	14.0	8.5	K280
25...	1230	5.2	48	6.8	17.0	9.1	<5
25...	1830	5.4	51	6.9	16.5	8.0	250
26...	0030	5.4	53	6.8	13.0	8.7	290
26...	0630	5.0	51	6.7	12.5	9.3	300
26...	1230	5.0	50	7.0	15.5	8.2	84
26...	1830	5.0	50	7.0	16.0	9.5	K100
JUL							
12...	1900	5.0	50	7.4	25.5	7.9	1000
13...	0045	6.2	55	7.1	24.0	7.6	1100
13...	0640	6.4	57	7.3	23.0	8.0	290
13...	1230	6.3	60	7.2	25.0	9.3	170
13...	1830	5.5	57	7.3	28.0	8.6	--
14...	0040	4.1	54	7.2	24.0	8.2	230
14...	0620	3.1	58	7.1	23.0	8.8	140
14...	1230	2.6	56	7.5	25.5	9.0	130
14...	1835	2.5	55	7.3	28.5	7.4	480

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT						
24...	260	0.050	0.010	0.040	0.020	3.5
25...	300	0.030	<0.010	0.040	0.020	3.6
25...	260	0.030	0.010	0.040	0.020	3.7
25...	300	0.030	0.010	0.040	0.020	3.6
25...	240	0.030	<0.010	0.040	0.020	3.7
26...	760	0.030	0.010	0.070	0.030	3.4
26...	280	0.030	<0.010	0.040	0.020	3.2
26...	610	0.030	<0.010	0.040	0.020	3.3
26...	450	0.020	<0.010	0.040	0.020	3.4
JUL						
12...	5100	<0.100	0.080	0.060	0.030	4.4
13...	5600	<0.100	0.080	0.050	0.020	5.4
13...	2800	<0.100	0.090	0.050	0.030	5.1
13...	840	<0.100	0.070	0.040	0.020	4.9
13...	--	<0.100	0.070	0.040	0.020	4.8
14...	410	<0.100	0.070	0.050	0.020	5.0
14...	580	<0.100	0.080	0.050	0.020	4.9
14...	120	<0.100	0.080	0.030	0.020	4.5
14...	K96	<0.100	0.070	0.030	0.010	4.6

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

235

YAZOO RIVER BASIN--Continued
OTOUCALOFA CREEK DRAINAGE BASIN STUDY--Continued

07274247 - OTOUCALOFA CREEK CANAL E-SE OF WATER VALLEY, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
OCT							
24...	1800	17	48	7.0	18.5	8.9	120
24...	2400	16	48	6.8	16.0	9.2	K15
25...	0600	22	46	6.9	14.0	7.2	K390
25...	1200	19	48	6.8	16.5	9.6	<5
25...	1800	18	46	6.9	18.0	7.7	210
25...	2400	18	48	6.9	13.5	9.3	170
26...	0600	18	47	6.8	12.0	9.6	180
26...	1200	18	48	6.9	15.0	8.2	100
26...	1800	17	46	7.0	17.5	8.1	<2
JUL							
12...	1830	14	55	7.5	26.5	7.6	1000
12...	2400	20	49	7.1	23.0	7.8	2400
13...	0600	22	47	7.1	22.0	8.4	K460
13...	1200	20	54	7.1	24.0	8.6	K330
13...	1800	18	51	7.3	27.0	7.8	K68
13...	2400	14	47	7.2	23.0	8.5	280
14...	0600	20	54	7.2	22.0	9.3	230
14...	1200	12	52	7.3	25.0	8.6	140
14...	1800	11	54	7.2	27.5	7.2	2500

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
OCT						
24...	280	0.040	0.020	0.060	0.020	2.6
24...	220	0.060	0.010	0.040	0.010	2.5
25...	400	0.070	0.010	0.050	0.020	2.7
25...	290	0.060	0.010	0.040	0.020	2.5
25...	270	0.070	0.010	0.040	0.020	2.4
25...	420	0.070	0.010	0.030	0.010	2.6
26...	410	0.070	0.020	0.040	0.020	2.5
26...	200	0.060	0.010	0.040	0.020	2.5
26...	250	0.070	<0.010	0.040	0.020	2.5
JUL						
12...	4900	0.100	0.080	0.030	0.020	4.5
12...	6900	0.200	0.090	0.040	0.030	5.9
13...	4100	0.500	0.330	0.040	0.080	5.1
13...	2600	0.100	0.090	0.030	0.030	4.9
13...	760	0.100	0.080	0.040	0.020	4.6
13...	660	0.100	0.070	0.020	0.020	3.7
14...	900	0.100	0.080	0.030	0.020	4.3
14...	280	0.100	0.070	0.030	0.020	4.0
14...	200	<0.100	0.070	--	0.020	3.8

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

YAZOO RIVER BASIN--Continued
HICKAHALA CREEK DRAINAGE BASIN STUDY

07277520 - HICKAHALA CREEK NR INDEPENDENCE, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR								
25...	1800	11	52	6.4	23.0	7.8	170	280
25...	2400	8.6	62	6.6	19.0	7.9	190	300
26...	0600	8.6	66	6.6	17.0	8.3	210	280
26...	1200	8.0	67	6.5	23.0	8.2	200	220
26...	1800	8.0	66	6.5	22.5	8.0	140	200
26...	2400	8.2	58	6.8	18.5	8.3	280	420
27...	0630	8.0	65	6.6	17.0	8.5	190	340
27...	1200	8.0	67	6.5	22.5	9.5	120	K96
27...	1800	8.2	63	6.4	19.5	8.0	3900	19000
27...	2400	1910	39	6.3	17.5	8.4	K13000	K32000
28...	0600	235	38	6.6	17.5	9.0	9400	17000
28...	1200	115	43	6.6	17.0	8.8	K6800	K27000
28...	1800	70	43	6.6	19.5	8.5	3900	5300
28...	2400	30	46	6.6	16.5	8.6	5300	5900
29...	0600	23	50	6.6	14.5	9.1	4300	7000
29...	1200	19	53	6.4	17.5	8.6	2300	2200
29...	1800	18	54	6.5	22.5	8.3	K1500	550
29...	2400	17	57	6.6	19.5	8.3	K800	2500

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
APR							
25...	0.520	0.030	0.150	0.070	2.7	--	--
25...	0.690	0.050	0.100	0.050	1.6	--	--
26...	0.800	0.060	0.060	0.040	1.1	--	--
26...	0.820	0.050	0.060	0.040	1.1	--	--
26...	0.760	0.030	0.060	0.040	1.1	--	--
26...	0.790	0.050	0.050	0.040	1.0	--	--
27...	0.770	0.060	0.040	0.030	0.8	--	--
27...	0.790	0.040	0.050	0.040	1.0	--	--
27...	0.720	0.060	0.200	0.070	1.4	--	--
27...	0.500	0.120	0.990	0.250	7.3	3620	18700
28...	0.470	0.090	0.580	0.180	6.9	1330	844
28...	0.410	0.080	0.400	0.170	6.9	1000	311
28...	0.420	0.050	0.280	0.140	6.2	462	87
28...	0.480	0.040	0.200	0.120	5.2	--	--
29...	0.560	0.030	0.160	0.110	4.2	131	8.1
29...	0.630	0.020	0.140	0.100	3.6	--	--
29...	0.650	0.010	0.120	0.090	3.3	--	--
29...	0.720	0.010	0.110	0.090	2.9	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

YAZOO RIVER BASIN--Continued

HICKAHALA CREEK DRAINAGE BASIN STUDY--Continued

07277530 - HICKAHALA CREEK NR LOOXAHOMA, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR								
25...	1820	27	51	6.6	24.5	8.2	140	120
26...	0020	27	55	6.5	19.0	8.0	K350	140
26...	0620	25	57	6.6	17.0	8.2	K280	260
26...	1220	25	56	6.5	23.0	8.9	K64	K8
26...	1820	24	58	6.6	24.0	8.1	K88	K44
27...	0020	24	67	6.9	19.0	8.0	220	200
27...	0600	23	58	6.7	16.0	8.5	K96	220
27...	1220	25	58	6.6	22.0	8.4	120	K42
27...	1820	28	52	6.6	20.0	8.1	3500	5900
28...	0020	2650	37	6.3	17.5	7.9	12000	K31000
28...	0620	690	43	6.3	17.0	8.2	K15000	K22000
28...	1220	385	47	6.6	16.5	8.8	4600	K23000
28...	1820	172	47	6.4	19.0	8.5	K5700	5900
29...	0020	96	50	6.6	17.0	8.2	5200	5600
29...	0620	66	52	6.6	15.0	8.8	3700	6300
29...	1220	57	55	6.4	17.5	9.1	2000	K1100
29...	1820	46	57	6.5	22.5	8.4	2100	310
30...	0020	40	59	6.6	19.5	8.2	K610	3200

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
APR							
25...	0.350	<0.010	0.080	0.050	2.1	--	--
26...	0.410	<0.010	0.050	0.040	1.4	--	--
26...	0.460	0.010	0.070	0.040	1.2	--	--
26...	--	--	--	--	0.9	--	--
26...	0.420	<0.010	0.040	0.030	0.9	--	--
27...	0.430	<0.010	0.050	0.030	0.8	--	--
27...	0.440	<0.010	0.040	0.030	0.7	--	--
27...	0.410	<0.010	0.040	0.030	0.8	--	--
27...	0.370	0.050	0.230	0.100	1.6	253	19
28...	0.360	0.110	1.27	0.300	7.5	3320	23800
28...	0.360	0.070	0.680	0.250	7.1	1030	1920
28...	0.330	0.050	0.460	0.200	7.5	479	498
28...	0.360	0.030	0.280	0.150	6.5	245	114
29...	0.360	0.020	0.210	0.130	5.6	--	--
29...	0.410	0.030	0.160	0.090	4.6	93	17
29...	0.440	0.020	0.130	0.070	4.0	--	--
29...	0.440	0.010	0.110	0.060	3.5	--	--
30...	0.510	0.010	0.100	0.060	3.2	--	--

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
 WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
 YAZOO RIVER BASIN--Continued
 HICKAHALA CREEK DRAINAGE BASIN STUDY--Continued

07277548 - JAMES WOLF CREEK NR LOOXAHOMA, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR								
25...	1800	14	81	6.6	26.0	8.1	230	120
25...	2400	14	82	6.7	20.0	8.3	130	120
26...	0600	14	83	6.6	17.5	8.2	210	140
26...	1200	20	82	6.6	24.0	8.4	K56	K29
26...	1800	15	86	6.6	25.5	8.4	190	K54
26...	2400	14	82	6.8	20.0	8.2	--	--
27...	0600	14	83	6.8	17.5	8.5	280	160
27...	1200	14	83	6.4	23.5	8.4	120	K44
27...	1800	14	90	6.4	21.5	8.4	K160	420
27...	2400	2150	37	6.6	18.0	9.0	K39000	K29000
28...	0600	500	38	6.6	17.0	8.3	K33000	18000
28...	1200	200	38	6.5	17.0	9.0	K23000	14000
28...	1800	97	50	6.7	20.5	9.2	K7300	4100
28...	2400	63	54	6.6	17.0	8.8	8600	4000
29...	0600	34	63	6.5	15.0	9.2	4800	4200
29...	1200	31	68	6.6	18.0	8.9	2700	880
29...	1800	27	71	6.7	24.5	8.6	K1200	280
29...	2400	24	75	6.7	20.5	9.1	K1300	760

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDEDED (T/DAY) (80155)
APR							
25...	1.00	<0.010	0.050	0.020	1.1	--	--
25...	1.00	<0.010	0.040	0.010	0.9	--	--
26...	1.20	0.570	0.030	0.040	0.7	--	--
26...	1.10	<0.010	0.040	0.010	0.8	--	--
26...	0.960	<0.010	0.060	0.020	1.0	--	--
26...	0.950	<0.010	0.030	0.010	0.7	--	--
27...	1.10	0.010	0.030	0.010	0.7	--	--
27...	1.00	0.010	0.030	0.010	0.7	--	--
27...	0.810	0.010	0.070	0.020	0.8	--	--
27...	0.430	0.180	1.33	0.280	7.3	3830	22200
28...	0.330	0.110	0.750	0.210	7.8	--	--
28...	0.340	0.240	0.600	0.170	6.7	1610	869
28...	0.400	0.330	0.380	0.180	5.9	494	129
28...	0.540	0.260	0.240	0.140	4.9	--	--
29...	0.710	0.320	0.190	0.120	4.4	--	--
29...	0.810	0.310	0.160	0.110	3.1	--	--
29...	0.920	0.270	0.150	0.100	2.6	--	--
29...	1.00	0.270	0.130	0.090	2.3	--	--

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

239

YAZOO RIVER BASIN--Continued

HICKAHALA CREEK DRAINAGE BASIN STUDY--Continued

07277715 - SENATOBIA CREEK NR COMO, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)
APR								
25...	1836	6.0	99	6.2	23.0	8.2	100	170
26...	0035	6.1	100	6.5	18.5	8.2	280	240
26...	0635	6.1	101	6.4	17.0	8.2	K440	200
26...	1235	6.4	101	6.3	24.0	8.7	200	K40
26...	1830	6.4	101	6.4	22.0	8.5	100	190
27...	0035	6.1	101	6.5	18.0	8.1	K420	1100
27...	0635	6.0	102	6.8	17.0	8.3	240	250
27...	1235	6.1	101	6.4	21.5	8.7	120	120
27...	1835	6.6	75	6.6	19.0	8.3	10000	16000
28...	0025	1340	32	6.6	17.5	8.8	K19000	K37000
28...	0625	203	37	6.6	16.5	8.7	K15000	K32000
28...	1225	155	38	6.6	16.5	9.1	K8900	K22000
28...	1825	57	42	6.5	21.0	8.5	K1600	4000
29...	0025	23	49	6.6	16.5	8.9	4600	4100
29...	0630	12	65	6.4	15.0	9.0	K1700	3100
29...	1225	11	68	6.4	19.0	8.7	K1800	940
29...	1825	9.2	73	6.4	24.0	8.2	440	270
30...	0025	9.0	80	6.4	20.5	8.7	600	1100

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)	SEDI- MENT, SUS- PENDED (MG/L) (80154)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY) (80155)
APR							
25...	2.50	<0.010	0.030	0.010	0.8	--	--
26...	2.70	<0.010	0.030	0.010	0.7	--	--
26...	2.80	<0.010	0.020	0.010	0.8	--	--
26...	2.60	<0.010	0.030	0.020	1.0	--	--
26...	2.20	0.010	<0.020	0.020	0.8	--	--
27...	2.80	<0.010	0.030	0.020	1.1	--	--
27...	2.80	<0.010	0.020	0.020	0.7	--	--
27...	2.60	<0.010	0.020	0.020	0.8	--	--
27...	2.20	0.040	0.030	0.060	1.4	264	4.7
28...	0.410	0.110	0.790	0.230	7.8	2270	8210
28...	0.600	0.100	0.640	0.200	7.2	1040	570
28...	0.560	0.070	0.390	0.160	7.0	680	285
28...	0.620	0.030	0.230	0.120	6.1	235	36
29...	0.870	0.010	0.160	0.100	4.9	--	--
29...	1.30	0.010	0.110	0.070	3.3	--	--
29...	1.50	<0.010	0.110	0.070	3.0	--	--
29...	1.70	0.070	0.090	0.080	2.5	--	--
30...	1.00	<0.010	0.060	0.060	1.9	--	--

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

YAZOO RIVER BASIN--Continued
BLACK CREEK DRAINAGE BASIN STUDY

07287330 - FANNEGUSHA CREEK NR ITUMA, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV							
27...	1900	22	104	5.9	16.5	8.0	240
28...	0045	37	100	6.4	16.0	6.9	260
28...	0645	20	102	5.6	15.5	5.7	100
28...	1230	22	105	5.6	15.5	4.4	200
28...	1845	13	108	5.7	14.5	6.4	120
29...	0040	16	105	6.1	12.5	8.2	180
29...	0640	12	109	5.4	11.5	6.2	K100
29...	1235	14	96	7.4	11.5	6.8	K54
29...	1840	12	111	7.3	10.5	6.2	100
AUG							
28...	1840	5.5	126	7.6	30.0	8.5	K40
29...	0035	5.5	125	7.4	28.0	6.2	K40
29...	0635	5.5	127	7.3	27.0	6.2	K43
29...	1235	5.5	131	7.4	28.0	7.8	<5
29...	1825	5.5	126	7.6	30.0	8.2	58
30...	0035	5.5	126	7.3	27.0	6.3	K55
30...	0635	5.5	127	7.2	27.0	6.2	62
30...	1235	5.5	129	7.4	27.0	7.7	K29
30...	1835	5.5	126	7.7	30.0	8.3	88

DATE	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV						
27...	560	0.090	0.020	0.060	0.060	3.2
28...	360	0.090	0.010	0.050	0.060	3.0
28...	1700	0.090	0.010	0.050	0.060	3.1
28...	600	0.080	0.010	0.050	0.060	3.0
28...	470	0.080	<0.010	0.070	0.060	3.1
29...	340	0.080	0.010	0.070	0.060	3.1
29...	360	0.080	0.010	0.080	0.060	3.0
29...	270	0.070	0.010	0.070	0.060	2.9
29...	110	0.070	<0.010	0.060	0.060	2.9
AUG						
28...	130	<0.100	<0.010	0.030	0.010	2.0
29...	330	<0.100	<0.010	0.030	0.010	2.0
29...	210	<0.100	0.030	0.030	0.010	2.1
29...	160	<0.100	<0.010	0.030	0.010	2.0
29...	95	<0.100	<0.010	0.030	0.010	2.2
30...	180	<0.100	<0.010	0.040	0.010	2.1
30...	220	<0.100	0.020	0.030	0.010	2.1
30...	110	<0.100	<0.010	0.040	<0.010	2.2
30...	120	<0.100	<0.010	0.030	0.010	2.0

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
 WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
 YAZOO RIVER BASIN--Continued
 BLACK CREEK DRAINAGE BASIN STUDY--Continued

07287375 - BLACK CREEK AT BOWLING GREEN, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV							
27...	1800	16	74	5.8	15.5	9.3	240
27...	2400	17	74	6.6	15.5	6.8	220
28...	0600	17	74	6.8	15.0	6.4	160
28...	1200	13	76	5.7	15.0	9.4	K38
28...	1800	14	75	6.2	14.5	6.7	170
28...	2400	14	74	5.7	13.0	6.4	120
29...	0600	13	78	7.5	12.0	8.9	K84
29...	1200	10	67	7.5	12.0	7.2	170
29...	1800	12	80	7.4	11.5	5.7	200
AUG							
28...	1800	5.6	80	7.3	29.0	8.0	K27
28...	2400	5.6	80	7.1	27.0	6.9	K85
29...	0600	5.6	81	7.1	25.5	6.7	K12
29...	1200	5.6	83	7.2	30.0	9.1	<5
29...	1800	5.6	80	7.4	29.0	8.2	70
29...	2400	5.6	82	7.0	26.0	6.7	52
30...	0600	5.6	82	7.3	25.0	6.8	K18
30...	1200	5.6	80	7.1	28.0	9.2	K20
30...	1800	5.6	80	7.3	29.0	8.7	K55

DATE	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV						
27...	490	0.040	<0.010	0.100	0.080	3.6
27...	420	0.040	<0.010	0.100	0.080	3.5
28...	460	0.040	0.010	0.100	0.080	3.5
28...	460	0.040	<0.010	0.090	0.070	3.5
28...	310	0.030	<0.010	0.090	0.070	3.5
28...	330	0.030	<0.010	0.090	0.070	3.4
29...	260	0.030	<0.010	0.080	0.070	3.7
29...	420	0.030	<0.010	0.080	0.070	3.7
29...	260	0.030	<0.010	0.080	0.070	3.4
AUG						
28...	K100	<0.100	<0.010	0.120	0.020	1.7
28...	190	<0.100	<0.010	0.030	0.010	1.6
29...	200	<0.100	<0.010	0.030	<0.010	1.7
29...	150	<0.100	<0.010	0.030	<0.010	1.7
29...	120	<0.100	<0.010	0.030	<0.010	1.6
29...	160	<0.100	<0.010	0.030	<0.010	1.6
30...	210	<0.100	<0.010	0.030	<0.010	1.9
30...	92	<0.100	<0.010	0.030	0.010	1.7
30...	150	<0.100	<0.010	0.030	0.010	1.7

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

YAZOO RIVER BASIN--Continued

BLACK CREEK DRAINAGE BASIN STUDY--Continued

07287405

- BLACK CREEK AT HOWARD, MS

DATE	TIME	DIS- CHARGE, INST. CUBIC FEET PER SECOND (00061)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML) (31625)
NOV							
27...	1800	128	122	5.8	17.0	8.9	820
27...	2400	124	125	6.3	16.5	8.5	1100
28...	0600	110	127	6.4	16.0	10.3	K790
28...	1200	104	129	6.0	15.5	9.5	1000
28...	1800	82	128	6.1	15.0	9.1	920
28...	2400	82	132	5.7	14.0	9.3	1100
29...	0600	80	135	5.9	12.0	9.8	2100
29...	1200	70	116	7.4	12.0	10.2	260
29...	1800	65	108	7.4	11.0	10.4	1100
AUG							
28...	1800	41	171	7.8	30.5	9.2	180
28...	2400	41	164	7.7	30.5	7.2	840
29...	0600	41	171	7.4	29.0	5.4	1100
29...	1200	41	178	7.6	29.0	6.1	K20
29...	1800	41	174	7.9	31.0	9.2	140
29...	2400	41	167	7.6	31.0	7.5	220
30...	0600	41	166	7.5	31.0	5.4	K20
30...	1200	41	162	7.5	32.0	6.2	K96
30...	1800	41	167	7.9	31.5	6.8	K120

DATE	STREP- TOCOCCHI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N) (00630)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS ORTHO TOTAL (MG/L AS P) (70507)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
NOV						
27...	430	0.100	0.050	0.150	0.090	6.3
27...	340	0.100	0.040	0.100	0.090	4.2
28...	960	0.100	0.050	0.110	0.090	4.1
28...	450	0.100	0.050	0.090	0.090	4.0
28...	280	0.100	0.060	0.090	0.090	4.1
28...	220	0.090	0.050	0.090	0.080	3.8
29...	500	0.090	0.060	0.090	0.090	3.8
29...	700	0.090	0.060	0.090	0.080	3.8
29...	320	0.090	0.070	0.080	0.080	3.9
AUG						
28...	160	0.100	0.020	0.030	0.030	2.5
28...	820	0.200	0.040	0.050	0.040	2.5
29...	860	0.100	0.080	0.070	0.050	3.0
29...	K52	0.100	0.030	0.020	0.030	2.8
29...	130	0.200	0.020	0.030	0.030	2.9
29...	320	0.100	0.030	0.020	0.040	2.4
30...	440	0.100	0.060	0.050	0.030	2.5
30...	K65	0.100	0.030	0.020	0.030	2.9
30...	140	0.200	0.030	0.020	0.030	2.4

WATER QUALITY DATA, OCTOBER 1989 TO NOVEMBER 1990

YAZOO RIVER BASIN--Continued

YAZOO RIVER MAIN STEM STUDY

332114090170800 - YAZOO RIVER AT MILE 143.6

07287134

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	
MAR 1990							
22...	1601	1.00	51	6.8	14.5	8.5	
22...	1602	5.00	51	6.8	14.5	8.5	
22...	1603	10.0	52	6.8	14.5	8.5	
22...	1604	15.0	52	6.8	14.5	8.5	
22...	1605	20.0	52	6.8	14.5	8.5	
22...	1606	25.0	52	6.8	14.5	8.4	
22...	1607	30.0	52	6.8	14.5	8.5	
MAY							
29...	2101	1.00	62	6.3	24.0	5.0	
29...	2102	5.00	62	6.3	24.0	5.1	
29...	2103	10.0	62	6.2	24.0	5.0	
29...	2104	15.0	62	6.4	24.0	5.0	
29...	2105	20.0	62	6.3	24.0	5.1	
29...	2106	25.0	62	6.3	24.0	5.0	
JUL							
26...	2001	1.00	80	6.8	28.5	5.8	
26...	2002	5.00	80	6.8	28.5	5.8	
26...	2003	10.0	80	6.8	28.5	5.8	
26...	2004	15.0	80	6.8	28.5	5.8	
SEP							
10...	2001	1.00	83	7.0	29.0	6.0	
10...	2002	5.00	83	7.0	29.0	6.0	
10...	2003	10.0	83	7.0	29.0	6.0	
10...	2004	15.0	83	7.0	29.0	6.0	
10...	2005	20.0	83	7.0	29.0	6.0	
NOV							
01...	1701	1.00	69	--	16.5	8.8	
01...	1702	5.00	69	--	16.5	8.8	
01...	1703	10.0	69	--	16.5	8.8	
01...	1704	15.0	69	--	16.5	8.8	
01...	1705	18.0	69	--	16.5	8.8	
DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAR 1990							
22...	1600	0.360	0.040	0.77	0.210	0.040	4.6
MAY							
29...	2100	0.540	0.070	1.5	0.440	0.060	3.4
JUL							
26...	2000	0.350	0.040	1.3	0.200	0.050	1.8
SEP							
10...	2000	0.140	0.020	0.43	0.150	0.060	1.9
NOV							
01...	1700	0.120	0.020	0.52	0.120	0.060	1.8

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

WATER QUALITY DATA, OCTOBER 1989 TO NOVEMBER 1990

YAZOO RIVER BASIN--Continued

YAZOO RIVER MAIN STEM STUDY--Continued

332109090170500 - YAZOO RIVER AT MILE 143.5

07287134

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
MAR 1990						
22...	1501	1.00	52	6.8	14.5	8.5
22...	1502	5.00	52	6.8	14.5	8.5
22...	1503	10.0	51	6.8	14.5	8.5
22...	1504	15.0	51	6.8	14.5	8.5
22...	1505	20.0	52	6.8	14.5	8.5
22...	1506	25.0	52	6.8	14.5	8.4
22...	1507	30.0	52	6.8	14.5	8.5
MAY						
29...	2001	1.00	62	6.3	24.0	5.0
29...	2002	5.00	62	6.4	24.0	5.0
29...	2003	10.0	62	6.3	24.0	5.1
29...	2004	15.0	62	6.3	24.0	5.1
29...	2005	20.0	62	6.2	24.0	5.0
29...	2006	25.0	62	6.3	24.0	5.0
JUL						
26...	1901	1.00	80	6.8	28.5	5.8
26...	1902	5.00	80	6.8	28.5	5.8
26...	1903	10.0	80	6.8	28.5	5.8
26...	1904	15.0	80	6.8	28.5	5.8
26...	1905	19.0	80	6.8	28.5	5.8
SEP						
10...	1901	1.00	83	7.0	29.0	6.0
10...	1902	5.00	83	7.0	29.0	6.0
10...	1903	10.0	83	7.0	29.0	6.0
10...	1904	15.0	83	7.0	29.0	6.0
10...	1905	19.0	83	7.0	29.0	6.0
NOV						
01...	1601	1.00	69	--	16.5	8.8
01...	1602	5.00	69	--	16.5	8.8
01...	1603	10.0	69	--	16.5	8.8
01...	1604	15.0	69	--	16.5	8.8
01...	1605	18.0	69	--	16.5	8.8

DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAR 1990							
22...	1500	0.290	0.040	0.90	0.210	<0.020	4.7
MAY							
29...	2000	0.540	0.080	1.4	0.500	0.060	3.6
JUL							
26...	1900	0.300	0.040	0.94	0.220	0.030	2.0
SEP							
10...	1900	0.130	0.030	0.93	0.140	0.050	3.1
NOV							
01...	1600	0.110	0.020	0.61	0.120	0.040	2.4

WATER QUALITY DATA, OCTOBER 1989 TO NOVEMBER 1990

YAZOO RIVER BASIN--Continued

YAZOO RIVER MAIN STEM STUDY--Continued

332104090170200 - YAZOO RIVER AT MILE 143.4

07287134

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
MAR 1990						
22...	1401	1.00	51	6.8	14.5	8.5
22...	1402	5.00	52	6.8	14.5	8.5
22...	1403	10.0	52	6.8	14.5	8.4
22...	1404	15.0	52	6.8	14.5	8.5
22...	1405	20.0	52	6.8	14.5	8.5
22...	1406	25.0	51	6.8	14.5	8.5
22...	1407	30.0	52	6.8	14.5	8.5
MAY						
29...	1901	1.00	62	6.3	24.0	5.0
29...	1902	5.00	62	6.3	24.0	5.1
29...	1903	10.0	62	6.4	24.0	5.0
29...	1904	15.0	62	6.2	24.0	5.1
29...	1905	20.0	62	6.3	24.0	5.0
29...	1906	25.0	62	6.3	24.0	5.1
JUL						
26...	1801	1.00	80	6.8	28.5	5.8
26...	1802	5.00	80	6.8	28.5	5.8
26...	1803	10.0	80	6.8	28.5	5.8
26...	1804	15.0	80	6.8	28.5	5.8
SEP						
10...	1801	1.00	83	7.0	29.0	6.0
10...	1802	5.00	83	7.0	29.0	6.0
10...	1803	10.0	83	7.0	29.0	6.0
10...	1804	15.0	83	7.0	29.0	6.0
10...	1805	18.0	83	7.0	29.0	6.0
NOV						
01...	1501	1.00	69	--	16.5	8.8
01...	1502	5.00	69	--	16.5	8.8
01...	1503	10.0	69	--	16.5	8.8
01...	1504	15.0	69	--	16.5	8.8
01...	1505	16.0	69	--	16.5	8.8

DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAR 1990							
22...	1400	0.340	0.040	0.73	0.210	0.050	4.6
MAY							
29...	1900	0.540	0.070	1.4	0.500	0.060	3.7
JUL							
26...	1800	0.290	0.040	0.69	0.170	0.020	3.1
SEP							
10...	1800	0.150	0.030	0.87	0.150	0.050	3.3
NOV							
01...	1500	0.110	0.020	0.56	0.110	0.050	2.3

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

WATER QUALITY DATA, OCTOBER 1989 TO NOVEMBER 1990

YAZOO RIVER BASIN--Continued

YAZOO RIVER MAIN STEM STUDY--Continued

332100090165900 - YAZOO RIVER AT MILE 143.3

07287134

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	
MAR 1990							
22...	1301	1.00	52	6.8	14.5	8.5	
22...	1302	5.00	52	6.8	14.5	8.4	
22...	1303	10.0	52	6.8	14.5	8.5	
22...	1304	15.0	51	6.8	14.5	8.5	
22...	1305	20.0	51	6.8	14.5	8.5	
22...	1306	25.0	52	6.8	14.5	8.5	
22...	1307	30.0	51	6.8	14.5	8.4	
MAY							
29...	1801	1.00	62	6.3	24.0	5.1	
29...	1802	5.00	62	6.2	24.0	5.0	
29...	1803	10.0	62	6.3	24.0	5.1	
29...	1804	15.0	62	6.3	24.0	5.0	
29...	1805	20.0	62	6.4	24.0	5.1	
29...	1806	25.0	62	6.3	24.0	5.0	
JUL							
26...	1701	1.00	80	6.8	28.5	5.8	
26...	1702	5.00	80	6.8	28.5	5.8	
26...	1703	10.0	80	6.8	28.5	5.8	
26...	1704	15.0	80	6.8	28.5	5.8	
SEP							
10...	1701	1.00	83	7.0	29.0	6.0	
10...	1702	5.00	83	7.0	29.0	6.0	
10...	1703	10.0	83	7.0	29.0	6.0	
10...	1704	15.0	83	7.0	29.0	6.0	
10...	1705	17.0	83	7.0	29.0	6.0	
NOV							
01...	1401	1.00	69	--	16.5	8.8	
01...	1402	5.00	69	--	16.5	8.8	
01...	1403	10.0	69	--	16.5	8.8	
01...	1404	15.0	69	--	16.5	8.8	
01...	1405	16.0	69	--	16.5	8.8	
DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAR 1990							
22...	1300	0.360	0.040	0.70	0.200	0.040	4.5
MAY							
29...	1800	0.520	0.070	1.4	0.480	0.070	3.8
JUL							
26...	1700	0.290	0.040	0.68	0.210	0.010	3.3
SEP							
10...	1700	0.130	0.020	0.50	0.160	0.050	3.3
NOV							
01...	1400	0.110	0.020	0.45	0.100	0.040	2.6

WATER QUALITY DATA, OCTOBER 1989 TO NOVEMBER 1990

YAZOO RIVER BASIN--Continued

YAZOO RIVER MAIN STEM STUDY--Continued

332055090165600 - YAZOO RIVER AT MILE 143.2

07287135

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
MAR 1990						
22...	1201	1.00	51	6.8	14.5	8.5
22...	1202	5.00	52	6.8	14.5	8.5
22...	1203	10.0	52	6.8	14.5	8.5
22...	1204	15.0	52	6.8	14.5	8.4
22...	1205	20.0	52	6.8	14.5	8.5
22...	1206	25.0	51	6.8	14.5	8.5
22...	1207	30.0	52	6.8	14.5	8.5
MAY						
29...	1701	1.00	62	6.3	24.0	5.0
29...	1702	5.00	62	6.3	24.0	5.1
29...	1703	10.0	62	6.2	24.0	5.0
29...	1704	15.0	62	6.4	24.0	5.0
29...	1705	20.0	62	6.3	24.0	5.1
29...	1706	25.0	62	6.3	24.0	5.0
JUL						
26...	1601	1.00	80	6.8	28.5	5.8
26...	1602	5.00	80	6.8	28.5	5.8
26...	1603	10.0	80	6.8	28.5	5.8
26...	1604	15.0	80	6.8	28.5	5.8
SEP						
10...	1601	1.00	83	7.0	29.0	6.0
10...	1602	5.00	83	7.0	29.0	6.0
10...	1603	10.0	83	7.0	29.0	6.0
10...	1604	15.0	83	7.0	29.0	6.0
10...	1605	17.0	83	7.0	29.0	6.0
NOV						
01...	1301	1.00	69	--	16.5	8.8
01...	1302	5.00	69	--	16.5	8.8
01...	1303	10.0	69	--	16.5	8.8
01...	1304	15.0	69	--	16.5	8.8

DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAR 1990							
22...	1200	0.350	0.050	0.63	0.200	0.020	4.3
MAY							
29...	1700	0.560	0.070	1.4	0.580	0.060	3.7
JUL							
26...	1600	0.370	0.040	0.77	0.180	0.030	3.2
SEP							
10...	1600	0.150	0.030	0.59	0.140	0.050	3.4
NOV							
01...	1300	0.110	0.020	0.50	0.110	0.040	2.8

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

WATER QUALITY DATA, OCTOBER 1989 TO NOVEMBER 1990

YAZOO RIVER BASIN--Continued

YAZOO RIVER MAIN STEM STUDY--Continued

331754090211300 - YAZOO RIVER AT MILE 133.8

07287162

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	
MAR 1990							
21...	1731	1.00	51	6.8	14.5	8.5	
21...	1732	5.00	52	6.8	14.5	8.5	
21...	1733	10.0	52	6.8	14.5	8.5	
21...	1734	15.0	52	6.8	14.5	8.3	
21...	1735	20.0	52	6.8	14.5	8.5	
21...	1736	25.0	52	6.8	14.5	8.5	
21...	1737	30.0	52	6.8	14.5	8.5	
MAY							
29...	1501	1.00	62	6.3	24.0	5.0	
29...	1502	5.00	62	6.3	24.0	5.1	
29...	1503	10.0	62	6.2	24.0	5.0	
29...	1504	15.0	62	6.4	24.0	5.0	
29...	1505	20.0	62	6.3	24.0	5.1	
29...	1506	25.0	62	6.3	24.0	5.0	
JUL							
26...	1401	1.00	80	6.8	28.5	5.8	
26...	1402	5.00	80	6.8	28.5	5.8	
26...	1403	10.0	80	6.8	28.5	5.8	
26...	1404	12.0	80	6.8	28.5	5.8	
SEP							
10...	1401	1.00	83	7.0	29.0	6.0	
10...	1402	5.00	83	7.0	29.0	6.0	
10...	1403	10.0	83	7.0	29.0	6.0	
10...	1404	13.0	83	7.0	29.0	6.0	
NOV							
01...	1101	1.00	69	--	16.5	8.8	
01...	1102	5.00	69	--	16.5	8.8	
01...	1103	10.0	69	--	16.5	8.8	
01...	1104	12.0	69	--	16.5	8.8	
DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAR 1990							
21...	1730	0.320	0.040	0.79	0.200	0.020	4.6
MAY							
29...	1500	0.530	0.070	1.4	0.560	0.100	3.8
JUL							
26...	1400	0.270	0.030	0.78	0.200	0.020	3.1
SEP							
10...	1400	0.150	0.020	0.69	0.140	0.050	3.4
NOV							
01...	1100	0.110	0.020	0.50	0.140	0.030	2.6

WATER QUALITY DATA, OCTOBER 1989 TO NOVEMBER 1990

YAZOO RIVER BASIN--Continued

YAZOO RIVER MAIN STEM STUDY--Continued

331752090211900 - YAZOO RIVER AT MILE 133.7

07287162

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
MAR 1990						
21...	1631	1.00	52	6.8	14.5	8.5
21...	1632	5.00	52	6.8	14.5	8.4
21...	1633	10.0	52	6.8	14.5	8.5
21...	1634	15.0	51	6.8	14.5	8.5
21...	1635	20.0	51	6.8	14.5	8.5
21...	1636	25.0	52	6.8	14.5	8.5
21...	1637	30.0	52	6.8	14.5	8.5
MAY						
29...	1401	1.00	62	6.3	24.0	5.1
29...	1402	5.00	62	6.2	24.0	5.0
29...	1403	10.0	62	6.3	24.0	5.1
29...	1404	15.0	62	6.3	24.0	5.0
29...	1405	20.0	62	6.4	24.0	5.1
29...	1406	25.0	62	6.3	24.0	5.0
JUL						
26...	1301	1.00	80	6.8	28.5	5.8
26...	1302	5.00	80	6.8	28.5	5.8
26...	1303	10.0	80	6.8	28.5	5.8
26...	1304	15.0	80	6.8	28.5	5.8
26...	1305	20.0	80	6.8	28.5	5.8
SEP						
10...	1301	1.00	83	7.0	29.0	6.0
10...	1302	5.00	83	7.0	29.0	6.0
10...	1303	10.0	83	7.0	29.0	6.0
10...	1304	15.0	83	7.0	29.0	6.0
10...	1305	20.0	83	7.0	29.0	6.0
NOV						
01...	1001	1.00	69	--	16.5	8.8
01...	1002	5.00	69	--	16.5	8.8
01...	1003	10.0	69	--	16.5	8.8
01...	1004	15.0	69	--	16.5	8.8
01...	1005	17.0	69	--	16.5	8.8

DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAR 1990							
21...	1630	0.390	0.040	0.85	0.210	0.040	4.7
MAY							
29...	1400	0.500	0.070	1.6	0.680	0.100	4.3
JUL							
26...	1300	0.260	0.030	0.80	0.260	0.020	3.0
SEP							
10...	1300	0.140	0.020	0.63	0.190	0.050	3.3
NOV							
01...	1000	0.120	0.020	0.51	0.130	0.040	2.9

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

WATER QUALITY DATA, OCTOBER 1989 TO NOVEMBER 1990

YAZOO RIVER BASIN--Continued

YAZOO RIVER MAIN STEM STUDY--Continued

331748090213100 - YAZOO RIVER AT MILE 133.6

07287162

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	
MAR 1990							
21...	1531	1.00	52	6.8	14.5	8.5	
21...	1532	5.00	51	6.8	14.5	8.5	
21...	1533	10.0	52	6.8	14.5	8.5	
21...	1534	15.0	52	6.8	14.5	8.4	
21...	1535	20.0	52	6.8	14.5	8.5	
21...	1536	25.0	51	6.8	14.5	8.5	
21...	1537	30.0	52	6.8	14.5	8.5	
MAY							
29...	1301	1.00	62	6.3	24.0	5.0	
29...	1302	5.00	62	6.3	24.0	5.1	
29...	1303	10.0	62	6.4	24.0	5.0	
29...	1304	15.0	62	6.2	24.0	5.1	
29...	1305	20.0	62	6.3	24.0	5.0	
29...	1306	25.0	62	6.3	24.0	5.1	
JUL							
26...	1201	1.00	80	6.8	28.5	5.8	
26...	1202	5.00	80	6.8	28.5	5.8	
26...	1203	10.0	80	6.8	28.5	5.8	
26...	1204	15.0	80	6.8	28.5	5.8	
26...	1205	18.0	80	6.8	28.5	5.8	
SEP							
10...	1201	1.00	83	7.0	29.0	6.0	
10...	1202	5.00	83	7.0	29.0	6.0	
10...	1203	10.0	83	7.0	29.0	6.0	
10...	1204	15.0	83	7.0	29.0	6.0	
10...	1205	18.0	83	7.0	29.0	6.0	
NOV							
01...	0901	1.00	69	--	16.5	8.8	
01...	0902	5.00	69	--	16.5	8.8	
01...	0903	10.0	69	--	16.5	8.8	
01...	0904	12.0	69	--	16.5	8.8	
DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAR 1990							
21...	1530	0.320	0.050	0.83	0.210	0.030	3.9
MAY							
29...	1300	0.510	0.060	1.6	0.580	0.070	4.3
JUL							
26...	1200	0.300	0.040	0.76	0.200	0.010	3.2
SEP							
10...	1200	0.130	0.010	0.61	0.170	0.040	3.3
NOV							
01...	0900	0.120	0.010	0.49	0.140	0.050	4.1

WATER QUALITY DATA, OCTOBER 1989 TO NOVEMBER 1990

YAZOO RIVER BASIN--Continued

YAZOO RIVER MAIN STEM STUDY--Continued

331745090212900 - YAZOO RIVER AT MILE 133.5

07287162

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	
MAR 1990							
21...	1431	1.00	52	6.8	14.5	8.5	
21...	1432	5.00	52	6.8	14.5	8.5	
21...	1433	10.0	51	6.8	14.5	8.5	
21...	1434	15.0	51	6.8	14.5	8.5	
21...	1435	20.0	52	6.8	14.5	8.5	
21...	1436	25.0	52	6.8	14.5	8.4	
21...	1437	30.0	51	6.8	14.5	8.5	
MAY							
29...	1201	1.00	62	6.3	24.0	5.0	
29...	1202	5.00	62	6.4	24.0	5.0	
29...	1203	10.0	62	6.3	24.0	5.1	
29...	1204	15.0	62	6.3	24.0	5.1	
29...	1205	20.0	62	6.2	24.0	5.0	
29...	1206	25.0	62	6.3	24.0	5.0	
JUL							
26...	1101	1.00	80	6.8	28.5	5.8	
26...	1102	5.00	80	6.8	28.5	5.8	
26...	1103	10.0	80	6.8	28.5	5.8	
26...	1104	15.0	80	6.8	28.5	5.8	
26...	1105	20.0	80	6.8	28.5	5.8	
SEP							
10...	1101	1.00	83	7.0	29.0	6.0	
10...	1102	5.00	83	7.0	29.0	6.0	
10...	1103	10.0	83	7.0	29.0	6.0	
10...	1104	15.0	83	7.0	29.0	6.0	
10...	1105	20.0	83	7.0	29.0	6.0	
10...	1106	22.0	83	7.0	29.0	6.0	
NOV							
01...	0801	1.00	69	--	16.5	8.8	
01...	0802	5.00	69	--	16.5	8.8	
01...	0803	10.0	69	--	16.5	8.8	
01...	0804	15.0	69	--	16.5	8.8	
01...	0805	18.0	69	--	16.5	8.8	
DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
1990							
1...	1430	0.340	0.050	0.86	0.240	0.040	4.0
9...	1200	0.510	0.070	1.4	0.510	0.060	4.3
6...	1100	0.300	0.040	0.86	0.260	<0.020	3.1
0...	1100	0.150	0.020	0.68	0.110	0.050	3.3
1...	0800	0.120	0.020	0.68	0.130	0.040	2.8

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

WATER QUALITY DATA, OCTOBER 1989 TO NOVEMBER 1990

YAZOO RIVER BASIN--Continued

YAZOO RIVER MAIN STEM STUDY--Continued

331739090212900 - YAZOO RIVER AT MILE 133.4

07287162

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
MAR 1990						
21...	1331	1.00	51	6.8	14.5	8.5
21...	1332	5.00	51	6.8	14.5	8.5
21...	1333	10.0	52	6.8	14.5	8.5
21...	1334	15.0	52	6.8	14.5	8.5
21...	1335	20.0	52	6.8	14.5	8.3
21...	1336	25.0	52	6.8	14.5	8.5
21...	1337	30.0	52	6.8	14.5	8.5
MAY						
29...	1101	1.00	62	6.3	24.0	5.0
29...	1102	5.00	62	6.3	24.0	5.1
29...	1103	10.0	62	6.2	24.0	5.0
29...	1104	15.0	62	6.4	24.0	5.0
29...	1105	20.0	62	6.3	24.0	5.1
29...	1106	25.0	62	6.3	24.0	5.0
JUL						
26...	1001	1.00	80	6.8	28.5	5.8
26...	1002	5.00	80	6.8	28.5	5.8
26...	1003	10.0	80	6.8	28.5	5.8
26...	1004	15.0	80	6.8	28.5	5.8
26...	1005	20.0	80	6.8	28.5	5.8
SEP						
10...	1001	1.00	83	7.0	29.0	6.0
10...	1002	5.00	83	7.0	29.0	6.0
10...	1003	10.0	83	7.0	29.0	6.0
10...	1004	15.0	83	7.0	29.0	6.0
10...	1005	19.0	83	7.0	29.0	6.0
NOV						
01...	0701	1.00	69	--	16.5	8.8
01...	0702	5.00	69	--	16.5	8.8
01...	0703	10.0	69	--	16.5	8.8
01...	0704	15.0	69	--	16.5	8.8

DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAR 1990							
21...	1330	0.320	0.050	0.85	0.210	0.020	3.9
MAY							
29...	1100	0.480	0.070	2.0	0.540	0.030	4.2
JUL							
26...	1000	0.310	0.030	0.71	0.200	<0.020	3.2
SEP							
10...	1000	0.150	0.020	0.76	0.140	0.050	3.4
NOV							
01...	0700	0.120	0.020	0.49	0.130	0.040	2.4

WATER QUALITY DATA, OCTOBER 1989 TO OCTOBER 1990

YAZOO RIVER BASIN--Continued

BLACK CREEK DRAINAGE BASIN STUDY

332939090173135 - ROEBUCK LAKE NR ITTA BENA

07287012

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
MAY 1990 31...	1030	61	7.0	23.0	5.1	0.090	0.010	1.0	0.200	0.040	4.4

332945090190235 - ROEBUCK LAKE AT ITTA BENA

07287015

DATE	TIME	SAM- PLING DEPTH (FEET)	SPE- CIFIC CON- DUCT- ANCE (US/CM)	PH (STAND- ARD UNITS)	TEMPER- ATURE WATER (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	
		(00003)	(00095)	(00400)	(00010)	(00300)	
MAY 1990							
31...	0926	1.00	66	7.0	23.5	6.9	
31...	0927	7.00	69	6.8	23.5	3.0	
		NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAY 1990							
31...	0925	0.080	0.020	0.90	0.150	0.060	4.1

332720090160035 - ROEBUCK LAKE NR QUITO

07287017

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	
MAY 1990							
31...	1101	1.00	66	6.8	24.0	6.8	
31...	1102	3.00	66	6.8	24.0	5.9	
		NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAY 1990							
31...	1100	0.260	0.060	1.0	0.240	0.060	4.1

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

WATER QUALITY DATA, OCTOBER 1989 TO OCTOBER 1990

YAZOO RIVER BASIN--Continued

BLACK CREEK DRAINAGE BASIN STUDY--Continued

332406090145200 - ALLIGATOR BAYOU NR SIDON

07287116

DATE	TIME	SAM- PLING DEPTH (FEET) (000003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (000095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	
MAY 1990							
31...	1231	1.00	103	6.8	23.5	6.1	
31...	1232	9.00	104	6.8	24.0	5.6	
DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAY 1990							
31...	1230	0.240	0.060	1.1	0.300	0.050	4.7

07287120

- YAZOO RIVER NR SHELL BLUFF, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
APR 1990											
18...	1330	65	6.5	16.5	8.4	0.340	0.040	0.60	0.260	0.050	3.7
OCT											
11...	0815	101	6.8	20.5	7.2	0.200	0.050	0.72	0.190	0.050	3.5

07287163

- YAZOO RIVER NR SWIFTOWN, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
APR 1990											
18...	1430	68	6.9	17.0	7.4	0.450	0.060	0.68	0.260	0.040	3.7
OCT											
10...	1430	80	6.2	22.0	7.4	0.180	0.050	0.70	0.180	0.060	3.4

WATER QUALITY DATA, OCTOBER 1989 TO OCTOBER 1990

YAZOO RIVER BASIN--Continued

BLACK CREEK DRAINAGE BASIN STUDY--Continued

07287175

- BLUE LAKE AT BERCLAIR, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
APR 1990						
18...	1231	1.00	68	7.0	17.5	4.6
18...	1232	15.0	90	6.9	15.0	2.0
18...	1233	20.0	115	6.9	14.5	0.4
JUN						
07...	1801	1.00	76	7.8	29.0	12.0
07...	1802	16.0	181	6.8	19.0	0.4
AUG						
29...	1546	1.00	102	6.8	32.0	7.5
29...	1547	5.00	115	6.7	31.0	6.0
29...	1548	12.0	186	6.6	27.0	0
OCT						
11...	0931	1.00	96	6.4	19.5	2.8
11...	0932	12.0	96	6.3	20.5	1.8

DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
APR 1990							
18...	1230	0.130	0.100	0.75	0.440	0.210	5.7
JUN							
07...	1800	0.220	<0.010	0.77	0.150	0.080	5.4
AUG							
29...	1545	0.150	0.010	1.0	0.070	0.030	5.9
OCT							
11...	0930	--	0.240	1.3	0.130	0.050	7.6

07287180

- BLUE LAKE NR QUITO, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
APR 1990											
18...	1130	72	7.0	14.5	3.3	0.110	0.160	0.73	0.700	0.270	6.0
JUN											
07...	1700	81	6.7	28.0	3.3	0.200	0.040	0.90	0.220	0.140	5.4
AUG											
29...	1500	92	7.2	27.0	1.0	0.210	0.100	1.4	0.300	0.120	6.8
OCT											
11...	0900	99	6.5	13.0	1.8	0.040	0.110	1.3	0.280	0.090	9.0

07287185

- BEAR CREEK NR QUITO, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
APR 1990											
18...	1100	65	7.1	14.0	5.2	0.120	0.120	0.88	0.400	0.180	6.1
JUN											
07...	1630	76	6.5	28.0	5.2	0.060	0.010	1.0	0.250	0.110	5.6

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

WATER QUALITY DATA, OCTOBER 1989 TO OCTOBER 1990

YAZOO RIVER BASIN--Continued

BLACK CREEK DRAINAGE BASIN STUDY--Continued

07287195

- BEAR CREEK NR MORGAN CITY, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
APR 1990 18...	1000	63	7.3	15.0	5.3	0.090	0.040	0.92	0.350	0.070	5.9
JUN 07...	1530	75	7.0	29.0	6.0	0.450	0.040	1.1	0.420	0.100	5.7
AUG 29...	1430	345	7.2	28.5	2.5	0.240	0.020	1.1	0.160	0.060	4.1
OCT 11...	0745	228	7.0	14.5	3.4	0.050	0.080	0.83	0.160	0.090	5.8

07287205

- BEAR CREEK NR COLONY TOWN, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
APR 1990 17...	1800	63	7.1	16.5	8.4	0.090	0.080	1.5	0.640	0.020	5.2

07287215

- BEAR CREEK NR MOORHEAD, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
APR 1990 18...	0830	88	7.3	13.0	4.2	0.260	0.200	1.2	0.580	0.040	5.3
JUN 07...	1430	81	6.8	30.0	6.3	1.10	0.120	1.6	0.430	0.080	5.1
AUG 29...	1400	360	7.4	30.0	3.0	0.210	0.090	2.3	0.140	0.080	4.5
OCT 10...	1620	282	6.8	18.0	4.6	0.130	0.120	1.4	0.150	0.060	6.4

WATER QUALITY DATA, OCTOBER 1989 TO OCTOBER 1990

YAZOO RIVER BASIN--Continued

BLACK CREEK DRAINAGE BASIN STUDY--Continued

07287220

- MOSSY LAKE NR SWIFTOWN, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	
APR 1990							
17...	1700	--	50	7.4	16.5	6.7	
JUN							
07...	1346	1.00	76	6.8	27.0	6.2	
07...	1347	10.0	93	6.6	24.5	1.7	
AUG							
29...	1331	1.00	179	7.2	32.0	5.9	
29...	1332	7.00	205	7.2	29.5	0.1	
OCT							
10...	1546	1.00	193	6.6	20.5	7.2	
10...	1547	7.00	193	6.8	20.5	6.5	
DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
1990							
...	1700	0.170	0.080	0.68	0.240	0.040	4.5
...	1345	0.560	0.120	0.82	0.220	0.130	4.4
...	1330	0.190	0.010	0.63	0.070	0.030	4.5
...	1545	0.050	0.010	0.94	0.080	0.050	5.0

07287225

- MACON LAKE NR SWIFTOWN, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	
APR 1990							
17...	1600	--	43	7.5	18.0	8.5	
JUN							
07...	1231	1.00	50	7.0	29.0	8.1	
07...	1232	9.00	60	6.2	23.5	0.3	
AUG							
29...	1201	1.00	51	7.6	31.5	8.9	
29...	1202	5.00	51	7.6	31.0	5.4	
OCT							
10...	1731	1.00	44	6.5	21.5	6.5	
10...	1732	7.00	43	6.4	21.0	5.8	
		NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
DATE	TIME						
APR 1990							
17...	1600	0.070	0.040	0.78	0.170	0.020	4.3
JUN							
07...	1230	0.180	0.010	0.65	0.110	0.080	4.5
AUG							
29...	1200	0.200	0.010	1.1	0.070	0.030	4.5
OCT							
10...	1730	0.020	0.050	1.1	0.100	0.050	4.7

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

WATER QUALITY DATA, OCTOBER 1989 TO OCTOBER 1990

YAZOO RIVER BASIN--Continued

BLACK CREEK DRAINAGE BASIN STUDY--Continued

07287230

- THREEMILE LAKE NR SWIFTOWN, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	
APR 1990							
17...	1500	--	80	7.1	17.5	5.3	
JUN							
07...	1301	1.00	74	6.2	27.0	5.2	
07...	1302	3.00	74	6.2	27.0	5.2	
AUG							
29...	1300	--	323	7.4	31.0	3.6	
OCT							
10...	1700	--	242	6.9	17.5	6.4	
DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
APR 1990							
17...	1500	0.140	0.080	1.1	0.340	0.050	6.1
JUN							
07...	1300	1.70	0.170	0.50	0.440	0.060	4.7
AUG							
29...	1300	0.140	0.010	1.1	0.170	0.060	5.0
OCT							
10...	1700	0.040	0.050	1.1	0.130	0.060	5.8

07287240

- BEAR CREEK AT SWIFTOWN, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	
APR 1990							
17...	1400	--	66	7.0	17.0	5.0	
JUN							
07...	1131	1.00	74	6.4	27.0	6.6	
07...	1132	5.00	75	6.4	26.0	4.1	
AUG							
29...	1130	--	149	7.4	31.0	5.2	
OCT							
10...	1345	--	157	6.5	18.5	7.2	
DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
APR 1990							
17...	1400	0.170	0.100	0.85	0.300	0.050	5.3
JUN							
07...	1130	0.600	0.050	1.7	0.270	0.080	4.8
AUG							
29...	1130	0.220	0.020	1.5	0.210	0.070	5.2
OCT							
10...	1345	0.050	0.020	1.1	0.150	0.050	5.5

WATER QUALITY DATA, OCTOBER 1989 TO OCTOBER 1990

YAZOO RIVER BASIN--Continued

BLACK CREEK DRAINAGE BASIN STUDY--Continued

07287250

- SKY LAKE NR JAKETOWN, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (000003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (000095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	
APR 1990							
17...	1300	--	80	7.0	17.5	6.3	
JUN							
07...	1101	1.00	85	6.3	26.0	5.4	
07...	1102	7.00	87	6.2	24.5	0.9	
AUG							
29...	1101	1.00	111	7.2	31.0	4.7	
29...	1102	3.00	111	7.1	31.0	3.3	
OCT							
10...	1231	1.00	108	6.5	20.5	5.5	
10...	1232	3.00	108	6.5	20.5	4.6	
DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
APR 1990							
17...	1300	0.360	0.080	0.93	0.350	0.050	5.0
JUN							
07...	1100	0.910	0.030	1.5	0.290	0.050	4.8
AUG							
29...	1100	0.150	0.020	1.1	0.120	0.060	4.9
OCT							
10...	1230	0.030	0.060	1.1	0.130	0.050	4.9

07287260

- WASP LAKE NR BELZONI, MS

		SPE- CIFIC CON- DUCT- ANCE (US/CM) (000095)					PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
DATE	TIME	SAM- PLING DEPTH (FEET) (000003)							
APR 1990									
17...	1131	1.00		70	7.0	20.0	7.9		
17...	1132	10.0		74	7.0	16.5	4.7		
JUN									
07...	0931	1.00		78	6.1	28.5	8.3		
07...	0932	7.00		80	6.1	24.0	0.5		
AUG									
29...	1001	1.00		99	7.4	31.5	6.7		
29...	1002	5.00		105	7.0	31.0	0.9		
OCT									
10...	1146	1.00		90	6.5	20.5	7.4		
10...	1147	5.00		90	6.5	21.5	6.5		
		NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)		
APR 1990									
17...	1130	0.220	0.040	0.80	0.320	0.060	5.1		
JUN									
07...	0930	0.900	0.030	1.6	0.210	0.040	4.1		
AUG									
29...	1000	0.120	0.020	2.1	0.140	0.040	5.1		
OCT									
10...	1145	0.050	0.060	1.3	0.140	0.050	5.0		

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES

WATER QUALITY DATA, OCTOBER 1989 TO OCTOBER 1990

YAZOO RIVER BASIN--Continued

BLACK CREEK DRAINAGE BASIN STUDY--Continued

07287300

- YAZOO RIVER AT BELZONI, MS

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	
APR 1990							
17...	1000	--	69	7.5	16.5	7.6	
OCT							
10...	1016	1.00	88	7.4	22.0	7.1	
10...	1017	5.00	87	7.2	22.0	6.7	
DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
APR 1990							
17...	1000	0.350	0.050	0.68	0.260	0.070	3.9
OCT							
10...	1015	0.210	0.050	0.73	0.200	0.080	3.6

330359090194135 - BEE LAKE NR THORNTON

07287335

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	
MAY 1990							
31...	1346	1.00	69	7.0	23.5	6.7	
31...	1347	9.00	76	7.1	23.0	1.4	
DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAY 1990							
31...	1345	0.530	0.070	1.1	0.280	0.060	4.4

325531090280335 - WOLF LAKE NR LAKE CITY

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	
		NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAY 1990							
31...	1531	1.00	121	7.5	23.5	5.2	
31...	1532	11.0	128	7.2	22.5	0.3	
DATE	TIME						
MAY 1990							
31...	1530	0.880	0.130	1.4	0.290	0.080	6.9

WATER QUALITY DATA, OCTOBER 1989 TO OCTOBER 1990

YAZOO RIVER BASIN--Continued

BLACK CREEK DRAINAGE BASIN STUDY--Continued

325240090291035 - BROAD LAKE NR YAZOO CITY

DATE	TIME	SAM- PLING DEPTH (FEET) (00003)	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)
MAY 1990						
31...	1501	1.00	100	7.2	22.5	4.7
31...	1502	4.00	95	7.4	22.5	3.4

DATE	TIME	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAY 1990							
31...	1500	1.10	0.400	2.3	0.400	0.060	6.5

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
 WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
 YAZOO RIVER BASIN--Continued
 STEELE BAYOU DRAINAGE BASIN STUDY

332521090591800 - FISH LAKE NR METCALFE

07288814

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
JUN 28...	1800	450	8.2	32.5	8.0	0.060	0.010	1.6	0.230	0.080	6.3

07288815

- RED BRIDGE BAYOU NR LELAND, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
MAR 08...	0900	192	6.8	14.5	8.7	0.410	0.170	2.1	0.550	0.100	4.8
APR 19...	1000	304	7.8	16.5	8.3	0.330	0.100	0.78	0.230	0.040	4.4
MAY 25...	0800	231	7.0	23.5	6.1	2.20	0.110	1.3	0.230	0.060	4.2
JUN 28...	1730	381	8.2	33.0	7.6	0.260	0.010	1.2	0.200	0.090	6.4
JUL 25...	1000	493	8.4	28.5	12.0	0.300	0.200	1.5	0.210	0.080	4.5

332158090571600 - BLACK BAYOU CANAL NR BURDETTE

07288817

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
JUN 28...	1630	362	8.1	34.0	8.5	0.070	<0.010	1.2	0.210	0.080	6.0

331941090562400 - BLACK BAYOU NR BURDETTE

07288818

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
JUN 28...	1600	404	7.8	31.5	5.5	0.380	0.060	0.90	0.170	0.140	5.6

331754090555500 - BLACK BAYOU NORTHWEST OF ARCOLA

07288819

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
JUN 28...	1530	615	8.3	34.0	8.6	0.380	0.320	2.4	0.870	0.650	7.8

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

263

YAZOO RIVER BASIN--Continued

STEELE BAYOU DRAINAGE BASIN STUDY--Continued

07288820 - BLACK BAYOU NR ARCOLA, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAR 07...	1700	225	7.8	15.5	9.0	0.600	0.190	1.9	0.350	0.090	4.6
APR 19...	1300	286	7.7	20.5	8.5	0.820	0.080	0.80	0.340	0.100	4.9
MAY 24...	1600	220	7.5	27.0	6.5	1.80	0.140	1.6	0.370	0.140	5.3
JUN 28...	1500	600	8.4	34.5	11.2	0.060	0.010	2.4	0.400	0.230	7.9
JUL 24...	1630	557	8.2	31.0	8.9	1.20	0.380	2.1	0.320	0.220	6.1
AUG 27...	1630	640	8.4	33.0	16.6	0.110	0.040	3.2	0.410	0.190	6.3
SEP 18...	1430	651	8.0	29.5	8.9	0.320	0.080	1.8	0.570	0.390	8.3

07288825 - BLACK BAYOU NR ESTILL, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAR 07...	1600	219	7.6	15.0	8.4	0.600	0.150	1.7	0.330	0.090	4.6
APR 19...	1400	253	7.9	20.0	8.1	0.850	0.060	0.88	0.360	0.070	5.2
MAY 24...	1630	246	7.2	25.0	5.8	1.60	0.190	1.4	0.280	0.130	5.4
JUN 27...	1230	380	--	26.0	9.4	<0.020	0.020	4.0	0.440	0.170	8.9
JUL 24...	1600	537	8.0	31.0	10.1	2.10	0.540	2.9	0.290	0.140	6.2
AUG 27...	1600	759	8.4	32.5	11.2	0.130	0.020	1.5	0.310	0.200	6.1
SEP 18...	1400	614	7.9	29.0	6.9	0.310	0.090	1.7	0.400	0.240	7.3

07288830 - BLACK BAYOU NR HOLLANDALE, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAR 07...	1400	197	7.6	15.0	8.5	0.530	0.110	1.7	0.390	0.080	4.4
APR 19...	1500	215	7.4	20.5	6.8	1.00	0.130	1.5	0.460	0.050	5.2
MAY 24...	1300	246	7.0	25.0	5.1	1.40	0.240	1.7	0.380	0.110	4.5
JUN 27...	1045	450	--	23.0	6.4	0.030	0.030	3.7	0.570	0.170	7.4
JUL 24...	1430	606	8.1	30.0	8.5	1.70	0.500	4.0	0.420	0.110	6.2
AUG 27...	1530	773	8.4	32.0	10.4	0.080	0.020	1.6	0.340	0.210	5.4
SEP 18...	1300	605	7.6	28.0	6.0	0.270	0.060	1.5	0.320	0.160	6.6

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
 WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
 YAZOO RIVER BASIN--Continued
 STEELE BAYOU DRAINAGE BASIN STUDY--Continued

332711091015500 - MAIN CANAL AT METCALFE

07288832

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
JUN 28...	0800	505	7.5	28.0	3.7	0.220	0.120	1.3	0.280	0.120	5.6

332358091012300 - MAIN CANAL AT GREENVILLE

07288833

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
JUN 28...	0900	533	7.8	27.0	8.6	0.260	0.290	1.4	0.320	0.190	4.2

07288834

- MAIN CANAL NR SWIFTWATER, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
MAR 08...	1000	98	7.4	14.0	8.9	0.360	0.190	2.9	0.890	0.150	4.9
APR 19...	1100	447	7.8	18.5	8.0	0.400	0.160	0.65	0.270	0.100	3.9
MAY 24...	1730	329	7.4	26.0	7.3	1.00	0.130	1.4	0.340	0.120	4.2
JUN 28...	1000	553	8.4	29.0	13.0	0.130	0.050	1.1	0.410	0.270	4.8
JUL 25...	0900	298	--	27.5	4.2	0.280	0.130	2.0	0.330	0.140	4.9
AUG 28...	0800	646	8.1	25.5	5.7	0.140	0.180	0.91	0.550	0.430	3.7
SEP 19...	0830	642	8.0	24.0	4.8	0.310	0.410	1.3	0.800	0.670	3.9

331938091012300 - MAIN CANAL EAST OF SWIFTWATER

07288835

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
JUN 28...	1100	480	8.3	29.5	5.7	0.040	<0.010	1.5	0.400	0.220	5.3

331753091011400 - MAIN CANAL SOUTHEAST OF SWIFTWATER

07288836

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
JUN 28...	1200	524	8.1	31.0	9.0	0.520	<0.010	1.8	0.320	0.160	5.9

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

265

YAZOO RIVER BASIN--Continued

STEELE BAYOU DRAINAGE BASIN STUDY--Continued

07288838 - MAIN CANAL NR WAYSIDE, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAR 08...	1050	152	7.2	14.0	8.4	0.690	0.410	3.6	0.790	0.120	5.0
APR 19...	1200	434	7.8	19.0	7.2	0.560	0.160	0.80	0.280	0.140	4.8
MAY 24...	1500	305	7.6	24.5	6.8	1.10	0.180	1.3	0.300	0.120	4.6
JUN 28...	1300	527	8.1	29.5	6.6	0.750	0.020	1.9	0.330	0.160	6.0
JUL 24...	1700	278	7.9	30.0	8.0	0.900	0.650	11	0.330	0.190	10
AUG 27...	1700	578	8.5	32.0	12.0	0.080	0.020	1.2	0.360	0.220	5.1
SEP 18...	1500	422	8.2	29.5	8.8	0.180	0.090	1.9	0.630	0.350	7.4

331312091013200 - GRANICUS BAYOU NR AVON

07288839

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JUN 28...	1330	477	8.2	31.0	10.3	0.330	<0.010	1.3	0.290	0.150	5.0

331122091011800 - GRANICUS BAYOU NR JAMES

07288840

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JUN 28...	1400	478	8.0	30.5	6.9	0.070	0.020	1.0	0.240	0.130	5.0

331150090573600 - UNNAMED DITCH NR JAMES

07288841

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JUN 29...	0830	560	7.8	26.5	5.1	0.350	0.730	3.5	0.240	0.050	7.3

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
YAZOO RIVER BASIN--Continued
STEELE BAYOU DRAINAGE BASIN STUDY--Continued

07288842 - GRANICUS BAYOU NR HOLLANDALE, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAR 07...	1445	240	7.6	15.0	9.5	0.460	0.220	2.6	0.300	0.050	5.9
APR 19...	1600	227	7.9	20.5	9.6	0.620	0.040	1.1	0.360	0.070	7.5
MAY 24...	1345	145	6.9	25.0	5.8	1.20	0.410	2.2	0.560	0.070	5.2
JUN 29...	0900	704	7.9	27.5	5.5	0.530	0.130	1.7	0.150	0.050	7.4
JUL 24...	1400	741	7.9	28.5	6.1	0.850	0.990	8.0	0.140	0.070	6.6
AUG 27...	1500	945	8.2	28.5	7.7	0.140	0.060	1.2	0.230	0.140	4.3
SEP 18...	1230	818	7.6	27.0	6.2	0.360	0.970	3.3	0.350	0.150	6.7

330735091013700 - DITCH NO 14 NR ERWIN

07288842

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JUN 29...	1030	603	8.0	30.0	9.0	0.100	0.610	2.9	0.110	0.070	7.8
JUL 24...	1330	512	8.3	31.0	10.9	--	--	--	--	--	--

330830090581600 - SWAN LAKE TRIBUTARY NR PERCY

07288842

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
JUN 29...	1200	236	7.4	28.0	1.6	0.060	<0.010	1.5	0.170	0.040	5.5
JUL 24...	1300	450	7.8	26.5	6.0	--	--	--	--	--	--

07288843 - BLACK BAYOU NR PERCY, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAR 07...	1200	167	7.4	15.5	8.2	0.600	0.120	1.7	0.410	0.080	4.5
APR 20...	0900	233	7.9	19.5	7.1	0.840	0.120	3.5	1.10	0.070	5.7
MAY 24...	1200	209	7.2	22.0	5.8	1.30	0.210	1.8	0.450	0.110	4.1
JUN 28...	0930	560	--	22.5	4.7	0.430	0.490	3.0	0.340	0.140	6.9
JUL 24...	1230	623	8.0	27.5	6.6	1.50	0.280	3.2	0.360	0.120	5.4
AUG 27...	1400	778	8.2	30.0	6.4	0.080	0.030	1.4	0.550	0.240	6.4
SEP 18...	1115	610	7.7	25.5	5.5	0.320	0.060	2.0	0.330	0.180	6.1

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

267

YAZOO RIVER BASIN--Continued

STEELE BAYOU DRAINAGE BASIN STUDY--Continued

07288844 - GRANNY BAKER BAYOU NR JAMES, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
MAR 08...	1215	138	7.4	14.5	9.1	0.420	0.180	3.7	0.810	0.080	4.5
APR 20...	1700	338	7.6	19.5	6.3	0.620	0.090	0.70	0.220	0.070	4.9
MAY 24...	1430	241	7.0	23.5	5.0	1.40	0.280	1.6	0.350	0.110	4.9
JUN 29...	1000	373	7.9	29.5	6.0	0.320	0.040	1.9	0.270	0.090	6.2
JUL 24...	1330	393	7.8	29.0	3.9	1.00	0.760	2.2	0.210	0.080	4.4
AUG 27...	1430	582	8.2	30.0	4.4	0.060	0.020	1.2	0.320	0.190	4.9
SEP 18...	1200	312	7.4	27.0	2.2	0.060	0.050	1.7	0.330	0.150	6.8

330426090573900 - STEELE BAYOU NR PANTHER BURN 07288845

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
JUN 29...	1300	521	8.2	32.0	10.3	0.050	<0.010	1.9	0.240	0.060	6.9

07288847 - STEELE BAYOU NR GLEN ALLAN, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
MAR 07...	1100	124	6.9	14.5	7.5	0.520	0.170	1.4	0.400	0.060	4.5
APR 20...	1000	215	7.2	19.0	6.2	0.580	0.210	1.5	0.380	0.030	5.6
MAY 24...	1100	169	6.6	22.0	5.1	1.30	0.240	1.6	0.440	0.110	3.4
JUN 27...	1515	450	--	27.5	16.1	<0.020	0.010	2.6	0.200	0.040	6.5
JUL 24...	1130	566	7.6	29.5	4.8	1.30	0.380	2.6	0.250	0.070	5.4
AUG 27...	1330	822	7.9	33.0	4.2	0.220	0.020	1.4	0.290	0.200	5.6
SEP 18...	1030	582	7.4	27.5	4.2	0.210	0.210	1.8	0.360	0.140	5.4

07288860 - STEELE BAYOU NR GRACE, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L) AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L) AS N) (00610)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L) AS N) (00625)	PHOS- PHORUS TOTAL (MG/L) AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L) AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L) AS C) (00680)
JUN 29...	1400	413	7.9	30.5	7.7	0.130	0.110	4.7	0.540	0.160	8.5

WATER-QUALITY DATA COLLECTED DURING SHORT-TERM STUDIES
 WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
 YAZOO RIVER BASIN--Continued
 STEELE BAYOU DRAINAGE BASIN STUDY--Continued

07288870

- STEELE BAYOU EAST PRONG NR ROLLING FORK, MS

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (US/CM) (00095)	PH (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	OXYGEN, DIS- SOLVED (MG/L) (00300)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N) (00610)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	PHOS- PHORUS DIS- SOLVED (MG/L AS P) (00666)	CARBON, ORGANIC TOTAL (MG/L AS C) (00680)
MAR											
07...	0920	130	6.8	14.5	7.8	0.490	0.170	1.5	0.350	0.060	4.1
APR											
20...	1100	236	7.1	20.5	6.9	0.370	0.170	1.2	0.270	0.040	4.6
MAY											
24...	0930	160	6.5	22.0	5.6	1.20	0.180	1.9	0.580	0.130	2.7
JUN											
27...	0900	360	--	22.0	6.5	<0.020	0.010	1.3	0.240	0.040	6.5
JUL											
24...	1000	464	7.1	27.5	4.2	0.470	0.020	2.0	0.160	0.030	4.7
AUG											
27...	1200	765	7.1	33.0	1.7	0.050	0.020	1.3	0.160	0.090	5.7
SEP											
18...	0930	795	7.9	27.0	5.5	0.030	0.060	1.6	0.200	0.120	3.9

ADAMS COUNTY

313330091223702. Local number, C002.

LOCATION.--Lat 31°33'30", long 91°22'37", in irregular sec.16, T.7 N., R.3 W., Washington Meridian, Adams County, Hydrologic Unit 08060204, at city water treatment plant on Brenham Avenue in Natchez.

Owner: City of Natchez.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth 607 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 237.73 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

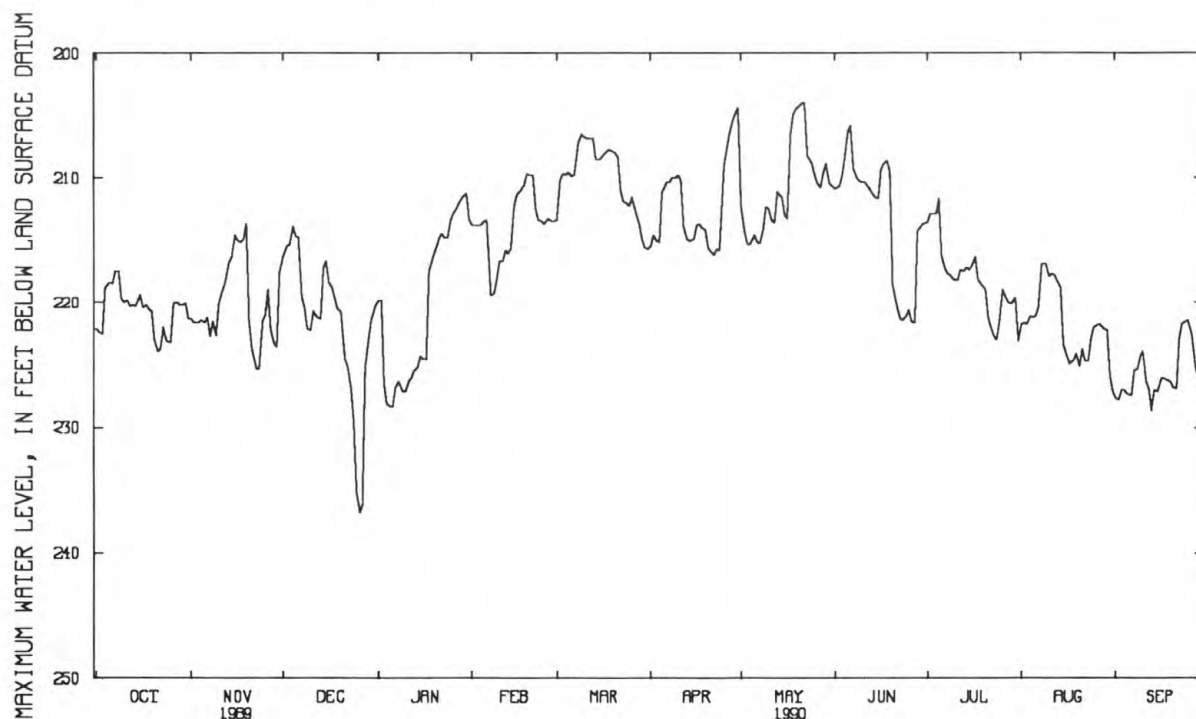
PERIOD OF RECORD.--Miscellaneous water-level measurements, August 1940, September 1955, periodic water-level measurements June 1980 to July 1982, August 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 188.23 ft below land-surface datum, Aug. 5, 1940, lowest, 271.72 ft below land-surface datum, Jan. 23, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	218.39	221.59	214.63	228.40	213.39	209.53	211.12	214.57	206.29	211.58	221.20	227.34
10	219.96	220.04	222.17	227.15	216.65	206.67	209.78	212.38	210.34	218.14	217.89	223.82
15	219.33	214.52	216.71	224.36	212.23	208.52	214.93	212.95	211.61	217.33	223.45	227.12
20	223.01	221.41	220.78	215.54	209.74	207.96	215.60	204.27	218.59	218.91	225.12	226.77
25	223.23	221.00	235.08	213.46	213.65	212.21	208.97	209.71	220.66	221.64	221.91	221.43
EOM	221.24	217.60	220.26	213.27	213.42	215.68	204.34	210.67	213.63	223.07	227.10	225.52

WTR YR 1990 MEAN 217.35 HIGH 204.00 MAY 21 LOW 236.75 DEC 26



GROUND-WATER LEVELS

ADAMS COUNTY--Continued

313256091214201. Local number, C067.

LOCATION.--Lat 31°32'56", long 91°21'42", in NW4NW4 Lot 87, T.7 N., R.2 W., Washington Meridian, Adams County, Hydrologic Unit 08060204, on Liberty Road, 2.0 mi east of center of Natchez.

Owner: Johns Manville Company.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 436 ft, cased to 392 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 116.92 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

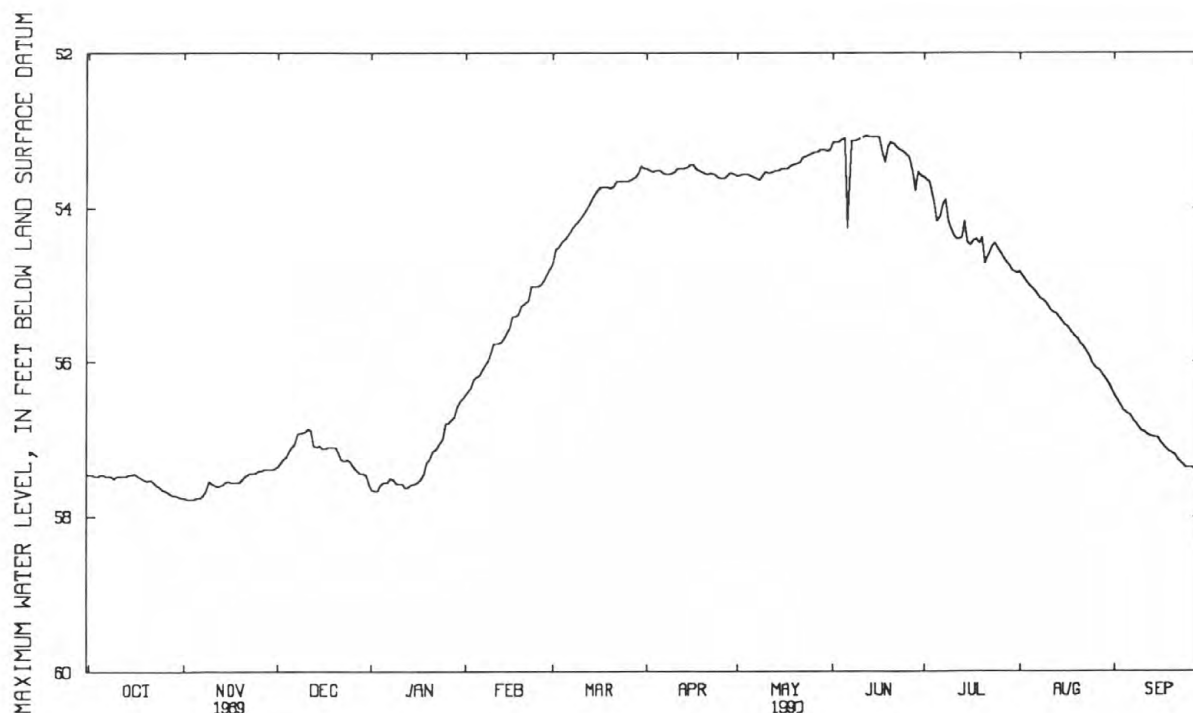
PERIOD OF RECORD.--Miscellaneous water-level measurements April 1961 to May 1982, June 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 55.20 ft below land-surface datum, Jul. 20, 1989, lowest, 80.18 ft below land-surface datum, July 25, 1963.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	57.48	57.77	57.17	57.57	56.18	54.42	53.51	53.59	53.10	54.17	55.02	56.67
10	57.50	57.58	56.91	57.59	55.77	54.15	53.54	53.54	53.10	54.29	55.26	56.90
15	57.47	57.55	57.10	57.58	55.57	53.82	53.44	53.50	53.08	54.44	55.46	56.99
20	57.55	57.54	57.11	57.27	55.25	53.75	53.56	53.43	53.16	54.39	55.71	57.19
25	57.65	57.43	57.30	56.81	55.01	53.67	53.63	53.30	53.31	54.53	56.02	57.36
EOM	57.77	57.40	57.59	56.48	54.83	53.49	53.58	53.25	53.59	54.84	56.35	57.47

WTR YR 1990 MEAN 55.53 HIGH 53.07 JUN 12 LOW 57.79 NOV 3



ADAMS COUNTY--Continued

313605091202201. Local number, D001.

LOCATION.--Lat 31°36'05", long 91°20'22", in sec.12, T.7 N., R.2 W., Washington Meridian, Adams County, Hydrologic Unit 08060204, at power plant, 5.0 mi northeast of center of Natchez.

Owner: Mississippi Power and Light Company.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 456 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 192.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.60 ft above land-surface datum.

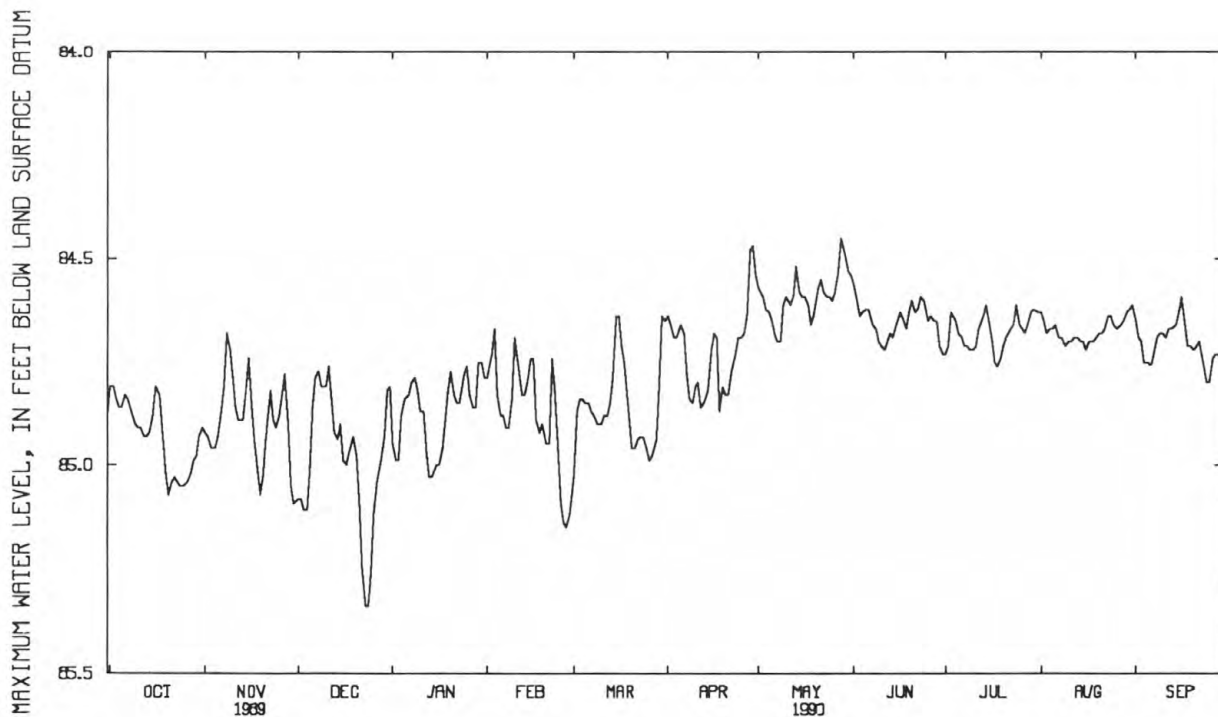
PERIOD OF RECORD.--Periodic water-level measurements June 1975 to March 1983, April 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 80.30 ft below land-surface datum, Oct. 8, 1981, lowest, 102.97 ft below land-surface datum, Aug. 30, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	84.86	84.93	85.01	84.84	84.88	84.85	84.66	84.65	84.62	84.68	84.67	84.75
10	84.91	84.79	84.81	84.87	84.69	84.90	84.81	84.59	84.71	84.72	84.70	84.68
15	84.88	84.74	84.90	85.00	84.74	84.64	84.72	84.59	84.66	84.65	84.70	84.63
20	85.07	85.03	84.98	84.77	84.95	84.96	84.83	84.57	84.60	84.71	84.68	84.72
25	85.05	84.88	85.26	84.76	85.09	84.96	84.69	84.60	84.65	84.66	84.66	84.80
EOM	84.91	85.09	84.81	84.79	85.12	84.65	84.54	84.54	84.73	84.63	84.61	84.74

WTR YR 1990 MEAN 84.79 HIGH 84.45 MAY 28 LOW 85.34 DEC 23 AND OTHERS



GROUND-WATER LEVELS

CHOCTAW COUNTY

331849089105101. Local number, H001.

LOCATION.--Lat 33°18'49", long 89°10'51", in NE¼NE¼ sec.30, T.17 N., R.11 E., Choctaw Meridian, Choctaw County, Hydrologic Unit 03180001, 0.2 mi west of center of Ackerman.

Owner: Town of Ackerman.

AQUIFER.--Sand of Wilcox Formation of early Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 100 ft, cased to 76 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 518 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 1.50 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--Miscellaneous water-level measurements January 1957, October 1969, February 1981 to current year.

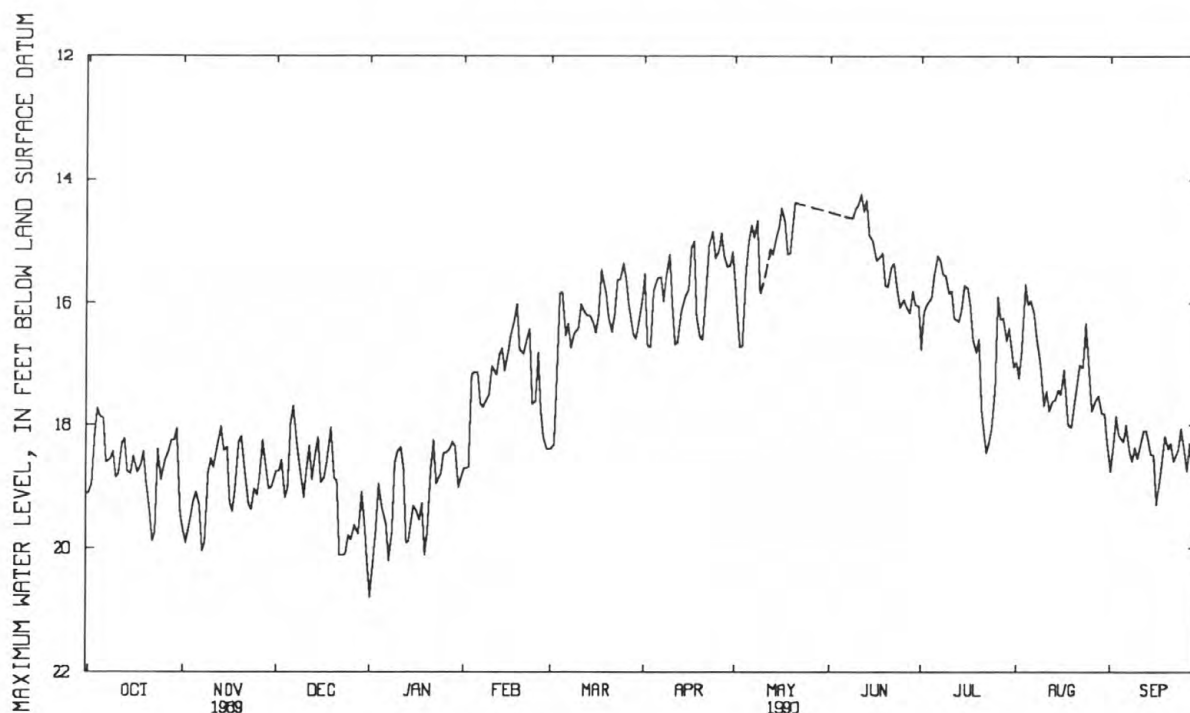
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 13 ft below land-surface datum, Oct. 1, 1969, lowest, 28.72 ft below land-surface datum, Dec. 23, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	17.88	19.10	19.06	19.35	17.14	15.83	15.59	15.01	---	15.56	16.04	18.28
10	18.88	18.54	19.18	18.43	17.06	16.43	16.04	---	14.41	15.85	17.69	18.56
15	18.79	18.38	18.21	19.33	16.82	16.32	15.79	14.79	14.99	15.71	17.44	18.48
20	18.93	18.19	18.87	19.75	16.85	16.25	16.62	14.37	15.73	16.60	17.69	18.39
25	18.89	19.14	19.81	18.46	16.83	15.34	15.17	---	15.95	17.43	16.96	18.34
EOM	19.46	19.03	20.22	18.88	18.40	15.97	15.17	---	16.05	17.08	18.30	18.91

WTR YR 1990

HIGH 14.24 JUN 11 LOW 20.80 JAN 1



CLAY COUNTY

333712088384601. Local number, H046.

LOCATION.--Lat 33°37'12", long 88°38'46", in NE¼NW¼ sec.11, T.17 S., R.6 E., Chickasaw Meridian, Clay County, Hydrologic Unit 03160104, on east side of Illinois Central Railroad, 1.0 mi northeast of center of West Point.

Owner: City of West Point.

AQUIFER.--Sand and gravel of Gordo Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 810 ft, cased to 750 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 240 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 2.10 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--Miscellaneous water-level measurements July 1963, May 1969, periodic water-level measurements

January 1971 to December 1980, January 1981 to current year.

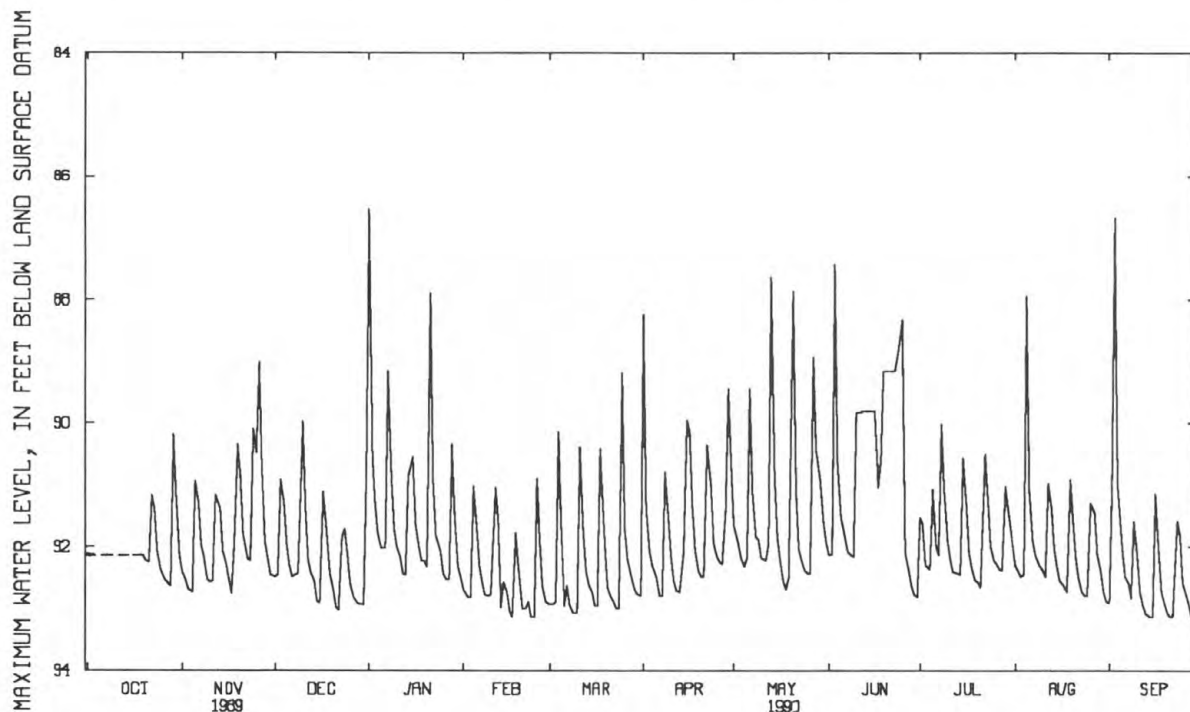
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 27.95 ft below land-surface datum, July 16, 1963, lowest, 93.15 ft below land-surface datum, Sept. 14, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	90.93	91.96	92.02	91.68	91.66	92.47	92.18	91.52	91.07	87.94	92.05
10	---	92.58	89.99	92.01	92.77	93.08	92.14	92.18	89.85	91.89	92.39	92.00
15	---	92.28	92.90	90.55	92.72	92.73	89.97	91.85	89.83	90.57	92.33	93.15
20	92.24	90.88	92.69	92.33	93.01	92.67	92.49	87.87	89.17	92.58	91.58	93.07
25	92.37	90.48	92.11	92.43	90.89	89.20	92.17	92.44	88.33	92.22	92.80	92.60
EOM	92.13	92.45	90.74	92.48	92.88	92.79	90.59	91.94	92.82	91.99	92.90	91.47

WTR YR 1990

HIGH 86.53 JAN 1 LOW 93.15 SEP 14 AND OTHERS



GROUND-WATER LEVELS
CLAY COUNTY--Continued

333509088402801. Local number, H099.

LOCATION.--Lat 33°35'09", long 88°40'28", in NE4NW4 sec.21, T.17 S., R.6 E., Chickasaw Meridian, Clay County, Hydrologic Unit 03160104, 1.0 mi southwest of city of West Point.

Owner: City of West Point.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous Age.

WELL CHARACTERISTICS.-- Drilled unused artesian well, diameter 12 in, depth 400 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 200 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 2.35 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--Miscellaneous water-level measurements November 1971, August 1976, April 1985 to current year.

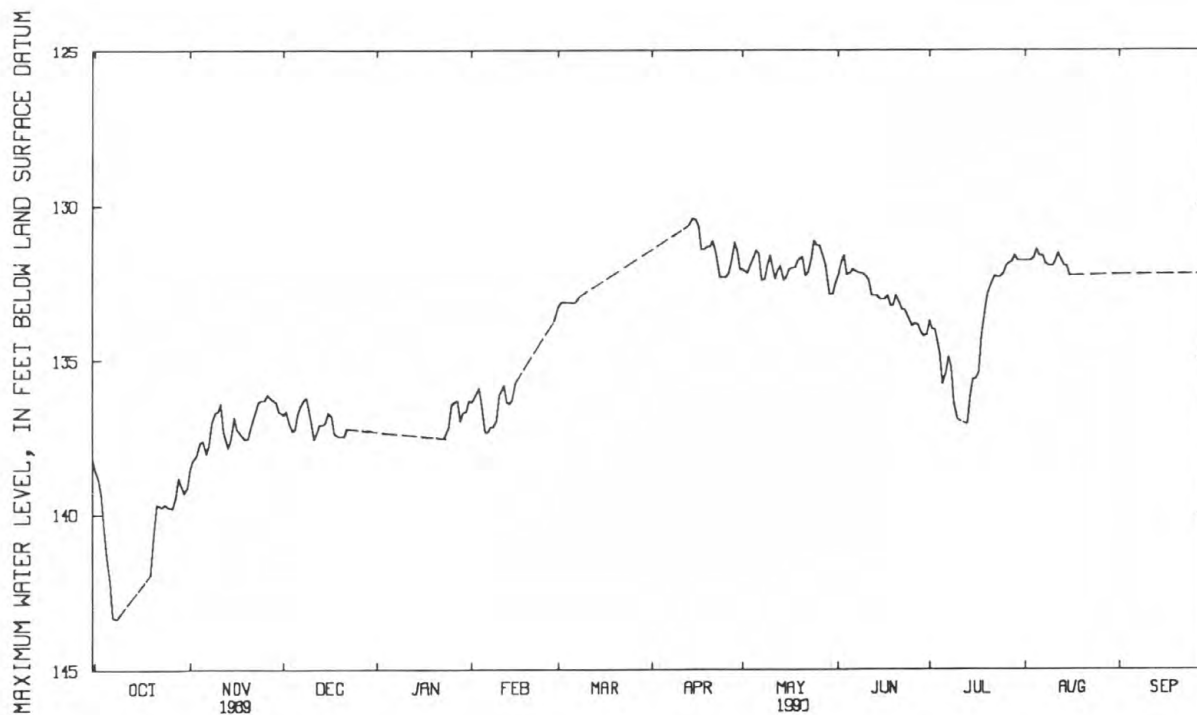
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 130.17 ft below land-surface datum Apr. 14, 1990, lowest, 182.42 ft below land-surface datum, Aug. 26, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	141.34	137.63	137.27	---	137.37	---	---	131.49	132.21	135.77	131.42	
10	---	136.71	137.07	---	136.14	---	---	131.63	132.27	136.93	131.97	
15	---	136.88	137.04	---	135.73	---	130.47	132.33	133.04	135.65	131.99	
20	140.84	137.54	137.53	---	---	---	131.32	131.66	132.94	132.86	---	
25	139.76	136.31	---	136.48	---	---	132.33	131.30	133.92	132.21	---	
EOM	139.13	136.70	---	136.34	133.75	---	132.06	132.52	134.21	131.78	---	

WTR YR 1990

HIGH 130.43 APR 14 LOW 143.38 OCT 8



FORREST COUNTY

312115089193601. Local number, B006.

LOCATION.--Lat 31°21'15", long 89°19'36", in SE4NW4 sec.32, T.5 N., R.13 W., St. Stephens Meridian, Forrest County, on Lakeview Road, 2.8 mi north west of center of Hattiesburg.

Owner: City of Hattiesburg.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 444 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 167.27 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 4.50 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

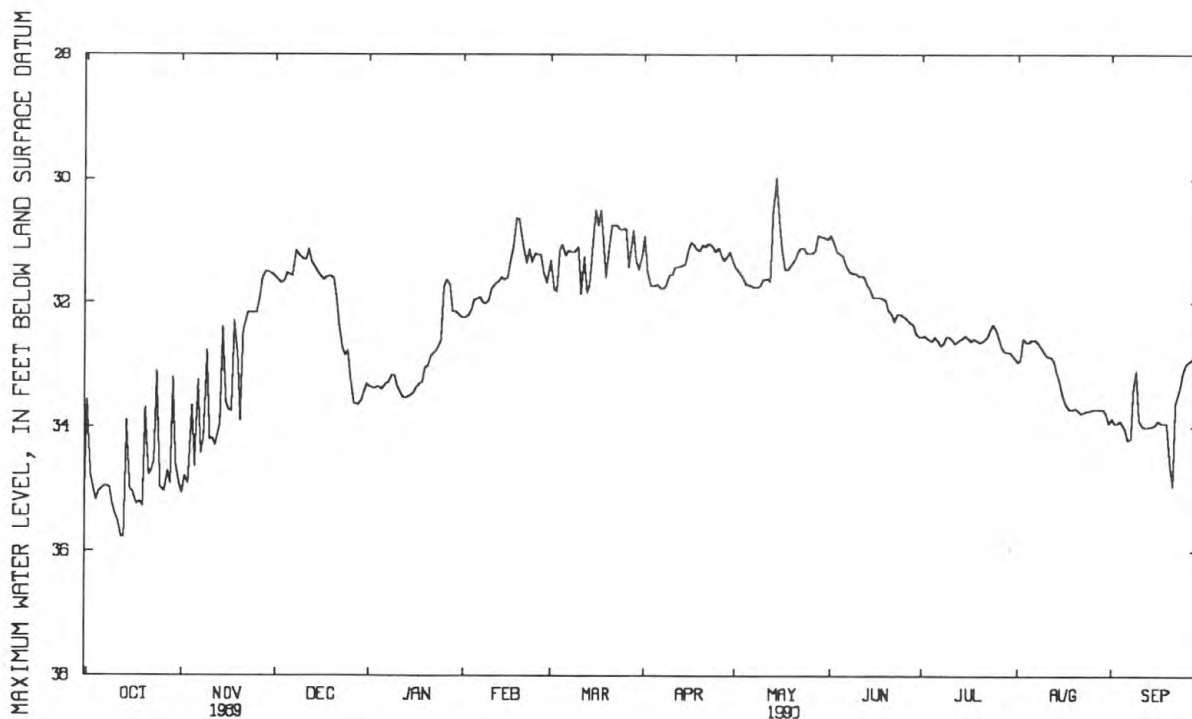
PERIOD OF RECORD.--Miscellaneous water-level measurements September 1955, May 1981, August 1981, October 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 9.0 ft below land-surface datum, Sept. 1, 1955, lowest, 37.72 ft Dec. 13, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	35.05	34.64	31.53	33.40	31.94	31.07	31.72	31.71	31.26	32.55	32.65	34.04
10	35.42	34.21	31.30	33.34	31.77	31.11	31.56	31.65	31.58	32.56	32.82	33.90
15	35.02	33.63	31.51	33.47	31.60	31.01	31.15	30.63	31.92	32.54	33.25	33.96
20	33.68	33.89	31.63	33.04	31.10	31.21	31.08	31.31	32.12	32.65	33.69	34.67
25	34.98	32.17	32.77	31.76	31.24	30.83	31.13	31.22	32.23	32.45	33.73	33.00
EOM	34.93	31.52	33.30	32.23	31.70	31.25	31.33	30.99	32.56	32.89	33.93	32.96

WTR YR 1990 MEAN 32.49 HIGH 29.98 MAY 14 LOW 35.78 OCT 13



HARRISON COUNTY

302355088540301. Local number, M120.

LOCATION.--Lat 30°23'55", long 88°54'03", in NW4SE4 sec.26, T.7 S., R.9 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170004, at Howard Avenue and Querens Street, 1.0 mi west of center of Biloxi.

Owner: City of Biloxi.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth reported 928 ft, sounded to 660 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 21.28 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in flange, 3.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--Miscellaneous water-level measurements 1903, periodic water-level measurements January 1945 to June 1946, March 1954 to current year.

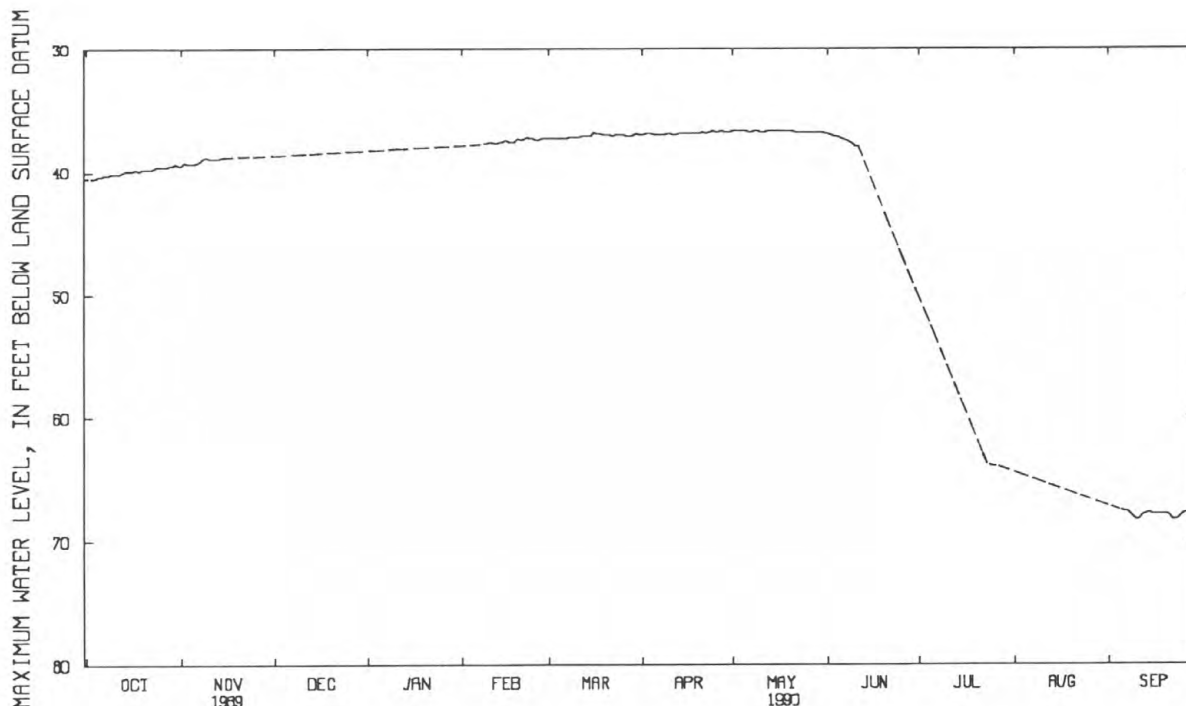
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 44.0 ft above land-surface datum, 1903, lowest, 79.14 ft below land-surface datum, Aug. 5, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	40.44	39.32			---	37.31	36.97	36.69	37.19	---		67.53
10	40.18	38.87			37.57	37.20	36.86	36.71	37.88	---		68.33
15	39.98	---			37.46	37.05	36.91	36.59	---	---		67.81
20	39.87	---			37.42	37.00	36.87	36.68	---	---		67.88
25	39.62	---			37.44	37.04	36.73	36.74	---	63.99		67.90
EOM	39.45	---			37.35	36.97	36.75	36.84	---	---		67.63

WTR YR 1990

HIGH 36.59 MAY 15 LOW 68.33 SEP 10



HARRISON COUNTY--Continued

302406088593201. Local number, M544.

LOCATION.--Lat 30°24'06", long 88°59'32", in NW4SE4 sec.28, T.7 S., R.10 W., St. Stephens Meridian, Harrison County,

Hydrologic Unit 03170009, at Edgewater Subdivision, Lakeview Drive, north of Pass Road, near center of Biloxi. Owner: City of Biloxi.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 800 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 25 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 1/2-in. plastic plug, top of seal, 1.00 ft above land-surface datum.

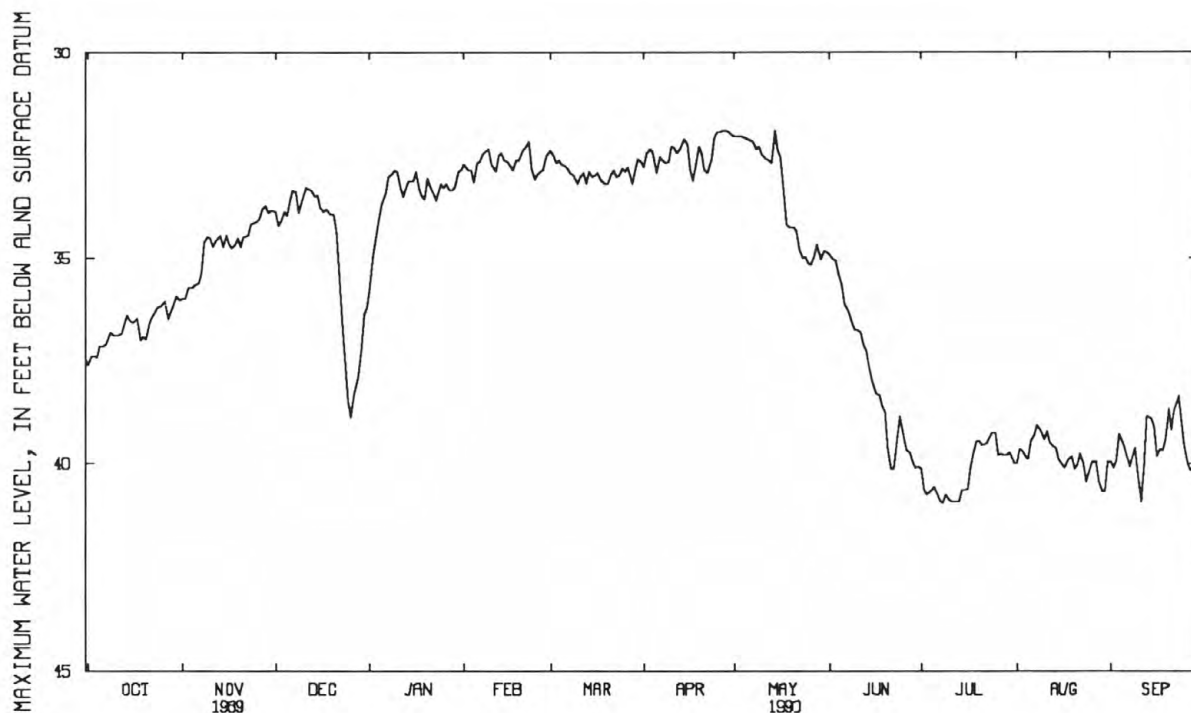
PERIOD OF RECORD.--Miscellaneous water-level measurements June 1969, October 1981, April 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 19.49 ft above land-surface datum, Apr. 23, 1983, lowest, 42.25 ft below land-surface datum, July 2, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	37.12	35.63	33.98	33.70	32.69	32.72	32.90	32.11	35.65	40.58	39.90	39.57
10	36.85	34.52	33.50	32.89	32.70	33.18	32.26	32.46	36.74	40.88	39.43	40.30
15	36.54	34.45	33.46	33.11	32.64	33.01	32.24	32.38	37.99	40.65	39.90	39.11
20	36.97	34.73	33.92	33.06	32.38	33.20	32.43	34.23	39.67	39.45	40.14	38.67
25	36.15	34.11	38.49	33.29	32.96	32.81	31.93	35.11	39.37	39.26	40.22	39.59
EOM	36.00	33.84	36.17	32.84	32.49	32.65	31.99	34.87	40.08	40.01	39.97	39.43

WTR YR 1990 MEAN 35.74 HIGH 31.88 APR 27 AND OTHERS LOW 40.96 JUL 8



HINDS COUNTY

321945090152201. Local number, G125.

LOCATION.--Lat 32°19'45", long 90°15'22", in SE4SW4 sec.25, T.6 N., R.1 W., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, at Clinton Boulevard and Dixon Road, 5 mi northwest of center of Jackson.

Owner: Shady Oaks Country Club.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 852 ft, cased to 802 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 372 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

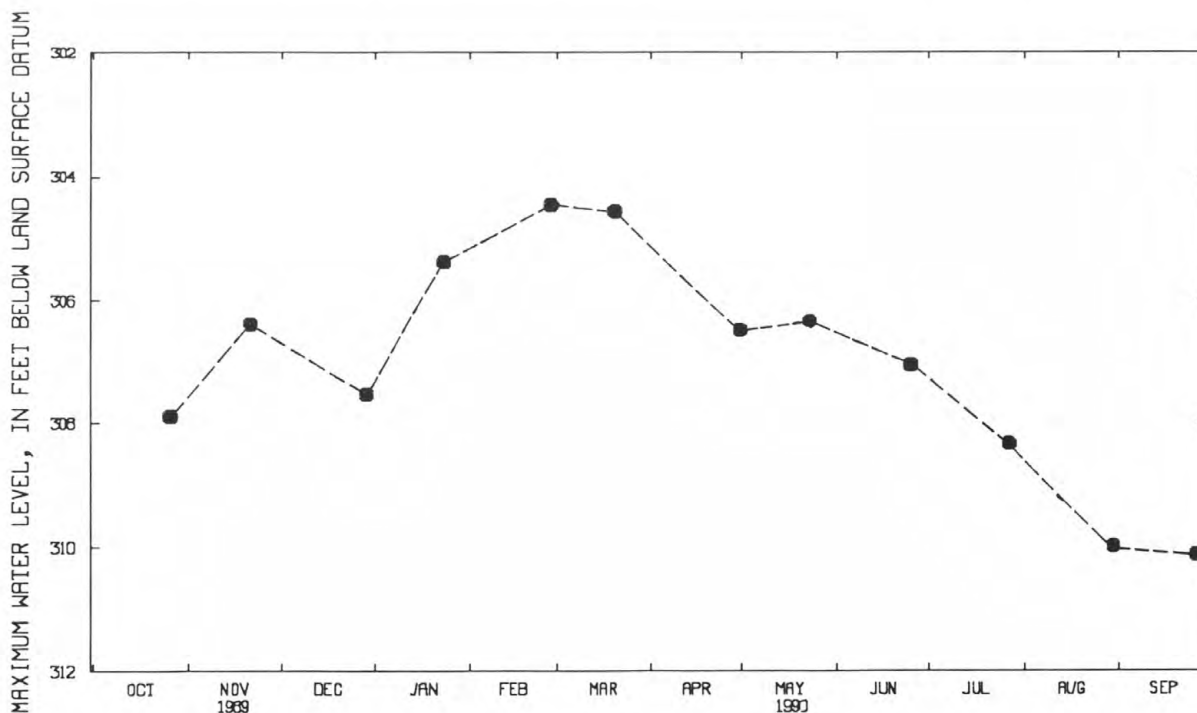
Measuring point: Top of 4-in coupling, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--Miscellaneous water-level measurement 1928, periodic water-level measurements September 1944 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 160.0 ft below land-surface datum, 1928, lowest measured, 310.13 ft below land-surface datum, Sept. 26, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	307.90	DEC 29	307.54	FEB 27	304.46	APR 30	306.50	JUN 25	307.06	AUG 30	309.99
NOV 21	306.40	JAN 23	305.39	MAR 20	304.56	MAY 23	306.35	JUL 27	308.34	SEP 26	310.13



HINDS COUNTY--Continued

321957090105601. Local number, H155.

LOCATION.--Lat 32°19'57", long 90°10'56", in NW4SE4 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: Mississippi Bureau of Geology.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well (test hole), diameter 4 in, depth 158 ft.

INSTRUMENTATION.--Monthly measurement with chalked tape by USGS personnel.

DATUM.--Land-surface datum is 330 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

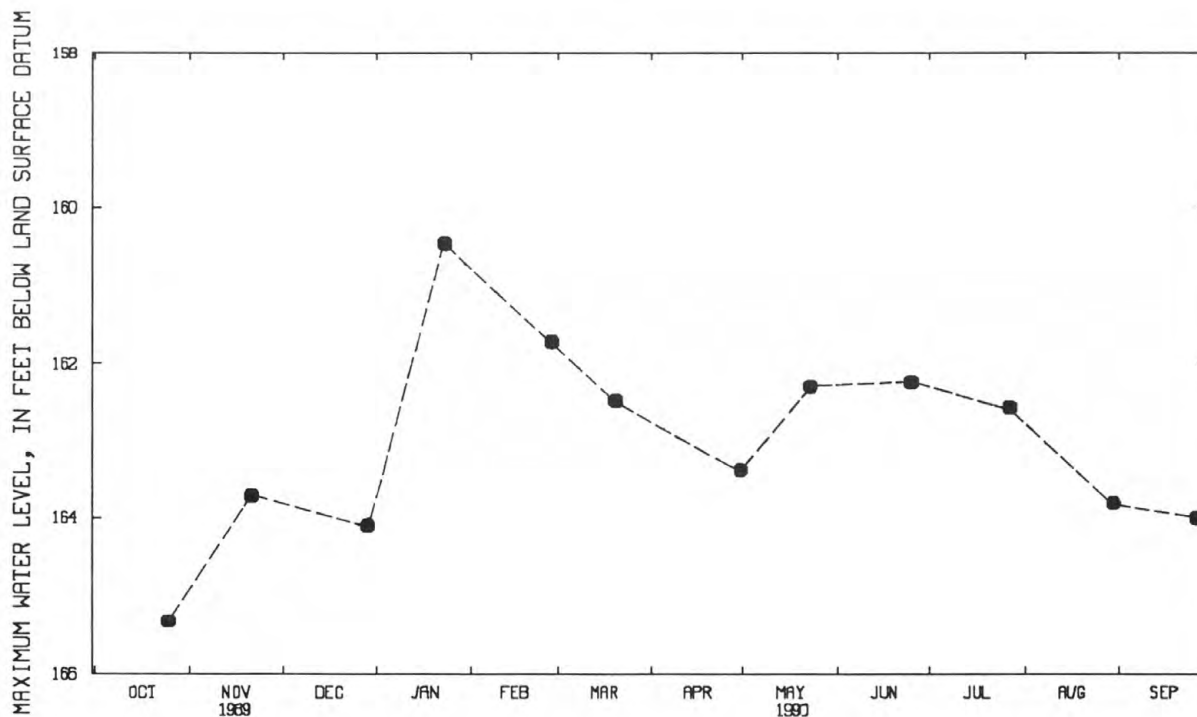
Measuring point: Top of casing, 40 ft above land-surface datum.

PERIOD OF RECORD.--Periodic water-level measurements July 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 143.13 ft below land-surface datum, July 11, 1972, lowest measured, 165.90 ft below land-surface datum, Nov. 22, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	165.33	DEC 29	164.11	FEB 27	161.73	APR 30	163.39	JUN 25	162.25	AUG 30	163.82
NOV 21	163.72	JAN 23	160.47	MAR 20	162.49	MAY 23	162.30	JUL 27	162.58	SEP 26	164.01



GROUND-WATER LEVELS

ITAWAMBA COUNTY

341604088244601. Local number, G067. (USCE 106B)

LOCATION.--Lat 34°16'04", long 88°24'46", in SW4SE4 sec.25, T.9 S., R.8 E., Choctaw Meridian, Itawamba County, Hydrologic Unit 03160101, along railroad track, 0.6 mi southeast of center of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 175 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 284 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Base of recorder house floor, 3.80 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

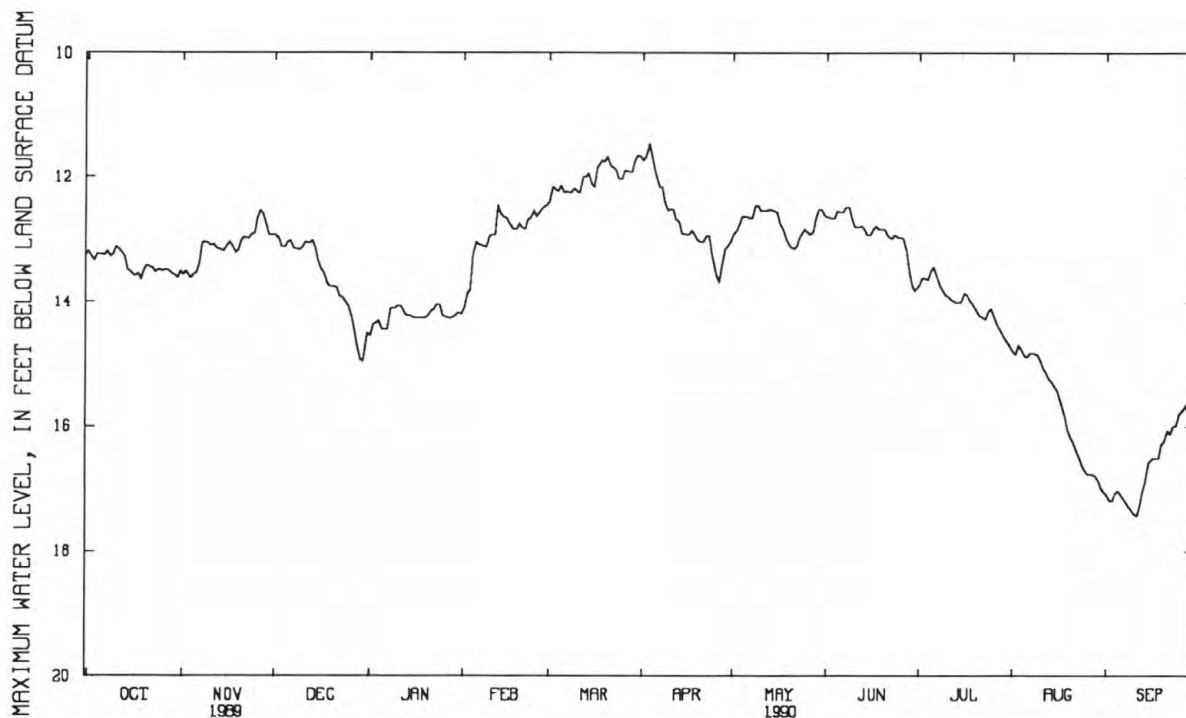
PERIOD OF RECORD.--June 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 8.17 ft below land-surface datum, June 8, 1978, lowest, 44.16 ft below land-surface datum, Oct. 2, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.22	13.51	13.02	14.44	13.03	12.13	11.88	12.62	12.56	13.49	14.87	17.05
10	13.11	13.09	13.11	14.05	12.92	12.21	12.50	12.53	12.77	13.87	14.96	17.40
15	13.55	13.08	13.33	14.24	12.63	12.11	12.92	12.55	12.92	13.98	15.35	16.60
20	13.40	13.01	13.75	14.21	12.79	11.65	13.02	13.11	12.81	14.14	16.19	16.26
25	13.50	12.64	14.06	14.21	12.62	12.02	13.59	12.87	12.95	14.09	16.72	15.80
EOM	13.50	12.90	14.51	14.20	12.45	11.66	13.03	12.59	13.82	14.71	17.07	15.92

WTR YR 1990 MEAN 13.66 HIGH 11.46 APR 3 LOW 17.44 SEP 11



JASPER COUNTY

315313088583302. Local number, Q047.

LOCATION.--Lat 31°53'13", long 88°58'33", in NW4 sec.33, T.1 N., R.10 W., Choctaw Meridian, Jasper County, Hydrologic Unit 03170005, in Heidelberg Industrial Park, 1.0 mi east of center of Heidelberg.

Owner: City of Heidelberg.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 2,680 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 375 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 1.00 ft above land-surface datum.

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

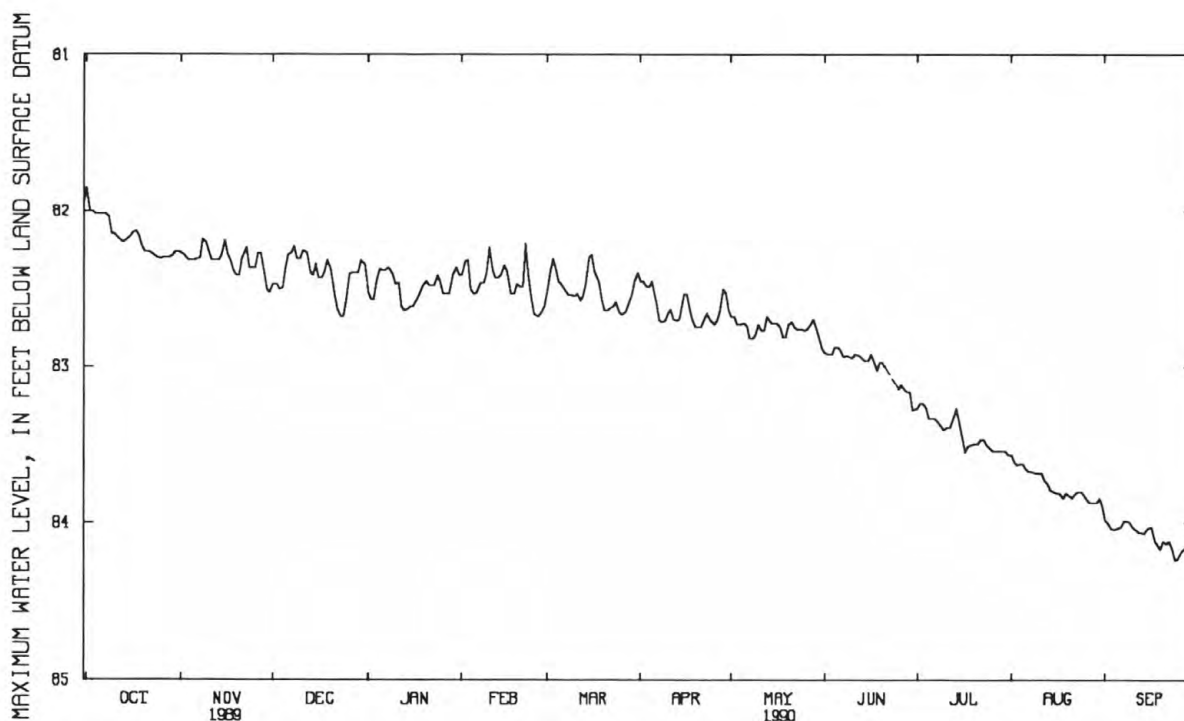
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 67.01 ft below land-surface datum, Feb. 5, 1986, lowest, 84.24 ft below land-surface datum, Sept. 30, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	82.02	82.32	82.37	82.37	82.53	82.45	82.45	82.72	82.87	83.33	83.62	84.03
10	82.15	82.26	82.31	82.47	82.24	82.55	82.66	82.73	82.95	83.40	83.68	84.02
15	82.16	82.19	82.34	82.61	82.35	82.30	82.53	82.72	82.96	83.35	83.80	84.03
20	82.26	82.42	82.37	82.45	82.49	82.64	82.75	82.73	82.97	83.49	83.83	84.11
25	82.31	82.36	82.58	82.46	82.67	82.65	82.73	82.77	83.14	83.52	83.82	84.23
EOM	82.26	82.52	82.34	82.42	82.61	82.40	82.63	82.88	83.28	83.57	83.89	84.24

WTR YR 1990

HIGH 81.85 OCT 1 LOW 84.24 SEP 24 AND OTHERS



GROUND-WATER LEVELS

JONES COUNTY

314210089084401. Local number, C034.

LOCATION.--Lat 31°42'47", long 89°08'44", in SW4SE4 sec.31, T.9 N., R.11 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170005, at 10th Avenue and 8th Street, north of center of Laurel.

Owner: City of Laurel.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18-12 in, depth 383 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 276 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 1-in hole in pump base plate, 0.75 ft above land-surface datum.

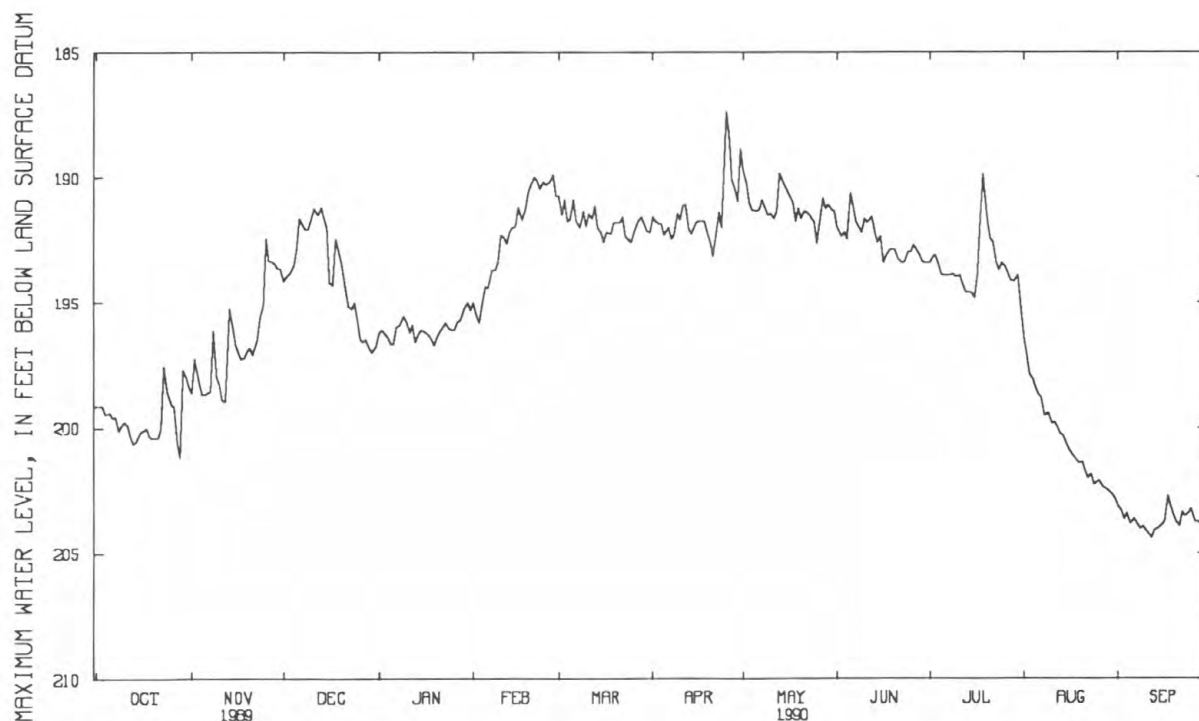
REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--Miscellaneous water-level measurement October 1945, September 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 127 ft below land-surface datum, Oct. 1, 1945, lowest, 216.39 ft below land-surface datum, June 9, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	199.43	198.66	192.89	196.66	194.36	191.68	192.27	191.34	190.60	193.87	198.39	203.83
10	199.79	198.27	191.60	195.78	192.29	191.92	191.64	191.46	191.60	193.97	199.87	204.10
15	200.17	196.72	191.97	196.10	191.94	192.15	191.79	190.50	192.34	194.59	200.66	203.96
20	200.41	196.84	193.47	196.39	190.25	191.79	192.57	191.62	192.83	191.76	201.36	203.81
25	199.06	192.47	195.65	196.12	190.24	192.55	187.33	192.60	192.96	193.38	202.22	203.29
EOM	198.42	193.63	196.76	195.30	190.73	192.19	188.85	191.30	193.41	195.06	202.87	203.60
WTR YR 1990	MEAN	195.23	HIGH	187.33	APR 25	LOW	204.43	SEP 12				



JONES COUNTY--Continued

313928089103001. Local number, F020.

LOCATION.--Lat 31°39'28", long 89°10'30", in NE4SE4 sec.14, T.8 N., R.12 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170005, 0.2 mi south of Laurel Airport and 5.0 mi southwest of center of Laurel.

Owner: City of Laurel.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 20-12 in, depth 466 ft, cased to 406 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 220 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 2.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

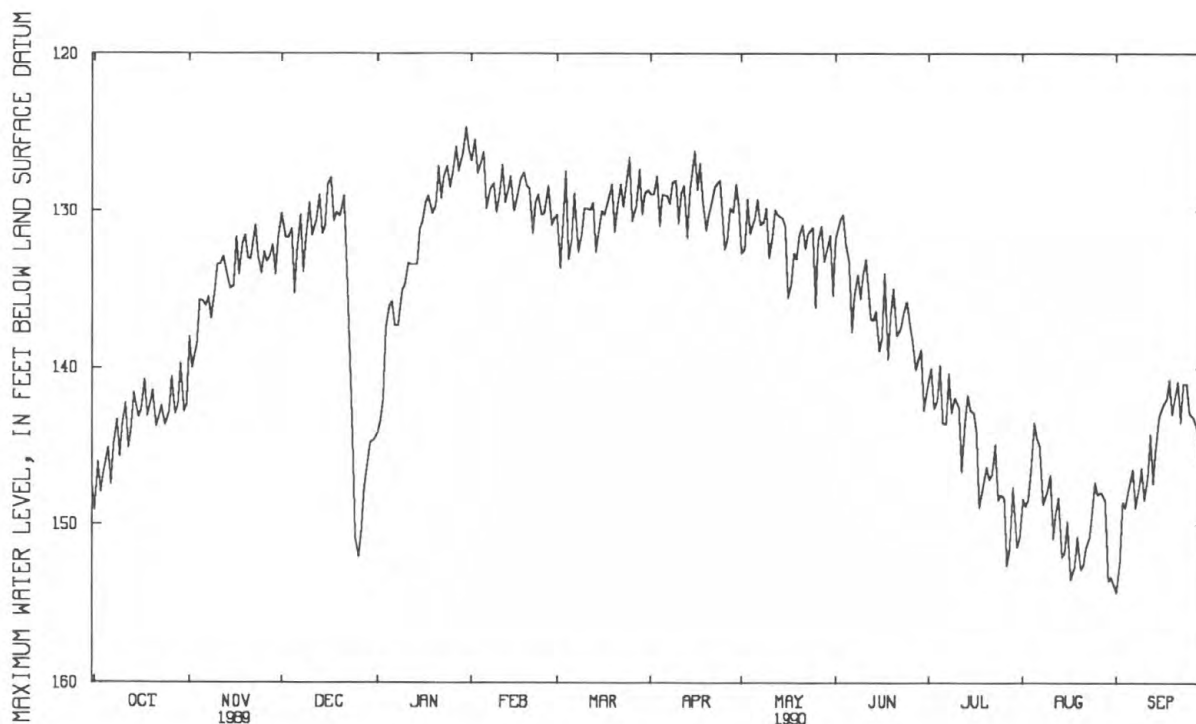
PERIOD OF RECORD.--February 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 118.8 ft below land-surface datum, Dec. 5, 1977, lowest, 202.39 ft below land-surface datum, Aug. 15, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	145.12	135.77	135.21	136.01	126.29	133.07	128.97	130.46	133.24	139.84	143.50	147.69
10	143.46	133.46	129.52	134.70	129.17	129.86	130.80	132.99	134.01	141.85	146.79	148.43
15	143.15	134.83	131.07	131.21	130.03	131.16	126.15	131.05	138.96	142.65	151.77	143.08
20	141.48	132.98	130.40	129.65	128.59	131.33	130.30	131.53	134.95	146.28	152.86	142.10
25	142.83	132.64	150.91	128.48	130.24	126.48	132.43	136.13	137.13	148.12	147.26	142.88
EOM	142.35	131.72	144.56	126.10	130.45	128.71	129.70	135.39	142.72	150.86	153.80	142.89

WTR YR 1990 MEAN 136.86 HIGH 124.60 JAN 30 LOW 154.29 SEP 1



GROUND-WATER LEVELS

LAFAYETTE COUNTY

342550089312801. Local number, B004.

LOCATION.--Lat 34°25'50", long 89°31'28", SW¼NW¼ sec.33, T.7 S., R.3 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030201, on west side of State Highway 7, 5.0 mi north of center of Oxford.

Owner: Champion Industries.

AQUIFER.--Sand of Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 248 ft, cased to 208 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 430 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

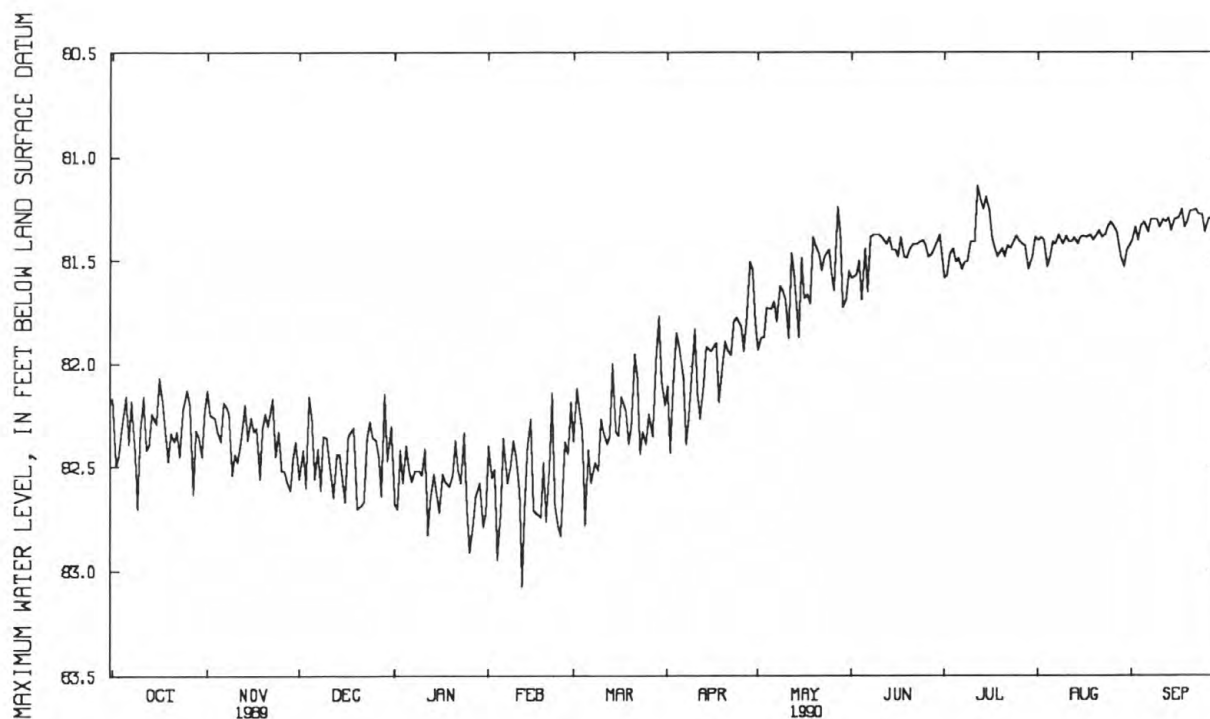
Measuring point: Top of concrete base, 1.80 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 79.40 ft below land-surface datum, June 16, 1980, lowest, 84.64 ft below land-surface datum, Feb. 15, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	82.16	82.38	82.26	82.40	82.72	82.78	81.91	81.74	81.44	81.51	81.49	81.31
10	82.33	82.44	82.36	82.54	82.45	82.27	81.83	81.69	81.37	81.41	81.38	81.34
15	82.29	82.26	82.56	82.63	82.27	82.33	81.94	81.49	81.45	81.19	81.39	81.30
20	82.34	82.24	82.70	82.54	82.76	82.31	81.89	81.43	81.45	81.44	81.37	81.26
25	82.13	82.52	82.36	82.70	82.83	82.39	81.82	81.57	81.43	81.38	81.31	81.36
EOM	82.23	82.38	82.30	82.72	82.19	82.20	81.80	81.55	81.37	81.39	81.43	81.25
WTR YR 1990 MEAN	81.98		HIGH	81.14	JUL 12	LOW	83.07	FEB 12				



LAFAYETTE COUNTY--Continued

342136089315001. Local number, F005.

LOCATION.--Lat 34°21'36", long 89°31'50", in NW4NE4 sec.29, T.8 S., R.3 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030203, at University of Mississippi, 1.0 mi southwest of center of Oxford.

Owner: University of Mississippi.

AQUIFER.--Sand of Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in., depth 113 ft, cased to 98 ft.

INSTRUMENTATION.--Water-level recorder--60-minute punch.

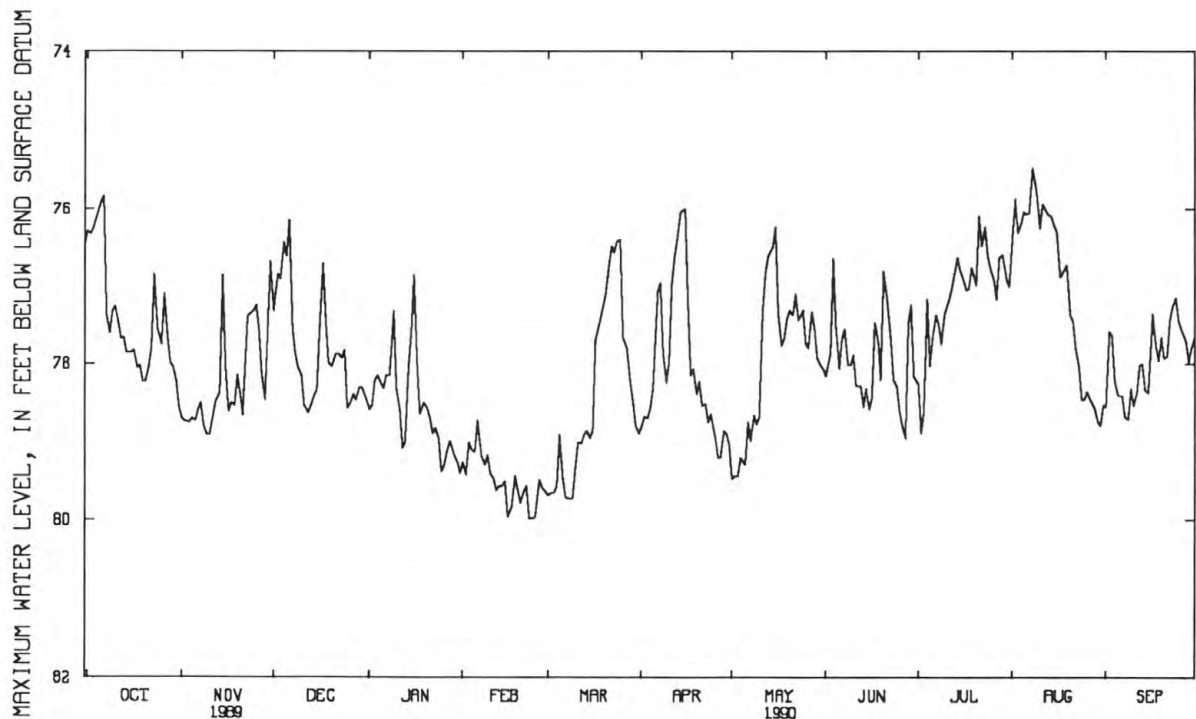
DATUM.--Land-surface datum is 460 ft above National Geodetic Vertical Datum of 1929 (from topographic map).
Measuring point: Top of concrete base, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--Miscellaneous water-level measurement 1962, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 71.14 ft below land-surface datum, Dec. 9, 1976,
lowest measured, 82.00 ft below land-surface datum, March 30, 1962.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	75.92	78.73	76.62	78.26	79.14	78.92	78.33	79.29	78.07	78.04	76.05	78.42
10	77.27	78.91	78.15	78.32	79.41	79.35	77.99	78.68	77.89	77.35	76.25	78.53
15	77.85	78.13	78.35	77.61	79.51	78.96	76.00	76.23	78.60	76.80	76.22	78.37
20	78.23	78.38	78.03	78.57	79.78	77.12	78.23	77.32	76.81	77.00	77.37	77.92
25	77.75	77.24	78.58	79.38	79.95	76.40	78.95	77.75	78.61	76.77	78.47	77.46
EOM	78.57	76.68	78.45	79.41	79.63	78.89	79.04	78.08	78.17	77.02	78.53	77.65
WTR YR 1990 MEAN	77.98		HIGH	75.49	AUG 8	LOW	79.97	FEB 23	AND OTHERS			



GROUND-WATER LEVELS

LAMAR COUNTY

310935089252001. Local number, L063.

LOCATION.--Lat 31°09'35", long 89°25'20", in SE4SE4 sec.5, T.2 N., R.14 W., St. Stephens Meridian, Lamar County, Hydrologic Unit 03180004, 1.5 mi northwest of center of Purvis on State Highway 581 at elevated water tank.

Owner: Progress Water Association.

AQUIFER.--Sand of Catahoula Sandstone of early Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 960 ft, cased to 910 ft.

INSTRUMENTATION.--Water-level recorder--60-minute punch.

DATUM.--Land-surface datum is about 370 ft. above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 2.30 ft above land-surface datum.

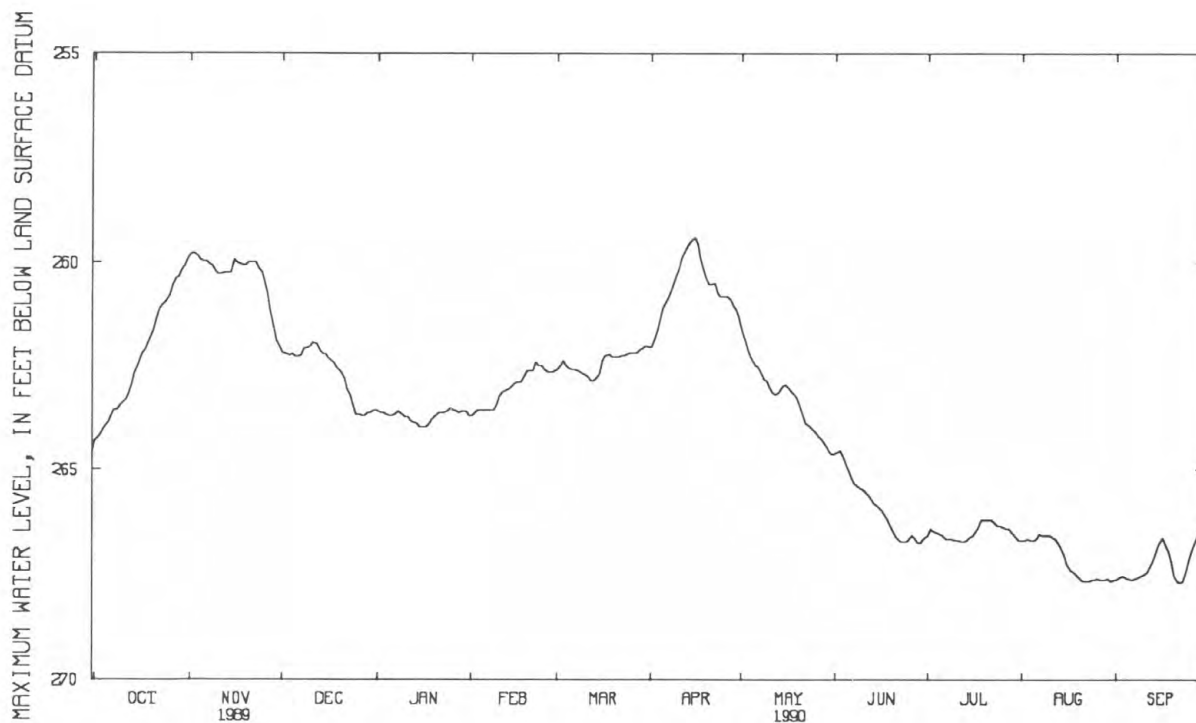
PERIOD OF RECORD.--Periodic water-level measurements 1968, September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 220 ft below land-surface datum, 1968, lowest measured, 268.03 ft below land-surface datum, Aug. 5, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	263.86	259.96	262.26	263.69	263.55	262.53	261.10	262.45	265.01	266.55	266.69	267.60
10	263.38	260.28	262.02	263.71	263.22	262.70	260.15	262.99	265.46	266.68	266.57	267.47
15	262.39	259.93	262.21	263.94	262.89	262.68	259.39	262.95	265.91	266.61	267.06	266.78
20	261.63	260.01	262.61	263.67	262.61	262.28	260.51	263.45	266.48	266.20	267.59	267.53
25	260.77	260.49	263.63	263.52	262.56	262.16	260.82	264.07	266.64	266.34	267.61	267.16
EOM	259.91	261.99	263.53	263.67	262.59	262.04	261.34	264.63	266.65	266.68	267.63	266.17

WTR YR 1990 MEAN 263.75 HIGH 259.39 APR 15 LOW 267.68 SEP 22



LEE COUNTY

341527088432401. Local number, G013.

LOCATION.--Lat 34°15'27", long 88°15'18", in SE¼NE¼ sec.36, T.9 S., R.5 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, 1 mi west of center of Tupelo along State Highway 6.

Owner: City of Tupelo.

AQUIFER.--Sand of McShan Member of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 543 ft.

INSTRUMENTATION.--Water-level recorder--60-minute punch.

DATUM.--Land-surface datum is 270 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor at land-surface datum.

PERIOD OF RECORD.--Miscellaneous water-level measurements 1949, May 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level reported, 100 ft below land-surface datum, Dec. 8, 1949, lowest measured, 227.61 ft below land-surface datum, Sept. 5, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	213.16	212.65	210.87	212.79	210.59	206.10	205.03	208.01	208.50	216.08	217.63	227.61
10	212.18	212.75	211.14	212.51	210.65	206.99	205.06	208.74	209.25	216.97	218.49	---
15	212.63	212.38	209.53	211.57	209.41	205.86	204.05	208.65	210.56	217.19	219.13	227.21
20	212.94	212.05	210.10	211.83	208.21	205.07	205.75	209.37	210.79	218.09	221.23	226.72
25	212.43	211.56	212.39	211.75	208.14	205.25	205.93	208.94	210.96	217.24	223.98	225.78
EOM	211.97	211.07	213.53	211.35	207.32	204.72	206.41	208.79	214.88	218.89	227.00	226.04

WTR YR 1990

HIGH 203.98 APR 2 LOW 227.61 SEP 5 AND OTHERS



GROUND-WATER LEVELS

LEFLORE COUNTY

333315090151801. Local number, G033.

LOCATION.--Lat 33°33'15", long 90°15'18", in NE4SW4 sec.36, T.20 N., R.1 W., Choctaw Meridian, Leflore County, Hydrologic Unit 08030207, 2.5 mi northwest of Greenwood along U.S. Highway 49.

Owner: John Carl.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in, depth 110 ft.

INSTRUMENTATION.--Water-level recorder--60-minute punch.

DATUM.--Land-surface datum is 136 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 2.00 ft above land-surface datum.

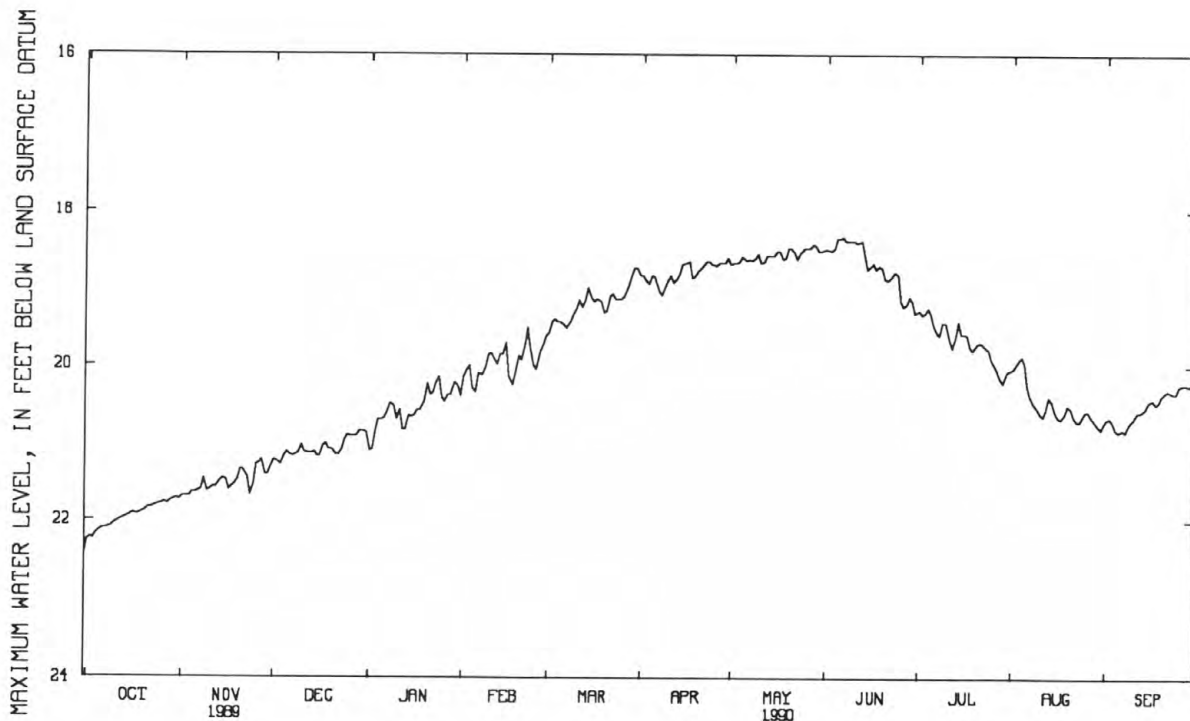
PERIOD OF RECORD.--Periodic water-level measurements September 1982 to March 1983, April 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.11 ft below land-surface datum, Mar. 29, 1984, lowest water level measured 25.66 ft below land-surface datum, Nov. 28, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	22.12	21.63	21.11	20.70	20.35	19.45	18.85	18.64	18.35	19.33	19.97	20.85
10	22.03	21.59	21.03	20.70	19.84	19.26	18.83	18.67	18.39	19.45	20.61	20.66
15	21.92	21.48	21.17	20.66	19.71	19.12	18.67	18.51	18.71	19.58	20.58	20.45
20	21.87	21.34	21.08	20.24	19.93	19.30	18.74	18.47	18.87	19.71	20.54	20.35
25	21.78	21.28	20.89	20.41	20.05	19.14	18.71	18.47	19.15	19.91	20.60	20.25
EOM	21.72	21.31	20.86	20.39	19.63	18.83	18.69	18.49	19.32	20.05	20.74	20.23

WTR YR 1990 MEAN 20.08 HIGH 18.33 JUN 6 LOW 22.24 OCT 1



LOWNDES COUNTY

333805088291002. Local number A034. (USCE TTM3B)

LOCATION.--Lat 33°38'05", long 88°29'10", in NW4NW4 sec.36, T.16 S., R.19 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160104, 10.0 mi northwest of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 6 in, depth 31 ft, cased to 21 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 182 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 4.9 ft above land-surface datum.

REMARKS.--Water level affected by river stage.

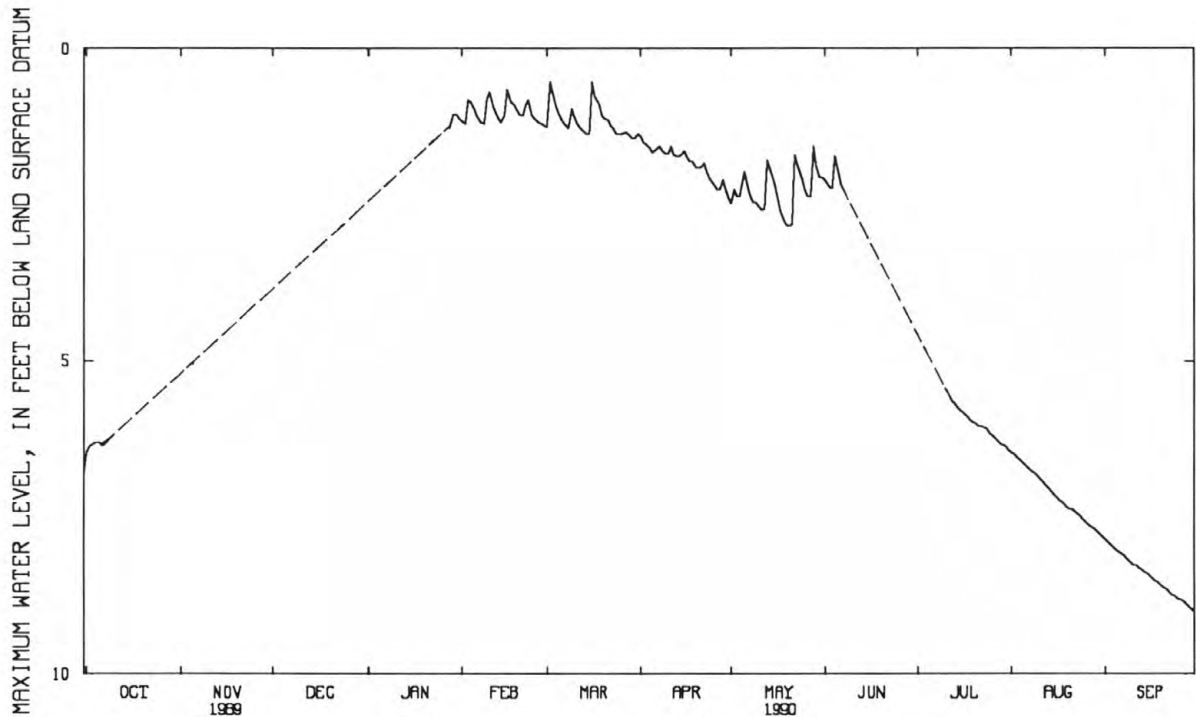
PERIOD OF RECORD.--June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.01 ft below land-surface datum, Jan. 30, 1990, lowest, 25.91 ft below land-surface datum, Sept. 15, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.33			---	.96	1.03	1.65	1.97	1.97	---	6.64	8.05
10	---			---	.69	1.10	1.67	2.52	---	---	6.88	8.27
15	---			---	1.06	1.35	1.62	2.18	---	5.79	7.13	8.42
20	---			---	1.04	1.11	1.90	2.85	---	6.01	7.38	8.63
25	---			---	1.11	1.37	2.19	2.26	---	6.17	7.56	8.81
EOM	---			1.12	1.23	1.37	2.39	2.06	---	6.44	7.83	9.01
WTR YR 1990			HIGH	.52 MAR 16		LOW	9.01 SEP 30					



GROUND-WATER LEVELS

MONROE COUNTY

334958088323601. Local number, LO75. (USCE AB11)

LOCATION.--Lat 33°49'58" long 88°32'36", in SE4SE4 sec.26. T.14 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, in Aberdeen.

Owner: U.S. Army Corps of Engineer.

AQUIFER.--Sand of McShan Member of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 224 ft, cased to 204 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 200 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 3.2 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 13.52 ft below land-surface datum, May 11, 1977, lowest, 27.43 ft below land-surface datum, Aug. 25, 1979.

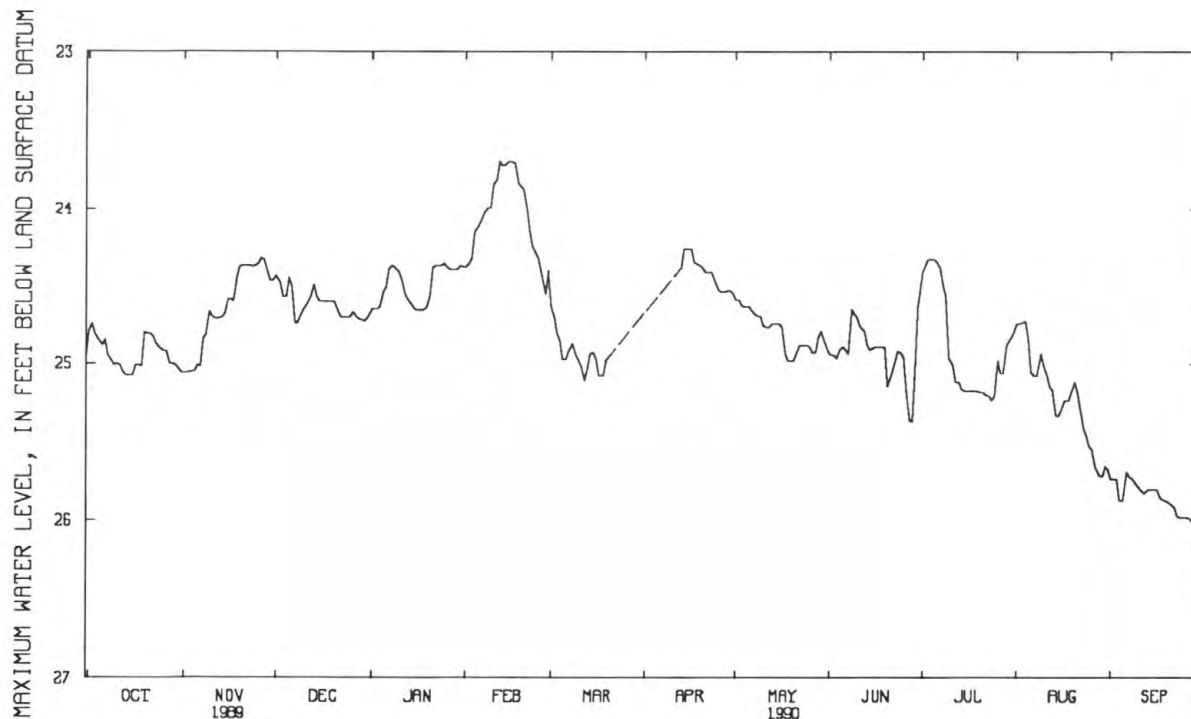
WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	24.88	25.01	24.44	24.53	24.12	24.97	---	24.63	24.89	24.33	24.84	25.87
10	25.00	24.69	24.65	24.41	23.84	24.98	---	24.76	24.70	24.96	25.03	25.78
15	25.07	24.59	24.60	24.64	23.70	24.93	24.25	24.75	24.90	25.17	25.33	25.80
20	24.81	24.36	24.60	24.56	23.88	---	24.38	24.98	25.14	25.18	25.12	25.88
25	24.92	24.35	24.70	24.35	24.32	---	24.52	24.89	24.96	25.21	25.53	25.98
EOM	25.06	24.46	24.69	24.37	24.40	---	24.54	24.90	24.63	24.81	25.67	26.03

WTR YR 1990

HIGH 23.70 FEB 12 AND OTHERS

LOW 26.03 SEP 30



PANOLA COUNTY

342332090060001. Local number, K012.

LOCATION.--Lat 34°23'20", long 90°05'57", in NW¼NE¼ sec.13, T.8 S., R.9 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030202, 10.0 mi northwest of center of Batesville.

Owner: Hall Farm.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in, depth 28 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 181 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 1.20 ft above land-surface datum.

REMARKS.--Water level affected by seasonal pumping.

PERIOD OF RECORD.--May 1962, June 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 9.71 ft below land-surface datum, Feb. 28, 1989, lowest, 15.77 ft below land-surface datum, Sept. 19, 1986.

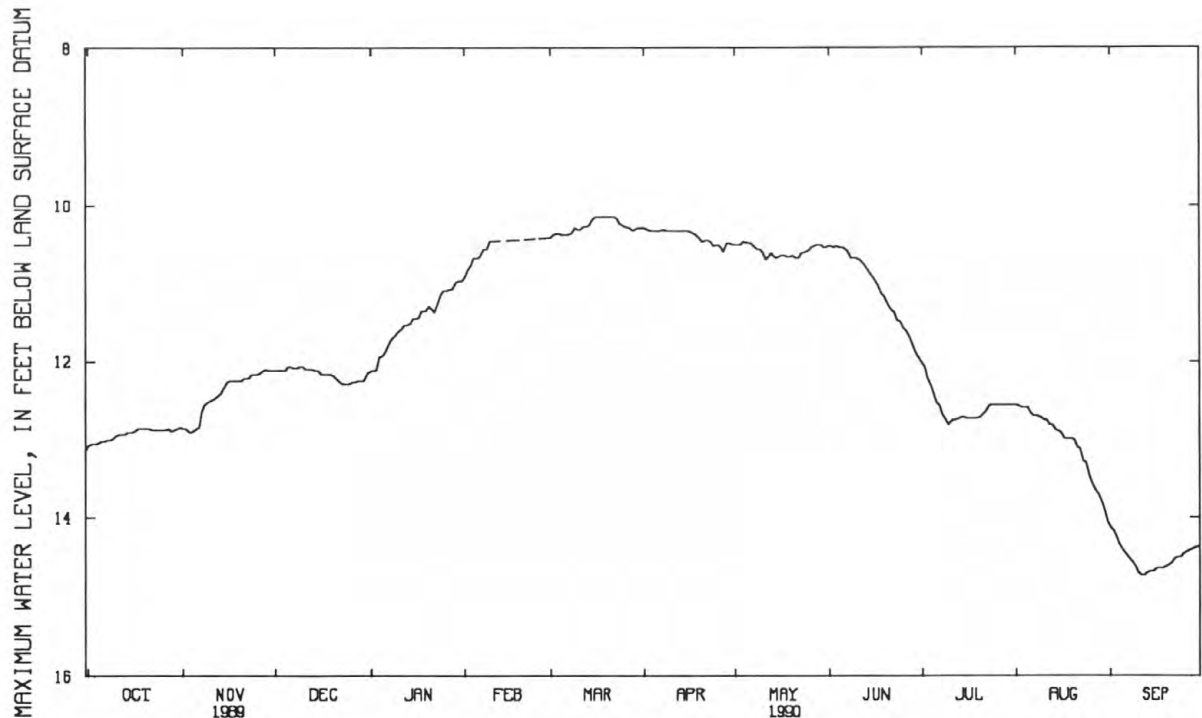
WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.02	12.87	12.08	11.92	10.69	10.38	10.32	10.49	10.55	12.41	12.60	14.40
10	12.96	12.50	12.08	11.62	---	10.31	10.33	10.60	10.68	12.80	12.76	14.69
15	12.91	12.27	12.13	11.46	---	10.19	10.33	10.67	10.92	12.72	12.89	14.67
20	12.87	12.25	12.18	11.29	---	10.15	10.48	10.66	11.25	12.72	13.01	14.60
25	12.88	12.16	12.29	11.11	---	10.26	10.51	10.58	11.56	12.56	13.43	14.47
EOM	12.85	12.13	12.15	10.97	10.41	10.30	10.50	10.55	11.93	12.56	14.05	14.37

WTR YR 1990

HIGH 10.14 MAR 18

LOW 14.73 SEP 11 AND OTHERS



GROUND-WATER LEVELS

PIKE COUNTY

311453090271302. Local number, D089.

LOCATION.--Lat 31°14'53", long 90°27'13", in NE4SE4 sec.1., T.3 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, 0.6 mi northeast of center of McComb on Warren Street.

Owner: City of McComb.

AQUIFER.--Sand of Miocene Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth 606 ft.

DATUM.--Land-surface datum is 425 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of shelter floor, 1.20 ft above land-surface datum.

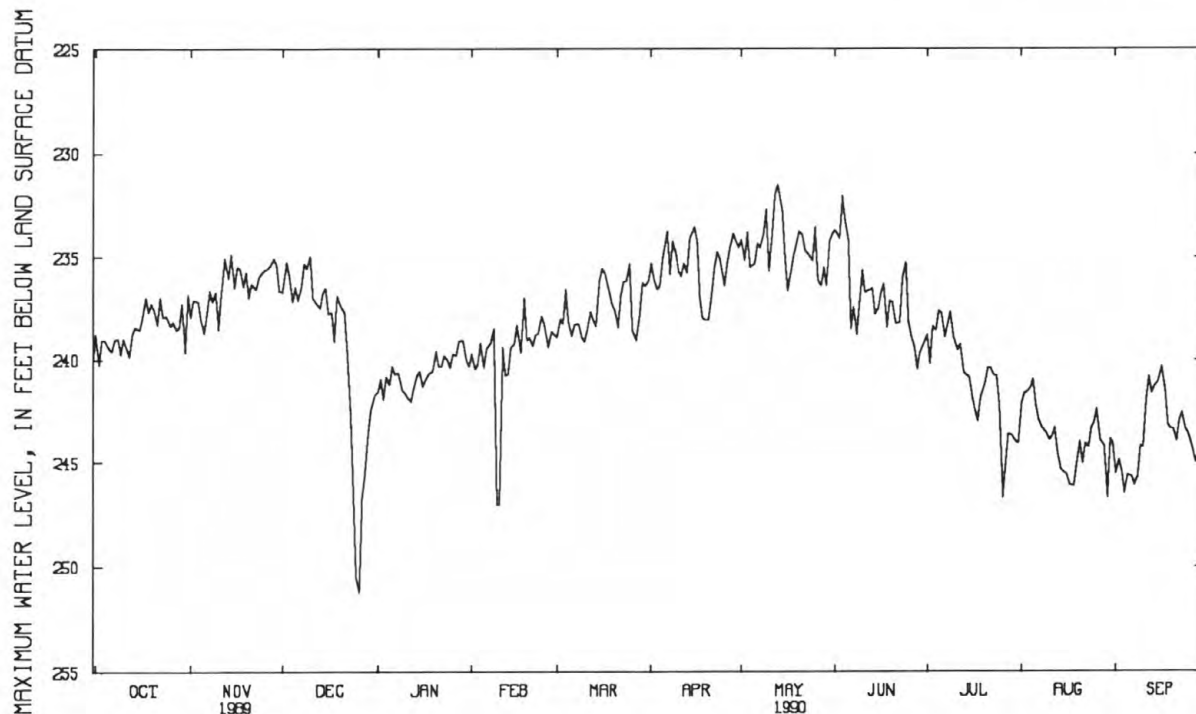
PERIOD OF RECORD.--July 1971, July 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 198 ft below land-surface datum, July 1, 1971, lowest measured, 251.17 ft below land-surface datum, Dec. 26, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	239.45	238.75	236.40	241.21	240.42	238.19	235.05	235.26	234.14	237.54	240.97	245.59
10	239.02	238.55	234.93	241.64	246.98	239.14	235.70	235.69	235.63	238.89	243.94	244.23
15	238.55	236.47	236.51	240.51	239.28	236.17	233.52	234.98	237.52	240.83	245.43	241.10
20	237.55	237.00	237.34	239.62	238.89	237.54	238.09	233.70	237.20	241.11	243.97	243.39
25	238.35	235.64	250.49	240.42	238.25	235.27	236.36	233.50	238.21	242.19	243.05	243.55
EOM	236.82	236.66	241.71	240.34	238.76	236.13	234.56	233.87	239.33	244.01	244.07	244.73

WTR YR 1990 MEAN 238.97 HIGH 231.51 MAY 13 LOW 251.17 DEC 26



SUNFLOWER COUNTY

332826090441601. Local number, M038.

LOCATION.--Lat 33°28'26", long 90°44'16", NE¼NW¼ sec.29, T.19 N., R.5 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, 2.7 mi north of U.S. Highway 82 near Indian Bayou.

Owner: James Robertson.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in, depth 110 ft.

INSTRUMENTATION.--Water-level recorder--60-minute punch.

DATUM.--Land-surface datum is 123 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

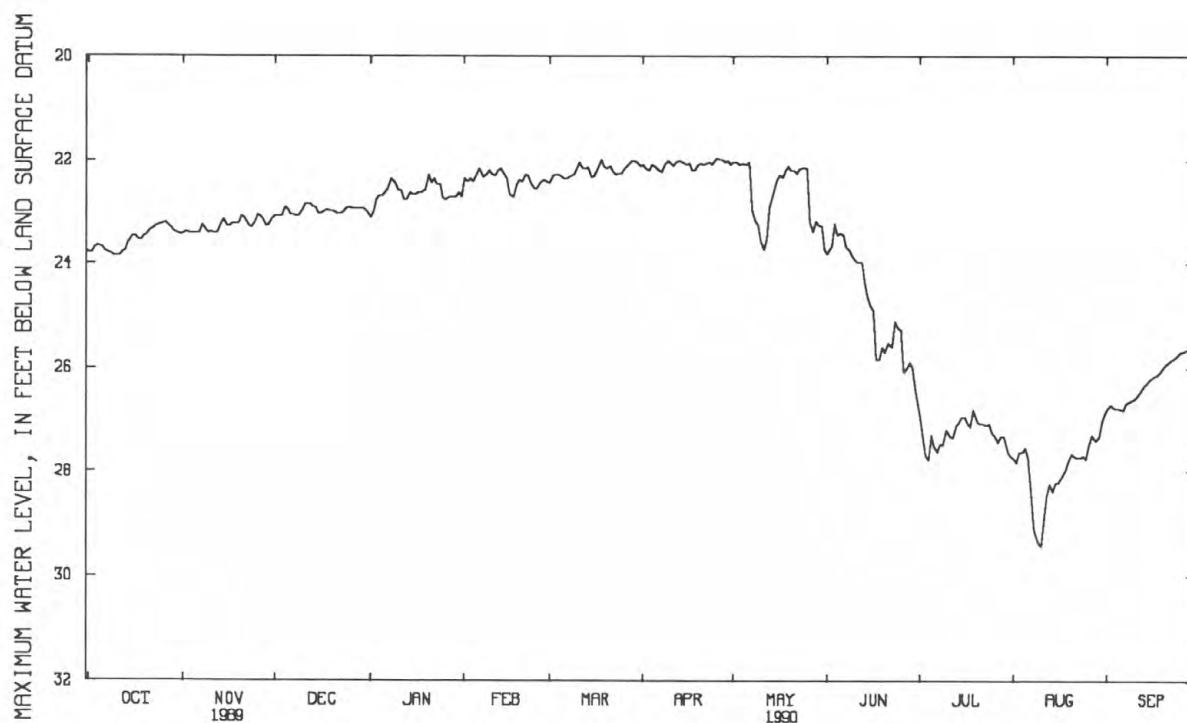
Measuring point: Top of recorder house, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--Periodic water-level measurements September 1980 to December 1982, January 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.70 ft below land-surface datum, Jan. 8, 1986, lowest measured, 30.90 ft below land-surface datum, Aug. 4, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	23.69	23.42	22.95	22.69	22.29	22.32	22.12	22.08	23.42	27.30	27.53	26.79
10	23.85	23.38	22.95	22.57	22.28	22.16	22.06	23.58	23.93	27.18	29.41	26.58
15	23.47	23.29	23.04	22.66	22.35	22.33	22.10	22.39	24.82	26.95	28.22	26.22
20	23.43	23.10	22.97	22.28	22.41	22.17	22.07	22.20	25.71	27.04	27.65	25.95
25	23.23	23.07	22.90	22.73	22.56	22.25	21.95	22.16	25.28	27.23	27.75	25.71
EOM	23.43	23.15	23.00	22.70	22.41	22.11	22.09	23.73	26.40	27.71	26.89	25.53
WTR YR 1990 MEAN		24.01	HIGH	21.95	APR 25	LOW	29.41	AUG 10				



GROUND-WATER LEVELS

TISHOMINGO COUNTY

344053088161202. Local number, J013. (USCE 34A)

LOCATION.--Lat 34°40'53", long 88°16'12", in NE¼NW¼ sec.5, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, 1.8 mi north of Paden.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 266 ft, cased to 256 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 560 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 1.0 ft above land-surface datum.

PERIOD OF RECORD.--September 1971 to July 1990 (destroyed).

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 82.17 ft below land-surface datum, Mar. 13, 1974, lowest, 117.63 ft below land-surface datum, Aug. 5, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

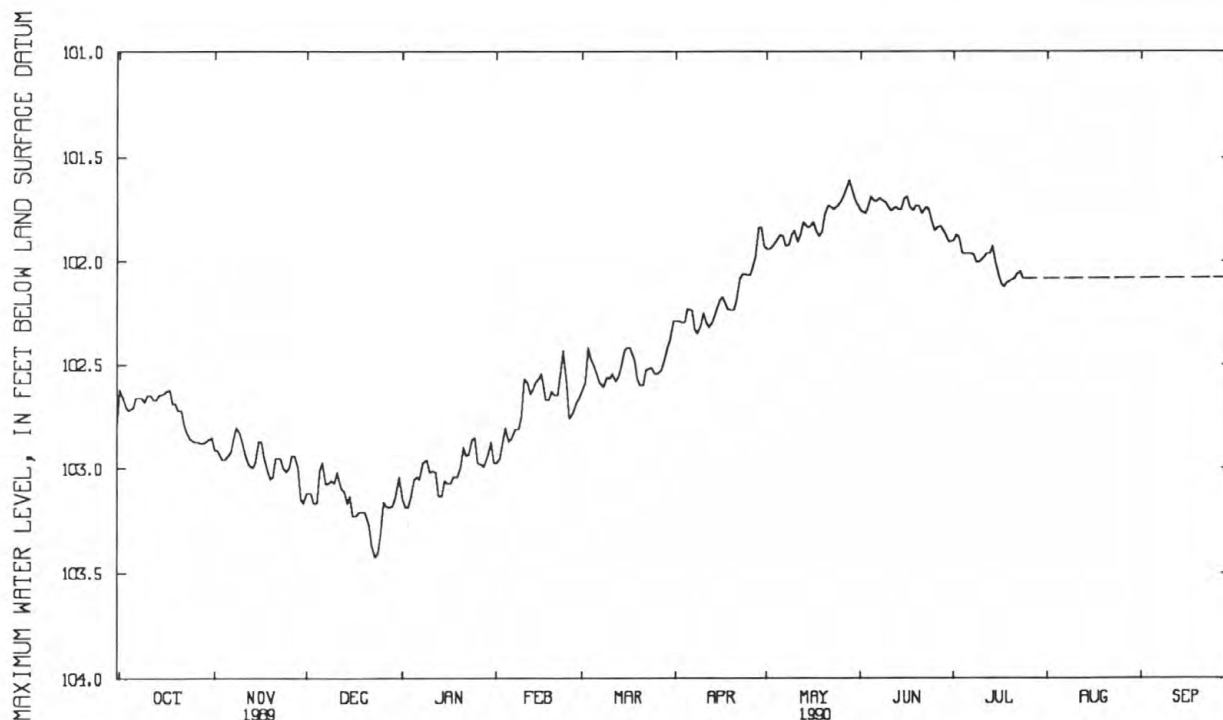
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	102.71	102.94	103.01	103.05	102.87	102.50	102.23	101.87	101.71	101.96		
10	102.65	102.88	103.07	103.02	102.57	102.57	102.25	101.85	101.74	102.00		
15	102.64	102.87	103.13	103.06	102.57	102.43	102.19	101.83	101.70	102.00		
20	102.72	103.04	103.21	102.99	102.65	102.60	102.24	101.78	101.73	102.09		
25	102.87	103.00	103.32	102.85	102.76	102.55	102.07	101.72	101.85	---		
EOM	102.85	103.17	103.04	102.97	102.66	102.29	101.93	101.73	101.91	---		

WTR YR 1990

HIGH 101.61 MAY 28

LOW 103.42 DEC 23



TISHOMINGO COUNTY--Continued

344053088161203. Local number, J014. (USCE 34B)

LOCATION.--Lat 34°40'53", long 88°16'12", in NE4NW4 sec.5, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, 1.8 mi north of Paden.

Owner: U.S. Army Corps of Engineers.

AQUIFER.-- Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 134 ft, cased to 129 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 560 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.65 ft above land-surface datum.

PERIOD OF RECORD.--September 1971 to July 1990 (destroyed).

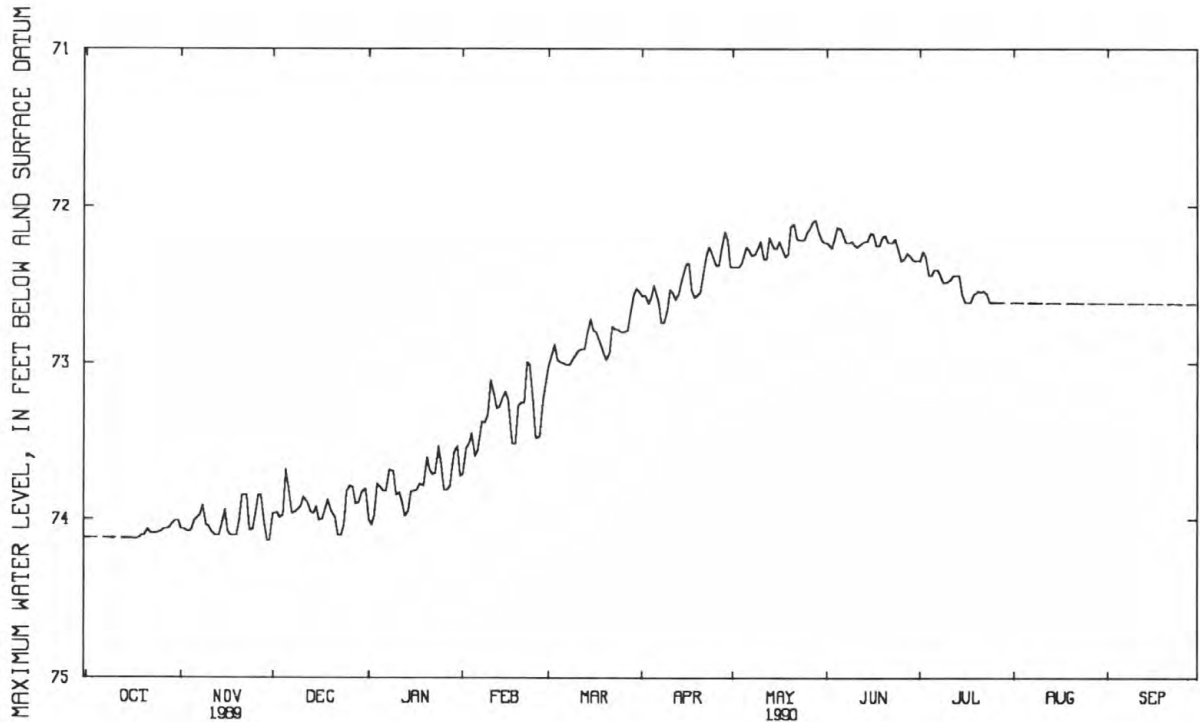
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 69.67 ft below land-surface datum, May 23, 1974, lowest, 77.88 ft below land-surface datum, Dec. 25, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	74.01	73.68	73.79	73.59	72.99	72.51	72.26	72.15	72.44		
10	---	74.04	73.92	73.84	73.11	72.95	72.53	72.23	72.25	72.49		
15	---	73.93	73.92	73.82	73.18	72.72	72.37	72.27	72.17	72.56		
20	74.10	74.01	73.94	73.60	73.25	72.98	72.55	72.13	72.19	72.54		
25	74.08	73.96	73.82	73.65	73.48	72.80	72.38	72.17	72.35	---		
EOM	74.01	74.13	73.80	73.72	73.13	72.55	72.39	72.24	72.35	---		

WTR YR 1990

HIGH 72.09 MAY 28 LOW 74.13 NOV 29 AND OTHERS



GROUND-WATER LEVELS

WARREN COUNTY

322310090530202. Local number, J004.

LOCATION.--Lat 32°23'10", long 90°53'02", in SW4SW4 sec.2, T.16 N., R.3 E., Washington Meridian, Warren County, Hydrologic Unit 08030208, on north side of Industrial Road, 2.5 mi northwest of center of Vicksburg.

Owner: City of Vicksburg.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in, depth 170 ft, cased to 150 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 90 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Bottom of recorder house floor, 17.26 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--October 1965 to current year.

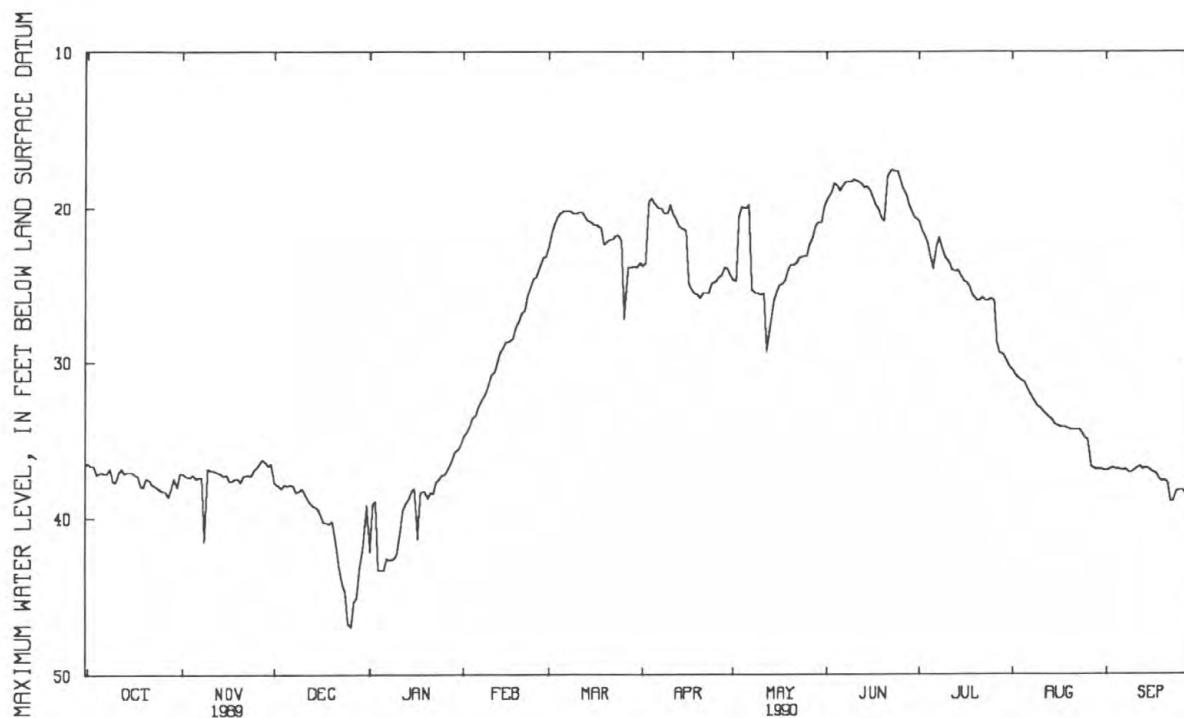
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 0.60 ft below land-surface datum, Apr. 17, 1975, lowest,

53.98 ft below land-surface datum, Feb. 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	37.05	37.46	37.90	43.32	33.38	20.36	19.64	19.99	18.89	23.18	31.22	36.87
10	37.68	36.89	38.09	42.34	30.81	20.36	19.74	25.64	18.13	23.13	32.94	36.93
15	36.97	37.23	39.31	38.28	28.63	20.95	21.43	25.38	18.83	24.32	33.93	36.84
20	37.46	37.73	40.14	38.70	26.86	22.20	25.87	23.64	20.85	25.92	34.34	37.51
25	38.27	36.72	46.70	37.17	24.39	22.08	24.67	23.10	18.17	25.89	34.87	38.21
EOM	37.14	36.49	39.14	35.33	23.12	23.51	24.35	19.91	20.56	30.28	36.94	38.29

WTR YR 1990 MEAN 30.59 HIGH 17.49 JUN 22 LOW 46.97 DEC 26



WASHINGTON COUNTY

332242091030401. Local number, D176.

LOCATION.--Lat 33°22'42", long 91°03'04", in NE¼ sec.33, T.18 N., R.5 W., Choctaw Meridian, Washington County, Hydrologic Unit 08030207, on State Highway 1, 0.5 mi southwest of Bowman Blvd in Greenville.

Owner: Maclean Bowman.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 6 in, depth 70 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 123 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 2.35 ft above land-surface datum.

REMARKS.--Water level affected by seasonal pumping.

PERIOD OF RECORD.--May 1983 to current year.

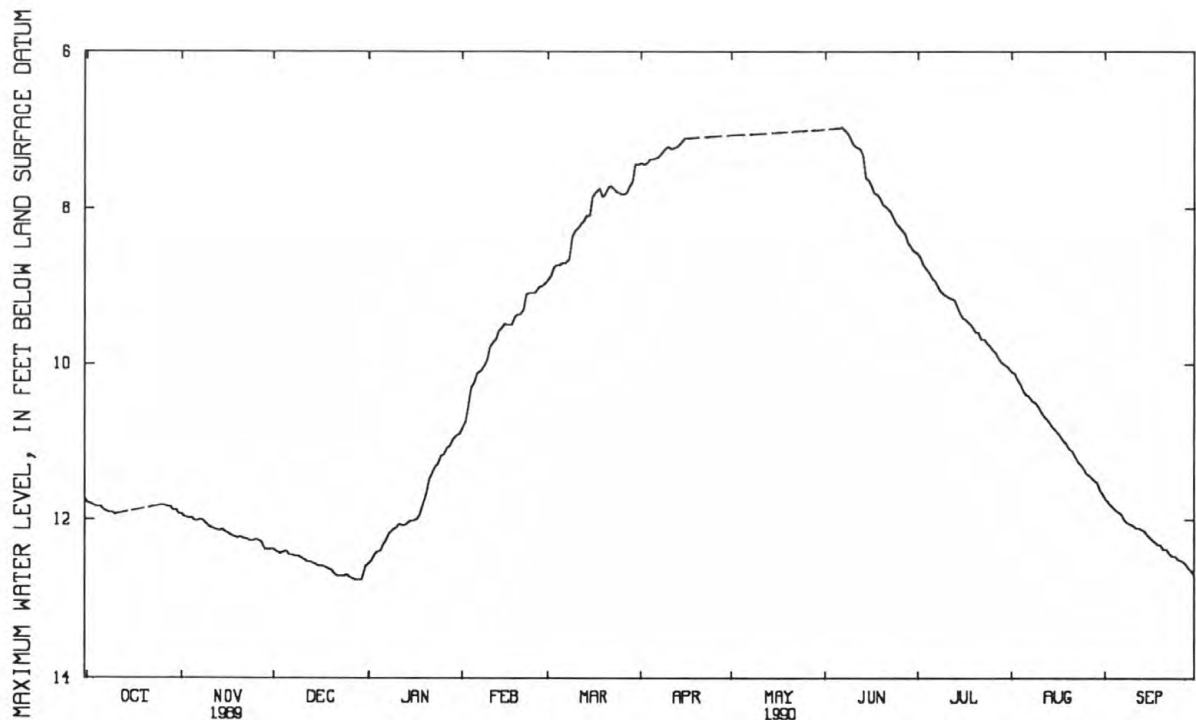
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 6.93 ft below land-surface datum, June 5, 1990, lowest, 16.57 ft below land-surface datum, Jan. 4, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.83	12.01	12.39	12.39	10.24	8.72	7.38		---	8.83	10.34	11.89
10	11.93	12.08	12.48	12.10	9.78	8.29	7.22		7.18	9.10	10.57	12.07
15	---	12.16	12.57	12.02	9.48	8.09	7.10		7.64	9.33	10.82	12.19
20	---	12.21	12.64	11.66	9.35	7.82	---		7.96	9.58	11.09	12.37
25	11.81	12.25	12.70	11.19	9.09	7.80	---		8.24	9.77	11.35	12.49
EOM	11.92	12.37	12.59	10.89	8.95	7.45	---		8.54	10.06	11.67	12.69

WTR YR 1990

HIGH 6.97 JUN 6 LOW 12.77 DEC 29 AND OTHERS



WASHINGTON COUNTY--Continued

332223091043301. Local number, D178.

LOCATION.--Lat 33°22'23", long 91°04'33", in sec.10, T.18 N., R.9 W., Choctaw Meridian, Washington County,

Hydrologic Unit 08030209, 2.5 mi north of intersection of Stat Highway 82 in Greenville.

Owner: City of Greenville.

AQUIFER.--Mississippi river Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in, depth 42 ft.

DATUM.--Land-surface datum is about 124 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.60 ft above land-surface datum.

REMARKS.--Water level affected by seasonal pumping.

PERIOD OF RECORD.--May 1983 to current year.

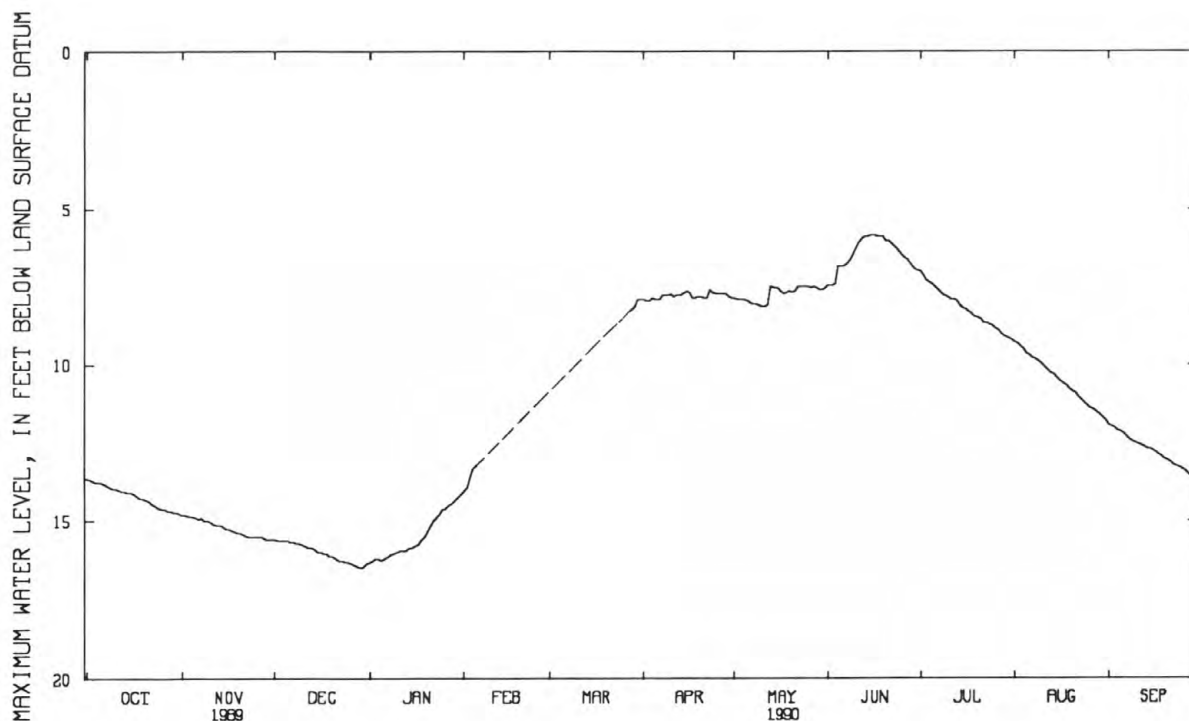
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.19 ft above land-surface datum, May 19, 1983, lowest measured, 21.11 ft below land-surface datum, Oct. 5, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.76	14.91	15.61	16.23	---	---	7.90	7.94	6.83	7.40	9.63	12.16
10	13.95	15.04	15.73	15.99	---	---	7.73	8.13	6.26	7.79	10.01	12.50
15	14.08	15.26	15.96	15.83	---	---	7.64	7.55	5.81	8.16	10.41	12.70
20	14.33	15.38	16.12	15.32	---	---	7.82	7.65	5.98	8.49	10.85	13.04
25	14.61	15.47	16.30	14.64	---	---	7.71	7.50	6.46	8.76	11.31	13.31
EOM	14.76	15.56	16.35	14.14	---	7.89	7.83	7.55	6.96	9.20	11.81	13.74

WTR YR 1990

HIGH 5.81 JUN 15 LOW 16.45 DEC 29 AND OTHERS



WASHINGTON COUNTY--Continued

330227090592001. Local number, S004.

LOCATION.--Lat 33°02'27", long 90°59'20", in SW4SE4 sec.28, T.14 N., R.8 W., Choctaw Meridian, Washington County, Hydrologic Unit 08030209, on south side of State Highway 436, 1.2 mi northeast of center of Hampton.

Owner: Agricultural Chemical Corporation.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 12 in, depth 105 ft, screened 80-105 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 111.24 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.95 ft above land-surface datum.

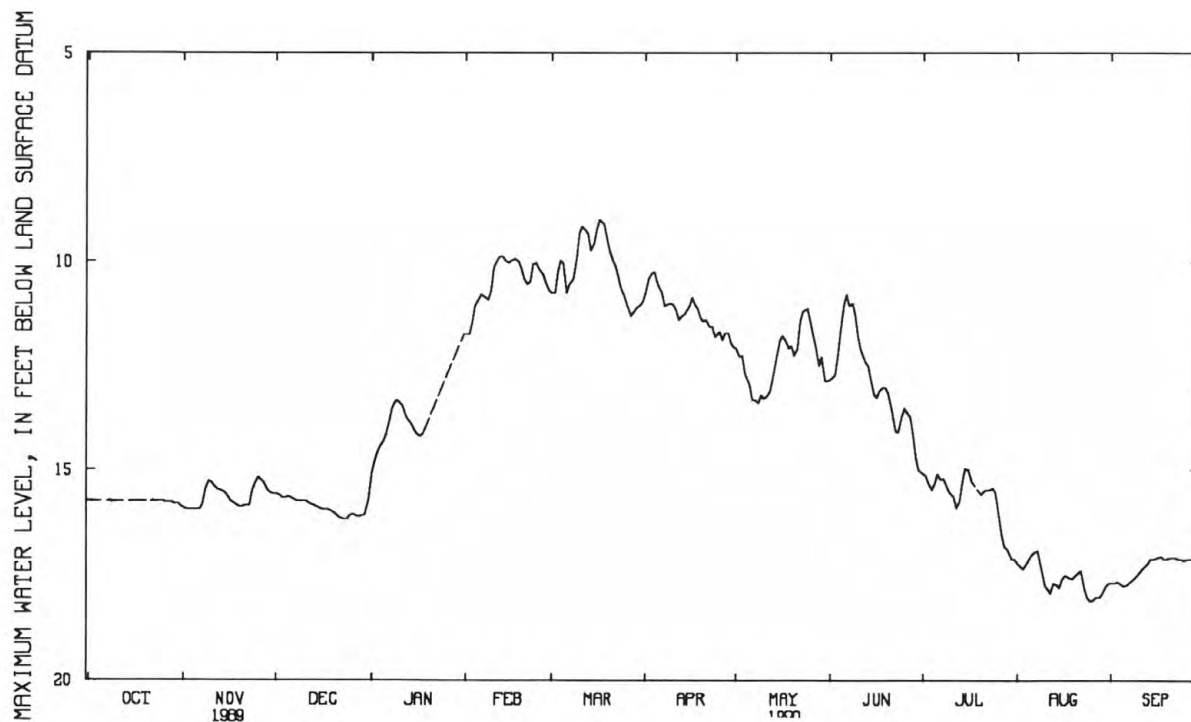
REMARKS.--Water level affected by seasonal pumping.

PERIOD OF RECORD.--January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 5.8 ft below land-surface datum, May 13, 1958, lowest, 23.66 ft below land-surface datum, Aug. 18, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	15.92	15.62	14.30	10.91	10.03	10.52	12.95	11.03	15.34	17.10	17.74
10	---	15.31	15.72	13.33	10.14	9.34	11.03	13.28	11.79	15.53	17.76	17.46
15	---	15.62	15.91	14.01	10.03	9.58	11.06	11.87	13.17	14.95	17.79	17.10
20	---	15.86	15.99	---	10.41	9.73	11.41	12.22	13.13	15.58	17.50	17.09
25	15.75	15.17	16.08	---	10.16	10.81	11.66	11.43	13.50	15.52	18.10	17.14
EOM	15.88	15.55	15.70	---	10.67	10.94	12.03	12.83	14.98	17.13	17.69	17.14
WTR YR 1990	HIGH			9.01 MAR 17	LOW			18.10 AUG 25				



GROUND-WATER LEVELS

WEBSTER COUNTY

333021089202901. Local number, M028.

LOCATION.--Lat 33°30'21", long 89°20'29", in SE4SW4 sec.15, T.19 N., R.9 E., Choctaw Meridian, Webster County, Hydrologic Unit 08060201, off U.S. Highway 82, 5.0 mi southwest of center of Eupora.

Owner: Town of Eupora.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled artesian observation well, diameter 6 in, depth 344 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 395 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder floor, 2.75 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--April 1983 to current year.

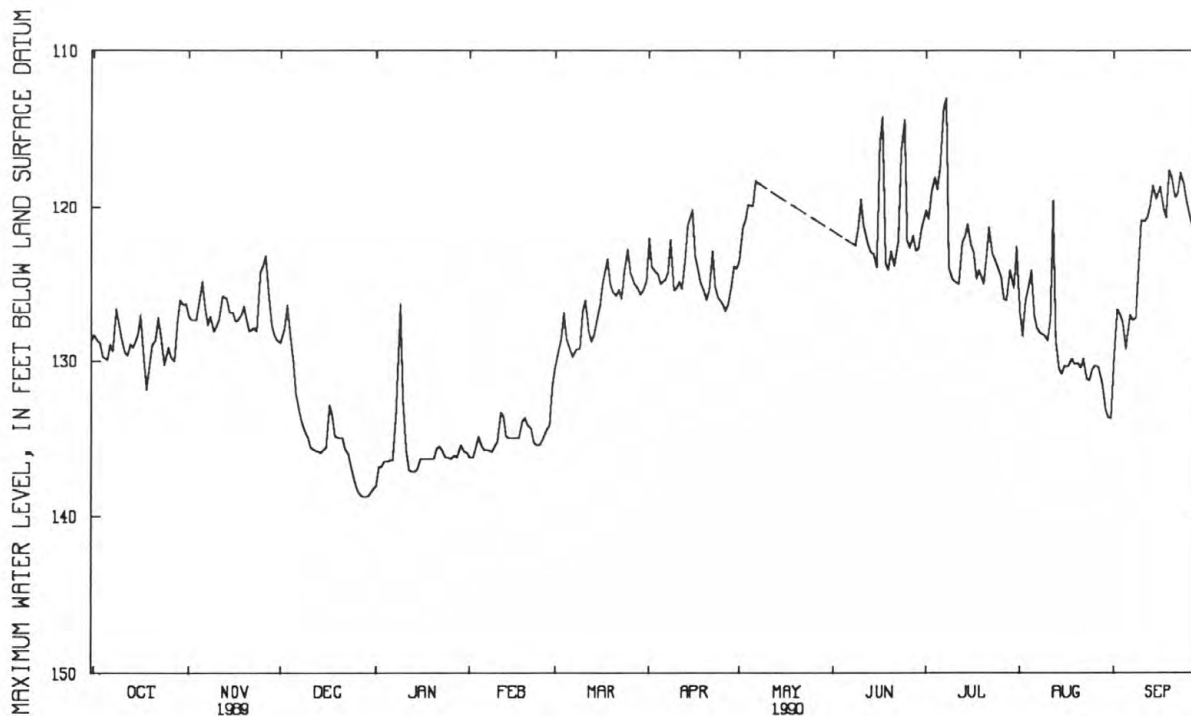
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 98.09 ft below land-surface datum, Apr. 29, 1985, lowest, 140.37 ft below land-surface datum, June 16, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	129.94	124.77	129.92	136.47	135.47	128.59	124.97	119.96	---	118.85	124.09	129.15
10	128.59	127.79	134.95	132.63	135.17	126.78	125.20	---	119.53	124.57	128.67	120.85
15	128.33	126.84	135.78	136.89	134.96	127.22	120.19	---	123.88	121.11	130.80	119.48
20	129.02	127.42	134.94	136.32	134.16	125.54	126.04	---	122.83	125.01	130.10	118.01
25	129.12	123.82	137.57	136.20	135.11	122.76	126.33	---	122.18	123.92	130.52	119.61
EOM	126.35	128.64	138.25	135.93	131.68	124.82	123.97	---	121.47	122.54	133.66	118.84

WTR YR 1990

HIGH 113.04 JUL 8 LOW 138.69 DEC 29



YAZOO COUNTY

324850090412801. Local number, J012. (USCE L7Y1)

LOCATION.--Lat 32°48'50", long 90°41'28", in NE4SE4 sec.10, T.11 N., R.5 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030207, 0.9 mi east of Holly Bluff.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in, depth 59 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 100 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 3.02 ft above land-surface datum.

REMARKS.--Water levels affected by river stage.

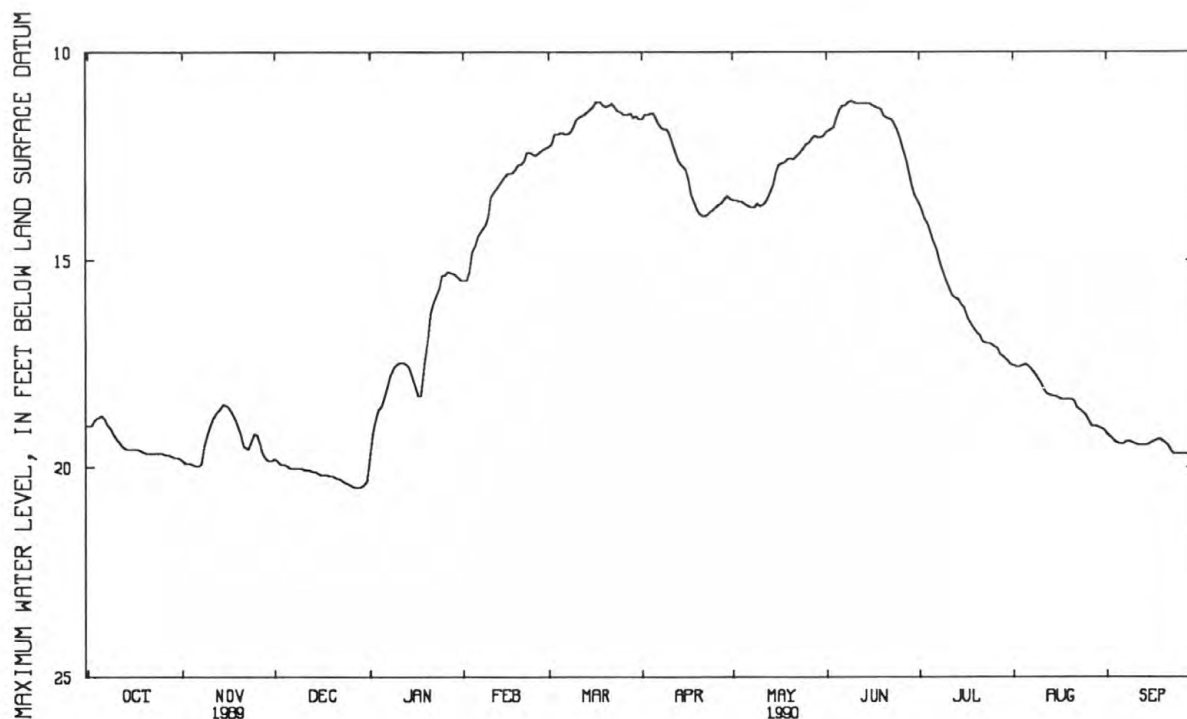
PERIOD OF RECORD.--November 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 7.54 ft below land-surface datum, June 25, 1983, lowest, 25.37 ft below land-surface datum, Dec. 10, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.74	19.96	19.95	18.52	14.62	11.95	11.47	13.67	11.38	14.33	17.50	19.41
10	19.29	18.98	20.02	17.51	13.50	11.65	11.96	13.69	11.19	15.44	17.98	19.41
15	19.54	18.52	20.14	17.80	12.99	11.38	12.83	12.90	11.24	16.06	18.29	19.41
20	19.64	19.23	20.21	16.88	12.70	11.30	13.88	12.55	11.52	16.76	18.34	19.40
25	19.66	19.22	20.41	15.38	12.48	11.45	13.71	12.22	12.08	17.03	18.71	19.65
EOM	19.78	19.82	20.33	15.48	12.31	11.59	13.51	12.01	13.43	17.50	19.08	19.82

WTR YR 1990 MEAN 16.04 HIGH 11.18 JUN 9 LOW 20.45 DEC 27 AND OTHERS



GROUND-WATER LEVELS
YAZOO COUNTY--Continued

324615090375001. Local number, J013. (USCE L7Y2)

LOCATION.--Lat 32°46'15", long 90°37'50", in SE¼NW¼ sec.19, T.11 N., R.4 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030207, 5.5 mi southeast of center of Holly Bluff.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in, depth 74 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 98.74 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.11 ft above land-surface datum.

REMARKS.--Water levels affected by Yazoo River stage.

PERIOD OF RECORD.--November 1978 to current year.

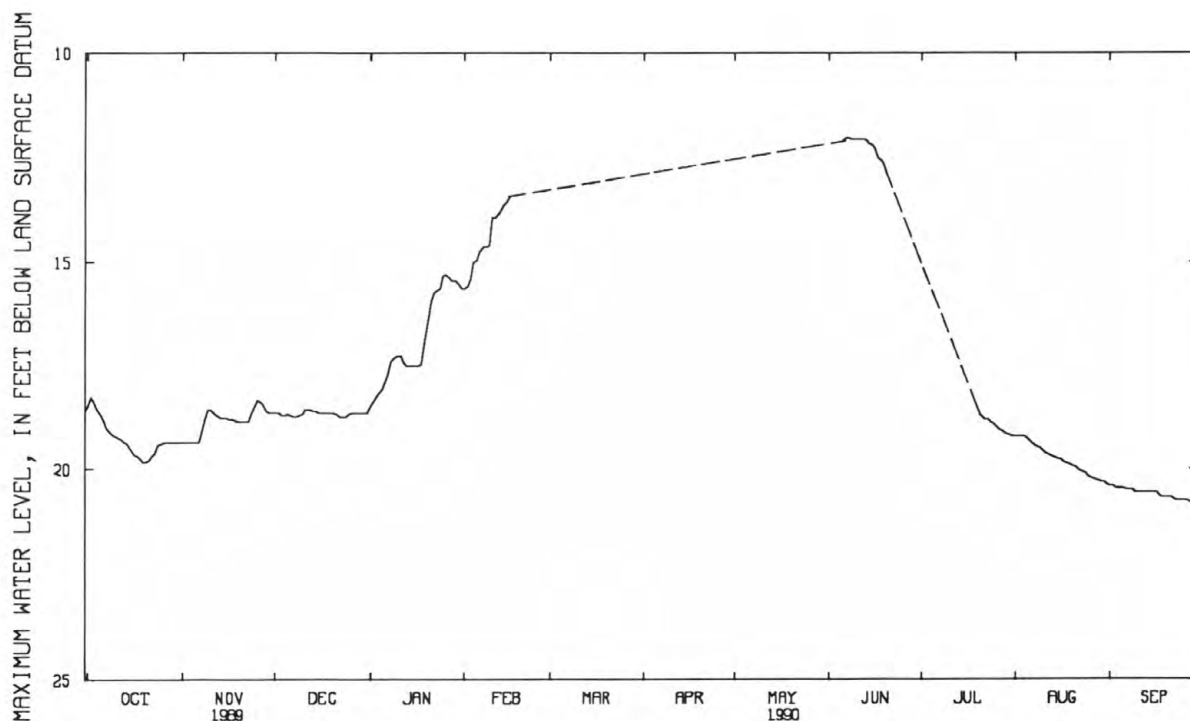
EXTREMES FOR PERIOD OF RECORD.--Highest water level, 3.24 ft below land-surface datum, June 5, 1983, lowest, 25.90 ft above land-surface datum, Jan. 3, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	18.70	19.34	18.69	18.08	14.96				12.10	---	19.25	20.44
10	19.21	18.57	18.67	17.27	13.92				12.05	---	19.57	20.53
15	19.54	18.79	18.63	17.50	13.55				12.19	---	19.74	20.53
20	19.84	18.89	18.63	16.37	---				12.86	18.67	19.94	20.67
25	19.39	18.35	18.67	15.34	---				---	18.93	20.15	20.74
EOM	19.34	18.66	18.64	15.65	---				---	19.21	20.35	20.84

WTR YR 1990

HIGH 12.00 JUN 7 LOW 20.84 SEP 30



YAZOO COUNTY--Continued

324419090351201. Local number, P018. (USCE L7Y3)

LOCATION.--Lat 32°44'19", long 90°35'12", in SW4SW4 sec.2, T.10 N., R.4 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030207, 5.0 mi northwest of Satartia.

Owner: U.S. Army Corps of Engineers.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in, depth 53 ft.

INSTRUMENTATION.--Water-level recorder -- 60-minute punch.

DATUM.--Land-surface datum is 101.59 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.94 ft above land-surface datum.

REMARKS.--Water level affected by Yazoo River stage.

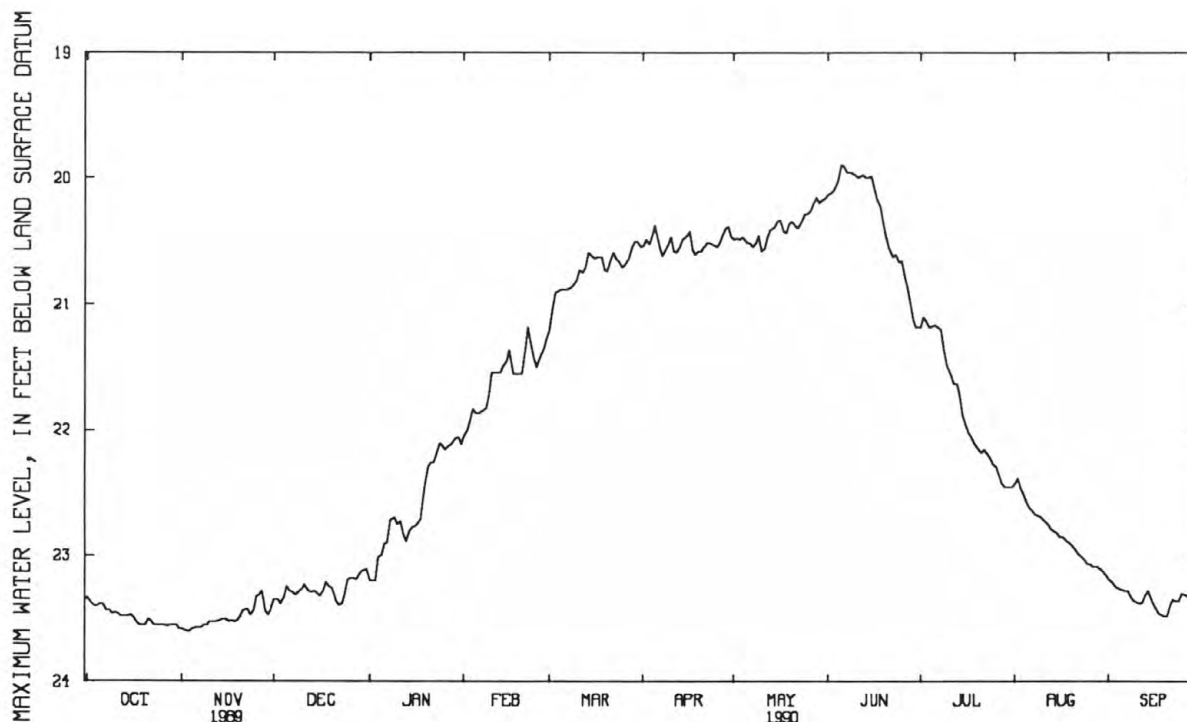
PERIOD OF RECORD.--November 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 15.72 ft below land-surface datum, May 7, 1980, lowest, 29.45 ft below land-surface datum, July 11, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
LOWEST LEVELS

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	23.39	23.58	23.25	23.00	21.87	20.88	20.38	20.51	19.89	21.17	22.58	23.27
10	23.45	23.53	23.27	22.76	21.55	20.80	20.47	20.58	19.97	21.49	22.71	23.38
15	23.48	23.51	23.31	22.78	21.45	20.61	20.46	20.34	19.98	21.88	22.83	23.35
20	23.55	23.49	23.26	22.30	21.56	20.74	20.58	20.34	20.45	22.16	22.94	23.49
25	23.56	23.33	23.19	22.13	21.50	20.70	20.54	20.29	20.66	22.27	23.07	23.31
EOM	23.59	23.44	23.12	22.12	21.27	20.55	20.47	20.16	21.18	22.46	23.16	23.38

WTR YR 1990 MEAN 22.04 HIGH 19.89 JUN 5 LOW 23.61 NOV 3



GROUND-WATER LEVELS

ADAMS COUNTY

313414091224201. Local number, C050.

LOCATION.--Lat 31°34'30", long 91°22'42", in irregular sec. 16, T. 7 N., R. 3 W., Washington Meridian, Adams County, Hydrologic Unit 08060204, 1.5 mi northeast of center of Natchez on George S. West Blvd.

Owner: City of Natchez

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 16 in, depth 864 ft.

DATUM.--Land-surface datum is 210 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent on east side of pump base, 2.40 ft. above land-surface datum.

PERIOD OF RECORD.--August 1980, October 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 148.0 ft below land-surface datum, Aug. 1, 1980; lowest measured, 164.10 ft below land-surface datum, Oct. 11, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	160.56	MAY 1	159.39

312730091200602. Local number, G007.

LOCATION.--Lat 31°27'30", long 91°20'06", in NE¼NW¼ Lot 41, T.6 N., R.2 W., Washington Meridian, Adams County, Hydrologic Unit 08060205, 8 mi southeast of center of Natchez on Kingston Road.

Owner: Adams County Water Association.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 267 ft, cased to 217 ft.

DATUM.--Land-surface datum is 220 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent in pump base, 3.00 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.03 ft below land-surface datum, Mar. 30, 1979; lowest measured, 72.40 ft below land-surface datum, Nov. 7, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	63.44	MAY 1	62.90

312752091202201. Local number, G021.

LOCATION.--Lat 31°27'52", long 91°20'22", in NE¼NW¼ Lot 41, T.6 N., R.2 W., Washington Meridian, Adams County, Hydrologic Unit 08060205, 8 mi southeast of center of Natchez on Kingston Road.

Owner: Adams County Water Association.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 880 ft, cased to 8.40 ft.

DATUM.--Land-surface datum is 223 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--November 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 162.00 ft below land-surface datum, June 5, 1975; lowest measured, 171.97 ft below land-surface datum, Apr. 9, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	163.53	MAY 1	157.90

ALCORN COUNTY

345456088313001. Local number, G057.

LOCATION.--Lat 34°54'56", long 88°31'30", in NW¼NW¼ sec.13, T.2 S., R.7 E., Chickasaw Meridian, Alcorn County, Hydrologic Unit 08010207, 1.0 mi south of center of Corinth.

Owner: City of Corinth.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 453 ft, cased to 410 ft.

INSTRUMENTATION.--Water-level recorder -- 60 minute punch.

DATUM.--Land-surface datum is 463 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.00 ft. above land-surface datum..

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--Miscellaneous water-level meas Aug. 1962 to Oct. 1963; Jan. 1964 to Aug. 8, 1989 (destroyed).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.9 ft below land-surface datum, Oct. 17, 1962; lowest measured, 224.4 ft below land-surface datum, Sept. 22, 1974.

ALCORN COUNTY--Continued

344642088340501. Local number, K011.

LOCATION.--Lat 34°46'42", long 88°34'05", in NW4NE4 sec.33, T.3 S., R.7 E., Chickasaw Meridian, Alcorn County, Hydrologic Unit 08010207, 3 mi northwest of center of Rienzi, 0.5 mi west of U.S. Highway 45.
Owner: C. B. Curlee.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth reported 574 ft, cased to 478 ft.
DATUM.--Land-surface datum is 460 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--September 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.00 ft below land-surface datum, Dec. 17, 1961, lowest measured, 131.33 ft below land-surface datum, Mar. 31, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 19889 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	129.66	APR. 11	129.64

344642088333001. Local number, K053.

LOCATION.--Lat 34°46'42", long 88°33'30", in SW4NW4 sec.34, T.3 S., R.7 W., Chickasaw Meridian, Alcorn County, Hydrologic Unit 08010207, 2.5 mi northwest of center of Rienzi on U.S. Highway 45 at roadside park.
Owner: Mississippi State Highway Department.

AQUIFER.--Coffee Sand of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 210 ft, cased to 190 ft.

DATUM.--Land-surface datum is 450 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--July 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.37 ft below land-surface datum, July 19, 1973, lowest measured, 49.25 ft below land-surface datum, Oct. 24, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
OCT 17	47.40

ATTALA COUNTY

330713089365302. Local number, G013.

LOCATION.--Lat 33°07'13", long 89°36'53", in NW4NE4 sec.31, T.15 N., R.7 E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, 4.5 mi northwest of center of Kosciusko on State Highway 35.
Owner: Fred Turnipseed.

AQUIFER.--Winona Sand of middle Eocene age.

WELL CHARACTERISTICS.--Dug unused artesian well, diameter 30 in, depth 22 ft.

DATUM.--Land-surface datum is 361 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of hole in concrete cap, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.23 ft below land-surface datum, Apr. 13, 1983, lowest measured, 15.22 ft below land-surface datum, Jan. 11, 1963.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 13	12.54	APR. 20	10.72

330110089455001. Local number, K022.

LOCATION.--Lat 33°01'10", long 89°45'50", in SW4SW4 sec.35, T.14 N., R.5 E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, at center of Sallis.
Owner: Town of Sallis.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth reported 356 ft, cased to about 300 ft.

DATUM.--Land-surface datum is 280 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 3/4-in pipe (since May 22, 1957), 1.30 ft above land-surface datum.

PERIOD OF RECORD.--1913, June 1957 to April 1963, May 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30 ft above land-surface datum, 1913, lowest measured, 0.95 ft above land-surface datum, Apr. 26, 1988.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 13	1.00	APR. 20	1.00

GROUND-WATER LEVELS

ATTALA COUNTY--Continued

330328089365901. Local number, M008.

LOCATION.--Lat 33°03'28", long 89°36'59", in NE¼ sec.20, T.14 N., R.7 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, 0.2 mi northwest of center of Kosciusko on Adams Street.

Owner: Barnett Moving Company.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth 456 ft.

DATUM.--Land-surface datum is 423 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent in pump base, 1.70 ft above land-surface datum.

PERIOD OF RECORD.--January 1959, March 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 101.92 ft below land-surface datum, Jan. 29, 1959, lowest measured, 132.47 ft below land-surface datum, Apr. 20, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 13	124.05	APR 20	132.47

330330089354501. Local number, M030.

LOCATION.--Lat 33°03'30", long 89°35'45", in SW¼NW¼ sec.21, T.14 N., R.7 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, 0.1 mi west of center of Kosciusko at corner of Wells and Jefferson Streets.

Owner: City of Kosciusko.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 416 ft.

DATUM.--Land-surface datum is 467 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent in pump base, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--December 1950, March 1962, April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 96.0 ft below land-surface datum, Dec. 1, 1950, lowest measured, 148.43 ft below land-surface datum, Apr. 2, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	144.85	APR 20	146.30

330241089270501. Local number, N013.

LOCATION.--Lat 33°02'41", long 89°27'05", in SE¼NW¼ sec.26, T.14 N., R.8 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, 8 mi east of center of Kosciusko on north side of State Highway 14.

Owner: Houston Veasey.

AQUIFER.--Neshoba Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Dug unused artesian well, diameter 30 in, depth 30 ft.

DATUM.--Land-surface datum is 510 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Inside lip of curb, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--March 1958 to March 1959, June 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.86 ft below land-surface datum, Mar. 12, 1959, lowest measured, 23.77 ft below land-surface datum, Apr. 7, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 13	23.45	APR 20	21.67

325844089462701. Local number, Q014.

LOCATION.--Lat 32°58'44", long 89°46'27", in NE¼SW¼ sec.15, T.13 N., R.5 E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, 3.1 mi south of center of Sallis on west side of State Highway 429.

Owner: Tom Aldy.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 2 in, depth 409 ft.

DATUM.--Land-surface datum is 290 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 2-in casing, 1.80 ft above land-surface datum.

PERIOD OF RECORD.--June 1957 to July 1959, June 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.37 ft below land-surface datum, Mar. 13, 1958, lowest measured, 4.96 ft below land-surface datum, Apr. 11, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 13	4.95	APR 20	4.84

ATTALA COUNTY--Continued

325902089333901. Local number, S021.

LOCATION.--Lat 32°59'02", long 89°33'39", in SE¼NE¼ sec.15, T.13 N., R.7 E., Choctaw Meridian, Attala County, Hydrologic Unit 03180001, 5 mi south of center of Kosciusko on east side of State Highway 35.

Owner: United Gas Company.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 360 ft, cased to 340 ft.

DATUM.--Land-surface datum is 488 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 8-in casing, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--October 1961, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 157 ft below land-surface datum, October 1961, lowest measured, 173.61 ft below land-surface datum, Oct. 13, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 13	173.61	APR 20	173.49

BOLIVAR COUNTY

335630090461501. Local number, D031.

LOCATION.--Lat 33°56'30", long 90°46'15", in SW¼NE¼ sec.12, T.24 N., R.6 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 08030207, 0.1 mi west of center of Shelby at old waterworks.

Owner: Town of Shelby.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 1,575 ft.

DATUM.--Land-surface datum is 147 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of air vent hole in pump base, 1.30 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.40 ft above land-surface datum, May 11, 1977, lowest measured, 31.30 ft below land-surface datum, Mar. 25, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 to SEPTEMBER 1990

DATE	WATER LEVEL
MAR 27	28.01

335558090465202. Local number, D032.

LOCATION.--Lat 33°55'58", long 90°46'52", in SE¼NE¼ sec.14, T.24 N., R.6 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 08030207, 1.5 mi southwest of center of Shelby on State Highway 32 at park.

Owner: Town of Shelby.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth reported 409 ft.

DATUM.--Land-surface datum is 150 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 4-in casing plug, 0.30 ft above land-surface datum.

PERIOD OF RECORD.--September 1949, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.72 ft below land-surface datum, Oct. 15, 1983, lowest measured, 49.70 ft below land-surface datum, Apr. 13, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAR 27	34.62

335017090433201. Local number, H047.

LOCATION.--Lat 33°50'17", long 90°43'32", in NW¼NW¼ sec.12, T.23 N., R.5 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 08030207, 0.2 mi west of Post Office at elevated watertank on St Mary Street.

Owner: Town of Merigold.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 1,371 ft.

DATUM.--Land-surface datum is 135 ft above National Vertical Datum of 1929 (from topographic map). Measuring point: 3/4-in plug at pump motor base, 2.45 ft above land-surface datum.

PERIOD OF RECORD.--April 1989, to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 18.66 ft below land surface datum, Mar. 27, 1990, lowest measured, 22.96 ft below land-surface datum, Oct. 23, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	22.96	MAR 27	18.66

GROUND-WATER LEVELS

BOLIVAR COUNTY--Continued

334957090564301. Local number, F020.

LOCATION.--Lat 33°49'57", long 90°56'43", in NE¼NW¼ sec.20, T.23 N., R.7 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 08030207, 5 mi southeast of center of Rosedale on south side of State Highway 8.

Owner: R. C. Malone.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled irrigation water-table well, diameter 16 in, depth 120 ft, screened 80-120 ft, cased to 80 ft.

DATUM.--Land-surface datum is 145 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 0.15 ft above land-surface datum.

REMARKS.--Water levels affected by seasonal irrigation pumping.

PERIOD OF RECORD.--November 1953 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.99 ft below land-surface datum, Apr. 7, 1959, lowest measured, 31.40 ft below land-surface datum, Oct.23, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	31.40	MAR 27	28.51

334700090584501. Local number, J008.

LOCATION.--Lat 33°47'00", long 90°58'45", in SW¼NE¼ sec.27, T.22 N., R.8 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 08030207, near center of Beulah.

Owner: Town of Beulah.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in, depth 754 ft.

DATUM.--Land-surface datum is 145 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of air vent in pump base, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--October 1968, March 1971, April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27 ft below land-surface datum, Oct. 1, 1968, lowest measured, 39.57 ft below land-surface datum, Mar. 30, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 to SEPTEMBER 1990

DATE	WATER LEVEL
MAR 27	38.06

334217090475201. Local number, L050.

LOCATION.--Lat 33°42'17", long 90°47'52", in SE¼SE¼ sec.34, T.22 N., R.6 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 08030207, near center of Skene.

Owner: Town of Skene.

AQUIFER.--Sand of Tallahatta Formation of Middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in., depth 1470 ft.

DATUM.--Land-surface datum is 130 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 1/2-in hole in well seal, 1.80 ft above land-surface datum.

PERIOD OF RECORD.--May 1939, September 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34 ft above land-surface datum, May 1939, lowest measured, 21.70 ft below land-surface datum, Mar. 22, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAR 27	8.52

334218090475701. Local number, L092.

LOCATION.--Lat 33°42'30", long 90°47'57", in SE¼SE¼ sec.34, T.22 N., R.6 E., Choctaw Meridian, Bolivar County, Hydrologic Unit 08030207, near center of Skene.

Owner: Town of Skene.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 782 ft.

DATUM.--Land-surface datum is 130 ft above National geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 1/2-in hole in well seal, 0.60 ft above land-surface datum.

PERIOD OF RECORD.--February 1973, September 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24 ft below land-surface datum, Feb. 1973, lowest measured, 39.49 ft below land-surface datum, Oct. 19, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAR 27	37.93

BOLIVAR COUNTY--Continued

334106090590902. Local number, N002.

LOCATION.--Lat 33°41'06", long 90°59'09", in SE4NW4 sec.34, T.21 N., R.8 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 08030207, 2.5 mi northeast of center of Benoit on east side of State Highway 1.

Owner: Welshans and Litton.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 14 in, depth 96 ft.

DATUM.--Land-surface datum is 135 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 0.70 ft above land-surface datum.

REMARKS.--Water levels affected by seasonal irrigation pumping.

PERIOD OF RECORD.--November 1953 to October 1963, January 1965 to October 1966, April 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.53 ft below land-surface datum, May 13, 1958, lowest measured, 27.22 ft below land-surface datum, Sept. 16, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 27	18.68	APR 26	17.65

333959090435001. Local number, Q150.

LOCATION.--Lat 33°39'59", long 90°43'50", in NE4SE4 sec.17, T.21 N., R.5 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 08030207, at O'Reilly at gin.

Owner: Jones Bayou Gin Association.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3-2 in, depth 1,310 ft, cased to 1,310 ft.

DATUM.--Land-surface datum is 133.66 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 3/4-in pipe, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--May 1939 to October 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.10 ft above land-surface datum, May 30, 1939, lowest measured, 19.92 ft below land-surface datum, Oct. 5, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	17.30	MAR 27	19.02

333530090582401. Local number, R064.

LOCATION.--Lat 33°35'30", long 90°58'24", in SE4SE4 sec.12, T.20 N., R.8 W., Choctaw Meridian, Bolivar County, Hydrologic Unit 08030209, at Stringtown.

Owner: H and H Planting Company.

AQUIFER.--Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 520 ft.

DATUM.--Land-surface datum is 133 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of air vent in pump base, 1.8 ft above land-surface datum.

PERIOD OF RECORD.--May 1939, November 1960, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.8 ft below land-surface datum, May 5, 1939, lowest measured, 42.04 ft below land-surface datum, Mar. 30, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAR 27	41.85

CALHOUN COUNTY

335118089175901. Local number, K101.

LOCATION.--Lat 33°51'18", long 89°17'59", in NE4SW4 sec.13, T.23 N., R.9 E., Choctaw Meridian, Calhoun County, Hydrologic Unit 08030205, 0.3 mi northeast of center of Calhoun City at Adams Street and Taylor Street.

Owner: Town of Calhoun City.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 1,897 ft, cased to 1,857 ft.

DATUM.--Land-surface datum is 270 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of air vent in north side of pump base, 1.30 ft above land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--February 1955 to April 1967, June 1969, June 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.75 ft below land-surface datum, Mar. 14, 1957, lowest measured, 105.75 ft below land-surface datum, Oct. 16, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	105.75	APR 9	97.50

GROUND-WATER LEVELS

CARROLL COUNTY

333116089550401. Local number, F001.

LOCATION.--Lat 33°31'16", Long 89°55'04", in SE4SW4 sec.7, T.19 N., R.4 E., Choctaw Meridian, Carroll County, Hydrologic Unit 08030205, near center of North Carrollton at old water plant.

Owner: Town of North Carrollton.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 1,274 ft.

DATUM.--Land-surface datum is 230 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Faucet below pump base, 0.50 ft above land-surface datum.

REMARKS.--Water levels affected by leaks at well head.

PERIOD OF RECORD.--March 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.7 ft above land-surface datum, Mar. 30, 1989, lowest measured, 5.56 ft above land-surface datum, Apr. 11, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	-11.5	MAR 28	-11.1

333057089552002. Local number, F019.

LOCATION.--Lat 33°30'57", long 89°55'20", in SE4SW4 sec.7, T.19 N., R.4 E., Choctaw Meridian, Carroll County, Hydrologic Unit 08030205, near center of North Carrollton at old water plant.

Owner: Town of North Carrollton.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 440 ft.

DATUM.--Land-surface datum is 225 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of air vent in side of pump base, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--May 1961, May 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.00 ft below land-surface datum, May 1, 1961, lowest measured, 13.47 ft below land-surface datum, Oct. 4, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	13.07	MAR 28	12.69

CHICKASAW COUNTY

340030088444801. Local number, D006.

LOCATION.--Lat 34°00'30", long 88°44'48", in NW4SE4 sec.26, T.12 S., R.5 E., Chickasaw Meridian, Chickasaw County, Hydrologic Unit 03160101, at Okolona at old water plant.

Owner: Town of Okolona.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, 10 in, depth reported 400 ft.

DATUM.--Land-surface datum is 307 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete well base, 2.50 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1917, October 1956, December 1958, October 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87 ft below land-surface datum, 1917, lowest measured, 183.59 ft below land-surface datum, Aug. 14, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	150.27	APR 9	162.29

335400088595001. Local number, F016.

LOCATION.--Lat 33°54'00", long 88°59'50", in SW4SW4 sec.33, T.13 S., R.3 E., Chickasaw Meridian, Chickasaw County, Hydrologic Unit 03160104, near center of Houston at old water plant.

Owner: Town of Houston.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 1,076 ft.

DATUM.--Land-surface datum is 340 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of air vent in pump base, 1.20 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1931, July 1940, November 1970, 1971, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 80 ft below land-surface datum, 1931, lowest measured 172.54 ft below land-surface datum, Apr. 22, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
APR 9	131.95

CHICKASAW COUNTY--Continued

335400088594601. Local number, F018.

LOCATION.--Lat 33°54'00", long 88°59'46", in SW4SW4, sec.33, T.13 S., R.3 E., Chickasaw Meridian, Chickasaw County, Hydrologic Unit 03160104, near center of Houston at old water plant.

Owner: Town of Houston.

AQUIFER.--Sand of Ripley Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 130 ft.

DATUM.--Land-surface datum is 340 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Plug in pump base, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--1970, May 1972, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 57.82 ft below land-surface datum, Apr. 13, 1987, lowest measured, 64.40 ft below land-surface datum May 24, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
------	----------------

APR 9	58.20
-------	-------

335136089005301. Local number, K037.

LOCATION.--Lat 33°51'36", long 89°00'53", in SW4SW4 sec.17, T.14 S., R.3 E., Chickasaw Meridian, Chickasaw County, Hydrologic Unit 03180001, 2.5 mi south of center of Houston on west side of State Highway 15.

Owner: J. D. McAlpin.

AQUIFER.--Sand of Ripley Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth reported 130 ft, cased to 80 ft.

DATUM.--Land-surface datum is 320 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--October 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.40 ft below land-surface datum, Mar. 20, 1962, lowest measured, 67.10 ft below land-surface datum, Oct. 28, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1989

DATE	WATER LEVEL	DATE	WATER LEVEL
------	----------------	------	----------------

OCT 16	62.48	APR 9	61.29
--------	-------	-------	-------

CHOCTAW COUNTY

341230090323101. Local number, K022.

LOCATION.--Lat 34°12'30", long 90°32'31", in SW4NE4 sec.18, T.27 N., R.3 W., Choctaw Meridian, Choctaw County, Hydrologic Unit 08030207, near center of Lyon.

Owner: Town of Lyon.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 1,242 ft.

DATUM.--Land-surface datum is 170 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.50 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--October 1961, August 1973, July 1981 to October 1989 (destroyed).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30 ft above land-surface datum, Oct. 30, 1961, lowest measured, 28.47 ft below land-surface datum, Oct. 24, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
------	----------------

OCT 24	28.47
--------	-------

CLAIBORNE COUNTY

315718090591501. Local number, L005.

LOCATION.--Lat 31°57'18", long 90°59'15", in Irregular Lot 4, T.11 N., R.2 E., Washington Meridian, Claiborne County, Hydrologic Unit 08060203, 0.2 mi south of center of Port Gibson at Oak Street and Main Street.

Owner: Town of Port Gibson.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth reported 250 ft.

DATUM.--Land-surface datum is 120 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete base, 2.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--April 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.87 ft below land-surface datum, Apr. 22, 1963, lowest measured, 125.52 ft below land-surface datum, June 6, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
------	----------------	------	----------------

OCT 10	108.99	MAY 1	108.25
--------	--------	-------	--------

GROUND-WATER LEVELS

COAHOMA COUNTY

342400090322001. Local number, C111.

LOCATION.--Lat 34°24'00", long 90°32'20", in NW4SW4 sec.7, T.29 N., R.2 W., Choctaw Meridian, Coahoma County, Hydrologic Unit 08030204, 1 mi south of center of Rich at Rose Acres Plantation headquarters.

Owner: Norfleet and Wilsford.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3-2 in, depth 1,837 ft, screened 1,796-1,837 ft.

DATUM.--Land-surface datum is 180.88 ft above National Geodetic Vertical Datum of 1929 Measuring point: Top of 3-in tee, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--March 1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.8 ft above land-surface datum, July 26, 1940, lowest measured, 14.54 ft below land-surface datum, Oct. 4, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	14.41	MAR 27	14.00

341720090304301. Local number, F012.

LOCATION.--Lat 34°17'19", long 90°30'43", in NE4NW4 sec.21, T.28 N., R.3 W., Choctaw Meridian, Coahoma County, Hydrologic Unit 08030207, 8 mi northeast of center of Clarksdale at airport on U.S. Highway 61.

Owner: City of Clarksdale.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth reported 900 ft.

DATUM.--Land-surface datum is 168 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Hole in east side of casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--April 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.82 ft below land-surface datum, Apr. 14, 1971, lowest measured, 18.29 ft below land-surface datum, Oct. 4, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	16.28	MAR 27	16.46

341311090371801. Local number J005.

LOCATION.--Lat 34°13'11", long 90°37'18", in SW4NE4SW4 sec.9, T.27 N., R.4 W., Choctaw Meridian, Coahoma County, Hydrologic Unit 08030207, 3.2 mi northwest of Clarksdale.

Owner: E.L. Anderson.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in, depth 118 ft.

DATUM.--Land-surface datum is 172 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 3.40 ft above land-surface datum.

REMARKS.--Water level affected by seasonal pumping.

PERIOD OF RECORD.--April 1955, September 1980 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23 ft below land-surface datum, April 1955, lowest measured, 32.70 ft below land-surface datum, Mar. 29, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	28.30	MAR 27	26.87	MAY 24	27.99

COPIAH COUNTY

315129090233901. Local number, P009.

LOCATION.--31°51'29", long 90°23'39", in NE4NE4 sec.10, T.10 N., R.8 E., Washington Meridian, Copian County, Hydrologic Unit 03180003, near center of Hazlehurst.

Owner: Town of Hazlehurst.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12-in, depth 333 ft.

DATUM.--Land-surface datum is 446 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 3/4-in hole in well seal at land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--August 1948, August 1971, May 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 176 ft below land-surface datum, Aug. 1, 1948, lowest measured, 194.20 ft below land-surface datum, May. 1, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAY 1	194.20

COPIAH COUNTY--Continued

315128090205202. Local number, P049.

LOCATION.--Lat 31°51'28", long 90°20'52", in NE4NE4 sec.12, T.10 N., R.8 E., Washington Meridian, Copiah County, Hydrologic Unit 03180003, 3 mi east of center of Hazlehurst at Shady Grove Community.

Owner: Town of Hazlehurst.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 295 ft, cased to 225 ft.

DATUM.--Land-surface datum is 435 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 1.60 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1967, August 1971, April 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 110 ft below land-surface datum, 1967, lowest measured, 143.60 ft below land-surface datum, Apr. 1, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAY 1	136.28

COVINGTON COUNTY

314447089302201. Local number, C028.

LOCATION.--Lat 31°44'47", long 89°30'22", in NW4SW4 sec.15, T.9 N., R.15 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, 10 mi southeast of Mt. Olive on State Highway 532.

Owner: Mississippi Forestry Commission.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, depth 250 ft.

DATUM.--Land-surface datum is 400 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete slab, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--August 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 119.83 ft below land-surface datum, Mar. 31, 1981, lowest measured, 123.95 ft below land-surface datum, Apr. 13, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
APR 16	123.53

313352089243202. Local number, L019.

LOCATION.--Lat 31°33'52", long 89°24'32", in NE4NW4 sec.21, T.7 N., R.14 W., St. Stephens Meridian, Covington County, Hydrologic Unit 03170004, 6 mi east of Seminary on Hwy 590.

Owner: Southwest Jones Water Association.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 900 ft.

DATUM.--Land-surface datum is 435 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 4-in casing, 1.00 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--December 1972, April 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 205 ft below land-surface datum, December 31, 1972, lowest measured, 348.00 ft below land-surface datum, Apr. 16, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
APR 16	348.00

DE SOTO COUNTY

345726089492901. Local number, D002.

LOCATION.--Lat 34°57'26" long 89°49'29", in SE4NW4 sec.34, T.1 S., R.6 W., Chickasaw Meridian, De Soto County, Hydrologic Unit 08030204, 0.35 mi east of center of Olive Branch.

Owner: Town of Olive Branch.

AQUIFER.--Sparta Sand of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in, depth 266 ft.

DATUM.--Land-surface datum is 400 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Breather hole in pump base, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--1956, January 1973, April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 133.40 ft below land-surface datum, 1956, lowest measured, 154.89 ft below land-surface datum, Apr. 27, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAR 28	143.62

GROUND-WATER LEVELS

FORREST COUNTY

311834089170101. Local number, D008.

LOCATION.--Lat 31°18'34", long 89°17'01", in SE4NE4 sec.15, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170005, 2 mi southeast of center of Hattiesburg at Williams Street and Alcorn Street.

Owner: City of Hattiesburg.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 710 ft, screened 610-710 ft.

DATUM.--Land-surface datum is 140 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 1.75 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--December 1964, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.07 ft below land-surface datum, Dec. 21, 1964, lowest measured, 97.88 ft below land-surface datum, May 14, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	88.40	APR 17	85.23

311958089195001. Local number, D108.

LOCATION.--Lat 31°19'58", long 89°07'31", in SE4SE4 sec.6, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170005, 0.6 mi west of intersection of U. S. Highway 49 on 4th Street.

Owner: City of Hattiesburg.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, depth 640 ft.

DATUM.--Land-surface datum is 200 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 3-in casing, at land-surface datum.

REMARKS.--Water level affected by nearby pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.00 ft below land-surface datum, Apr. 7, 1987, lowest measured, 86.76 ft below land-surface datum, Oct. 2, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	86.76	DEC 5	84.74

311137089110501. Local number, G116.

LOCATION.--Lat 31°11'37", long 89°11'05", in SW4NE4 sec.27, T.3 N., R.12 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170007, 3 mi east of south gage of Camp Shelby at Jackson Avenue and 39th Street.

Owner: U.S. Government-Mississippi National Guard (Camp Shelby).

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4-3 in, depth 416 ft, screened 382-416 ft.

DATUM.--Land-surface datum is 258.44 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in casing flange, 2.00 ft above land-surface datum.

REMARKS.--Occasional pumping nearby.

PERIOD OF RECORD.--1943-45, February 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 122.08 ft below land-surface datum, Apr. 2, 1954, lowest measured, 148.12 ft below land-surface datum, Oct. 23, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	144.91	APR 19	145.00

310135089093101. Local number, L079.

LOCATION.--Lat 31°01'35", long 89°09'31", in NW4NW4 sec.25, T.1 N., R.12 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170007, 3 mi Southeast of center of Brooklyn at Ashe Nursery.

Owner: U.S. Forest Service.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled irrigation artesian well, diameter 6 in, depth 720 ft.

DATUM.--Land-surface datum is 275 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 6-in, well seal, 1.25 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 169.80 ft below land-surface datum, Mar. 1, 1970, lowest measured, 182.80 ft below land-surface datum, Apr. 21, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	180.37	APR 19	180.19

FRANKLIN COUNTY

313026091035101. Local number, F001.

LOCATION.--Lat 31°30'26", long 91°03'51", in NW4NE4 sec.19, T.6 N., R.1 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, 0.1 mi northeast of center of Roxie at 3rd Street and East Boulevard.

Owner: Town of Roxie.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 250 ft, cased to 230 ft.

DATUM.--Land-surface datum is 230 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Hole in east side of pump base, 1.90 ft above land-surface datum.

PERIOD OF RECORD.--May 1960 to April 1972, May 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.80 ft below land-surface datum, Apr. 9, 1985, lowest measured, 28.78 ft below land-surface datum, May 9, 1968.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	21.14	MAY 1	21.56

GREENE COUNTY

311435088312201. Local number, M002.

LOCATION.--Lat 31°35'30", long 88°31'05", in NE4NW4 sec.7, T.3 N., R.5 W., ST. Stephens Meridian, Greene County, Hydrologic Unit 03170003, 8 mi northeast of center of Leakesville.

Owner: H. F. Garreston, Jr.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 703 ft.

DATUM.--Land-surface datum is 107 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of discharge pipe, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.0 ft above land-surface datum, Jan. 22, 1970, Apr. 24, 1974, lowest measured, 9.3 ft above land-surface datum, Apr.17, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
APR 17	-9.3

310856088325401. Local number, P039.

LOCATION.--Lat 31°08'56", long 88°32'54", in NW4SW4 sec.12, T.2 N., R.6 W., St. Stephens Meridian, Greene County, Hydrologic Unit 03170003, at Leakesville Landing at Chickasawhay River. Bridge downstream side north end of bridge.

Owner: Pat Harrison Waterway District.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled recreation artesian well, diameter 2 in, depth 341 ft.

DATUM.--Land-surface datum is 80 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: End of 2-in pipe, 2.00 ft above land-surface datum.

REMARKS.--Leaking casing.

PERIOD OF RECORD.--December 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.0 ft above land-surface datum, Dec. 16, 1981, lowest measured, 8.6 ft above land-surface datum, Apr. 5, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
APR 17	-11.6

GRENADA COUNTY

335032089473101. Local number, B102.

LOCATION.--Lat 33°50'32", long 89°47'31", in SE4SE4 sec.20, T.23 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, 4 mi north of center of Grenada at Grenada Airport.

Owner: City of Grenada.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 195 ft.

DATUM.--Land-surface datum is 210 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Breather hole in pump base, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--November 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.92 ft above land-surface datum, Mar. 30, 1989, lowest measured, 8.55 ft below land-surface datum, Mar. 24, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	-1.67	MAR 28	.77

GRENADA COUNTY--Continued

334556089583501. Local number, F112.

LOCATION.--Lat 33°45'56", long 89°58'45", in SE4SE4 sec.16, T.22 N., R.3 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, 0.2 mi northwest of center of Holcomb at school.
 Owner: Holcomb School.

AQUIFER.--Sand of Wilcox Group of late Paleocene.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, depth 983 ft, screened 943-983 ft.

DATUM.--Land-surface datum is 183.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in tee, 1.40 ft above land-surface datum, or top of discharge pipe, 1.20 ft above land-surface datum.

PERIOD OF RECORD.--January 1939 to June 1969, May 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.4 ft above land-surface datum, July 31, 1941, lowest measured, 3.50 ft above land-surface datum, Mar. 30, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
------	----------------

MAR 28	-4.61
--------	-------

334128089441701. Local number, H111.

LOCATION.--Lat 33°41'28", long 89°44'17", in SE4SE4 sec.11, T.21 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, 1 mi east of center of Elliot on west bank of Batupan Bogue.
 Owner: E. T. Hill.

AQUIFER.--Sand of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 502 ft, screened 421-502 ft.

DATUM.--Land-surface datum is 208.69 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base (since Feb. 11, 1976), 4.00 ft above land-surface datum.

PERIOD OF RECORD.--1943, February 1954 to October 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.50 ft above land-surface datum, Jan. 2, 1943, lowest measured, 11.67 ft below land-surface datum, Mar. 28, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
------	----------------

MAR 28	11.67
--------	-------

334147089433801. Local number, H113.

LOCATION.--Lat 33°41'47", long 89°43'38", in NE4SW4 sec.12, T.21 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, 1.5 mi east of center of Elliot.
 Owner: J. W. Willis, Sr.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12-10 in, depth 211 ft, screened 161-211 ft.

DATUM.--Land-surface datum is 216.70 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent hole in pump base, 3.40 ft above land-surface datum.

PERIOD OF RECORD.--1954 to October 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.85 ft below land-surface datum, Mar. 26, 1987, lowest measured, 15.74 ft below land-surface datum, Nov. 6, 1957.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
------	----------------

MAR 28	2.55
--------	------

334148089425701. Local number, J002.

LOCATION.--Lat 33°41'48", long 89°42'57", in NW4SW4 sec.7, T.21 N., R.6 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, 2.5 mi east of center of Elliot.
 Owner: J. W. Willis, Jr.

AQUIFER.--Sand of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 12 in, depth 429 ft, cased to 390 ft.

DATUM.--Land-surface datum is 227.21 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base (since Feb. 11, 1976), 1.50 ft above land-surface datum.

PERIOD OF RECORD.--September 1942, October 1956 to October 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.10 ft above land-surface datum, Sept. 19, 1942, lowest measured, 21.90 ft below land-surface datum, Mar. 28, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
------	----------------

MAR 28	21.90
--------	-------

HANCOCK COUNTY

302158089372901. Local number, H003.

LOCATION.--Lat 30°21'58", long 89°37'29", in SW4NW4 sec.8, T.8 S., R.16 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03180004, 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.
 Owner: Stennis Space Center.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 1,524 ft, cased to 1,464 ft.

DATUM.--Land-surface datum is 28 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of well head 4.20 ft above land-surface datum.

PERIOD OF RECORD.--January 1963, October 1965 to January 1968, April 1970, April 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87 ft above land-surface datum, January 1963, lowest measured, 42.8 ft above land-surface datum, Oct. 20, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	-44.2	APR 18	-45.1

302140089345901. Local number, H004.

LOCATION.--Lat 30°21'40", long 89°34'59", in NE4SE4 sec.10, T.8 S., R.16 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03180004, 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.
 Owner: Stennis Space Center.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in, depth 1,873 ft, cased to 1,803 ft.

DATUM.--Land-surface datum is 21 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of faucet 1.90 ft above land-surface datum.

PERIOD OF RECORD.--1963, August 1965 to January 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 104 ft above land-surface datum, 1963, lowest measured, 53.6 ft above land-surface datum, Oct. 16, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	-60.5	APR 18	-63.7

302227089373001. Local number, H005.

LOCATION.--Lat 30°22'27", long 89°37'30", in NE4SW4 sec.5, T.8 S., R.16 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03180004, 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.
 Owner: Stennis Space Center.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 1,481 ft, cased to 1,420 ft.

DATUM.--Land-surface datum is 29 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of well head, 6.20 ft above land-surface datum.

PERIOD OF RECORD.--May 1964 to March 1968, Apr. 1, 1970, April 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.3 ft above land-surface datum June 3, 1966, lowest measured, 45.3 ft above land-surface datum Apr. 9, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	-45.5	APR 18	-45.5

302140089351401. Local number, H006.

LOCATION.--Lat 30°21'40", long 89°35'14", in NE4SW4 sec.10, T.8 S., R.16 W., ST. Stephens Meridian, Hancock County, Hydrologic Unit 03180004, 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.
 Owner: Stennis Space Center.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in, depth 1,695 ft, cased to 1,585 ft.

DATUM.--Land-surface datum is 23 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete base, 3.0 ft above land-surface datum.

PERIOD OF RECORD.--October 1965 to February 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 94.9 ft above land-surface datum, Nov. 11, 1965, lowest measured, 49.0 ft above land-surface datum, Oct. 16, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1988 TO SEPTEMBER 1989

DATE	WATER LEVEL
APR 18	-51.3

HANCOCK COUNTY--Continued

302206089350601. Local number, H007.

LOCATION.--Lat 30°22'06", long 89°35'06", in NW¼NE¼ sec.10, T.8 S., R.16 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03180004, 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Stennis Space Center.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 1,434 ft, cased to 1,371 ft.

DATUM.--Land-surface datum is 25 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Bottom of recorder, 0.4 ft below land-surface datum.

PERIOD OF RECORD.--1964, 1967, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.6 ft above land-surface datum, Mar. 1, 1967,
lowest measured, 50.4 ft above land-surface datum, Apr. 6, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	-50.9	APR 18	-53.2

302126089351401. Local number, H008.

LOCATION.--Lat 30°21'26", long 89°35'14", in SW¼SE¼ sec.10, T.8 S., R.16 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03180004, 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Stennis Space Center.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 24 in, depth 672 ft, cased to 460 ft.

DATUM.--Land-surface datum is 19 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete base, 3.5 ft above land-surface datum.

PERIOD OF RECORD.--April 1965 to January 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.9 ft above land-surface datum, Apr. 19, 1965,
lowest measured, 0.62 ft below land-surface datum, Apr. 28, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	0.65	APR 18	0.80

302118089351501. Local number, H011.

LOCATION.--Lat 30°21'18", long 89°35'15", in NW¼NE¼ sec.15, T.8 S., R.16 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03180004, 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Stennis Space Center.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 676 ft, cased to 646 ft.

DATUM.--Land-surface datum is 21.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of

3/4-in gate valve, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--July 1967 to April 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.5 ft above land-surface datum, Apr. 20, 1972,
lowest measured, 1.38 ft above land-surface datum, Oct. 14, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	5.39	APR 18	5.84

302118089351502. Local number, H012.

LOCATION.--Lat 30°21'18", long 89°35'15", in NW¼NE¼ sec.15, T.8 S., R.16 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03180004, 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Stennis Space Center.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 599 ft, cased to 569 ft.

DATUM.--Land-surface datum is 20.9 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of

3/4-in gate valve, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--July 1967 to April 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.5 ft above land-surface datum, Apr. 20, 1972,
lowest measured, 2.65 ft above land-surface datum, Apr. 28, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	-3.95	APR 18	-4.30

HANCOCK COUNTY--Continued

302118089351503. Local number, H013.

LOCATION.--Lat 30°21'18", long 89°35'15", in NW4NE4 sec.15, T.8 S., R.16 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03180004, 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Stennis Space Center.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 491 ft, cased to 461 ft.

DATUM.--Land-surface datum is 21.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4 in gate valve, 2.60 ft above land-surface datum.

PERIOD OF RECORD.--July 1967 to April 1968, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.5 ft above land-surface datum, Apr. 20, 1972, lowest measured, 0.95 ft below land-surface datum, Oct. 20, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	-1.79	APR 18	-1.86

302118089351504. Local number, H014.

LOCATION.--Lat 30°21'18", long 89°35'15", in NE4 sec.15, T.8 S., R.16 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03180004, 20 mi northwest of center of Bay St. Louis at NASA site on State Highway 607.
Owner: Stennis Space Center.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 144 ft, cased to 84 ft.

DATUM.--Land-surface datum is 20 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--1968, January 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.6 ft below land-surface datum, May 1, 1974, lowest measured, 8.3 ft below land-surface datum, June 3, 1968.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	6.30	APR 18	4.44

301858089202301 Local number, K001.

LOCATION.--Lat 30°18'58", long 89°20'23", in NW4SW4 sec.3, T.8 S., R.13 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03170009, 0.5 mi south of center of Bay St. Louis at St. Charles Street and Hancock Street.
Owner: City of Bay St. Louis.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 1,300 ft, cased to 1,280 ft.

DATUM.--Land-surface datum is 16 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of plate on well head, 1.20 ft above land-surface datum.

PERIOD OF RECORD.--November 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.1 ft above land-surface datum, Nov. 1, 1960, lowest measured, 6.86 ft below land-surface datum, Oct. 16, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	6.27	APR 18	5.75

301900089201801. Local number, K004.

LOCATION.--Lat 30°19'00", long 89°20'18", in SW4 sec.30, T.8 S., R.13 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03170009, 0.2 mi north of Beach Boulevard on St. Charles Street.
Owner: City of Bay St. Louis.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in, depth 1,210 ft, cased to 1,150 ft.

DATUM.--Land-surface datum is 16 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete base, at land-surface datum.

REMARKS.--Water levels affected by length of time pump off before measurement made.

PERIOD OF RECORD.--August 1975, April 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17 ft above land-surface datum, August 1975, lowest measured, 0.09 ft below land-surface datum, Apr. 9, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
APR 18	-4.65

HARRISON COUNTY

303110089070201. Local number, G121.

LOCATION.--Lat 30°31'10", long 87°07'02", in NE4SW4 sec.17, T.6 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, 2 mi northwest of center of Lyman at fish hatchery.

Owner: Mississippi Wildlife Conservation Department, Fisheries Division.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, depth 456 ft, screened 416-456 ft.

DATUM.--Land-surface datum is 70 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 0.40 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1939, July 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.0 ft below land-surface datum, Apr. 14, 1939, lowest measured, 75.65 ft below land-surface datum, Apr. 7, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	71.03	APR 19	68.11

302400098022403. Local number, L141.

LOCATION.--Lat 30°22'40", long 89°02'54", in SW4NW4 sec.1, T.8 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, 2.5 mi east of center of Gulfport at V.A. Hospital on U.S. Highway 90.

Owner: U.S. Government (V.A. Hospital).

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth reported 898 ft, cased to 818 ft.

DATUM.--Land-surface datum is 21 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Steel plate on top of tee, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--March 1939, June 1957 to December 1958, April 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.3 ft above land-surface datum, Mar. 17, 1939, lowest measured, 52.10 ft below land-surface datum, Oct. 15, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	50.59	MAR 21	43.46

302200089053301. Local number, L154.

LOCATION.--Lat 30°22'00", long 89°05'33", in NW4NE4 sec.9, T.8 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, at center of Gulfport at post office at U.S. Highways 49 and 90.

Owner: U.S. Post Office Department, Gulfport.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, depth 1,262 ft, screened 1,232-1,262 ft.

DATUM.--Land-surface datum is 19.62 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in casing tee, 1.70 ft above land-surface datum.

PERIOD OF RECORD.--March 1939 to October 1950, January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.1 ft above land-surface datum, Jan. 31, 1940, lowest measured, 15.14 ft below land-surface datum, Mar. 29, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	14.29	MAR 21	13.90	APR 18	13.30

302403089141801. Local number, L454.

LOCATION.--Lat 30°24'03", long 89°14'18", in SW4SW4 sec.30, T.7 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, 1.2 mi north of U.S. Naval Reservation, Gulfport.

Owner: Carl McGill.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3 in, depth 2,404 ft.

DATUM.--Land-Surface datum is 20 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 3-in pipe, 3.0 ft of above land surface datum.

PERIOD OF RECORD.--October 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 55.9 ft above land-surface datum, Oct. 26, 1984, lowest measured, 49.4 ft above land-surface datum, APR. 19, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	-54.5	APR 19	-49.4

HARRISON COUNTY--Continued

302410089082201. Local number, L654.

LOCATION.--Lat 30°24'10", long 89°08'22", in SW4SE4 sec.30, T.7 S., R.11 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, 1 mi west of center of Biloxi.

Owner: Dolan Trailer Park.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 4 in, depth 1,690 ft.

DATUM.--Land-surface datum is 17 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of well casing, at land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--April 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.8 ft above land-surface datum, Apr. 30, 1986, lowest measured, 43.9 ft above land-surface, Apr. 8, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	-43.9	APR 19	-43.9

301856089145301. Local number, N003.

LOCATION.--Lat 30°18'56", long 89°14'53", in SW4NW4 sec.30, T.8 S., R.13 W., St. Stephens Meridian, Harrison County, Hydrologic Unit 03170009, 0.1 mi northwest of center of Pass Christian at 2nd and Clark Streets.

Owner: Town of Pass Christian.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 1,111 ft, cased to 1,051 ft.

DATUM.--Land-surface datum is 15 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 8-in tee, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--1948, 1968, August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39 ft above land-surface datum, 1948, lowest measured, 6.64 ft below land-surface datum, Oct. 14, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	5.33	APR 18	3.50

HINDS COUNTY

322900090171001. Local number, C029.

LOCATION.--Lat 32°29'00", long 90°17'10", in SW4SE4 sec.3, T.2 N., R.1 W., Choctaw Meridian, Hinds County, Hydrologic Unit 0806212, 0.2 mi northeast of center of Pocahontas at elevated water tank.

Owner: Town of Pocahontas.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 4 in, depth 774 ft.

DATUM.--Land-surface datum is 240 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

PERIOD OF RECORD.--June 1968, March 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 95 ft below land-surface datum, Jun. 1968, lowest measured, 126.23 ft below land-surface datum, APR. 2, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	124.78	APR 2	126.23

321949090361501. Local number, D001.

LOCATION.--Lat 32°19'49", long 90°36'15", in SW4SW4 sec.27, T.6 N., R.4 W., Choctaw Meridian, Hinds County, Hydrologic Unit 08060202, 0.2 mi south of center of Edwards on State Highway 467.

Owner: Town of Edwards.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 1,154 ft.

DATUM.--Land-surface datum is 220 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Breather hole in west side of pump base, at land-surface datum.

PERIOD OF RECORD.--1930, September 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84 ft below land-surface datum, 1930, lowest measured, 135.55 ft below land-surface datum, Oct. 23, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	116.63	APR 2	116.75

GROUND-WATER LEVELS

HINDS COUNTY--Continued

322112090195601. Local number, G059.

LOCATION.--Lat 32°21'12", long 90°19'56", in NW4NW4 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 National Geodetic Vertical Datum 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, 239.45 ft below land-surface datum, Sept. 23, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	226.30	DEC 29	230.39	FEB 27	230.81	APR 30	232.12	JUN 25	233.34	AUG 30	234.99
NOV 21	227.56	JAN 23	230.28	MAR 20	231.90	MAY 23	232.60	JUL 27	234.75	SEP 26	235.60

322128090174901. Local number, G101.

LOCATION.--Lat 32°21'28", long 90°17'49", in SE4SE4 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 National Geodetic Vertical Datum 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, 251.34 ft below land-surface datum, Aug. 23, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	242.70	DEC 29	235.23	FEB 27	233.48	APR 30	235.25	JUN 25	234.52	AUG 30	240.44
NOV 21	249.55	JAN 23	235.19	MAR 20	231.98	MAY 23	233.12	JUL 27	240.63	SEP 26	240.75

322301090090001. Local number, H023.

LOCATION.--Lat 32°23'01", long 90°09'00", in NW4NE4 sec.12, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, 6 mi north of center of Jackson at Briarwood Drive and U.S. Interstate 55.

Owner: Kenneth Muse.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 728 ft.

DATUM.--Land-surface datum is 315 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 0.65 ft above land-surface datum.

PERIOD OF RECORD.--October 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 161.96 ft below land-surface datum, Apr. 12, 1957, lowest measured, 242.69 ft below land-surface datum, Sept. 26, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	237.79	DEC 29	236.59	FEB 27	237.08	APR 30	237.60	JUN 25	239.30	AUG 30	242.49
NOV 21	236.85	JAN 23	236.27	MAR 20	237.40	MAY 23	238.03	JUL 27	240.18	SEP 26	242.69

322241090073701. Local number, H160.

LOCATION.--Lat 32°22'41", long 90°07'37", in SE4NE4 sec.7, T.6 N., R.2 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, northeast of center of Jackson at Old Canton Road and Parkway Drive.

Owner: Colonial Country Club.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth reported 773 ft, cased to 634 ft.

DATUM.--Land-surface datum is 305 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, at land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 136.73 ft below land-surface datum, Mar. 30, 1954, lowest measured, 227.26 ft below land-surface datum, Sept. 26, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 24	222.16	DEC 29	220.60	FEB 27	223.18	APR 30	221.67	JUN 25	223.90	AUG 30	227.20
NOV 21	220.78	JAN 23	219.44	MAR 20	221.66	MAY 23	222.08	JUL 27	224.85	SEP 26	227.26

HINDS COUNTY--Continued

322223090132801. Local number, H163.

LOCATION.--Lat 32°22'23", long 90°13'28", in sec.8, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, 5.5 mi northwest of center of Jackson on Forest Avenue.

Owner: Tri State Brick Company.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 824 ft.

DATUM.--Land-surface datum is 360 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 14-in plug at top of well head, 1.50 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--April 1972, June 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 272 ft below land-surface datum Apr. 1, 1974, lowest measured, 297.24 ft below land-surface datum Sept. 19, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	246.34	DEC 9	296.10	FEB 7	283.33	APR 30	287.80	JUN 25	289.53	AUG 28	292.28
NOV 21	295.28	JAN --	-----	MAR 20	286.90	MAY 23	295.02	JUL 27	290.35	SEP 26	292.23

322222090095201. Local number, H164.

LOCATION.--Lat 32°22'22", long 90°09'52", in SW4SE4 sec.11, T.6 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, 7 mi north of center of Jackson on North State Street.

Owner: Homewood Manor Traylor Court.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in, depth 738 ft.

DATUM.--Land-surface datum is 298 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Plug in west side of casing, 0.3 ft above land-surface datum.

PERIOD OF RECORD.--January 1975, June 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 195.65 ft below land-surface datum, June 10, 1977, lowest measured 221.73 ft below land-surface datum, Sept. 26, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	217.76	DEC 29	216.73	FEB 27	216.39	APR 30	216.85	JUN 25	218.65	AUG 30	221.51
Nov 21	216.89	JAN 23	215.92	MAR 20	217.25	MAY 23	217.72	JUL 27	218.80	SEP 26	221.73

321512090283301. Local number, K055.

LOCATION.--Lat 32°15'12", long 90°28'33", in NW4NE4 sec.26, T.5 N., R.3 W., Choctaw Meridian, Hinds County, Hydrologic Unit 08060202, 2.2 mi west of Raymond.

Owner: J. Eastwood.

AQUIFER.--Sand of Mint Spring Marl of Vicksburg Group of Oligocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 195 ft.

DATUM.--Land-surface datum is 242 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of plastic well casing, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--September 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 61.11 ft below land-surface datum, Apr. 30, 1980, lowest measured, 64.68 ft below land-surface datum, Oct. 11, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	64.08	APR 2	63.37

321521090245101. Local number, L005.

LOCATION.--Lat 32°15'21", long 90°24'51", in NE4NW4 sec.20, T.5 N., R.2 E., Choctaw Meridian, Hinds County, Hydrologic Unit 08060202, 0.1 mi northwest of center of Raymond on Court Street east of Oak Street.

Owner: Town of Raymond.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 1,185 ft.

DATUM.--Land-surface datum is 328 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of air vent in pump base, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1960, April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 191.70 ft below land-surface datum, Mar. 18, 1971, lowest measured, 242.97 ft below land-surface datum, October 10, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	242.97	APR 2	236.62

GROUND-WATER LEVELS
HINDS COUNTY--Continued

321815090100201. Local number, N025.

LOCATION.--Lat 32°18'15", long 90°10'02", in NW4SE4 sec.2, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, 1 mi east of center of Jackson on High Street.

Owner: Red Roof Inn (Formerly Ridgeway).

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth reported 1,500 ft.

DATUM.--Land-surface datum is 275 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 2-in pipe, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--July 1956, November 1979, April 1987 to May 1990 (destroyed).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20 ft above land-surface datum, July 9, 1956, lowest measured, 3.10 ft below land-surface datum, May 23, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT --	----	DEC 29	2.42	FEB 27	2.57	APR 30	2.55	JUN --	----	AUG --	----
NOV 25	2.14	JAN 23	1.01	MAR 20	2.85	MAY 23	3.10	JUL --	----	SEP --	----

321752090102601. Local number, N092.

LOCATION.--Lat 32°17'52", long 90°10'26", in SW4SW4 sec.2, T.5 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, southeast corner of Mississippi State Fairgrounds off Jefferson Street.

Owner: Mississippi Fair Commission.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 260 ft.

DATUM.--Land-surface datum is 271 ft above National Geodetic Vertical Datum 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 103.15 ft below land-surface datum, Sept. 26, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	102.21	DEC 29	102.15	FEB 27	101.88	APR 30	101.81	JUN 25	102.35	AUG 30	102.86
NOV 21	102.00	JAN 23	100.95	MAR 20	102.24	MAY 23	104.22	JUL 27	102.41	SEP 26	103.15

321300090142001. Local number, R023.

LOCATION.--Lat 32°13'00", long 90°14'20", in SE4NW4 sec.6, T.4 N., R.1 E., Choctaw Meridian, Hinds County, Hydrologic Unit 03180002, 6 mi south of center of Jackson at Taylorsville on Elton Road near Terry Road.

Owner: Glen Bright

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 840 ft.

DATUM.--Land-surface datum is 380 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--June 1959 to October 1989 (destroyed).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 220.97 ft below land-surface datum, June 30, 1959, lowest measured, 272.99 ft below land-surface datum, Mar. 21, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
OCT 10	264.50

320554090173902. Local number, V033.

LOCATION.--Lat 32°04'30", long 90°54'33", in NW4SW4 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 National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete base, 1.65 ft above land-surface datum.

REMARKS.--Standby well, pumped occasionally, and affected by nearby pumping.

PERIOD OF RECORD.--September 1959, September 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65 ft below land-surface datum, September 1959, lowest measured, 151.81 ft below land-surface datum, July 27, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT --	-----	DEC 29	148.67	FEB 27	142.17	APR 30	145.47	JUN 25	147.06	AUG --	-----
NOV 21	141.71	JAN 23	143.07	MAR 20	144.33	MAY 23	143.27	JUL 27	151.81	SEP 26	146.49

HOLMES COUNTY

330650090034501. Local number, L043.

LOCATION.--Lat 33°06'50", long 90°03'45", in SW4NE4 sec.35, T.15 N., R.2 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, 0.3 mi west of center of Lexington on Boulevard Street at McLean Street.

Owner: Eric Norquist.

AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth reported 1,000 ft.

DATUM.--Land-surface datum is 205 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of tee at well head, at land-surface datum.

PERIOD OF RECORD.--October 1957, January 1959, April 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.90 ft above land-surface datum, Jan. 12, 1959, lowest measured, 3.20 ft below land-surface datum, Mar. 31, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAR 29	3.20

330448090192201. Local number, P159.

LOCATION.--Lat 33°04'48", long 90°19'22", in NE4NW4 sec.8, T.14 N., R.1 W., Choctaw Meridian, Holmes County, Hydrologic Unit 08030206, at Thornton.

Owner: M. L. Smith.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3-2 in, depth, 1,597 ft, screened 1,557-1,597 ft.

DATUM.--Land-surface datum is 111.72 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of tee, at land-surface datum.

PERIOD OF RECORD.--February 1939 to April 1972, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 139.6 ft above land-surface datum, July 31, 1941, lowest measured, 53.0 ft above land-surface datum, Apr. 20, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAR 29	-57.7

330443089512503. Local number, T004.

LOCATION.--Lat 33°04'43", long 89°51'25", in SE4 sec.11, T.14 N., R.4 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08060201, 0.3 mi northwest of center of Durant at Lamar Street and Ramsey Street.

Owner: Town of Durant.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 700 ft.

DATUM.--Land-surface datum is 267 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 3/4-in hole in west side of well head, about 1.00 ft above land-surface datum.

PERIOD OF RECORD.--January 1957, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6 ft above land-surface datum, January 1957, lowest measured, 28.48 ft below land-surface datum, Apr. 1, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAR 29	25.80

330420089510901. Local number, T014.

LOCATION.--Lat 33°04'20", long 89°51'09", in SE4NE4 sec.14, T.14 N., R.4 E., Choctaw Meridian, Holmes County, Hydrologic Unit 08060201, 0.1 mi southeast of center of Durant at Cedar Street and Love Street.

Owner: Illinois Central Railroad.

AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 608 ft, cased to 588 ft.

DATUM.--Land-surface datum is 263 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 2-in hole in top of casing, 0.60 ft above land-surface datum.

PERIOD OF RECORD.--October 1959, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.77 ft above land-surface datum, Oct. 8, 1959, lowest measured, 12.58 ft below land-surface datum, Mar. 29, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAR 29	12.58

GROUND-WATER LEVELS

HUMPHREYS COUNTY

331539090351701. Local number, B014.

LOCATION.--Lat 33°15'39", long 90°35'17", in SW4NW4 sec.2, T.16 N., R.4 W., Choctaw Meridian, Humphreys County, Hydrologic Unit 08030207, in Isola.

Owner: Mary Ann Demsey (J. D. Lee home).

AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 1,400 ft.

DATUM.--Land-surface datum is 111 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 3-in tee at well head, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--December 1938, April 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.0 ft above land-surface datum Dec. 10, 1938, lowest measured, 9.3 ft above land-surface datum, Mar. 25, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAR 29	-9.7

330606090353501. Local number, E088.

LOCATION.--Lat 33°06'06", long 90°35'35", in NW4SW4 sec.35, T.15 N., R.4 W., Choctaw Meridian, Humphreys County, Hydrologic Unit 08030207, 7.5 mi southwest of Belzoni.

Owner: Prather Farms.

AQUIFER.--Mississippi River Valley Alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water table well, diameter 16 in, depth 96 ft.

DATUM.--Land-surface datum is 96 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 16 in casing, 1.10 ft above land-surface datum.

PERIOD OF RECORD.--July 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.28 ft below land-surface datum, Mar. 25, 1985, lowest measured, 27.70 ft below land-surface datum June 9, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	25.04	MAR 29	21.26

330805090205501. Local number, G061.

LOCATION.--Lat 33°08'05", long 90°20'55", in SE4NE4 sec.24, T.15 N., R.2 W., Choctaw Meridian, Humphreys County, Hydrologic Unit 08030207, 8 mi southeast of Belzoni.

Owner: Bernard Jones.

AQUIFER.--Meridian Sand member of Talahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in, depth 1520 ft.

DATUM.--Land-surface datum is 115 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Faucet at well head, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--June 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 58.7 ft above land-surface datum, Mar. 30, 1989, lowest measured 53.8 ft above land-surface datum, June 9, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAR 29	-58.7

ITAWAMBA COUNTY

341633088243801. Local number, G024.

LOCATION.--Lat 34°16'33", long 88°24'38", in NW4NE4 sec.25, T.9 S., R.8 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, 0.2 mi northwest of center of Fulton on Hill Street at Waterworks.

Owner: Town of Fulton.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 164 ft.

DATUM.--Land-surface datum is 320 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.25 ft above land-surface datum.

PERIOD OF RECORD.--August 1954, August 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.6 ft below land-surface datum, Feb. 16, 1959, lowest measured, 64.64 ft below land-surface datum, Oct. 7, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	40.50	APR 11	39.85

JACKSON COUNTY

302454088493401. Local number, N048.

LOCATION.--Lat 30°24'55", long 88°49'35", in SE4SW4 sec.19, T.7 S., R.8 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170009, 0.1 mi east of depot at Ocean Springs at Robinson Avenue and Cash Alley.

Owner: Louisville and Nashville Railroad.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth reported 535 ft, screened 495-535 ft cased to 495 ft.

DATUM.--Land-surface datum is 23 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Hole in northwest side of pump, 0.80 ft above land-surface datum.

PERIOD OF RECORD.--1928, April 1939, August 1958 to July 1963, July 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.0 ft above land-surface datum, 1928, lowest measured, 95.49 ft below land-surface datum, July 12, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	89.95	APR 18	95.00

302357088473801. Local number, N073.

LOCATION.--Lat 30°23'57", long 88°47'38", in SE4NW4 sec.28, T.2 S., R.8 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170009, 2 mi southeast of center of Ocean Springs on Henley Street near park entrance.

Owner: Magnolia State Park.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 536 ft, screened 516-536 ft.

DATUM.--Land-surface datum is 22 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--April 1938, June 1956 to April 1973, June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.0 ft above land-surface datum, Apr. 8, 1938, lowest measured, 80.71 ft below land-surface datum, Oct. 19, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	80.16	APR 18	78.90

302503088481602. Local number, N511.

LOCATION.--Lat 30°25'03", long 88°48'16", in NE4SE4 sec.20, T.7 S., R.8 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170009, 1.5 mi east of depot at Ocean Springs.

Owner: Tommy Moreton.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3 in, depth 1,280 ft, screened 1,240-1,280 ft.

DATUM.--Land-surface datum is 5 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 3-in tee, 2 ft above land-surface datum.

PERIOD OF RECORD.--July 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.0 ft above land-surface datum, July 1, 1984, lowest measured, 11.5 ft above land-surface Apr. 18, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	12.9	APR 18	11.5

302451088325901. Local number, P045.

LOCATION.--Lat 30°24'51", long 99°32'59", in NE4NE4 sec.10, T.7 S., R.6 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170008, 0.5 mi northwest of center of Moss Point at Weems Street and Dantzler Street.

Owner: Central Artesian Well Co.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 806 ft, cased to 806 ft.

DATUM.--Land-surface datum is 20 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Hole in tee, 0.80 ft above land-surface datum.

PERIOD OF RECORD.--September 1919, September 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 28.0 ft above land-surface datum, Sept. 6, 1919, lowest measured, 54.07 ft below land-surface datum, Nov. 6, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	44.78	APR 17	43.80

JACKSON COUNTY--Continued

302244088325801. Local number, P068.

LOCATION.--Lat 30°22'44", long 88°32'58", in SE4NE4 sec.2, T.8 S., R.6 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170006, 1 mi north of center of Pascagoula at Market Street and River Road.

Owner: City of Pascagoula.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 292 ft, cased to 282 ft.

DATUM.--Land-surface datum is 12 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent in top of plate at well head, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--April 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.05 ft below land-surface datum, Apr. 18, 1962, lowest measured, 95.90 ft below land-surface datum, July 12, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	85.10	APR 17	68.29

302134088330803. Local number, P124.

LOCATION.--Lat 30°21'34", long 88°33'08", in SW4SE4 sec.11, T.8 S., R.6 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170006, 0.5 mi southeast of center of Pascagoula at Communny Street east of Pascagoula Street.

Owner: City of Pascagoula.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 801 ft, cased to 721 ft.

DATUM.--Land-surface datum is 10.50 ft above National Geodetic Vertical Datum of 1929. Measuring point: Hole in northeast side of plate at well head, 1.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--April 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.70 ft below land-surface datum, Mar. 21, 1960, lowest measured, 144.64 ft below land-surface datum, June 12, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	64.04	APR 17	57.41

302042088331801. Local number, P134.

LOCATION.--Lat 30°20'42", long 88°33'18", in SE4 sec.6, T.8 S., R.6 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170006, 1.5 mi south of center of Pascagoula at Farnsworth Avenue and Firth Street.

Owner: City of Pascagoula.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 750 ft.

DATUM.--Land-surface datum is 10.54 ft above National Geodetic Vertical Datum of 1929. Measuring point: Air vent in north side of pump base, 1.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--April 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.14 ft below land-surface datum, May 5, 1960, lowest measured, 121.03 ft below land-surface datum, June 12, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	56.00	APR 17	48.72

302535088303501. Local number, Q025.

LOCATION.--Lat 30°25'35", long 88°30'35", in NW4NE4 sec.20, T.7 S., R.5 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170008, 2 mi east of center of Escatawpa on Elder Ferry Road at packing plant.

Owner: Seacoast Products (Formerly Smith Fisheries).

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 200 ft.

DATUM.--Land-surface datum is 4 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--June 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.07 ft below land-surface datum, Apr. 15, 1960, lowest measured, 49.56 ft below land-surface datum, Apr. 30, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	30.84	APR 25	31.90

JACKSON COUNTY--Continued

302126088293801. Local number, Q112.

LOCATION.--Lat 30°21'32", long 88°29'38", in SW4SW4 sec.9, T.8 S., R.5 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170009, 5 mi southeast of center of Pascagoula on east side of State Highway 611 north of Standard Oil Refinery.

Owner: Jackson County Board of Supervisors.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6-4 in, depth 202 ft, screened 192-202 ft cased to 192 ft.

DATUM.--Land-surface datum is 3.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--May 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.29 ft below land-surface datum, May 6, 1960, lowest measured, 16.22 ft below land-surface datum, July 14, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	10.53	APR 17	9.73

302304088305901. Local number, Q149.

LOCATION.--Lat 30°23'04", long 88°30'59", in SE4SE4 sec.31, T.8 S., R.5 W., St. Stephens Meridian, Jackson County, Hydrologic unit 03170006, 0.5 mi west of State Highway 607 on U.S. Highway 90 east of Pascagoula.

Owner: Dairy Fresh Corporation.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 333 ft.

DATUM.--Land-surface datum is 15 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--June 1963, August 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 32.27 ft below land-surface datum, Apr. 17, 1990, lowest measured 116.30 ft below land-surface datum, Aug. 30, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	34.53	APR 17	32.27

302103088294701. Local number, Q403.

LOCATION.--Lat 33°21'03", long 88°29'47", in NE4SE4 sec. 17, T. 8 S., R. 5 W., St. Stephens Meridian, Jackson County.

Hydrologic Unit 03170009, mi southeast of center of Pascagoula west side of State Highway 611 at Coastal Chemical Co.

Owner: U.S. Geological Survey.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 3416 ft, cased to 340 ft.

DATUM.--Land-surface datum is 12 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 3.3 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--June 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.90 ft below land-surface datum, Apr. 17, 1990; lowest measured, 145.1 ft below land-surface datum, June 19, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	87.36	APR 17	45.90

302253088302401. Local number, Q407.

LOCATION.--Lat 30°22'53", long 88°30'24", in SW4NW4 sec.5, T.8 S., R.5 W., St. Stephens Meridian, Jackson County,

Hydrologic Unit 03170006, 2.5 mi east of center of Pascagoula on Old Mobile Highway at Chateau Drive.

Owner: City of Pascagoula.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 327 ft.

DATUM.--Land-surface datum is 13.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in pipe, 2.50 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--March 1975, April 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.0 ft below land-surface datum Mar. 1, 1975; lowest measured, 146.93 ft below land-surface datum, Oct. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	127.19	APR 17	127.75

GROUND-WATER LEVELS

JACKSON COUNTY--Continued

302141088313101. Local number, Q424.

LOCATION.--Lat 30°21'41", long 88°31'31", in sec 30, T.8 S., R.5 W., St. Stephens Meridian, Jackson County,

Hydrologic Unit 03170009, 1.5 mi east of center of Pascagoula at Chico and Scovel Streets.

Owner: City of Pascagoula.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 182 ft.

DATUM.--Land-surface datum is 12 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.90 ft below land-surface datum, Apr. 17, 1990;
lowest measured 25.0 ft below land-surface datum, Sept. 2, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 4	18.31	APR 17	17.90

JEFFERSON COUNTY

314245091034601. Local number, H001.

LOCATION.--Lat 31°42'45", long 91°03'46", in SW¼NW¼ sec. 45, T.9 N., R.1 E., Washington Meridian, Jefferson County,

Hydrologic Unit 08060204, 0.1 mi west of courthouse in Fayette at waterworks.

Owner: Town of Fayette.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in., depth 262 ft.

DATUM.--Land-surface datum is 280 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent in side of pump base, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1961, November 1980, April 1984 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 134.10 ft below land-surface datum, Feb. 17, 1961;
lowest measured 161.89 ft below land-surface datum, Mar. 19, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	153.88	MAY 1	159.19

JONES COUNTY

314716089054801. Local number, C111.

LOCATION.--Lat 31°47'16", long 89°05'48", in NE¼SE¼ sec.33, T.10 N., R.11 W., St. Stephens Meridian, Jones County,

Hydrologic Unit 03170005, 6.5 mi north of center of Laurel at Sharon Community.

Owner: Sharon Water Association.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6-4 in, depth 248 ft.

DATUM.--Land-surface datum is 305 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 1/2-in hole in 6-in well seal, 2.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--February 1972, December 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 110 ft below land-surface datum, Feb. 22, 1972,
lowest measured, 158.15 ft below land-surface datum, Sept. 15, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
APR 5	129.91

314143089083901. Local number, G055.

LOCATION.--Lat 31°41'43", long 89°08'39", in NW¼NW¼ sec.6, T.8 N., R.11 W., St. Stephens Meridian, Jones County,

Hydrologic Unit 03170005, 1 mi west of the center of Laurel at 6th Street and 14th Avenue.

Owner: City of Laurel.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 24-12 in, depth 405 ft, cased to 345 ft.

DATUM.--Land-surface datum is 279.2 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.00 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--March 1964, January 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 126 ft below land-surface datum, March 1964, lowest measured, 208.60 ft below land-surface datum, Apr. 6, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
APR 5	182.53

LAFAYETTE COUNTY

343005089301301. Local number, B001.

LOCATION.--Lat 34°30'05", long 89°30'13", in NW4SE4 sec.3, T.7 S., R.3 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030201, 0.2 mi east of State Highway 7 at Abbeville.

Owner: Town of Abbeville.

AQUIFER.--Sand of lower part of Wilcox Group of Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 520 ft.

DATUM.--Land-surface datum is 420 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Water level affected by pumping.

PERIOD OF RECORD.--February 1963, September 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 155 ft below land-surface datum, February 1963, lowest measured, 166.44 ft below land-surface datum, Mar. 28, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
------	----------------

MAR 28	166.44
--------	--------

342130089313001. Local number, F021.

LOCATION.--Lat 34°21'30", long 89°31'30", in SW4NW4 sec.28, T.8 S., R.3 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030203, 1.5 mi southwest of center of Oxford at Chambers Manufacturing Company south of State Highway 6 on Old Taylor Road.

Owner: City of Oxford.

AQUIFER.--Sand of Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth reported 250 ft.

DATUM.--Land-surface datum is 470 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete base, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.80 ft below land-surface datum, Jan. 6, 1976, lowest measured, 108.10 ft below land-surface datum, Aug. 31, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
------	----------------

MAR 28	104.45
--------	--------

342104089320301. Local number, F112.

LOCATION.--Lat 34°21'04", long 89°32'03", in SW4SE4 sec.29, T.8 S., R.3 W., Chickasaw Meridian, Lafayette County, Hydrologic Unit 08030203, mi south of State Highway 6 on Old Taylor Road.

Owner: City of Oxford.

AQUIFER.--Sand of Wilcox Group of early Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 439 ft.

DATUM.--Land-surface datum is 470 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.00 ft above land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 162.11 ft below land-surface datum, June 18, 1985, lowest measured, 226.15 ft below land-surface datum, June 30, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
------	----------------	------	----------------

OCT 25	164.09	MAR 28	163.70
--------	--------	--------	--------

LAMAR COUNTY

311938089211101. Local number, E214.

LOCATION.--Lat 31°19'38", long 89°21'11", in SW4NE4 sec.12, T.4 N., R.14 W., St. Stephens Meridian, Lamar County, Hydrologic Unit 03170004, behind Methodist Hospital off U. S. Highway 98 west.

Owner: City of Hattiesburg.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, depth 660 ft.

DATUM.--Land-surface datum is 218 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of top of 3-in casing at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.80 ft below land-surface datum, Apr. 7, 1987, lowest measured, 100.62 ft below land-surface datum, Oct. 3, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
------	----------------	------	----------------

OCT 3	100.62	APR 17	100.24
-------	--------	--------	--------

GROUND-WATER LEVELS

LAMAR COUNTY--Continued

310934089252101. Local number, L093.

LOCATION.--Lat 31°09'35", long 89°25'21", in SE4SE4 sec.5, T.2 N., R.14 W., St. Stephens Meridian, Lamar County, Hydrologic Unit 03180004, 1.5 mi northwest of center of Purvis on State Highway 581.

Owner: Progress Water Association.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 8-6 in, depth 264 ft.

DATUM.--Land-surface datum is 375 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 3/4-in air vent, 2.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--January 1976, November 1980, September 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 142 ft below land-surface datum, Jan. 27, 1976, lowest measured, 177.15 ft below land-surface datum, June 20, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	151.80	MAR 21	153.50

LAUDERDALE COUNTY

321902088445701. Local number, M003.

LOCATION.--Lat 32°19'02", long 88°44'57", in NW4SE4 sec.34, T.6 N., R.15 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, 4 mi southwest of center of Meridian on U.S. Highway 11 at fish hatchery.

Owner: U.S. Fish and Wildlife Service.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled hatchery-supply artesian well, diameter 10-8 in, depth 729 ft, cased to 688 ft.

DATUM.--Land-surface datum is 280 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of air vent in pump base, at land-surface datum.

REMARKS.--Water levels affected by pumping.

PERIOD OF RECORD.--January 1964 to October 1969, April 1971 to November 1974, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.37 ft above land-surface datum, Oct. 20, 1971, lowest measured, 14.80 ft below land-surface datum, Apr. 16, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAR 28	14.27

LAWRENCE COUNTY

313310090062001. Local number, G002.

LOCATION.--Lat 31°33'10", long 90°06'20", in NW4NW4 sec.28, T.7 N., R.11 E., Washington Meridian, Lawrence County, Hydrologic Unit 03180003, near center of Monticello, 400 ft northwest of courthouse on Washington Street.

Owner: Town of Monticello.

AQUIFER.--Sands of Catahoula Sandstone of early Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10-6 in, depth 895 ft.

DATUM.--Land-surface datum is 198 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 8-in casing, 2.80 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--November 1949, November 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 18 ft below land-surface datum November 1949, lowest measured, 183.20 ft below land-surface datum, Apr. 9, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 5	140.80	APR 9	183.20

LEAKE COUNTY

324348089314801. Local number, K015.

LOCATION.--Lat 32°43'48", long 89°31'48", in NE4NW4 sec. 12, T.10 N., R.7 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, near center of Carthage on Van Buren Street.

Owner: Town of Carthage.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 16-10 in, depth 640 ft.

DATUM.--Land-surface datum is 400 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 3/4-in vent pipe at pump motor base, 1.70 ft above land surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--November 1963, December 1979, October 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 35 ft below land-surface datum, Nov. 1963, lowest measured, 137.20 ft below land-surface datum, Apr. 12, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO 1990

NO MEASUREMENT MADE IN WY 90

LEAKE COUNTY--Continued

324427089295201. Local number, L001.

LOCATION.--Lat 32°44'20", long 89°29'50", in SW4SE4 sec.5, T.10 N., R.8 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, 2.5 mi east of center of Carthage on State Highway 16 at McAfee.

Owner: C. Daugherty.

AQUIFER.--Sand of middle part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4-2 in, depth reported 700 ft, screened 680-700 ft cased to 680 ft.

DATUM.--Land-surface datum is 350 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--June 1957 to October 1963, April 1965, November 1968 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.81 ft below land-surface datum, May 1, 1958, lowest measured, 55.24 ft below land-surface datum, May 8, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAY 8	55.24

LEE COUNTY

341555088463501. Local number, G043

LOCATION.--Lat 34°15'55", long 88°46'35", in SW4SE4 sec.28, T.9 S., R.5 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, 4 mi west of center of Tupelo on Chesterfield Road.

Owner: City of Tupelo.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-18 in, depth 686 ft.

DATUM.--Land surface datum is 320 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent in pump base, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--March 1969, October 1979, June 1981, November 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 153 ft below land-surface datum, Mar. 1, 1969, lowest measured, 249.88 ft below land-surface datum, Apr. 20, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	249.61	APR 11	247.69

341632088403001. Local number, H009.

LOCATION.--Lat 34°16'32", long 88°40'30", in SW4NE4 sec.28, T.9 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, about 2.5 mi east of Tupelo and north of U.S. Highway 78 on Saltillo road.

Owner: Pierce Grocery.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in, depth 335 ft.

DATUM.--Land-surface datum is 280 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--December 1947, January 1967 to February 1968, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35 ft below land-surface datum, Dec. 1, 1947, lowest measured, 173.90 ft below land-surface datum, Aug. 28, 1984.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	170.70	JUNE 17	163.40

341547088422901. Local number, H022.

LOCATION.--Lat 34°15'47", long 88°42'29", in NW4NW4 sec.31, T.9 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, 0.5 mi northwest of center of Tupelo at Leake Street and Park Avenue.

Owner: City of Tupelo.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12-8 in, depth 430 ft, cased to 370 ft.

DATUM.--Land-surface datum is 280 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent in north side of pump base, at land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--1954, October 1965 to October 1967, April 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 120 ft below land-surface datum, 1954, lowest measured, 247.09 ft below land-surface datum, Dec. 16, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
APR 24	226.30

GROUND-WATER LEVELS

LEE COUNTY--Continued

341948088423101. Local number, H033.

LOCATION.--Lat 34°19'48", long 88°42'31", in NW4SE4 sec.6, T.9 S., R.6 E., Chickasaw Meridian, Lee County,
Hydrologic Unit 03160102, 0.5 mi north of center of Tupelo off U.S. Highway 45 at Natchez Trace Headquarters.
Owner: Natchez Trace Parkway.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 8 in, depth 492 ft.

DATUM.--Land-surface datum is 315 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top 8 in seal, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--June 1956, October 1965, February 1967, December 1973, December 1986 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62 ft below land-surface datum, June 1965, lowest measured, 162.48 ft below land-surface, Apr. 12, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	161.50	APR 12	162.48

341536088421001. Local number, H042.

LOCATION.--Lat 34°15'36", long 88°42'10", in SE4NE4 sec.31, T.9 S., R.6 E., Chickasaw Meridian, Lee County,
Hydrologic Unit 03160102, 0.2 mi northeast of center of Tupelo at Spring Street and Sherwood at waterworks.
Owner: City of Tupelo.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 16-10 in, depth 562 ft cased to 510 ft.

DATUM.--Land-surface datum is 280 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent in east side of pump base, 3.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--August 1966, October 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 164.00 ft below land-surface datum, Aug. 16, 1966, lowest measured, 257.00 ft below land-surface datum, May 13, 1980.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	213.74	APR 10	206.18

341235088431601. Local number, K029.

LOCATION.--Lat 34°12'35", long 88°43'16", in SE4SE4 sec.13, T.10 S., R.5 E., Chickasaw Meridian, Lee County,
Hydrologic Unit 03160102, on U.S. Highway 45 at Barber Milk Company, 3.5 mi south of center of Tupelo.
Owner: Barber Milk Company.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in., depth reported 491 ft, cased to 451 ft.

DATUM.--Land-surface datum is 345 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 0.80 ft above land-surface datum.

REMARKS.--Water levels effected by nearby pumping.

PERIOD OF RECORD.--January 1967 to October 1967, September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 177.2 ft below land-surface datum, Mar. 22, 1967, lowest measured, 304.60 ft below land-surface datum, Aug. 25, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	282.28	APR 10	288.26

340522088371701. Local number, 0014.

LOCATION.--Lat 34°05'25", long 88°37'17", in SW4SE4 sec.25, T.11 S., R.6 E., Chickasaw Meridian, Lee County,
Hydrologic Unit 03160102, 0.1 mi east of center of Nettleton on Main Street at waterworks.
Owner: Town of Nettleton.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 612 ft, cased to 587 ft.

DATUM.--Land-surface datum is 260 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Hole in well base, 0.70 ft above land-surface datum.

PERIOD OF RECORD.--July 1940, September 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.40 ft below land-surface datum, July 15, 1940, lowest measured, 68.28 ft below land-surface datum, Apr. 9, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	66.70	APR 9	68.28

LEE COUNTY--Continued

340523088371701. Local number, 0015.

LOCATION.--Lat 34°05'23", long 88°37'17", in SW4SE4 sec.25, T.11 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, 0.1 mi east of center of Nettleton on Main Street at waterworks.

Owner: Town of Nettleton.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 8 in, depth 282 ft.

DATUM.--Land-surface datum is 266 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent in west side of pump base, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1956, March 1968, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20 ft below land-surface datum, September 1956, lowest measured, 94.95 ft below land-surface datum, Apr. 9, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	89.55	APR 9	94.95

340659088424601. Local number, 0022.

LOCATION.--Lat 34°06'59", long 88°42'46", in NE4NW4 sec. 19, T.11 S., R.6 E., Chickasaw Meridian, Lee County, Hydrologic Unit 03160102, at City Hall on corner of Broad and Boyd Streets, near center of Shannon.

Owner: Town of Shannon.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 485 ft. 1929 (from topographic map).

Measuring point: Vent pipe in pump motor base, 1.20 ft above land-surface datum.

PERIOD OF RECORD.--July 1957, November 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35 ft below land, surface datum, July 1957, lowest measured, 125.44 below land surface datum, Oct. 17, 1989.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	125.44	APR 9	124.23

LEFLORE COUNTY

333823090205101. Local number, D160.

LOCATION.--Lat 33°38'23", long 90°20'51", in NW4SW4 sec.31, T.21 N., R.1 W., Choctaw Meridian, Leflore County, Hydrologic Unit 08030207, 0.1 mi east of center of Schlater on south side of State Highway 442.

Owner: Mrs. D. B. Jameson.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in, depth 816 ft, cased to 816 ft.

DATUM.--Land-surface datum is 132.05 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1-in pipe, 2.30 ft above land-surface datum.

PERIOD OF RECORD.--September 1919, September 1938 to October 1968, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.0 ft above land-surface datum, 1919, lowest measured, 14.40 ft below land-surface datum, Mar. 30, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAR 29	12.84

333437090262601. Local number, F053.

LOCATION.--Lat 33°34'37", long 90°26'26", in NW4NW4 sec.29, T.20 N., R.2 W., Choctaw Meridian, Leflore County, Hydrologic Unit 08030207, 6 mi southwest of Schlater.

Owner: William Tackett.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in, depth 100 ft.

DATUM.--Land-surface datum is 120 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 1.60 ft above land-surface datum.

REMARKS.--Water levels affected by seasonal pumping. Recorder pulled March 1982.

PERIOD OF RECORD.--March 1978, May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18 ft below land-surface datum, March 24, 1978, lowest measured, 47.26 ft below land-surface datum, Oct. 5, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	41.14	MAR 29	38.48	APR. 26	39.78

GROUND-WATER LEVELS

LEFLORE COUNTY--Continued

333159090113401. Local number, L079.

LOCATION.--Lat 33°31'59", long 90°11'34", in SW4SE4 sec.4, T.19 N., R.1 E., Choctaw Meridian, Leflore County, Hydrologic Unit 08030205, at elevated tank on Parkes Street near center of Greenwood.

Owner: City of Greenwood.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth 800 ft.

DATUM.--Land-surface datum is 128 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: End of 2-in nipple off casing, 2.2 ft above land-surface datum.

PERIOD OF RECORD.--April 1960, April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.5 ft above land-surface datum, Apr. 28, 1960, lowest measured, 26.97 ft below land-surface datum, Apr. 16, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
------	----------------

MAR 29	26.25
--------	-------

333135090124402. Local number, L111.

LOCATION.--Lat 33°31'35", long 90°12'44", in SE4SE4 sec.8, T.19 N., R.1 E., Choctaw Meridian, Leflore County, Hydrologic Unit 08030205, at Henderson Generating Plant west of U.S. Highway 82, Greenwood.

Owner: City of Greenwood.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in, depth 95 ft.

DATUM.--Land-surface datum is 95 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Base of recorder shelter, 2.50 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.35 ft below land-surface datum, Mar. 30, 1990, lowest measured 35.96 ft below land-surface datum, Sept. 18, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
------	----------------	------	----------------

MAR 30	8.35	MAY 3	11.43
--------	------	-------	-------

333050090112501. Local number, L150.

LOCATION.--Lat 33°30'50", long 90°11'25", in NE4NE4 sec.16, T.19 N., R.1 E., Choctaw Meridian, Leflore County, Hydrologic Unit 08030205, at street department barn, Parkway Street and Johnson Street.

Owner: City of Greenwood.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 220 ft.

DATUM.--Land-surface datum is 126 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--January 1964, April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.40 ft below land-surface datum, Mar. 30, 1990, lowest measured, 50 ft below land-surface datum, Jan. 22, 1964.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
------	----------------

MAR 30	6.40
--------	------

333100090105801. Local number, L152.

LOCATION.--Lat 33°31'00", long 90°10'58", in NE4NW4 sec.15, T.19 N., R.1 E., Choctaw Meridian, Leflore County, Hydrologic Unit 08030206, 0.1 mi southwest of center of Greenwood at Cotton Street and Johnson Street.

Owner: City of Greenwood.

AQUIFER.--Sand of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 660 ft, reported screened 620-640 ft.

DATUM.--Land-surface datum is 133.98 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of 1/2-in bushing in top of well, 2.80 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1938, March 1940 to February 1950, April 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.9 ft above land-surface datum, Aug. 5, 1944, lowest measured, 35.06 ft below land-surface datum, Apr. 15, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
------	----------------

MAR 30	17.97
--------	-------

LINCOLN COUNTY

313731090370101. Local number, B037.

LOCATION.--Lat 31°37'31", long 90°37'01", in NE4NE4 sec.32, T.8 N., R.6 E., Washington Meridian, Lincoln County, Hydrologic Unit 03180005, 10 mi west of Brookhaven.

Owner: Ronald Durr.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in, depth 152 ft.

DATUM.--Land-surface datum is 434 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 0.70 ft above land-surface datum.

PERIOD OF RECORD.--April 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 64.50 ft below land-surface datum, May 24, 1980, lowest measured, 69.20 ft below land-surface datum, Mar. 12, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	68.50	MAY 20	67.70

313504090261401. Local number, H010.

LOCATION.--Lat 31°35'04", long 90°26'14", in SW4SE4 sec.7, T.7 N., R.8 E., Washington Meridian, Lincoln County, Hydrologic Unit 03180005, 0.5 mi north of center of Brookhaven at Second Street and Enterprise Street.

Owner: Brookhaven Creamery.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 165 ft, cased to 115 ft.

DATUM.--Land-surface datum is 485 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--1969, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.54 ft below land-surface datum, Oct. 11, 1978, lowest measured, 75.33 ft below land-surface datum, Apr. 14, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 9	63.89	APR 9	62.63

LOWNDES COUNTY

333845088275404. Local number, A014.

LOCATION.--Lat 33°38'45", long 88°27'54", in NE4SW4 sec.19, T.16 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, 11 mi north west of center of Columbus on west side of U.S. Highway 45 at Columbus Air Base.

Owner: Columbus Air Base.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 456 ft, screened 425-456 ft.

DATUM.--Land-surface datum is 188 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--July 1973, 1975, April 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.16 ft below land-surface datum, Jan. 28, 1975, lowest measured, 36.41 ft below land-surface datum, Oct. 18, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	36.41	APR 12	33.57

333306088255601. Local number, C029.

LOCATION.--Lat 33°33'06", long 88°25'56", in SW4SW4 sec.28, T.17 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, 5 mi north of center of Columbus on east side of U.S. Highway 45.

Owner: S. L. Thomason.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in depth 200 ft.

DATUM.--Land-surface datum is 205 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--March 1959 to April 1965, October 1975 to Apr. 26, 1984, April 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.00 ft below land-surface datum, July 29, 1959, lowest measured, 45.18 ft below land-surface datum, Oct. 29, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	44.00	APR 12	43.00

LOWNDES COUNTY--Continued

333703088244801. Local number, C030.

LOCATION.--Lat 33°37'03", long 88°24'48", in SE4NW4 sec.3, T.17 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, 10 mi north of center of Columbus on east side of U.S. Highway 45.
Owner: T. S. Hodges.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in, depth 380 ft.

DATUM.--Land-surface datum is 210 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--March 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.53 ft below land-surface datum, Mar. 13, 1959,
lowest measured, 22.05 ft below land-surface datum, Apr. 20, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
------	----------------

APR 12	21.72
--------	-------

332838088393401. Local number, E005.

LOCATION.--Lat 33°28'38", long 88°39'34", in NW4NE4 sec.31, T.19 N., R.16 E., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160104, 1.2 mi southwest of center of Mayhew and 0.1 mi southwest of intersection of U.S. Highways 45W and 82.
Owner: A. L. Echols.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 5 in, depth 365 ft, cased to 40 ft.

DATUM.--Land-surface datum is 226 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--November 1957 to April 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 42.45 ft below land-surface datum, Apr. 29, 1958,
lowest measured, 113.42 ft below land-surface datum, Apr. 13, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
------	----------------

APR 13	113.42
--------	--------

333052088234101. Local number, G185.

LOCATION.--Lat 33°30'52", long 88°23'41", in SW4 sec.11, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160105, 2.3 mi northeast of center of Columbus at city water treatment plant.
Owner: City of Columbus.

AQUIFER.--Sand of Coker Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 878 ft.

DATUM.--Land-surface datum is 178 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing at faucet, 2.50 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--March 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 18.30 ft above land-surface datum, Mar. 28, 1977,
lowest measured, 20.88 ft below land-surface datum, Jan. 23, 1990.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 3	20.79	MAR 7	17.78	MAY 24	13.91	AUG 17	13.25
JAN 23	20.88	APR 13	15.15	JUL 12	13.05		

332656088335801. Local number, K037.

LOCATION.--Lat 33°26'56", long 88°33'58", in SW4SW4 sec.6, T.18 N., R.17 E., Choctaw Meridian, Lowndes County, Hydrologic Unit 03160106, 1.5 mi east of Golden Triangle Regional Airport.
Owner: Golden Triangle Industrial Park.

AQUIFER.--Sand of Coker Formation of Tuscaloosa Group of Late Cretaceous Age.

WELL CHARACTERISTICS.--Drilled industrial artesian well, diameter 12 in, depth 1,312 ft.

DATUM.--Land-surface datum is 240 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring Point: Top of air-vent in pump base, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--June 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 74.50 ft below land-surface datum, Dec. 2, 1982,
lowest measured, 104.76 ft below land-surface datum, Apr. 20, 1989.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
------	----------------

APR 13	97.61
--------	-------

LOWNDES COUNTY--Continued

332718088333903. Local number, K039.

LOCATION.--Lat 33°27'18", long 88°33'39", in SW4SW4 sec.6, T.18 N., R.17 E., Choctaw Meridian, Lowndes County, Hydrologic Unit 03160106, 1.5 miles east of Golden Triangle Regional Airport.

Owner: Golden Triangle Industrial Park.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous Age.

WELL CHARACTERISTICS.--Drilled unused artesian observation well, diameter 12 in, depth 329 ft.

DATUM.--Land-surface datum is 240 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 12-in casing, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--December 1979, December 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 94.15 ft below land-surface datum, Apr. 15, 1987, lowest measured, 115.58 ft below land-surface datum, Apr. 26, 1984.

WATER LEVELS, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
APR 13	113.33

332517088235601. Local number, L022.

LOCATION.--Lat 33°25'17", long 88°23'56", in SE4SE4 sec.10, T.19 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160106, 5 mi southeast of center of Columbus near east bank of Tombigbee River.

Owner: Occidental Chemical Company (Formerly Hooker Chemical Company).

AQUIFER.--Sand of Coker Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 1,190 ft.

DATUM.--Land-surface datum is 178 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 1-in bushing (since Apr. 13, 1976), 1.80 ft above land-surface datum.

PERIOD OF RECORD.--May 1960 to October 1965, April 1967 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.9 ft above land-surface datum, Apr. 12, 1961, lowest measured, 44.71 ft below land-surface datum, Oct. 8, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	39.92	APR 13	17.51

332508088235409. Local number, L034.

LOCATION.--Lat 33°25'08", long 88°23'54", in NW4SE4 sec.10, T.19 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160105, south of center of Columbus near east bank of Tombigbee River.

Owner: Occidental Chemical Company (Formerly Hooker Chemical Company).

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 583 ft, reported screened 533-583 ft.

DATUM.--Land-surface datum is 180 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air breather in pump base, 2.50 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--July 1958, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.44 ft below land-surface datum, Apr. 13, 1990, lowest measured, 108.80 ft below land-surface datum, May 12, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
APR 13	35.44

332142088380101. Local number, N029.

LOCATION.--Lat 33°21'42", long 88°38'01", in SW4SW4 sec.4, T.17 N., R.16 E., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160106, 3 mi south of Artesia and east of U.S. Highway 45.

Owner: United Cement Company.

AQUIFER.--Sand of Tombigbee Member of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 570 ft, cased to 240 ft open hole.

DATUM.--Land-surface datum is 280 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 127.80 ft below land-surface datum, Oct. 5, 1978, lowest measured, 151.92 ft below land-surface datum, Apr. 13, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
APR 13	151.92

GROUND-WATER LEVELS

MADISON COUNTY

322413090101701. Local number, V013.

LOCATION.--Lat 32°24'13", long 90°10'17", in NE¼SE¼ 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 unused artesian well, diameter 8 in, depth 800 ft.

DATUM.--Land-surface datum is 380 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Middle of tee, 3.65 ft above land-surface datum.

PERIOD OF RECORD.--August 1955, November 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 163.43 ft below land-surface datum, Aug. 18, 1955, lowest measured, 218.33 ft below land-surface datum, Sept. 26, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	217.45	DEC 29	216.53	FEB 27	216.35	APR 30	215.46	JUN 25	215.80	AUG 30	217.41
NOV 21	216.63	JAN 23	216.48	MAR 20	216.00	MAY 23	215.56	JUL 27	216.41	SEP 26	218.33

322458090084601. Local number, V023.

LOCATION.--Lat 32°24'58", long 90°08'46", in NE¼NE¼ sec.36, T.7 N., R.1 E., Choctaw Meridian, Madison County, Hydrologic Unit 03180002, 0.5 mi west of intersection of U. S. Highway 51 and Holmes Street on Midway Street.
 Owner: Town of Ridgeland.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 574 ft.

DATUM.--Land-surface datum is 330 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 4-in hole in plate at top of 8-in casing, 1.25 ft above land-surface datum.

PERIOD OF RECORD.--August 1965, February 1986 to June 1990 (destroyed).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 150 ft below land-surface datum, Aug. 26, 1965, lowest measured, 202.86 ft below land-surface datum, Dec. 29, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 21	202.43	JAN 23	202.40	MAR 20	200.05	MAY 23	199.59	---	---	---	---
DEC 29	202.86	FEB 27	201.12	APR 30	199.06	JUN 25	200.94	---	---	---	---

322627090062401. Local number, W005.

LOCATION.--Lat 32°26'27", long 90°06'24", in NE¼NE¼ 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 National Geodetic Vertical Datum 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.

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, 184.16 ft below land-surface datum, Sept. 26, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 30	182.80	DEC 29	178.70	FEB 27	178.08	APR 30	174.25	JUN 25	175.94	AUG 30	182.35
NOV 21	179.28	JAN 23	178.32	MAR 20	176.98	MAY 23	174.38	JUL 27	178.46	SEP 26	184.16

322702090082301. Local number, W074.

LOCATION.--Lat 32°27'02", long 90°08'23", in SW¼NW¼ sec.18, T.7 N., R.2 E., Choctaw Meridian, Madison County, Hydrologic Unit 03180002, 0.75 mi southwest of center of Madison.
 Owner: Town 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 National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Vent pipe at pump base, 1.10 ft above land-surface datum.

PERIOD OF RECORD.--November 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 290.42 ft below land-surface datum, Dec. 22, 1987, lowest measured, 311.28 May 16, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
---	---	DEC 29	295.07	FEB 27	295.34	APR 30	291.15	JUN 25	294.10	AUG. 30	303.00
NOV 21	295.88	JAN 23	294.50	---	---	MAY 23	295.57	JUL 27	298.60	SEPT 26	300.16

MARSHALL COUNTY

345220089462301. Local number, D005.

LOCATION.--Lat 34°52'20", long 89°41'16", in NW4NW4 sec. 36, T.2 S., R.5 W., Chickasaw Meridian, Marshall County, Hydrologic Unit 08030204, near intersection of Old U.S. Highway 78 and State Highway 309 at Byhalia.

Owner: Town of Byhalia.

AQUIFER.--Sand of Ripley Formation of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in, depth 1620 ft.

DATUM.--Land-surface datum is 360 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 3/4-in vent pipe at pump motor base, 2.74 ft above land-surface datum.

PERIOD OF RECORD.--November 1968, October 1978, March 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13 ft above land-surface datum, Nov. 1968, lowest measured, 44.14 ft below land-surface datum, Mar. 28, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
------	----------------

MAR 28	44.14
--------	-------

344618089272801. Local number, P072.

LOCATION.--Lat 34°46'18", long 89°27'24", in NW4NW4 sec.6, T.4 S., R.2 W., Chickasaw Meridian, Marshall County, Hydrologic Unit 08030204, at Holly Springs on West Boundary Street.

Owner: Town of Holly Springs.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 718 ft.

DATUM.--Land-surface datum is 510 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 127.42 ft below land-surface datum, Mar. 28, 1984, lowest measured, 129.7 ft below land-surface datum, Nov. 30, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
------	----------------

MAR 28	128.36
--------	--------

MONROE COUNTY

335917088304401. Local number, C003.

LOCATION.--Lat 33°59'17", long 88°30'44", in NE4SE4 sec.26, T.12 S., R.19 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160101, 0.3 mi northwest of center of Amory at 108th Street and 5th Avenue at waterworks.

Owner: Town of Amory.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth reported 360 ft.

DATUM.--Land-surface datum is 240 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of pipe on well head, 2.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--October 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.84 ft below land-surface datum, Mar. 10, 1983, lowest measured, 31.97 ft below land-surface datum, Apr. 8, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
------	----------------	------	----------------

OCT 17	25.11	APR 12	24.25
--------	-------	--------	-------

334836088390201. Local number, 0003.

LOCATION.--Lat 33°48'36", long 88°39'02", in NE4NE4 sec.3, T.15 S., R.6 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03170101, 2 mi northeast of center of Prairie.

Owner: John Judsen.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 451 ft.

DATUM.--Land-surface datum is 315 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of plate on well head, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--1942, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 173.15 ft below land-surface datum, APR. 20, 1989, lowest measured, 193.74 ft below land-surface datum, Oct. 16, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
------	----------------	------	----------------

OCT 18	173.78	APR 12	182.30
--------	--------	--------	--------

GROUND-WATER LEVELS

MONROE COUNTY--Continued

334359088391601. Local number, 0016.

LOCATION.--Lat 33°43'59", long 88°39'16", in SW4NE4 sec.34, T.15 S., R.6 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160104, at Muldon on State Highway 25.

Owner: Muldon Grain Elevator Company (Formerly Mobile and Ohio Railroad).

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 620 ft.

DATUM.--Land-surface datum is 300 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.7 ft above land-surface datum.

PERIOD OF RECORD.--1901, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 152.1 ft below land-surface datum, May 4, 1977, lowest measured, 164.91 ft below land-surface datum, Apr. 24, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	157.86	APR 12	162.09

334836088333301. Local number, P022.

LOCATION.--Lat 33°48'36", long 88°33'33", in NW4NW4 sec.3, T.15 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, 1 mi southwest of center of Aberdeen on State Highway 25.

Owner: Vista Chemical Corporation (Formerly Monroe Manufacturing Company).

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 216 ft.

DATUM.--Land-surface datum is 218 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 2.60 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--October 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.87 ft below land-surface datum, Oct. 16, 1962, lowest measured, 112.30 ft below land-surface datum, Apr. 8, 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	98.95	APR 12	102.05

334147088261501. Local number, Q018.

LOCATION.--Lat 33°41'47", long 88°26'15", in SE4SE4 sec.5, T.16 S., R.18 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160103, 3 mi south of center of Hamilton on east side of U.S. Highway 45E.

Owner: T. G. Owen.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 390 ft.

DATUM.--Land-surface datum is 216 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 1/2-in plug in top of casing, 1.20 ft above land-surface datum.

PERIOD OF RECORD.--May 1964, July 1973, May 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 26 ft below land-surface datum, May 1964, lowest measured, 79.20 ft below land-surface datum, Apr. 12, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	72.40	APR 12	79.20

MONTGOMERY COUNTY

332916089432002. Local number, F002.

LOCATION.--Lat 33°29'16", long 89°43'20", in NW4NE4 sec.25, T.19 N., R.5 E., Choctaw Meridian, Montgomery County, Hydrologic Unit 08060201, 0.5 mi northeast of center of Winona at waterworks.

Owner: Town of Winona.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 308 ft, screened 248-308 ft.

DATUM.--Land-surface datum is 373.14 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.70 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--September 1939, February 1958 to June 1972, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 94.70 ft below land-surface datum, Apr. 19, 1959, lowest measured, 131.85 ft below land-surface datum, Mar. 28, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAR 28	131.85

NEWTON COUNTY

322722089162002. Local number, E023.

LOCATION.--Lat 32°27'22", long 89°16'20", in NW4NW4 sec.15, T.7 N., R.10 E., Choctaw Meridian, Newton County, Hydrologic Unit 03180001, 0.8 mi east of Post Office at Conehatta.

Owner: Conehatta Indian School.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled institutional artesian well, diameter 8 in, depth 639 ft.

DATUM.--Land-surface datum is 525 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete base, at land-surface datum.

PERIOD OF RECORD.--December 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 221.80 ft below land-surface datum, Dec. 4, 1979, lowest measured, 256.22 ft below land-surface datum, May. 8, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAY 8	256.22

NOXUBEE COUNTY

330645088332801. Local number, H115.

LOCATION.--Lat 33°06'50", long 88°34'10", in NW4NW4 sec.33, T.15 N., R.17 E., Choctaw Meridian, Noxubee County, Hydrologic Unit 03160108, 1 mi northwest of center of Macon on Pearl Street at railroad.

Owner: Town of Macon.

AQUIFER.--Sand and gravel of Coker Formation of the Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused well, diameter 10 in, depth 1,807 ft, cased to 1,767 ft.

DATUM.--Land-surface datum is 185 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 1/4-in gate valve on discharge pipe, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--February 1955 to October 1956, October 1958 to April 1963, April 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.2 ft above land-surface datum, Feb. 3, 1955, lowest measured, 18.81 ft below land-surface datum, Oct. 19, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	18.81	APR 13	17.92

325927088442701. Local number, Q018.

LOCATION.--Lat 32°59'27", long 88°44'27", in NW4SW4 sec.11, T.13 N., R.15 E., Choctaw Meridian, Noxubee County, Hydrologic Unit 03160108, 10.6 mi west of Shuqualak.

Owner: Shuqualak Butler Water Association.

AQUIFER.--Sand and gravel of Coker Formation of the Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 2,670 ft.

DATUM.--Land-surface datum is 485 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 10-in casing, at ground level.

PERIOD OF RECORD.--January 1985, April 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 310 ft below land-surface datum, Jan. 29, 1985, lowest measured, 317.08 ft below land-surface datum, Oct. 19, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	317.08	APR 13	315.19

OKTIBBEHA COUNTY

332710088471701. Local number, G102.

LOCATION.--Lat 33°27'10", long 88°47'17", in NE4SW4 sec.1, T.18 N., R.14 E., Choctaw Meridian, Oktibbeha County, Hydrologic Unit 03160104, 0.2 mi east of center of State College at Walker Engineering Building.

Owner: Mississippi State University.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 1,008 ft, cased to 968 ft.

DATUM.--Land-surface datum is 380.95 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.33 ft above land-surface datum.

PERIOD OF RECORD.--June 1940 to July 1948, January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 176.14 ft below land-surface datum, Apr. 3, 1941, lowest measured, 236.90 ft below land-surface datum, Apr. 13, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
APR 13	236.90

GROUND-WATER LEVELS

PERRY COUNTY

311056088551201. Local number, J015.

LOCATION.--Lat 31°10'56", long 88°55'12", in SE4NW4 sec.32, T.3 N., R.9 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, Beaumont Landing on State Highway 15 north of Beaumont, south end of bridge, downstream side at park and landing.

Owner: Pat Harrison Waterway.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 2 in, depth 576 ft.

DATUM.--Land-surface datum is 90 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring Point: End 2-in pipe, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--April 1983 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 37.0 ft above land-surface datum, May 9, 1984, lowest measured, 24.8 ft above land-surface datum, Apr. 22, 1983.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
------	----------------

APR 17	-33.3
--------	-------

310956088552101. Local number, M011.

LOCATION.--Lat 31°09'56", long 88°55'21", in SW4SW4 sec.5, T.2 N., R.9 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, near center of Beaumont on Third Street.

Owner: Town of Beaumont.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply (standby) artesian well, diameter 11 in, depth 666 ft, reported screened 626-666 ft.

DATUM.--Land-surface datum is 95 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Faucet near pump base, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--August 1965, January 1976, June 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35 ft above land-surface datum, Aug. 1, 1965, lowest measured, 18.5 ft above land-surface datum, Apr. 5, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
------	----------------

APR 17	-19.4
--------	-------

PIKE COUNTY

310833090272801. Local Number, G002.

LOCATION.--Lat 31°08'33", long 90°27'28", in NW4NW4 sec.13, T.2 N., R.7 E., Washington Meridian, Pike County, Hydrologic Unit 08070205, 0.1 mi west of center of Magnolia and west of City Hall.

Owner: Town of Magnolia.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 432 ft.

DATUM.--Land-surface datum is 300 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Hole in east side of pump base, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--1967, February 1970, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.00 ft below land-surface datum, 1967, lowest measured, 18.45 ft below land-surface datum, Feb. 17, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
------	----------------

APR 25	12.10
--------	-------

PRENTISS COUNTY

344239088323901. Local number, B053.

LOCATION.--Lat 34°42'39", long 88°32'39", in NE4NE4 sec.27, T.4 S., R.7 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 08010207, 1.25 mi east of U.S. Highway 45 at Thrasher.

Owner: Town of Thrasher.

AQUIFER.--Sand and gravel of Gordo Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 485 ft.

DATUM.--Land-surface datum is 500 ft above land-surface datum of 1929. Measuring point: Top of well seal, 0.88 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--August 1973, November 1982, March 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 162 ft below land-surface datum, Aug. 2, 1973, lowest measured, 197.02 ft below land-surface datum, Oct. 17, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
------	----------------	------	----------------

OCT 17	197.02	APR 11	187.11
--------	--------	--------	--------

PRINTISS COUNTY--Continued

343921088334101. Local number, F002.

LOCATION.--Lat 34°39'21", long 88°33'41", in SE4SE4 sec.9, T.5 S., R.7 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 08010207, 0.1 mi north of center of Booneville at Court Street and Main Street.
Owner: Town of Booneville.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth 491 ft, cased to 406 ft.

DATUM.--Land-surface datum is 525 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent on south side of pump base, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--July 1950, May 1972, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 183 ft below land-surface datum, July 1950, lowest measured, 243.67 ft below land-surface datum, Apr. 1, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	231.75	APR 11	232.60

343142088384401. Local number, J084.

LOCATION.--Lat 34°31'42", long 88°38'44", in SE4NE4 sec.26, T.6 S., R.6 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160101, 1.7 mi north of center of Baldwyn on west side of U.S. Highway 45.
Owner: Baldwyn Implement Company.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in, depth 440 ft, cased to 158 ft.

DATUM.--Land-surface datum is 345 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of air vent in pump base, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--July 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 29.50 ft below land-surface datum, July 25, 1973, lowest measured, 63.90 ft below land-surface datum, Mar. 28, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
APR 11	61.82

QUITMAN COUNTY

341538090161501. Local number, E034.

LOCATION.--Lat 34°15'38", long 90°16'15", in SW4NE4 sec.35, T.28 N., R.1 W., Choctaw Meridian, Quitman County, Hydrologic Unit 08030204, 0.3 mi east of intersection of State Highways 3 and 6 on Coldwater Street.
Owner: Town of Marks.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled public-supply (standby) well, diameter 12 in, depth 1500 ft.

DATUM.--Land-surface datum is 166 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Vent pipe on north side of pump, 2.90 ft above land-surface datum.

PERIOD OF RECORD.--October 1970, March 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24 ft above land-surface datum, Oct. 1970, lowest measured, 1.20 ft above land-surface datum, Mar. 28, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAR 28	-1.20

341516090161601. Local number, E050.

LOCATION.--Lat 34°15'16", long 90°16'16", in NE4SW4 sec.35, T.28 N., R.1 W., Choctaw Meridian, Quitman County, Hydrologic Unit 08030204, near center of Marks, approximately 1/4 mi from State Highway 3 on Ash Street.
Owner: Town of Marks.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in, depth 869 ft.

DATUM.--Land-surface datum is 166 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Inspection plug on east side of pump, 0.80 ft above land-surface datum.

PERIOD OF RECORD.--March 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.60 ft below land-surface datum, Mar. 28, 1990, lowest measured, 5.11 ft below land-surface datum, Mar. 23, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAR 28	0.60

GROUND-WATER LEVELS

RANKIN COUNTY

322249089582101. Local number, G043.

LOCATION.--Lat 32°22'49", long 89°58'21", in SW4NW4 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 National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Air vent at pump motor base, 1.70 ft above land-surface datum.

PERIOD OF RECORD.--November 1980, August 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 155 ft below land-surface datum, Nov. 9, 1980, lowest measured, 186.67 ft below land-surface datum, NOV. 21, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
--- --	-----	DEC 29	179.88	FEB 27	180.52	APR 30	179.42	JUN 25	180.04	AUG 30	184.76
NOV 21	186.67	JAN 23	179.40	--- --	-----	MAY 23	180.29	JUL 27	183.13	SEP 26	184.92

321846089475101. Local number, J110.

LOCATION.--Lat 32°18'46", long 89°47'51", in SW4SW4 sec.33, T.6 N., R.5 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, 0.2 mi east of center of Pelahatchie at Fire Station.

Owner: Town of Pelahatchie.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in, depth 563 ft, screened 503-563 ft.

DATUM.--Land-surface datum is 365 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Hole in cover plate, at land-surface datum.

PERIOD OF RECORD.--July 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 101.62 ft below land-surface datum, Apr. 9, 1956, lowest measured, 131.12 ft below land-surface datum, Nov. 2, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	132.02	NOV 2	132.12	APR 3	132.02

321413090093901. Local number, K035

LOCATION.--Lat 32°16'48", long 90°10'32", in NW4NW4 sec.14, T. 5 N., R. 1 E., Choctaw Meridian, Rankin County, Hydrologic Unit 03180002, 0.5 mi east of Pearl River on north side of US Highway 80 at Jackson.

Owner: Fred Harris (Old Billups Station).

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 600 ft.

DATUM.--Land-surface datum is 271 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 4 in casing, 1.40 ft above land-surface datum.

PERIOD OF RECORD.--September 1947, September 1989 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 108.0 ft below land-surface datum September 1949; lowest measured, 200.80 ft below land-surface datum, Aug. 30, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	197.73	--- --	-----	FEB 27	197.30	APR 30	197.14	JUN 26	199.16	AUG 30	200.80
NOV 21	197.36	JAN 23	196.50	MAR 20	197.22	MAY 23	198.03	JUL 27	199.85	SEP 26	200.47

SCOTT COUNTY

322148089283201. Local number, L001.

LOCATION.--Lat 32°21'48", long 89°28'32", in SE4NE4 sec.16, T.6 N., R.8 E., Choctaw Meridian, Scott County, Hydrologic Unit 03180001, 0.1 mi west of center of Forest at Wade Street and Walker Street.

Owner: Town of Forest.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 360 ft, cased to 280 ft.

DATUM.--Land-surface datum is 480 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--August 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 95.39 ft below land-surface datum, Apr. 11, 1984, lowest measured, 145.4 ft below land-surface datum, Apr. 28, 1967.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	96.17	APR 3	95.44

SCOTT COUNTY--Continued

322202089290502. Local number, L013.

LOCATION.--Lat 32°22'02", long 89°29'05", in SE4NE4 sec.16, T.6 N., R.8 E., Choctaw Meridian, Scott County,
Hydrologic Unit 03180001, 0.7 mi west of center of Forrest at George Street and Cleveland Street.
Owner: Town of Forest.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 721 ft.

DATUM.--Land-surface datum is 480 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.5 ft above land-surface datum.

PERIOD OF RECORD.--November 1964, November 1980 to October 1989 (Destroyed).

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 193 ft below land-surface datum, November 1964,
lowest measured, 227.09 ft below land-surface datum, Oct. 7, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
OCT 12	226.91

322147089305801. Local number, L039.

LOCATION.--Lat 32°21'47", long 89°30'58", in SW4NE4 sec.18, T.6 N., R.8 E., Choctaw Meridian, Scott County,
Hydrologic Unit 03180001, 2.2 mi west of Forest on U.S. Highway 80.

Owner: Manville Forest Products.

AQUIFER.--Meridian Sand Member of Tallahatchie Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10-6 in, depth 1,310 ft.

DATUM.--Land-surface datum is 475 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 3/4-in air vent, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--November 1973, November 1979, April 1982 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 184 ft below land-surface datum, Nov. 15, 1973,
lowest measured, 240.22 ft below land-surface datum, Oct. 12, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	240.22	APR 3	239.04

SHARKEY COUNTY

325839090501601. Local number, C043.

LOCATION.--Lat 32°58'39", long 90°50'16", in sec.17, T.13 N., R.6 W., Choctaw Meridian, Sharkey County,
Hydrologic Unit 08080209, 0.6 mi northwest of center of Anguilla on west side of Deer Creek.

Owner: M. C. Ewing.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in, depth 1,830 ft, cased to 1,790 ft.

DATUM.--Land-surface datum is 106 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of tee at well head, 2.00 ft above land-surface datum, or top of faucet at road,

1.00 ft above land-surface datum.

PERIOD OF RECORD.--October 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.0 ft above land-surface datum, July 23, 1973,
lowest measured, 59.0 ft above land-surface datum, Oct. 15, 1983

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAR 26	-76.2

324749090553101. Local number, G044.

LOCATION.--Lat 32°47'49", long 90°55'31", in NE4NW4 sec.16, T.11 N., R.7 W., Choctaw Meridian, Sharkey County,
Hydrologic Unit 08030209, 0.3 mi south of center of Cary on east side of U.S. Highway 61.

Owner: Cary High School.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 1,149 ft.

DATUM.--Land-surface datum is 102 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--February 1939, September 1960, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 23.9 ft above land-surface datum, Feb. 10, 1939,
lowest measured, 28.92 ft below land-surface datum, Mar. 26, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAR 26	28.92

GROUND-WATER LEVELS

SIMPSON COUNTY

315256089392401. Local number, L001.

LOCATION.--Lat 31°52'56", long 89°39'24", in SE4NW4 sec.35, T.1 N., R.6 E., Choctaw Meridian, Simpson County, Hydrologic Unit 03170004, 4 mi east of center of Magee off State Highway 28.

Owner: Okatoma Water Association.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 1,620 ft.

DATUM.--Land-surface datum is 530 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 6-in pipe, 3.5 ft above land-surface datum.

PERIOD OF RECORD.--January 1969, September 1971, July 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 302 ft below land-surface datum, Jan. 31, 1969, lowest measured, 348.23 ft below land-surface datum, Apr. 16, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 5	346.43	APR 16	348.23

315258089392201. Local number, L013.

LOCATION.--Lat 31°52'58" long 89°39'22", in SE4NW4 sec.35, T.1 N., R.6 E., Choctaw Meridian, Simpson County, Hydrologic Unit 03170004, 4 mi east of center of Magee off State Highway 28.

Owner: Okatoma Water Association.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled public-supply water-table well, diameter 18 in, depth 200 ft, reported screened 150 to 200 ft.

DATUM.--Land-surface datum is 515 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of breather, 2.50 ft above land-surface datum.

PERIOD OF RECORD.--May 1972, May 1979 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.75 ft below land-surface datum, Apr. 13, 1983, lowest measured, 119.48 ft below land-surface datum, Apr. 25, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
APR 16	103.77

SUNFLOWER COUNTY

334017090301801. Local number, H018.

LOCATION.--Lat 33°40'17", long 90°30'18", in SE4NE4 sec.21, T.21 N., R.3 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, 1.5 mi northeast of center of Doddsville on county road.

Owner: B. D. McCarty.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in, depth 1,370 ft.

DATUM.--Land-surface datum is 125 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of faucet at well, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--April 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.0 ft above land-surface datum, Apr. 14, 1971, lowest measured, 11.35 ft below land-surface datum, Oct. 27, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	11.35	MAR 29	10.60

332505090293001. Local number, R021.

LOCATION.--Lat 33°25'05", long 90°29'30", in NW4SW4 sec.22, T.18 N., R.3 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, 2.5 mi southeast of center of Moorehead on county road.

Owner: Edgar Hobbs.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3 in, depth 1,547 ft.

DATUM.--Land-surface datum is 110 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of faucet at well, 2.00 ft above land-surface datum.

PERIOD OF RECORD.--November 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.5 ft above land-surface datum, Feb. 10, 1970, lowest measured, 3.10 ft above land-surface datum, Oct. 27, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 27	-3.10	MAR 29	-3.50

TATE COUNTY

343723089592801. Local number, F022.

LOCATION.--Lat 34°37'23", long 89°59'28", in SE4SE4 sec.25, T.5 S., R.8 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, 1.2 mi southeast of center of Senatobia at stand tank on Browns Ferry Road.
Owner: Town of Senatobia.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 5 in, depth 1,085 ft, cased to 1,065 ft.

DATUM.--Land-surface datum is 340 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.30 ft above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 124.48 ft below land-surface datum, May 27, 1990, lowest measured, 158.07 ft below land-surface datum, Mar. 26, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	132.36	MAR 27	124.48

343811089580401. Local number, G037.

LOCATION.--Lat 34°38'11", long 89°58'04", in NW4SW4 sec.20, T.5 S., R.7 W., Chickasaw Meridian, Tate County, Hydrologic Unit 08030204, 1 mi north of center of Senatobia at Chromcraft Plant.
Owner: Town of Senatobia.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 1,180 ft, cased to 1,160 ft.

DATUM.--Land-surface datum is 250 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing 2.20 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.84 ft below land-surface datum, June 6, 1973, lowest measured, 108.71 ft below land-surface datum, Mar. 23, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	89.05	MAR 27	88.22

TIPPAH COUNTY

345658088534101. Local number, B008.

LOCATION.--Lat 34°56'58", long 88°53'41", in SE4 sec.32, T.1 S., R.4 E., Chickasaw Meridian, Tippah County, Hydrologic Unit 08010207, 0.2 mi north of center of Walnut at swimming pool and elevated tank.
Owner: Town of Walnut.

AQUIFER.--Sand of McNairy Sand Member of Ripley Formation of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 147 ft, cased to 137 ft.

DATUM.--Land-surface datum is 470 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete base, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--June 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.70 ft below land-surface datum, Feb. 24, 1975, lowest measured, 67.90 ft below land-surface datum, Nov. 30, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	64.13	APR 10	63.45

345710088535601. Local number, B027.

LOCATION.--Lat 34°57'10", long 88°53'56", in NE4SE4 sec.32, T.1 S., R.4 E., Chickasaw Meridian, Tippah County, Hydrologic Unit 08010207, 0.2 mi north of center of Walnut at Swimming pool and elevated tank.
Owner: Town of Walnut.

AQUIFER.--Coffee Sand of Selma Group of Late Craceous age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 10 in, depth 952 ft.

DATUM.--Land-surface datum is 500 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 1 in access pipe at concrete base, 1.50 ft above land-surface datum.

PERIOD OF RECORD.--July 1982, October 1988 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 157.0 ft below land-surface datum, Jul. 1, 1982, lowest measured, 172.70 ft below land-surface datum, Apr. 10, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	171.02	APR 10	172.70

GROUND-WATER LEVELS

TIPPAH COUNTY--Continued

344409088565401. Local number, J022.

LOCATION.--Lat 34°44'09", long 88°56'54", in NW4SW4 sec.13, T.4 S., R.3 E., Chickasaw Meridian, Tippah County, Hydrologic Unit 08030201, 0.3 mi north of center of Ripley, east side of U.S. Highway 15.
 Owner: Town of Ripley.

AQUIFER.--Coffee Sand of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 921 ft.

DATUM.--Land-surface datum is 490 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 12-in casing, 2.00 ft above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

PERIOD OF RECORD.--October 1970, October 1978, November 1982, May 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 199 ft below land-surface datum, Oct. 1, 1970, lowest measured, 242.87 ft below land-surface datum, Oct. 16, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	242.87	APR 10	242.81

TISHOMINGO COUNTY

345802088142701. Local number, B018.

LOCATION.--Lat 34°58'02", long 88°14'27", in SW4NE4 sec.28, T.1 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, 2.8 mi north of center of Cross Roads on west side of State Highway 25.
 Owner: Yellow Creek Port.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 378 ft, cased to 147 ft.

DATUM.--Land-surface datum is 560 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 0.50 ft above land-surface datum.

PERIOD OF RECORD.--October 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.31 ft below land-surface datum, Mar. 11, 1980, lowest measured, 106.55 ft below land-surface datum, Apr. 1, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
APR 10	104.55

345603088170601. Local number, B019.

LOCATION.--Lat 34°56'03", long 88°17'06", in NE4SW4 sec.6, T.2 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, 2 mi northwest of center of Cross Roads.
 Owner: Yellow Creek Port.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 266 ft, cased to 90 ft.

DATUM.--Land-surface datum is 467 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.32 ft below land-surface datum, Feb. 24, 1987, lowest measured, 15.0 ft below land-surface datum, Sept. 29, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATEE LEVEL
APR 10	11.68

343936088161901. Local number, J010.

LOCATION.--Lat 34°39'36", long 88°16'19", in NW4SE4 sec.8, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, 0.2 mi south of center of Paden at Murphy Street and Lennon Avenue.
 Owner: Irwin Schwabe Company.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in, depth 181 ft.

DATUM.--Land-surface datum is 420 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of 3/4-in nipple at well head (since Mar. 17, 1976), 2.80 ft, or top of cap 1.7 ft land-surface datum.

PERIOD OF RECORD.--July 1971 to February 1972, March 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.20 ft above land-surface datum, Mar. 13, 1974, lowest measured, 2.77 ft below land-surface datum, Nov. 18, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	-3.42	APR 10	-4.26

TUNICA COUNTY

344540090230801. Local number, D029.

LOCATION.--Lat 34°45'40", long 90°23'08", in SW4SE4 sec.5, T.4 S., R.11 W., Chickasaw Meridian, Tunica County, Hydrologic Unit 08030204, 5 mi north of center of Tunica.

Owner: Jack Day Perry.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in, depth 125 ft.

DATUM.--Land-surface datum is 188 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 1.40 ft above land-surface datum.

REMARKS.--Water level affected by seasonal pumping.

PERIOD OF RECORD.--July 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.66 ft below land-surface datum, Mar. 26, 1985, lowest measured, 16.59 ft below land-surface datum, Jan. 22, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

NO MEASUREMENT MADE IN FY 90.

UNION COUNTY

343200089045901. Local number, B006.

LOCATION.--Lat 34°32'00", long 89°04'59", in SE4NW4 sec.27, T.6 S., R.2 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, 5 mi northwest of New Albany on north side of U.S. Highway 78.

Owner: Futorian Furniture Corporation (Frame plant).

AQUIFER.--Sand of Ripley Formation of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled industrial (fire protection) artesian well, diameter 6 in, depth 500 ft.

DATUM.--Land-surface datum is 385 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing below pump base, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--1955, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 25 ft below land-surface datum, 1955, lowest measured, 72.20 ft below land-surface datum, Nov. 18, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
APR 10	68.87

343418088484901. Local number, E022.

LOCATION.--Lat 34°34'18", long 88°48'49", in NW4SE4 sec.7, T.6 S., R.5 W., Chickasaw Meridian, Union County, Hydrologic Unit 08010207, 6 mi of State Highway 30.

Owner: Keownville Water Association.

AQUIFER.--Coffee Sand of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 312 ft, cased to 696 ft.

DATUM.--Land-surface datum is 680 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Plug in top of casing, 1.00 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--July 1972, October 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 340 ft below land-surface datum, July 5, 1972, lowest measured, 451.40 ft below land-surface datum, May 16, 1979.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
APR 10	412.23

WASHINGTON COUNTY

332432091031501. Local number, D016.

LOCATION.--Lat 33°24'32", long 91°03'15", in irregular sec.4, T.18 N., R.8 W., Choctaw Meridian, Washington County, Hydrologic Unit 08030209, 0.2 mi northeast of center of Greenville at Alexander Street and Illinois Central Railroad.

Owner: Itzig Company.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 517 ft.

DATUM.--Land-surface datum is 125 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--November 1960, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.30 ft below land-surface datum, Mar. 27, 1984, lowest measured, 107.87 ft below land-surface datum, June 7, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAR 26	89.04

WASHINGTON COUNTY--Continued

332228091045402. Local number, D033.

LOCATION.--Lat 33°22'28", long 91°04'54", in irregular sec.10, T.18 N., R.9 W., Choctaw Meridian, Washington County,

Hydrologic Unit 08030209, 4 mi southwest of center of Greenville in industrial park on Theobald Street.

Owner: U.S. Geological Survey.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 1,994 ft, cased to 1,984 ft.

DATUM.--Land-surface datum is 125.07 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of valve on cap on well, 2.62 ft above land-surface datum.

PERIOD OF RECORD.--June 1969 to April 1972, June 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.8 ft above land-surface datum, Apr. 14, 1970, lowest measured, 25.6 ft above land-surface datum, Jan. 4, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAR 26	-25.7

332007090525401. Local number, H014.

LOCATION.--Lat 33°20'07", long 90°52'54", in NW4SW4 sec.12, T.17 N., R.7 W., Choctaw Meridian, Washington County, Hydrologic Unit 08030209, 5 mi south of center of Leland and east of Deer Creek.

Owner: Louis Munn.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in, depth 102 ft, cased to 72 ft.

DATUM.--Land-surface datum is 115 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing, 1.00 ft above land-surface datum.

PERIOD OF RECORD.--March 1956 to October 1963, January 1965 to October 1966, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.86 ft below land-surface datum, Oct. 14, 1958, lowest measured, 26.35 ft below land-surface datum, Aug. 20, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	25.20	MAR 26	19.52	APR 23	19.52

331808090532901. Local number, H101.

LOCATION.--Lat 33°18'08", long 90°53'29", in SW4SE4 sec.23, T.17 N., R.7 W., Choctaw Meridian, Washington County, Hydrologic Unit 08030209, 0.1 mi southwest of center of Wilmot.

Owner: J. A. Aldridge.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in, depth 1,903 ft, cased to 1,895 ft.

DATUM.--Land-surface datum is 120 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of tee, 0.80 ft above land-surface datum.

PERIOD OF RECORD.--February 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.5 ft above land-surface datum, Dec. 20, 1954, lowest measured, 4.55 ft above land-surface datum, Oct.23, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	4.55	MAR 26	5.3

331120090413001. Local number, M044.

LOCATION.--Lat 33°11'20", long 90°41'30", in NW4SW4 sec.35, T.16 N., R.5 W., Choctaw Meridian, Washington County, Hydrologic Unit 08030207, 11 mi east of center of Hollandale on State Highway 12 at Sunflower River.

Owner: Dave Jones.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in, depth reported 110 ft.

DATUM.--Land-surface datum is 105 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 1.20 ft above land-surface datum.

PERIOD OF RECORD.--May 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.28 ft below land-surface datum, Apr. 25, 1975, lowest measured, 31.98 ft below land-surface datum, June 7, 1988.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAR 26	28.83

WAYNE COUNTY

315011088413601. Local number, C058.

LOCATION.--Lat 31°50'11", long 88°41'36", in SE4NW4 sec.16, T.10 N., R.7 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, 12 mi north of intersection of U.S. Highway 84 and U.S. Highway 45 on west side of U.S. Highway 45.

Owner: Town of Waynesboro.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 16 in, depth 2,402 ft.

DATUM.--Land-surface datum is 252 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point:

Faucet in flow line between check valve and pump, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--September 1982, April 1987 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 54.0 ft above land-surface datum, Sept. 8, 1982, lowest measured, 40.2 ft above land-surface datum, Apr. 5, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	-40.6	APR 5	-40.2

314115088392301. Local number, N151.

LOCATION.--Lat 31°41'15", long 88°39'23", in NE4SE4 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

Owner: Town of Waynesboro.

AQUIFER.--Sand of Vicksburg Group of Oligocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in, depth 82 ft, cased to 32 ft.

DATUM.--Land-surface datum is 180 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: 1-in hole in breather pipe inside recorder shelter, 2.30 ft above land-surface datum.

PERIOD OF RECORD.--April 1973, February 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.52 ft below land-surface datum, Apr. 5, 1990, lowest measured, 35.73 ft below land-surface datum, Jan. 22, 1981.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 2	23.85	APR 5	19.52

WEBSTER COUNTY

332425089212001. Local number, M025.

LOCATION.--Lat 33°24'25", long 89°21'20", in SW4NW4 sec.28, T.19 N., R.9 E., Choctaw Meridian, Webster County, Hydrologic Unit 08060201, north side of U.S. Highway 82, 0.2 mi east of Tomnolem.

Owner: Town of Tomnolem.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in, depth 359 ft.

DATUM.--Land-surface datum is 350 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of concrete pump base, 1.80 ft above land-surface datum.

PERIOD OF RECORD.--December 1970, July 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.0 ft below land-surface datum, Dec. 30, 1970, lowest measured, 42.86 ft below land-surface datum, Oct. 26, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	38.24	APR 9	39.40

WILKINSON COUNTY

310415091042201. Local number, T101.

LOCATION.--Lat 31°04'15", long 91°04'22", in SE4NW4 sec.2, T.1 N., R.1 E., Washington Meridian, Wilkinson County, Hydrologic Unit 08070202, 1 mi southwest of center of Centreville on State Highway 33.

Owner: J. P. Kennedy (Old Camp Van Dorn).

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in, depth 222 ft, screened 162-222 ft cased to 162 ft.

DATUM.--Land-surface datum is 353.5 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.20 ft above land-surface datum.

PERIOD OF RECORD.--May 1942, March 1954 to October 1963, March 1968, March 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.0 ft below land-surface datum, May 5, 1942, lowest measured, 52.22 ft below land-surface datum, Dec. 10, 1954.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	49.68	MAY 1	48.84

WILKINSON COUNTY--Continued

310415091042202. Local number, T102.

LOCATION.--Lat 31°04'15", long 91°04'22", in SE4NW4 sec.2, T.1 N., R.1 E., Washington Meridian, Wilkinson County, Hydrologic Unit 08070202, 1 mi southwest of center of Centreville on State Highway 33.

Owner: J. P. Kennedy (Old Camp Van Dorn).

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 415 ft, screened 355-415 ft, cased to 355 ft.

DATUM.--Land-surface datum is 355.1 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.48 ft above land-surface datum.

PERIOD OF RECORD.--May 1942, March 1954 to October 1963, March 1968, March 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 128.4 ft below land-surface datum, May 5, 1942, lowest measured, 167.50 ft below land-surface datum, Oct. 5, 1987.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	164.44	MAY 1	165.10

310415091042203. Local number, T103.

LOCATION.--Lat 31°04'15", long 91°04'22", in SE4NW4 sec.2, T.1 N., R.1 E., Washington Meridian, Wilkinson County, Hydrologic Unit 08070202, 1 mi southwest of center of Centreville on State Highway 33.

Owner: J. P. Kennedy (Old Camp Van Dorn).

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in, depth 1,685 ft, screened 1,625-1,685 ft, cased to 1,625 ft.

DATUM.--Land-surface datum is 356.4 ft above National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.40 ft above land-surface datum.

PERIOD OF RECORD.--May 1942, February 1954 to October 1963, March 1968, March 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 238.1 ft below land-surface datum, May 13, 1942, lowest measured, 280.56 ft below land-surface datum, Oct. 10, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	280.56	MAY 1	280.20

YAZOO COUNTY

325905090192202. Local number, B102.

LOCATION.--Lat 32°59'05", long 90°19'22", in SE4SW4 sec.8, T.13 N., R.1 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030206, at Eden across street from post office.

Owner: Town of Eden.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in, depth 800 ft, cased to 770 ft.

DATUM.--Land-surface datum is 112.3 ft above National Geodetic Vertical Datum of 1929. Measuring point: Bottom edge of hole in north side of casing, 5.30 ft above land-surface datum.

PERIOD OF RECORD.--1919, February 1939, April 1943 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.9 ft above land-surface datum, Feb. 1, 1939, lowest measured, 27.34 ft below land-surface datum, Nov. 2, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 2	27.34	MAR 30	23.43

325905090192201. Local number, B103.

LOCATION.--Lat 32°59'05", long 90°19'22", in SE4SW4 sec.8, T.13 N., R.1 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030206, at Eden across from Baptist church.

Owner: Town of Eden.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 4-2.5 in, depth 1,735 ft, screened 1,659-1,669, 1,689-1,699, 1,705-1,715 ft.

DATUM.--Land-surface datum is 112 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of cap, 0.50 ft above land-surface datum.

REMARKS.--Water levels affected by leakage.

PERIOD OF RECORD.--January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 143.2 ft above land-surface datum, January 1954, lowest measured, 83.3 ft above land-surface datum, Mar. 30, 1990.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAR 30	-83.3

YAZOO COUNTY--Continued

325100090250701. Local number, G006.

LOCATION.--Lat 32°51'00", long 90°25'07", in SW¼NE¼ sec.32, T.12 N., R.2 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030206, 0.3 mi northwest of center of Yazoo City at power plant on Bridge Street.
Owner: Yazoo City.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16-12 in, depth 212 ft, cased to 152 ft.

DATUM.--Land-surface datum is 100 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of casing or top of recorder house floor, 5.60 ft above land-surface datum.

PERIOD OF RECORD.--September 1940, November 1975 to July 1984, March 1985 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.33 ft below land-surface datum, Mar. 30, 1990, lowest measured, 37.72 ft below land-surface datum, Oct. 22, 1982.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL
MAR 30	15.33

325016090251601. Local number, G126.

LOCATION.--Lat 32°50'16", long 90°25'16", in SW¼NE¼ sec.32, T.12 N., R.2 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030206, 0.3 mi northwest of center of Yazoo City at power plant on Bridge Street.
Owner: Yazoo City.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in, depth 801 ft, cased to 761 ft.

DATUM.--Land-surface datum is 96 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 4.0 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--January 1939, January 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.1 ft above land-surface datum, Jan. 17, 1939, lowest measured, 48.35 ft below land-surface datum, June 19, 1985.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 1	21.60	MAR 30	43.67

324936090423001. Local number, J128.

LOCATION.--Lat 32°49'36", long 90°42'30", in NE¼SE¼ sec.4, T.11 N., R.5 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030207, 0.2 mi north of center of Holly Bluff at Holly Bluff School.
Owner: Holly Bluff Consolidated School.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled school-supply artesian well, diameter 4 in, depth 980 ft, cased to 940 ft.

DATUM.--Land-surface datum is 103 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of tee, 3.00 ft above land-surface datum.

PERIOD OF RECORD.--August 1939, March 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.7 ft above land-surface datum, Aug. 17, 1939, lowest measured, 28.56 ft below land-surface datum, Oct. 23, 1989.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	28.56	MAR 29	27.13

324354090325501. Local number, Q013.

LOCATION.--Lat 32°43'54", long 90°32'55", in center NW¼ sec.7, T.10 N., R.3 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030206, 4 mi north of Satartia.
Owner: John Peaster.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 16 in, depth 93 ft.

DATUM.--Land-surface datum is 95 ft above National Geodetic Vertical Datum of 1929 (from topographic map).

Measuring point: Top of recorder house floor, 0.88 ft above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--August 1969, May 1981 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.51 ft below land-surface datum, June 24, 1983, lowest measured, 28.39 ft below land-surface datum, Sept. 25, 1986.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 23	19.49	MAR 29	15.14

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	Lower Catahoula Formation, Miocene
123WSBR	Waynesboro Sand Lentil (informal usage) of Byram Formation, Oligocene
123CCKS	Chickasawhay Limestone, Oligocene
123VKBG	Vicksburg Group, Oligocene
123MSPG	Mint Spring Marl member of Marianna Limestone, Oligocene
123FRHL	Forest Hill Sand, Oligocene
124MDBC	Moodys Branch Formation, Eocene
124CCKF	Cockfield Formation, Eocene
124SPRT	Sparta Sand, Eocene
124TLTL	Tallahatta Formation, Eocene
124MUWX	Meridian-Upper Wilcox aquifer, Eocene
124WLCXM	Middle Wilcox aquifer, Eocene
124WLCXL	Lower Wilcox aquifer, Eocene
211RPLY	Ripley Formation, Upper Cretaceous
211COFF	Coffee Sand, Upper Cretaceous
211EUTW	Eutaw Formation, Upper Cretaceous
211EUTWR	Eutaw Formation (restricted), Upper Cretaceous
211EUTWL	Lower Eutaw Formation, Upper Cretaceous
211MCSN	McShan Formation, Upper Cretaceous
211GORD	Gordo Formation, Upper Cretaceous
211COKR	Coker Formation, Upper Cretaceous
211MSSV	Massive Sand, Upper Cretaceous
300PLZC	Paleozoic Erathem, Paleozoic
331TCMB	Tuscumbia Limestone, Upper Mississippian
337FRPN	Fort Payne Chert, Lower Mississippian

QUALITY OF GROUND WATER

357

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

ATTALA COUNTY

330730089280101 - H023 TOWN OF ETHEL

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	
APR 20...	1040	124TLLT	26	8.00	210.00	460	10	
DATE		SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
APR 20...	80	6.0	18.0	28	2.1	<0.020	<0.3	

325850089334065 - SS01 HIGHWAY 35 SPRING

DATE	TIME	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	FLOW RATE, INSTAN-TANEOUS (G/M) (00059)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	
APR 25...	1710	31	4.00	420	10	22	
DATE		PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
APR 25...	5.8	15.5	5.6	2.2	<0.020	27	

BOLIVAR COUNTY

333524091043701 - R074 TOWN OF SCOTT

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	FLOW RATE, INSTAN-TANEOUS (G/M) (00059)
MAY 03...	1200	124CCKF	26	8.00	483.00	140	15	500
DATE		SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
MAY 03...	330	8.7	20.5	168	10	<0.020	<0.3	

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

CLARKE COUNTY

321019088490901 - A002 TOWN OF ENTERPRISE

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	FLOW RATE, INSTAN-TANEOUS (G/M) (00059)
APR 25...	1225	124MUWX	26	8.00	250.00	260	10	150
DATE		SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
APR 25...	440		8.8	20.0	242	1.9	<0.020	<0.3

DE SOTO COUNTY

345910089513001 - D022 MINERAL WELLS WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	
APR 23...	1640	124SPRT	26	8.00	272.00	360	15	
DATE		SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
APR 23...	80		6.7	17.0	25	2.0	0.020	2.0

345559089473501 - H073 FAIRHAVEN WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	
APR 23...	1720	124SPRT	26	8.00	254.00	400	5	
DATE		SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
APR 23...	70		6.7	17.0	19	6.7	0.230	6.8

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

FORREST COUNTY

310612089184901 - H031 BILLY DENSON

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	FLOW RATE, INSTAN-TANEOUS (G/M) (00059)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
JUN 06...	1730	122MOCN	30	8.00	805.00	200	30	7.0	260
DATE	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	
JUN 06...	7.9	25.5	<5	0.30	<0.10	54	0.50	105	
DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	
JUN 06...	10	3.9	0.20	26	153	0.090	30	<10	

GREENE COUNTY

310505088485801 - N044 TOWN OF MCLAIN

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)
APR 17...	1120	122MOCN	26	8.00	24.41	180.00	75.0	20
DATE	FLOW RATE, INSTAN-TANEOUS (G/M) (00059)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
APR 17...	175	340	8.8	20.5	163	14	<0.020	<0.3

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
GRENADA COUNTY

334643089480001 - H010 CITY OF GRENADA

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	FLOW RATE, INSTAN-TANEOUS (G/M) (00059)
APR 23...	1315	124MUWX	26	8.00	172.00	197	15	650

DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
APR 23...	320	7.0	19.0	161	10	<0.020	<0.3

HANCOCK COUNTY

302355089304401 - F065 REDFISH HATCHERY

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	FLOW RATE, INSTAN-TANEOUS (G/M) (00059)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)
MAY 10...	1300	122CTHL	1	4.00	3009	30.0	1440	300	5980	7.6

DATE	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM COBALT UNITS) (00080)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
MAY 10...	44.5	10	97	26	7.8	1200	96	53	9.1

DATE	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L AS) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
MAY 10...	214	<0.10	1800	0.50	22	3300	<0.020	60	100

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

HARRISON COUNTY

303048089071701 - G428 JOHNSON PROPERTY

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM	FLOW RATE, INSTAN-TANEOUS (G/M)	SPE-CIFIC CON-DUCT-ANCE	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	CALCIUM DIS-SOLVED (MG/L AS CA)	
						(FT. ABOVE NGVD)		(US/CM)					
						(72000)		(00059)					(00095)
JUN 06...	1930	122MOCN	1	4.00	1800	67.0	100	250	9.0	33.5	10	0.30	
DATE		MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
		(00925)	(00930)	(00935)	(90410)	(00945)	(00940)	(00950)	(00955)	(70300)	(00631)	(01046)	(01056)
JUN 06...	<0.10	66	0.50	132	14	2.0	0.20	21	184	<0.020	30	<10	

302656089054901 - L669 FORE CONCRETE COMPANY

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	FLOW RATE, INSTAN-TANEOUS (G/M)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)
			(72005)	(72006)	(72008)	(72000)	(72004)	(00059)	(00400)	(00010)
MAR 22...	1400	122PCGL	30	8.00	1660	15.0	60	100	9.2	31.5
DATE		COLOR (PLAT-INUM-COBALT UNITS)	HARD-NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS-SOLVED (MG/L AS CA)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG)	SODIUM, DIS-SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD-SORP-TION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	ALKA-LINITY LAB (MG/L AS CACO3)
		(00080)	(00900)	(00915)	(00925)	(00930)	(00932)	(00931)	(00935)	(90410)
MAR 22...	20	3	1.0	0.10	140	99	36	0.90	295	
DATE		SULFATE DIS-SOLVED (MG/L AS SO4)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	FLUO-RIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L AS N)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L AS N)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	IRON, DIS-SOLVED (UG/L AS FE)	MANGA-NESE, DIS-SOLVED (UG/L AS MN)
		(00945)	(00940)	(00950)	(00955)	(70300)	(70301)	(00631)	(01046)	(01056)
MAR 22...	7.7	2.0	0.50	20	352	350	<0.020	710	30	

QUALITY OF GROUND WATER
WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990
HARRISON COUNTY--Continued

302515088580101 - M408 WESTWICK UTILITY

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)
			(72005)	(72006)	(72008)	(72000)	(00095)	(00400)	(00010)
OCT 03...	1550	122PCGL	27	4.00	1037	10.0	950	8.3	29.0
DATE		COLOR (PLAT-INUM-COBALT UNITS)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)
OCT 03...	10	8	2.8	0.30	230	98	35	1.5	253
DATE		SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
OCT 03...		0.60	180	0.50	22	609	589	<10	20

302056089150501 - O300 REDFISH HATCHERY

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	FLOW RATE, INSTAN-TANEOUS (G/M)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)
			(72005)	(72006)	(72008)	(72000)	(72004)	(00059)	(00095)	(00400)
OCT 26...	1400	122MOCN	1	4.00	1695	5.0	30	280	465	9.0
DATE		TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	
OCT 26...	33.0	5	3	1.2	0.10	110	98	26	0.80	
DATE		ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
OCT 26...	171	5.7	43	0.30	20	287	284	40	10	

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

HARRISON COUNTY--Continued

302049089141701 - 0302 REDFISH HATCHERY

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	FLOW RATE, INSTAN-TANEOUS (G/M) (00059)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)
MAY 10...	1130	122CTHL	1	4.00	3530	12.0	1440	30	21400	7.1
DATE	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	
MAY 10...	39.0	<5	740	190	65	4600	93	73	33	
DATE	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L AS N) (70300)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	
MAY 10...	252	<0.10	7600	0.60	19	13800	<0.020	110	240	

302055089150501 - 0303 REDFISH HATCHERY

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	FLOW RATE, INSTAN-TANEOUS (G/M) (00059)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)
OCT 26...	1330	122CTHL	1	4.00	3017	5.0	1440	60	28000	7.5
DATE	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	
OCT 26...	40.0	5	1200	280	110	6900	93	88	33	
DATE	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L AS N) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L AS N) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	
OCT 26...	247	0.60	11000	0.70	19	19500	18500	1400	210	

HINDS COUNTY

322318090084601 - H178 BEST WESTERN MOTEL

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	FLOW RATE, INSTAN-TANEOUS (G/M) (00059)
APR 26...	1000	124CCKF	26	8.00	380.00	300	10	60

DATE	SPECIFIC CONDUCTANCE (US/CM) (00095)	PH (STANDARD UNITS) (00400)	TEMPERATURE WATER (DEG C) (00010)	ALKALINITY LAB (MG/L AS CACO3) (90410)	CHLORIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITROGEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI) (07000)
APR 26...	530	8.3	22.5	228	18	<0.020	<0.3

HUMPHREYS COUNTY

331907090315901 - A021 H B ROLAND

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	FLOW RATE, INSTAN-TANEOUS (G/M)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)
			(72005)	(72006)	(72008)	(72000)	(00059)	(00095)	(00400)
JUN 05...	1640	124TLLT	1	4.00	1310	110	45	700	8.1
DATE	COLOR (PLAT-INUM-COBALT UNITS)	HARD-NESS TOTAL (MG/L AS CAC03) (00080)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CAC03) (90410)
JUN 05...	240	2	0.50	0.20	180	99	54	1.3	380
DATE	SULFATE DIS-SOLVED (MG/L AS S04) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
JUN 05...	6.8	6.3	0.90	29	464	453	0.040	180	<10

QUALITY OF GROUND WATER

365

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

JACKSON COUNTY

303206088332201 - L127 MISSISSIPPI POWER COMPANY

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	FLOW RATE, INSTAN-TANEOUS (G/M) (00059)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
OCT 26...	1300	122PCGL	1	4.00	-6.70	682.00	16.0	1440	60	825
DATE	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
OCT 26...	9.0	25.5	50	3	1.0	0.20	210	99	50	0.60
DATE	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	
OCT 26...	430	1.0	14	1.0	15	512	501	40	10	

JASPER COUNTY

315335088590601 - Q002 TOWN OF HEIDELBERG

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	FLOW RATE, INSTAN-TANEOUS (G/M) (00059)
APR 25...	1430	124CCKF	26	8.00	303.00	303	10	200
DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)	
APR 25...	700	8.1	22.0	263	29	<0.020	<0.3	

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

JONES COUNTY

314232089065201 - C167 CITY OF LAUREL

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	FLOW RATE, INSTAN-TANEOUS (G/M)
			(72005)	(72006)	(72008)	(72000)	(72004)	(00059)
APR 16...	1630	122CTHL	26	8.00	322.00	240	15	500
DATE		SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	ALKA-LINITY LAB (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	TRITIUM TOTAL (PCI/L)
		(00095)	(00400)	(00010)	(90410)	(00940)	(00631)	(07000)
APR 16...	140	6.6	21.0	65	2.8	<0.020	<0.3	

LAUDERDALE COUNTY

322745088313801 - J125 TOOMSUBA WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	FLOW RATE, INSTAN-TANEOUS (G/M)
			(72005)	(72006)	(72008)	(72000)	(72004)	(00059)
APR 25...	1030	124WLCXL	26	8.00	240.00	270	5	320
DATE		SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	ALKA-LINITY LAB (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	TRITIUM TOTAL (PCI/L)
		(00095)	(00400)	(00010)	(90410)	(00940)	(00631)	(07000)
APR 25...	230	7.3	19.5	113	8.0	<0.020	<0.3	

LEAKE COUNTY

325156089400301 - A006 TOWN OF THOMASTOWN

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)
			(72005)	(72006)	(72019)	(72008)	(72000)	(72004)
APR 20...	0800	124SPRT	26	8.00	69.78	246.00	400	15
DATE		SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)	TEMPER-ATURE WATER (DEG C)	ALKA-LINITY LAB (MG/L AS CACO3)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N)	TRITIUM TOTAL (PCI/L)
		(00095)	(00400)	(00010)	(90410)	(00940)	(00631)	(07000)
APR 20...	80	6.4	18.0	14	7.4	<0.020	<0.3	

QUALITY OF GROUND WATER

367

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

LEE COUNTY

341546088365801 - H093 MOOREVILLE-RICHMOND WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF SURFACE DATUM (FT. ABOVE NGVD)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	FLOW RATE, INSTAN-TANEOUS (G/M)
			(72005)	(72006)	(72008)	(72000)	(72004)	(00059)
APR 24...	1300	211EUTW	26	8.00	360.00	340	5	200
DATE		SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
APR 24...		380	7.7	19.0	108	54	<0.020	0.6

340624088364901 - O115 CASON WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF SURFACE DATUM (FT. ABOVE NGVD)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	FLOW RATE, INSTAN-TANEOUS (G/M)
			(72005)	(72006)	(72008)	(72000)	(72004)	(00059)
APR 24...	1200	211MCSN	26	8.00	300.00	290	10	163
DATE		SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
APR 24...		330	7.8	18.0	158	3.0	<0.020	<0.3

MADISON COUNTY

323350089551001 - U028 MISSISSIPPI DEPARTMENT OF WILDLIFE

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF SURFACE DATUM (FT. ABOVE NGVD)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	
			(72005)	(72006)	(72019)	(72008)	(72000)	(72004)	
APR 26...	0815	124CCKF	26	8.00	76.93	211.00	325	15	
DATE		FLOW RATE, INSTAN-TANEOUS (G/M) (00059)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
APR 26...	151	140	6.4	21.0	36	4.7	<0.020	13	

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

MARSHALL COUNTY

344120089215901 - P065 LAKE CENTER WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	FLOW RATE, INSTAN-TANEOUS (G/M) (00059)
APR 24...	0800	124MUWX	26	8.00	113.00	500	10	25

DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
APR 24...	33	6.2	17.5	9.5	3.2	0.510	30

NEWTON COUNTY

322211089040601 - L091 LITTLE ROCK BAPTIST CHURCH

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	FLOW RATE, INSTAN-TANEOUS (G/M) (00059)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)
MAR 28...	1130	124SPRT	30	8.00	125.00	430	30	15	<50	5.4

DATE	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)
MAR 28...	19.5	<5	8	2.4	0.60	1.8	29	0.3	1.0	3.3

DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
MAR 28...	6.9	2.4	<0.10	21	32	39	<0.020	660	<10

QUALITY OF GROUND WATER

369

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

NEWTON COUNTY--Continued

322229089041901 - L092 TOWN OF HICKORY

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	FLOW RATE, INSTAN-TANEOUS (G/M)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)
			(72005)	(72006)	(72008)	(72000)	(72004)	(00059)	(00095)	(00400)
MAR 28...	1115	124WLCXL	1	8.00	1661	500	1440	125	200	7.0
DATE	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	HARD- NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO PERCENT	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY LAB (MG/L AS CACO3)	
	(00010)	(00080)	(00900)	(00915)	(00925)	(00930)	(00932)	(00931)	(00935)	(90410)
MAR 28...	29.5	<5	24	7.0	1.6	30	69	3	4.6	84
DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	
	(00945)	(00940)	(00950)	(00955)	(70300)	(70301)	(00631)	(01046)	(01056)	
MAR 28...	6.0	4.9	<0.10	16	109	128	<0.020	7900	80	

NOXUBEE COUNTY

330957088345401 - H055 BARGE FOREST PRODUCTS

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	FLOW RATE, INSTAN-TANEOUS (G/M)	SPE-CIFIC CON-DUCT-ANCE (US/CM)	PH (STAND-ARD UNITS)
			(72005)	(72006)	(72008)	(72000)	(72004)	(00059)	(00095)	(00400)
JUL 26...	0935	211MSSV	26	8.00	1650	225	5760	80	240	7.1
DATE	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	HARD- NESS TOTAL (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO PERCENT	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	ALKA- LITY LAB (MG/L AS CACO3)	
	(00010)	(00080)	(00900)	(00915)	(00925)	(00930)	(00932)	(00931)	(00935)	(90410)
JUL 26...	27.5	5	30	9.6	1.4	39	72	3	3.0	92
DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SIO2)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	
	(00945)	(00940)	(00950)	(00955)	(70300)	(70301)	(00631)	(01046)	(01056)	
JUL 26...	3.5	19	0.10	13	146	144	<0.020	130	30	

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

PRENTISS COUNTY

343201088204703 - M017 USCE 43C

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	FLOW RATE, INSTAN-TANEOUS (G/M) (00059)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
APR 11...	1004	211EUTW	1	8.00	24.40	90.00	445	45	10	20
DATE	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
APR 11...	5.7	16.5	10	4	1.3	0.30	1.0	29	0.2	0.60
DATE	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
APR 11...	4.6	0.20	1.4	<0.10	16	21	25	0.210	330	30

343201088204702 - M018 USCE 43B

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)
APR 11...	1106	211MCSN	1	8.00	41.20	120.00	460	26	42	5.7
DATE	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)
APR 11...	16.5	10	15	4.2	1.0	1.0	12	0.1	1.0	9.7
DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	
APR 11...	5.3	1.4	0.10	13	31	34	0.200	610	20	

QUALITY OF GROUND WATER

371

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

PRENTISS COUNTY--Continued

343152088213002 - M021 USCE 41A

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	FLOW RATE, INSTAN-TANEOUS (G/M) (00059)	PH (STAND-ARD UNITS) (00400)
APR 10...	0820	211GORD	1	8.00	157.02	226.00	480	30	10	6.7
AUG 16...	1305	211GORD	26	8.00	158.10	226.00	480	120	10	6.2
DATE	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM, PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB AS CACO3 (90410)
APR 10...	17.0	5	25	7.1	1.8	1.4	10	0.1	2.1	24
AUG 16...	17.5	200	25	7.0	1.8	1.5	11	0.1	2.1	23
DATE	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	
APR 10...	5.6	1.5	0.10	13	44	59	<0.020	12000	500	
AUG 16...	0.80	2.8	<0.10	13	55	55	0.020	12000	490	

343152088213003 - M022 USCE 41B

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	FLOW RATE, INSTAN-TANEOUS (G/M) (00059)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
APR 10...	0915	211MCSN	1	8.00	72.22	176.00	480	30	10	42
DATE	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
APR 10...	6.2	17.0	<5	16	4.7	1.0	1.1	12	0.1	1.6
DATE	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
APR 10...	15	3.9	1.0	0.10	21	38	44	<0.020	390	20

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

PRENTISS COUNTY--Continued

343201088194701 - M025 USCE 43D

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	FLOW RATE, INSTAN-TANEOUS (G/M) (00059)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
APR 11...	1230	211EUTWR	1	8.00	43.28	118.00	460	30	5.0	20
DATE	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)
APR 11...	6.0	18.0	<5	7	2.0	0.40	0.90	21	0.2	0.50
DATE	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)
APR 11...	6.9	0.10	0.90	0.10	15	21	25	0.230	50	10

RANKIN COUNTY

321936090063301 - F067 REFLECTION APARTMENTS

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)
APR 19...	1220	124CCKF	26	8.00	350.00	280	10
DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
APR 19...	500	8.6	22.5	211	17	<0.020	<0.3

QUALITY OF GROUND WATER

373

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

SCOTT COUNTY

323157089323101 - B023 C AND C WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH BELOW SURFACE (WATER LEVEL) (FEET)	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	FLOW RATE, INSTAN-TANEOUS (G/M)	SPE-CIFIC CON-DUCT-ANCE (US/CM)
			(72005)	(72006)	(72019)	(72008)	(72000)	(72004)	(00059)	(00095)
OCT 12...	1030	124WLCXL	1	8.00	78.17	2140	391	15	300	520
DATE	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	HARD-NESS TOTAL (MG/L AS CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L AS MG) (00925)	SODIUM, DIS-SOLVED (MG/L AS NA) (00930)	SODIUM PERCENT (00932)	SODIUM AD-SORP-TION RATIO (00931)	
OCT 12...	8.4	35.0	10	3	0.90	0.20	130	98	32	
DATE	POTAS-SIUM, DIS-SOLVED (MG/L AS K) (00935)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	SULFATE DIS-SOLVED (MG/L AS SO4) (00945)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	FLUO-RIDE, DIS-SOLVED (MG/L AS F) (00950)	SILICA, DIS-SOLVED (MG/L AS SIO2) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	IRON, DIS-SOLVED (UG/L AS FE) (01046)	MANGA-NESE, DIS-SOLVED (UG/L AS MN) (01056)	
OCT 12...	1.1	273	<0.10	16	0.30	16	326	160	10	

SMITH COUNTY

314746089342601 - P013 OKATOMA WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE	SAM-PLING CONDI-TION	DEPTH OF WELL, TOTAL (FEET)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN)	FLOW RATE, INSTAN-TANEOUS (G/M)
			(72005)	(72006)	(72008)	(72000)	(72004)	(00059)
APR 16...	1435	122CTHL	26	8.00	241.00	450	20	400
DATE	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)	
APR 16...	50	5.5	19.0	4.1	9.0	1.60	28	

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

WAYNE COUNTY

313927088391101 - N155 TOWN OF WAYNESBORO

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	FLOW RATE, INSTAN-TANEOUS (G/M) (00059)
MAY 03...	1400	123WSBR	1	8.00	138.00	160	30	350

DATE	TIME	GEO-LOGIC UNIT	PH (STAND-ARD UNITS) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
MAY 03...	320		7.6	20.0	159	2.5	0.030	<0.3

WILKINSON COUNTY

310514091035701 - 0023 CENTREVILLE WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	FLOW RATE, INSTAN-TANEOUS (G/M) (00059)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)
MAY 04...	1100	121CRNL	208.00	380	10	554	98

DATE	TIME	GEO-LOGIC UNIT	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (PCI/L) (07000)
MAY 04...			5.9	20.0	14	13	2.10	21

WINSTON COUNTY

330744088573801 - F001 BOND WATER ASSOCIATION

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	PUMP OR FLOW PERIOD PRIOR TO SAM-PLING (MIN) (72004)	FLOW RATE, INSTAN-TANEOUS (G/M) (00059)
APR 25...	0843	124WLCXL	26	8.00	206.00	520	10	90

DATE	TIME	GEO-LOGIC UNIT	PH (STAND-ARD UNITS) (00095)	TEMPER-ATURE WATER (DEG C) (00010)	ALKA-LINITY LAB (MG/L AS CACO3) (90410)	CHLO-RIDE, DIS-SOLVED (MG/L AS CL) (00940)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L AS N) (00631)	TRITIUM TOTAL (G/M) (07000)
APR 25...	32		6.3	19.0	6.7	3.6	0.590	<0.3

QUALITY OF GROUND WATER

375

WATER QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

YAZOO COUNTY

325914090221101 - A059 CHAT PHILLIPS

DATE	TIME	GEO-LOGIC UNIT	SAMPLE SOURCE (72005)	SAM-PLING CONDI-TION (72006)	DEPTH BELOW LAND SURFACE (WATER LEVEL) (FEET) (72019)	DEPTH OF WELL, TOTAL (FEET) (72008)	ELEV. OF LAND SURFACE DATUM (FT. ABOVE NGVD) (72000)	SPE-CIFIC CON-DUCT-ANCE (US/CM) (00095)	PH (STAND-ARD UNITS) (00400)	TEMPER-ATURE WATER (DEG C) (00010)
JUN 05...	1431	124MUWX	1	4.00	-94.70	1760	105	700	8.0	32.0
DATE		COLOR (PLAT-INUM-COBALT UNITS) (00080)	HARD-NESS TOTAL (MG/L) AS (CACO3) (00900)	CALCIUM DIS-SOLVED (MG/L) AS CA (00915)	MAGNE-SIUM, DIS-SOLVED (MG/L) AS MG (00925)	SODIUM, DIS-SOLVED (MG/L) AS NA (00930)	SODIUM AD-SORP-TION RATIO (00932)	POTAS-SIUM, DIS-SOLVED (MG/L) AS K (00935)	ALKA-LINITY LAB (MG/L) AS CACO3 (90410)	
JUN 05...	20	5	1.4	0.30	190	98	38	1.5	404	
DATE		SULFATE DIS-SOLVED (MG/L) AS SO4 (00945)	CHLO-RIDE, DIS-SOLVED (MG/L) AS CL (00940)	FLUO-RIDE, DIS-SOLVED (MG/L) AS F (00950)	SILICA, DIS-SOLVED (MG/L) AS SIO2 (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L) (70300)	SOLIDS, SUM OF CONSTI-TUENTS, DIS-SOLVED (MG/L) (70301)	NITRO-GEN, NO2+NO3 DIS-SOLVED (MG/L) AS N (00631)	IRON, DIS-SOLVED (UG/L) AS FE (01046)	MANGA-NESE, DIS-SOLVED (UG/L) AS MN (01056)
JUN 05...	0.30	5.3	0.70	16	461	458	<0.020	60	<10	

QUALITY OF PRECIPITATION

Precipitation-quality stations are operated to provide data to concerned agencies pertaining to variations in precipitation chemistry in selected areas of Mississippi. The types of data obtained may be used for precipitation quality assessments. Samples are collected weekly on Tuesday and the analytical data are the result of a composite precipitation analysis. An automatic wet-dry precipitation collector is used to collect 7-day accumulations.

PRECIPITATION QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

HANCOCK COUNTY

PRECIPITATION QUALITY STATION AT NSTL, MS

LOCATION.--Lat 30°21'55", long 89°37'45", in NW4SW4NW4 sec.8, T.8 S., R.16 W., St. Stephens Meridian, Hancock County, Hydrologic Unit 03180004, at the U.S. Geological Survey Hydrologic Instrumentation Facility located at Stennis Space Center.

PERIOD OF RECORD.--Water years 1983 to current year.

INSTRUMENTATION.--Automatic sensing wet-dry precipitation collector and universal recording rain gage since October 1983.

REMARKS.--Sample preparation and field measurements by local observer.

DATE	TOTAL PRECIP- ITATION FOR DEFINED PERIOD (IN) (00193)	SPEC. CONDUCT- TANCE LAB ATM DEP WET TOT (US/CM) (83156)	PH LAB ATM DEP WET T (UNITS) (83107)	DATE	TOTAL PRECIP- ITATION FOR DEFINED PERIOD (IN) (00193)	SPEC. CONDUCT- TANCE LAB ATM DEP WET TOT (US/CM) (83156)	PH LAB ATM DEP WET T (UNITS) (83107)
OCT 01-03	0.00	--	--	MAR 27- APR 03	1.47	11	4.80
03-10	0.80	13	4.70	03-10	0.01	--	--
10-17	1.72	13	4.70	10-17	3.03	16	4.60
17-24	0.00	--	--	17-24	0.40	23	4.50
24-31	0.00	--	--	APR 24- MAY 01	0.30	23	4.80
OCT 31- NOV 07	5.05	8.8	4.80	01-08	0.60	20	4.90
07-14	2.45	10	4.90	08-15	5.10	8.3	5.10
14-21	1.50	8.8	5.00	15-22	0.05	--	--
21-28	1.21	5.4	5.30	22-29	1.60	8.2	4.80
NOV 28- DEC 05	0.01	--	--	MAY 29- JUN 05	0.56	22	4.50
05-12	3.46	7.6	5.00	05-12	0.26	44	4.00
12-19	1.60	12	4.60	12-19	0.00	--	--
19-26	0.00	--	--	19-26	0.83	16	4.50
DEC 26- JAN 1990				JUN 26- JUL 03	0.02	--	--
-02	0.70	24	4.70	03-10	0.15	36	4.20
02-09	2.05	7.5	4.90	10-17	0.95	20	4.40
09-17	0.00	--	--	17-24	0.55	24	4.30
17-23	3.12	11	5.00	24-31	0.77	77	3.80
23-30	1.40	8.3	4.90	JUL 31- AUG 07	1.85	23	4.40
JAN 30- FEB 06	0.91	8.7	4.90	07-14	0.00	--	--
06-13	2.02	7.0	5.00	14-21	0.00	--	--
13-20	4.72	9.2	4.90	21-28	0.03	--	--
20-27	2.38	9.6	5.00	AUG 28- SEP 04	0.52	28	4.20
FEB 27- MAR 06	0.85	12	4.80	04-11	0.45	59	3.90
06-13	1.43	10	4.90	11-18	1.80	8.1	4.80
13-20	3.28	8.1	5.00	18-25	0.30	35	4.10
20-27	0.00	--	--	25-30	0.08	--	--

QUALITY OF PRECIPITATION

377

PRECIPITATION QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

HANCOCK COUNTY--Continued

PRECIPITATION QUALITY STATION AT NSTL, MS--Continued

DATE	CALCIUM	MAG-	SODIUM	POTAS-	SULFATE	CHLO-	NI-	NI-
	ATM DEP WET DIS (MG/L) (82932)	NESIUM ATM DEP WET DIS (MG/L) (83002)	ATM DEP WET DIS (MG/L) (83138)	SIUM ATM DEP WET DIS (MG/L) (83120)	ATM DEP WET DIS AS SO4 (MG/L) (83160)	RIDE ATM DEP WET DIS (MG/L) (82944)	TROGEN NITRATE ATM DEP WET DIS AS N (MG/L) (83068)	TROGEN AMMON. ATM DEP WET DIS AS N (MG/L) (83044)
OCT								
03-10	0.040	0.010	0.060	0.070	1.30	<0.05	0.11	0.110
OCT								
10-17	0.040	0.040	0.370	0.020	0.93	0.49	0.10	0.020
OCT 31-								
NOV 07	0.020	0.020	0.180	0.040	0.72	0.34	0.09	0.060
NOV								
07-14	0.090	0.050	0.430	0.040	0.86	0.59	0.10	0.090
NOV								
14-21	0.170	0.050	0.420	0.030	0.77	0.66	0.10	0.060
NOV								
21-28	0.120	0.040	0.290	0.050	0.45	0.33	0.07	0.040
DEC								
05-12	0.050	0.030	0.250	0.060	--	--	--	0.030
DEC								
12-19	0.040	0.020	0.150	0.010	1.10	0.27	0.10	0.040
DEC 26-								
JAN 02	0.270	0.170	1.50	0.170	2.30	2.40	0.27	0.250
JAN								
02-09	0.040	0.020	0.130	0.020	0.66	0.22	0.10	0.050
JAN								
17-23	0.050	0.080	0.740	0.050	0.69	1.20	0.08	0.060
JAN								
23-30	0.060	0.030	0.220	0.020	0.72	0.70	0.11	0.060
JAN 30-								
FEB 06	0.110	0.030	0.190	0.040	0.86	0.31	0.11	0.060
FEB								
06-13	0.080	0.020	0.190	0.030	0.64	0.30	0.09	0.050
FEB								
13-20	0.050	0.060	0.420	0.040	0.81	0.71	0.09	0.060
FEB								
20-27	0.040	0.080	0.680	0.040	0.59	1.90	0.06	0.030
FEB 27-								
MAR 06	0.030	0.040	0.390	0.020	0.60	0.66	0.13	0.030
MAR								
06-13	0.060	0.070	0.630	0.040	0.68	1.00	0.10	0.040
MAR								
13-20	0.110	0.040	0.240	0.060	0.79	0.40	0.10	0.080
MAR 27-								
APR 03	0.120	0.030	0.190	0.110	0.97	0.28	0.21	0.160
APR								
10-17	0.070	0.050	0.440	0.030	1.20	0.71	0.22	0.120
APR								
17-24	0.180	0.090	0.750	0.050	1.80	0.99	0.39	0.220
APR 24-								
MAY 01	0.170	0.210	1.90	0.100	1.20	3.00	0.25	0.120
MAY								
01-08	0.350	0.160	1.30	0.100	2.00	1.90	0.30	0.340
MAY								
08-15	0.070	0.030	0.260	0.060	0.83	0.41	0.10	0.160
MAY								
22-29	0.060	0.020	0.100	0.030	0.51	0.40	0.15	0.040
MAY 29-								
JUN 05	0.170	0.070	0.610	0.100	2.00	1.00	0.34	0.350
JUN								
05-12	0.150	0.040	0.300	0.060	3.00	0.46	0.57	0.110
JUN								
19-26	0.050	0.020	0.150	0.020	1.10	0.30	0.23	0.090
JUL								
03-10	0.340	0.110	0.740	--	2.00	1.00	0.69	0.120
JUL								
10-17	0.110	0.020	0.140	0.010	1.30	0.32	0.33	0.150
JUL								
17-24	0.060	0.020	0.100	0.020	1.70	0.33	0.26	0.110
JUL								
24-31	0.140	0.020	0.080	0.040	7.60	0.34	0.62	0.400
JUL 31-								
AUG 07	0.130	0.030	0.170	0.050	1.50	0.31	0.36	0.120
AUG 28-								
SEP 04	0.160	0.030	0.160	0.050	2.20	0.56	0.41	0.160
SEP								
04-11	0.090	0.030	0.130	0.040	5.70	0.53	0.43	--
SEP								
11-18	0.030	0.020	0.120	0.020	0.58	0.34	0.10	0.040
SEP								
18-25	0.220	0.040	0.220	0.040	3.20	0.45	0.51	--

QUALITY OF PRECIPITATION

PRECIPITATION QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

PERRY COUNTY

PRECIPITATION QUALITY STATION NEAR JANICE, MS

LOCATION.--Lat 31°01'52", long 88°59'09", in NW1/4 sec.22, T.1 N., R.10 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170007, at the U.S. Forest Service Erambert Seed Orchard, on State Highway 29, 3.4mi east of Janice.

PERIOD OF RECORD.--Water years 1982 to current year.

INSTRUMENTATION.--Automatic sensing wet-dry precipitation collector and universal recording rain gage since February 1982.

REMARKS.--Sample preparation and field measurements by local observer.

DATE	TOTAL PRECIP- ITATION FOR DEFINED PERIOD (IN) (00193)	SPEC. CONDUCT- TANCE LAB ATM DEP WET TOT (US/CM) (83156)	PH LAB ATM DEP WET T (UNITS) (83107)	DATE	TOTAL PRECIP- ITATION FOR DEFINED PERIOD (IN) (00193)	SPEC. CONDUCT- TANCE LAB ATM DEP WET TOT (US/CM) (83156)	PH LAB ATM DEP WET T (UNITS) (83107)
OCT 01-03	0.00	--	--	MAR 27-			
03-10	0.50	37	4.20	APR 03	2.10	13	4.70
10-17	2.30	14	4.70	03-10	0.00	--	--
17-24	0.65	9.4	4.80	10-17	1.55	19	--
24-31	0.00	--	--	17-24	0.90	21	4.50
OCT 31-				APR 24-			
NOV 07	1.06	22	4.40	MAY 01	0.45	16	4.70
07-14	3.38	6.2	5.10	01-08	0.00	--	--
14-21	2.19	7.4	5.60	08-15	6.67	7.3	5.10
21-28	0.78	6.2	5.10	15-22	0.07	--	--
NOV 28-				22-29	1.05	11	4.80
DEC 05	0.00	--	--	MAY 29-			
05-12	4.33	12	4.70	JUN 05	3.25	17	4.50
12-19	0.93	28	--	05-12	0.19	19	4.50
19-27	0.00	--	--	12-19	0.00	--	--
DEC 27-				19-26	1.40	31	4.20
JAN 1990				JUN 26-			
-02	1.70	61	--	JUL 03	0.19	--	--
02-09	2.15	8.4	4.90	03-10	0.32	44	4.00
09-16	0.00	--	--	10-17	1.06	28	4.20
16-23	2.45	13	4.90	17-24	1.15	11	4.60
23-30	2.70	8.1	5.10	24-31	0.00	--	--
JAN 30-				JUL 31-			
FEB 06	0.45	7.6	5.00	AUG 07	1.85	51	4.00
06-13	2.45	37	--	07-14	0.00	--	--
13-20	5.35	9.9	6.00	14-21	0.00	--	--
20-27	2.65	--	--	21-28	2.75	29	4.20
FEB 27-				AUG 28-			
MAR 06	0.60	13	4.80	SEP 04	0.65	--	--
06-13	0.00	--	--	04-11	0.35	68	3.80
13-20	6.02	5.8	5.40	11-18	1.59	24	4.20
20-27	0.00	--	--	18-25	0.45	19	4.30
				25-30	0.20	--	--

PRECIPITATION QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

PERRY COUNTY--Continued

PRECIPITATION QUALITY STATION NEAR JANICE, MS--Continued

DATE	CALCIUM	MAG-	SODIUM	POTAS-	SULFATE	CHLO-	NI-	NI-
	ATM DEP	NESIUM	ATM DEP	SIUM	ATM DEP	RIDE	TROGEN	TROGEN
	WET DIS (MG/L) (82932)	ATM DEP WET DIS (MG/L) (83002)	ATM DEP WET DIS (MG/L) (83138)	ATM DEP WET DIS (MG/L) (83120)	WET DIS AS SO4 (MG/L) (83160)	ATM DEP WET DIS (MG/L) (82944)	ATM DEP WET DIS AS N (MG/L) (83068)	ATM DEP WET DIS AS N (MG/L) (83044)
OCT								
03-10	0.080	0.030	0.420	0.050	3.70	0.39	0.28	0.200
OCT								
10-17	0.040	0.040	0.660	0.030	1.30	0.62	0.10	0.020
OCT								
17-24	0.040	0.010	0.120	0.030	0.79	0.21	0.08	0.010
OCT 31-								
NOV 07	0.070	0.030	0.280	0.050	2.00	0.40	0.25	0.190
NOV								
07-14	0.060	0.030	0.210	0.020	0.53	0.25	0.07	0.040
NOV								
14-21	0.140	0.050	0.410	1.00	0.90	0.60	<0.05	<0.010
NOV								
21-28	0.040	0.020	0.180	0.060	0.45	0.12	0.08	0.020
DEC								
05-12	0.030	0.050	0.190	0.020	1.10	0.34	0.09	0.050
DEC								
12-19	--	--	--	--	2.60	1.30	0.17	0.220
DEC 27-								
JAN 02	0.260	0.150	3.30	1.10	2.30	4.60	0.17	3.10
JAN								
02-09	0.080	0.030	0.150	0.140	0.92	0.24	0.10	0.100
JAN								
16-23	0.060	0.100	0.790	0.140	1.30	1.20	0.11	0.170
JAN								
23-30	0.030	0.030	0.230	0.110	0.95	0.33	0.11	0.200
JAN 30-								
FEB 06	0.070	0.030	0.220	0.060	0.68	0.34	0.10	0.060
FEB								
06-13	--	0.180	0.310	0.750	1.70	0.44	0.11	2.00
FEB								
13-20	0.180	0.110	0.580	0.230	1.20	0.95	0.10	0.310
FEB 27-								
MAR 06	0.070	0.040	0.800	0.070	0.94	1.80	0.14	0.050
MAR								
13-20	0.090	0.030	0.220	0.090	0.60	0.33	0.06	0.130
MAR 27-								
APR 03	0.080	0.020	0.200	0.030	1.20	0.29	0.19	0.150
APR								
10-17	0.080	0.110	0.420	0.670	2.00	0.75	0.18	1.30
APR								
17-24	0.130	0.060	0.480	0.050	1.80	0.70	0.31	0.210
APR 24-								
MAY 01	0.100	0.110	0.660	0.060	1.40	1.20	0.16	0.140
MAY								
08-15	0.060	0.030	0.200	0.040	0.70	0.31	0.09	0.120
MAY								
22-29	0.130	0.020	0.170	0.040	0.78	0.38	0.23	0.120
MAY 29-								
JUN 05	0.090	0.030	0.310	0.050	1.50	0.49	0.17	0.080
JUN								
05-12	0.190	0.050	0.360	0.460	1.30	0.67	0.32	0.100
JUN								
19-26	0.140	0.030	0.130	0.090	2.60	0.35	0.48	0.380
JUL								
03-10	0.160	0.040	0.220	0.100	3.20	0.38	0.55	0.160
JUL								
10-17	0.080	0.020	0.160	0.030	1.80	0.31	0.38	0.100
JUL								
17-24	0.050	0.020	0.150	0.090	0.77	0.34	0.18	0.060
JUL 31-								
AUG 07	0.070	0.010	0.070	0.040	4.30	0.34	0.49	0.340
AUG								
21-28	0.070	0.010	0.060	0.020	2.30	0.24	0.30	0.200
SEP								
04-11	0.140	0.020	0.100	0.150	6.60	0.44	0.58	0.330
SEP								
11-18	0.070	0.020	0.100	0.060	2.00	0.31	0.23	0.110
SEP								
18-25	0.050	0.010	0.070	0.050	1.70	0.20	0.20	0.110

QUALITY OF PRECIPITATION

PRECIPITATION QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

WILKINSON COUNTY

PRECIPITATION QUALITY STATION NEAR ROSETTA, MS

LOCATION.--Lat 31°17'34", long 91°08'11", in SE4NW4SW4 sec.26, T.4 N., R.1 E., Washington Meridian, Wilkinson County, Hydrologic Unit 08060205, on oil well service road, 0.1 mi southeast of U.S. Forest Service Route 193, in the Homochitto National Forest, 2.5 mi southwest of Rosetta.

PERIOD OF RECORD.--Water years 1986 to current year.

INSTRUMENTATION.--Automatic sensing wet-dry precipitation collector and universal recording rain gage since February 1986.

REMARKS.--Sample preparation and field measurements by local observer.

DATE	TOTAL PRECIP- ITATION FOR DEFINED PERIOD (IN) (00193)	SPEC. CONDUCT- TANCE LAB ATM DEP WET TOT (US/CM) (83156)	PH LAB ATM DEP WET T (UNITS) (83107)	DATE	TOTAL PRECIP- ITATION FOR DEFINED PERIOD (IN) (00193)	SPEC. CONDUCT- TANCE LAB ATM DEP WET TOT (US/CM) (83156)	PH LAB ATM DEP WET T (UNITS) (83107)
OCT				MAR 27-			
01-03	0.00	--	--	APR 03	0.95	--	--
03-10	0.00	--	--	03-10	0.09	--	--
10-17	0.00	--	--	10-17	1.45	11	4.70
17-24	2.00	13	4.70	17-24	2.00	37	4.20
24-31	0.07	--	--	APR 24-			
OCT 31-				MAY 01	1.55	--	--
NOV 07	0.40	13	4.80	01-15	2.15	--	--
07-14	3.55	7.9	4.90	15-22	1.71	8.8	5.10
14-21	1.25	7.2	5.00	22-29	2.93	--	--
21-28	1.50	7.2	5.00	MAY 29-			
NOV 28-				JUN 05	2.45	--	--
DEC 05	0.00	--	--	05-12	0.35	--	--
05-12	4.85	11	4.70	12-19	0.00	--	--
12-19	0.60	20	4.40	19-26	0.45	14	4.60
19-26	0.00	--	--	JUN 26-			
DEC 26-				JUL 03	0.15	51	4.00
JAN 1990				03-10	3.35	10	4.70
-02	2.65	7.5	4.90	10-17	0.25	15	4.50
02-09	3.65	7.7	4.90	17-24	1.60	--	--
09-17	0.00	--	--	24-31	0.00	--	--
17-23	2.20	11	4.80	JUL 31-			
23-30	8.65	4.1	5.00	AUG 07	1.05	31	4.20
JAN 30-				07-14	0.00	--	--
FEB 06	1.30	7.8	5.00	14-21	0.08	--	--
06-13	1.30	10	5.00	21-28	0.83	38	4.10
13-20	2.95	8.6	5.10	AUG 28-			
20-27	0.70	4.4	5.00	SEP 04	0.10	--	--
FEB 27-				04-11	3.65	28	4.20
MAR 06	1.00	7.8	4.80	11-18	1.70	17	4.40
06-13	0.07	--	--	18-25	0.50	27	4.20
13-20	0.80	14	4.80	25-30	0.00	--	--
20-27	0.00	--	--				

PRECIPITATION QUALITY DATA, WATER YEAR OCTOBER 1989 TO SEPTEMBER 1990

WILKINSON COUNTY--Continued

PRECIPITATION QUALITY STATION NEAR ROSETTA, MS--Continued

DATE	CALCIUM	MAG-	SODIUM	POTAS-	SULFATE	CHLO-	NI-	NI-
	ATM DEP	NESIUM	ATM DEP	SIUM	ATM DEP	RIDE	TROGEN	TROGEN
	WET DIS (MG/L) (82932)	ATM DEP WET DIS (MG/L) (83002)	ATM DEP WET DIS (MG/L) (83138)	ATM DEP WET DIS (MG/L) (83120)	WET DIS AS SO4 (MG/L) (83160)	ATM DEP WET DIS (MG/L) (82944)	ATM DEP WET DIS AS N (MG/L) (83068)	ATM DEP WET DIS AS N (MG/L) (83044)
OCT								
17-24	0.050	0.020	0.180	0.020	0.99	0.26	0.15	0.060
OCT 31-								
NOV 07	0.120	0.040	0.370	0.070	1.30	0.42	0.16	0.160
NOV								
07-14	0.090	0.030	0.160	0.030	0.71	0.29	0.08	0.050
NOV								
14-21	0.060	0.020	0.180	0.030	0.64	0.32	0.09	0.060
NOV								
21-28	0.090	0.020	0.220	0.070	0.58	0.32	0.10	0.040
DEC								
05-12	0.050	0.020	0.200	0.030	0.88	0.39	0.12	0.060
DEC								
12-19	0.120	0.020	0.130	0.060	2.00	0.18	0.22	0.120
DEC 26-								
JAN 02	0.050	0.020	0.150	0.040	0.62	0.22	0.07	0.050
JAN								
02-09	0.030	0.010	0.090	0.020	0.75	0.17	0.09	0.070
JAN								
17-23	0.040	0.060	0.490	0.040	0.93	0.83	0.11	0.050
JAN								
23-30	0.020	0.010	0.050	<0.010	0.33	<0.05	0.05	0.020
JAN 30-								
FEB 06	0.100	0.030	0.260	0.030	0.67	0.35	0.08	0.020
FEB								
06-13	0.060	0.030	0.680	0.260	0.88	0.98	0.09	0.040
FEB								
13-20	0.140	0.040	0.280	0.040	1.00	0.58	0.10	0.120
FEB								
20-27	0.020	0.010	0.070	0.020	0.43	0.12	0.07	0.020
FEB 27-								
MAR 06	0.020	0.010	0.100	0.010	2.55	0.07	0.14	0.040
MAR								
13-20	0.310	0.060	0.370	0.070	1.70	0.55	0.19	0.190
APR								
10-17	0.050	0.010	0.090	0.070	0.88	0.21	0.16	0.020
APR								
17-24	0.150	0.040	0.340	0.040	3.60	0.44	0.56	0.500
MAY								
15-22	0.210	0.040	0.330	0.220	0.79	0.51	0.18	0.120
JUN								
19-26	0.150	0.030	0.210	0.060	1.10	0.32	0.21	0.070
JUN 26-								
JUL 03	0.580	0.070	0.300	0.100	3.80	0.51	0.94	0.280
JUL								
03-10	0.170	0.020	0.100	0.020	0.75	0.22	0.20	0.040
JUL								
10-17	0.080	0.020	0.140	0.040	0.52	0.30	0.36	0.030
JUL 31-								
AUG 07	0.050	0.010	0.060	0.020	2.50	0.32	0.36	0.320
AUG								
21-28	0.120	0.020	0.110	0.050	2.90	0.31	0.47	0.240
SEP								
04-11	0.070	0.010	0.080	0.030	2.40	0.24	0.30	0.170
SEP								
11-18	0.050	0.020	0.100	0.030	1.40	0.23	0.18	0.040
SEP								
18-25	0.050	0.010	0.070	0.040	2.40	0.23	0.31	0.190

	Page		Page
Aberdeen, Buttahatchee River near.....	51-52	Blue-green algae, definition of.....	18
Access to WATSTORE Data.....	13	Blue Lake at Berclair.....	255
Accuracy of the Records.....	8	near Quito.....	255
Acre-foot, definition of.....	14	Bogalusa, LA, Pearl River near.....	116
ADDENDUM.....	21	Bogue Chitto near Lehr.....	209
Adenosine triphosphate, definition of.....	14	near Tylertown.....	117
Agricola, Escatawpa River near.....	90	Bogue Homo at Heidelberg.....	208
Algae, definition of.....	14	near Richton.....	69
Algal growth potential, definition of.....	14	Booneville, Big Brown Creek near.....	28
Alligator Bayou near Sidon.....	254	Bottom material, definition of.....	15
Amite River near Darlington, LA.....	195	Bovina, Big Black River near.....	188-189
Amory, Tombigbee River near.....	197	Boule Creek near Hattiesburg.....	61
Aquifer, definition of.....	14	near Sanford.....	203
Aquifer names of Geologic Unit Codes.....	356	Broad Lake near Yazoo City.....	261
Arrangement of Records.....	9	Brooklyn, Black Creek near.....	85
Artesian, definition of.....	14	Bruce, Skuna River at.....	160
Arundel, Okatibbee Creek at.....	73-74	Buck Creek near Runnelstown.....	204
Bacteria, definition of.....	14	Buckatunna Creek near Denham.....	79
Fecal coliform bacteria, definition of.....	14	Buffalo River basin, hydrologic-data station	
Fecal streptococcal bacteria, definition of.....	14	records in.....	194
Total coliform bacteria, definition of.....	14	Buffalo River near Woodville.....	194
Base flow, definition of.....	14	Bull Mountain Creek at Tremont.....	42
Bala Chitto Creek at Osyka.....	211	near Smithville.....	196, 213-214
Batesville, Hotopha Creek near.....	124-128	Burnside, Pearl River at.....	93-94
Batupan Bogue at Grenada.....	161-165	Burnsville, Little Yellow Creek East near.....	119
Bayou Pierre basin, crest-stage partial-record		Buttahatchee River near Aberdeen.....	51-52
stations in.....	206	near Kolola Springs.....	216
hydrologic-data station records in.....	190	Calendar for water year 1990.....	2nd cover
Bayou Pierre near Willows.....	190	Calhoun City, Yalobusha River at.....	159
Bear Creek at Canton.....	210	Carthage, Pearl River near.....	97-98
at Swiftown.....	258	Catalpa Creek at Mayhew.....	203
near Colony Town.....	256	Cells/volume, definition of.....	15
near Moorhead.....	256	Chemical oxygen demand, definition of.....	15
near Morgan City.....	256	Chickasawhay River at Enterprise.....	75-76
near Quito.....	255	at Leakesville.....	80
Bed material, definition of.....	14	at Shubuta.....	77
Bee Lake near Thornton.....	260	near Waynesboro.....	78
Benndale, Pascagoula River near.....	83-84	Chiwapa Creek at Shannon.....	202
Big Black River basin, crest-stage partial-		Chlorophyll, definition of.....	15
record stations in.....	206	Chuquatonchee Creek near Egypt.....	202
Discharge measurements at special study and		near Okalona.....	202
miscellaneous sites in.....	210	near West Point.....	202
hydrologic-data station records in.....	187-189	Chunky, Chunky River near.....	71
Big Black River at West.....	187	Chunky River near Chunky.....	71
near Bovina.....	188-189	Clarks Creek near Pattison.....	206
near Canton.....	210	Classification of Records.....	9
Big Brown Creek near Booneville.....	28	Clear Creek at Bovina.....	210
Big Creek near Hattiesburg.....	208	near Bovina.....	206
Bigbee, Tombigbee River at.....	43-45	Coffee Bogue at Ludlow.....	204
Biloxi River basin, crest-stage partial-record		Coles Creek Basin, crest-stage partial-	
stations in.....	204	record stations in.....	206
hydrologic-data station records in.....	91	Coles Creek near Fayette.....	206
Biloxi River at Wortham.....	91	Collins, Leaf River near.....	60
near Lyman.....	204	Color unit, definition of.....	15
Biochemical oxygen demand, definition of.....	14	Columbia, Pearl River near.....	115
Biomass, definition of.....	14	Columbus, Luxapallila Creek near.....	55-56
Ash mass.....	14	Tombigbee River at.....	54
Dry mass.....	15	Tombigbee River at Columbus Lock and Dam,	
Organic Mass.....	15	near.....	53
Wet Mass.....	15	Comparison of discharge at three long-term	
Black Bayou near Arcola.....	263	representative gaging stations.....	24
near Burdette.....	262	Contents, definition of.....	15
near Estill.....	263	Control, definition of.....	15
near Hollandale.....	263	Control structure, definition of.....	15
near Percy.....	266	Conversion factors, inch-pounds units to	
north west of Arcola.....	262	International Units (SI).....	3rd cover
Black Bayou Canal near Burdette.....	262	Coonewah Creek at Shannon.....	202
Black Creek at Bowling Green.....	210, 241	Cooperation.....	1
at Howard.....	210, 242	Copiah Creek near Hazlehurst.....	205
at Lexington.....	171-172	Crest-stage partial-record stations.....	202-207
drainage basin study.....	253-261	Cross Roads, Tennessee-Tombigbee Waterway at... 120-121	
near Brooklyn.....	85	Cubic foot per second, definition of.....	15
near Purvis.....	208	Cubic feet per second-day, definition of.....	15
near Wiggins.....	88	Cubic feet per second per square mile,	
study nr Lexington.....	240-242	definition of.....	15

	Page		Page
Cummings Creek near Fulton.....	38	Carroll County.....	310
Cypress Creek near Etta.....	205	Chickasaw County.....	310-311
near Janice.....	86-87	Choctaw County.....	272, 311
Darlington, LA, Amite River near.....	195	Claiborne County.....	311
Data collection and computation.....	5, 12, 15	Clay County.....	273-274
Data Presentation.....	6, 10, 12, 13	Coahoma County.....	312
Definition of terms.....	14	Copiah County.....	312-313
Denham, Buckatunna Creek near.....	79	Covington County.....	313
Diatoms, definition of.....	18	De Soto County.....	313
Discharge at partial-record stations and miscellaneous sites.....	196-212	Forrest County.....	275, 314
at flood hydrograph partial-record stations..	196-201	Franklin County.....	315
Discharge, definition of.....	15	Greene County.....	315
instantaneous, definition of.....	15	Grenada County.....	315-316
mean, definition of.....	15	Hancock County.....	317-319
Discharge measurements at special study and miscellaneous sites.....	208-212	Harrison County.....	276-277, 320-321
Dissolved, definition of.....	15	Hinds County.....	278-279, 321-324
Dissolved oxygen, definition of.....	15	Holmes County.....	325
Dissolved-solids concentration, definition of..	15	Humphreys County.....	326
Ditch No. 14 near Erwin.....	266	Itawamba County.....	280, 326
Downstream order and station number.....	4	Jackson County.....	327-330
Drainage area, definition of.....	16	Jasper County.....	281
Drainage basin, definition of.....	17	Jefferson County.....	330
Eastern Gulf of Mexico Basin, hydrologic-data station records in.....	28-117	Jones County.....	282-283, 330
Eddiceton, Homochitto River at.....	191	Lafayette County.....	284-285, 331
Edinburg, Pearl River at.....	95-96	Lamar County.....	286, 331-332
Elmers Draw near Columbia.....	205	Lauderdale County.....	332
Enterprise, Chickasawhay River at.....	75-76	Lawrence County.....	332
Escatawpa River at mile 0 near Escatawpa.....	227	Leake County.....	332-333
at mile 2.....	225	Lee County.....	287, 333-335
at mile 3.....	225	Leflore County.....	288, 335-336
at mile 4.....	224	Lincoln County.....	337
at mile 5.....	224	Lowndes County.....	289, 337-339
at mile 6.....	223	Madison County.....	340
at mile 7.....	223	Marshall County.....	341
at mile 8.....	222	Monroe County.....	290, 341-342
at mile 9.....	222	Montgomery County.....	342
at mile 10.....	222	Newton County.....	343
at Moss Point.....	225-227	Noxubee County.....	343
near Agricola.....	90	Oktibbeha County.....	343
near Orange Grove.....	221	Panola County.....	291
Etta, Little Tallahatchie River at.....	123	Perry County.....	344
Eubanks Creek at Jackson.....	199	Pike County.....	292, 344
Explanation of the records.....	4	Prentiss County.....	344-345
Fairview, Mud Creek near.....	35	Quitman County.....	345
Fannegusha Creek near Howard.....	166-170	Rankin County.....	346
near Ituma.....	210, 240	Scott County.....	346-347
near Sand Hill.....	204	Sharkey County.....	347
near Tchula.....	206	Simpson County.....	348
Fish Lake near Metcalfe.....	262	Sunflower County.....	293, 348
Flat Scooba Creek tributary near Scooba.....	203	Tate County.....	349
Flood hydrograph partial-record stations.....	196-201	Tippah County.....	349-350
Florence, AL, Tennessee River at.....	118	Tishomingo County.....	294-295, 350
Fulton, Cummings Creek near.....	38	Tunica County.....	351
Tombigbee River near.....	39-41	Union County.....	351
Gage height, definition of.....	16	Warren County.....	296
Gaging station, definition of.....	16	Washington County.....	297-299, 351-352
Geiger, AL, Noxubee River near.....	59	Wayne County.....	353
Gordon Creek at Hattiesburg.....	203	Webster County.....	300, 353
Granicus Bayou near Avon.....	265	Wilkinson County.....	353-354
near Hollindale.....	266	Yazoo County.....	301-303, 354-355
near James.....	265	Ground-water levels.....	3, 269-355
Granny Baker Bayou near James.....	267	Guntown, Twentymile Creek near.....	36-37
Grenada, Batupan Bogue at.....	161-165	Hanging Moss Creek at Jackson.....	105-106
Ground-water level records in:		Hardness, definition of.....	16
Adams County.....	269-271, 304	Harland Creek near Howard.....	173-179
Alcorn County.....	304-305	Hattiesburg, Boule Creek near.....	61
Attala County.....	305-307	Leaf River at.....	62-63
Bolivar County.....	307-309	Hays Creek tributary No. 1 near Valden.....	206
Calhoun County.....	309	Hell Creek near New Albany.....	205
		Hickahala Creek near Independence.....	209, 236
		near Looxahoma.....	209, 237
		near Senatobia.....	145-151
		study near Senatobia.....	236-239
		Homochitto River basin, crest-stage partial- record stations in.....	207
		hydrologic-data station records in.....	191-193

	Page		Page
Homochitto River at Eddiceton.....	191	McCall Creek near Lucien.....	207
at Rosetta.....	192-193	McLain, Leaf River near.....	70
Hotopha Creek near Batesville.....	124-128	Measuring point, definition of.....	16
Houlka Creek near McCondy.....	202	Memphis, Mississippi River at.....	122
Howard, Fannegusha Creek near.....	166-170	Meridian, Sowashee Creek at.....	72
Harland Creek near.....	173-179	Merrill, Pascagoula River at.....	81-82
Hydrologic Bench-Mark Network.....	4	Metamorphic stage, definition of.....	16
Hydrologic Bench-Mark Network station, definition of.....	16	Methylene blue active substances, definition of.....	16
Hydrologic conditions, summary of.....	2-3	Micrograms per gram, definition of.....	16
Hydrologic-data station records.....	28-195	Micrograms per liter, definition of.....	16
Hydrologic unit, definition of.....	16	Mill Creek near Carriere.....	209
Identifying Estimated Daily Discharge.....	8	Milligrams per liter, definition of.....	16
Introduction.....	1	Minnehaha Creek at Magnolia.....	211
Jackson, Eubanks Creek at.....	199	Mississippi River Delta, hydrologic-data station records in.....	195
Hanging Moss Creek at.....	105-106	Mississippi River Main Stem, hydrologic-data station records on.....	122, 182-186
Lynch Creek at.....	201	Mississippi River at Memphis.....	122
Pearl River at.....	107-108	at Vicksburg.....	182-186
Town Creek at.....	200	Mobile River basin, crest-stage partial- record stations in.....	202-203
James Creek at Aberdeen.....	202	discharge measurements at special study and miscellaneous sites in.....	208
James Wolf Creek near Looxahoma.....	210, 238	flood hydrograph partial-record stations in.....	196-198
Janice, Cypress Creek near.....	86-87	hydrologic-data station records in.....	28-59
precipitation quality station near.....	378-379	water-quality data for partial- record stations and miscellaneous sites...	213-218
Kosciusko, Yockanookany River near.....	101	Monticello, Pearl River near.....	111-112
Laboratory measurements.....	10	Moore Branch near Woodville.....	207
Latitude-Longitude system.....	5	Moore Mill, Mackeys Creek near.....	31-32
Landon, Wolf River near.....	92	Red Bud Creek near.....	30
Land-surface datum, definition of.....	16	Mossy Lake near Swift Town.....	257
Laurel, Tallahala Creek at.....	65	Mud Creek near Fairview.....	35
Leaf River at Beaumont.....	208	National Geodetic Vertical Datum of 1929, definition of.....	16
at Hattiesburg.....	62-63	National Stream Quality Accounting Network.....	4
at Taylorsville.....	203	definition of.....	17
near Collins.....	60	National Trends Network.....	4
near McLain.....	70	definition of.....	17
near New Augusta.....	67-68	Nettleton, Town Creek near.....	48-50
near Raleigh.....	203	New Augusta, Leaf River near.....	67-68
Leakesville, Chickasawhay River at.....	80	Nichols Creek tributary near Quincy.....	202
Lexington, Black Creek at.....	171-172	North Tippah Creek near Ripley.....	205
Line Creek near Maben.....	202	Noxubee River at Macon.....	57-58
Little Black Creek at Eupora.....	210	near Geiger, AL.....	59
Little Creek near Fayette.....	206	NSTI, precipitation quality station at.....	376-377
Little Tallahatchie River at Etta.....	123	Oakhay Creek at Mize.....	203
Little Tangipahoa River at Magnolia.....	211	near Raleigh.....	208
near Fernwood.....	211	Oak Vale, Whitesand Creek near.....	113-114
Little Yellow Creek East near Burnsville.....	119	Ofahoma, Yockanookany River near.....	102-103
Long Creek at Courtland.....	205	Okatibbee Creek at Arundel.....	73-74
near Cascilla.....	206	Okatoma Creek at Seminary.....	208
Lower Mississippi River basin, hydrologic-data station records in.....	123-195	On-Site measurements and sample collection.....	9
Luxapallila Creek at Steens.....	203, 208	Organism, definition of.....	17
near Columbus.....	55-56	Organism count/area, definition of.....	17
Lynch Creek at Jackson.....	201	Organism count/volume, definition of.....	17
Mackeys Creek near Moores Mill.....	31-32	Total organism count, definition of.....	17
Macon Lake near Swift Town.....	257	Other records available.....	8
Macon, Noxubee River at.....	57-58	Otocalofa Creek at Paris.....	209, 233
Main Canal at Greenville.....	264	at Water Valley.....	205
at Metcalfe.....	264	canal near Water Valley.....	132-139
east of Swiftwater.....	264	canal east-southeast of Water Valley.....	235
near Swiftwater.....	264	east of Water Valley.....	234
near Wayside.....	265	near Paris.....	209, 232
southwest of Swiftwater.....	264	near Water Valley.....	209
Mantachie Creek below Dorsey.....	213	study near Water Valley.....	232-235
Map showing location of hydrologic-data stations.....	25	Oxford, Yocona River near.....	129
Map showing location of ground-water observation wells.....	27	Paden, Pollard Mill Branch near.....	29
Map showing location of partial-record and miscellaneous sites.....	26	Parameter Code.....	17
Marietta, Tombigbee River near.....	33-34	Partial-record station, definition of.....	17
Matubby Creek near Aberdeen.....	202	Particle-size, definition of.....	17
		Particle-size classification, definition of....	17

	Page		Page
Pascagoula and Escaptawpa Rivers		Jasper County.....	365
study near Pascagoula.....	219-231	Jones County.....	366
Pascagoula River basin, crest-stage		Lauderdale County.....	366
partial-record stations in.....	203-204	Leake County.....	366
data collected during short-term		Lee County.....	367
studies in.....	219-231	Madison County.....	367
discharge measurements at special study and		Marshall County.....	368
miscellaneous sites in.....	208	Newton County.....	368-369
hydrologic-data station records in.....	60-90	Noxubee County.....	369
Pascagoula River at Merrill.....	81-82	Prentiss County.....	370-372
at mile 0 at Pascagoula.....	231	Rankin County.....	372
at mile 1 at Pascagoula.....	230	Scott County.....	373
at mile 3.....	228	Smith County.....	373
at mile 4.....	228	Wayne County.....	374
at mile 5.....	228	Wilkinson County.....	374
at mile 6.....	227	Winston County.....	374
at mile 7.....	221	Yazoo County.....	375
at mile 8 near Escatawpa.....	221	Quality of precipitation.....	376-381
at mile 9.....	220		
at mile 10.....	220	Radiochemical program.....	4
at mile 11.....	220	Definition of.....	18
at mile 12 near Colltown.....	219	Radioisotopes, definition of.....	18
at mile 13 near Colltown.....	219	Ratliff, Pearl River at Coal Bluff near.....	104
at mile 14.....	219	Records of Ground-Water Levels.....	12
at U.S. Highway 90 at Pascagoula.....	229-230	Records of Ground-Water Quality.....	13
near Benndale.....	83-84	Records of stage and water discharge.....	5
Pearl River basin, crest-stage partial-record		Records of Surface-Water Quality.....	8
stations in.....	204-205	Recoverable from bottom material, definition of	19
discharge measurements at special study and		Red Bridge Bayou near Leland.....	262
miscellaneous sites in.....	208-209	Red Bud Creek near Moores Mill.....	30
flood hydrograph partial-record stations in..	199-201	Red Cane Creek tributary near Pisgah.....	204
hydrologic-data station records in.....	93-117	Red Creek at Vestry.....	89
Pearl River at Burnside.....	93-94	Redwood, Yazoo River at.....	180-181
at Byram.....	209	Return period, definition of.....	19
at Coal Bluff near Ratliff.....	104	Righton, Bogue Homo near.....	69
at Edinburg.....	95-96	Rockport, Pearl River at.....	109-110
at Jackson.....	107-108	Roebuck Lake at Itta Bena.....	253
at Rockport.....	109-110	near Itta Bena.....	253
at Ross Barnett Reservoir at Jackson.....	208	near Quito.....	253
near Bogalusa, LA.....	116	Rosetta, Homochitto River at.....	192-193
near Carthage.....	97-98	precipitation quality station near.....	380-381
near Columbia.....	115, 209	Runnelstown, Tallahala Creek near.....	66
near Monticello.....	111-112	Runoff in inches, definition of.....	19
Percent composition, definition of.....	17		
Periphyton, definition of.....	17	Sand Creek tributary near Mayhew.....	203
Pesticides, definition of.....	18	Sediment.....	10
Peters (Long) Creek near Pope.....	140-144	definition of.....	19
Phytoplankton, definition of.....	18	bed load, definition of.....	19
Picocurie, definition of.....	18	bed-load discharge, definition of.....	19
Plankton, definition of.....	18	suspended, definition of.....	19
Pollard Mill Branch near Paden.....	29	suspended concentration, definition of.....	19
Polychlorinated biphenyls, definition of.....	18	mean concentration, definition of.....	19
Pope, Peters (Long) Creek near.....	140-144	suspended discharge, definition of.....	19
Precipitation quality.....	3	suspended load, definition of.....	19
Precipitation quality station at NSTL.....	376-377	total discharge, definition of.....	19
near Janice.....	378-379	total load, definition of.....	19
near Rosetta.....	380-381	Senatobia, Hickahala Creek near.....	145-151
Primary Productivity.....	18	Senatobia Creek near.....	152-158
Publications on techniques of water-resources		Senatobia Creek near Como.....	210, 23
investigations.....	22-23	near Senatobia.....	152-158
Purple Creek at Jackson.....	204	Seven-day ten-year low flow, definition of....	19
Quality of ground water:		Shubuta, Chickasawhay River at.....	77
Attala County.....	357	Shubuta Creek near Shubuta.....	204
Bolivar County.....	357	Skuna River at Bruce.....	160
Clarke County.....	358	Sky Lake near Jaketown.....	259
Desoto County.....	358	Smithville, Bull Mountain Creek near.....	196
Forrest County.....	359	Sodium adsorption ratio, definition of.....	19
Green County.....	359	Solute, definition of.....	19
Grenada County.....	360	Souenlovie Creek near Baxter.....	204
Hancock County.....	360	Sowashee Creek at Meridian.....	72
Harrison County.....	361-363	Special networks and programs.....	4
Hinds County.....	364	Special study and miscellaneous sites.....	208-212
Humphreys County.....	364	Specific conductance, definition of.....	19
Jackson County.....	365	Stage-discharge relation, definition of.....	20
		Station identification numbers.....	4

Page	Page
Steele Bayou Drainage Basin Study.....	262-268
east Prong near Rolling Fork.....	268
near Glen Allan.....	267
near Grace.....	267
near Panther Burn.....	267
Streamflow.....	2
Streamflow, definition of.....	20
Streamflow quality.....	2-3
Strong River at D'Lo.....	205
near Puckett.....	205
Substrate, definition of.....	20
Artificial substrate, definition of.....	20
Natural substrate, definition of.....	20
Summary of Hydrologic Conditions.....	2-3
Surface area, definition of.....	20
Surficial bed material, definition of.....	20
Suspended, definition of.....	20
Suspended, recoverable, definition of.....	20
Suspended, total, definition of.....	20
Swan Lake Tributary near Percy.....	266
Tallahala Creek at Laurel.....	65
at Waldrup.....	64
near Runnelstown.....	66
Tallahatta Creek near Waldrup.....	203
Tallahoma Creek tributary at Lake Como.....	203
Tangipahoa River Basin, discharge measurements	
at special study and miscellaneous sites in..	210-212
Tangipahoa River at Chatawa.....	211
at Osyka.....	211
near Greenlaw, LA.....	212
near Magnolia.....	211
near McComb.....	210
south of Magnolia.....	211
Taxonomy, definition of.....	20
Tchoutacabouffa River basin, crest-stage	
partial-record stations in.....	204
Tennessee River Basin, hydrologic-data station	
records in.....	118-121
Tennessee River Main Stem, Hydrologic-data	
station records on.....	118
Tennessee River at Florence, AL.....	118
Tennessee-Tombigbee Waterway at Cross Roads.....	120-121
Columbus Lake Buttahatchee River Bendway 26A	215
Terry Creek near Osyka.....	212
Thermograph, definition of.....	21
Threemile Lake near Swiftown.....	258
Thompson Creek basin, crest-stage partial-	
record stations in.....	207
Three Mile Creek at Jackson.....	205
Tibbee, Tibbee Creek near.....	198
Tibbee Creek near Tibbee.....	198, 217
Tilda Bogue near Canton.....	206
Time-weighted average, definition of.....	21
Tombigbee River at Aberdeen.....	214
at Bigbee.....	43-45
at Columbus.....	54
at Columbus Lock and Dam, near Columbus.....	53
near Amory.....	197, 214
near Columbus.....	217-218
near Fulton.....	39-41
near Marietta.....	33-34
Tons per acre-foot, definition of.....	21
Tons per day, definition of.....	21
Total, definition of.....	21
Total discharge, definition of.....	21
Total, in bottom material, definition of.....	21
Total, recoverable, definition of.....	21
Town Creek at Eason Boulevard, at Tupelo.....	46-47
at Jackson.....	200
at Tupelo.....	202
at Water Valley.....	130-131
near Fernwood.....	211
near Nettleton.....	48-50
Tremont, Bull Mountain Creek at.....	42
Trim Cane Creek near Starkville.....	203
Tritium Network.....	4
Tupelo, Town Creek at Eason Boulevard, at.....	46-47
Turbidity, definition of.....	21
Tuscolameta Creek at Walnut Grove.....	99-100
Tuxachanie Creek near Biloxi.....	204
Twentymile Creek near Guntown.....	36-37
near Mantachie.....	213
Two Mile Creek near Raleigh.....	208
Tylertown, Bogue Chitto near.....	117
Unnamed ditch near James.....	265
Vestry, Red Creek at.....	89
Vicksburg, Mississippi River at.....	182-186
Waldrup, Tallahala Creek at.....	64
Walnut Grove, Tuscolameta Creek at.....	99 -100
Wasp Lake near Belzoni.....	259
Water-Quality data collected during	
short-term studies.....	219-268
Water-Quality data for partial-record stations	
and miscellaneous sites.....	213-218
Water temperature.....	10
Water Valley, Otoucalofa Creek Canal near.....	132-139
Town Creek at.....	130-131
Water year, definition of.....	21
Waterfall Branch near McLain.....	204
WATSTORE data, access to.....	13
Waynesboro, Chickasawhay River near.....	78
WDR, definition of.....	21
Weighted average, definition of.....	21
West, Big Black River at.....	187
West Hobolochitto Creek near McNeill.....	205
Whites Creek at Eupora.....	210
Whitesand Creek near Oak Vale.....	113-114
Wiggins, Black Creek near.....	88
Willows, Bayou Pierre near.....	190
Wolf Lake near Lake City.....	260
Wolf River basin, hydrologic-data station	
records in.....	92
Wolf River near Landon.....	92
Woodville, Buffalo River near.....	194
Worham, Biloxi River at.....	91
WRD, definition of.....	21
WSP, definition of.....	21
Yalobusha River at Calhoun City.....	159
Yazoo River basin, crest-stage partial-record	
stations in.....	205-206
data collected during short-term studies in..	232-268
discharge measurements at special study and	
miscellaneous sites in.....	209-210
hydrologic-data station records in.....	123-181
Yazoo River at Belozil.....	260
at Mile 133.4.....	252
at Mile 133.5.....	251
at Mile 133.6.....	250
at Mile 133.7.....	249
at Mile 133.8.....	248
at Mile 143.2.....	247
at Mile 143.3.....	246
at Mile 143.4.....	245
at Mile 143.5.....	244
at Mile 143.6.....	243
at Redwood.....	180-181
main stem study.....	243-252
near Shell Bluff.....	254
near Swift Town.....	254
Yockanookany River near Kosciusko.....	101
near Ofahoma.....	102-103
Yockanookany River tributary near McCool.....	204
Yocona River near Oxford.....	129
Zooplankton, definition of.....	18

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI).

Multiply inch-pound units	By	To obtain SI units
<i>Length</i>		
inches (in)	2.54×10^1	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^0	kilometers (km)
<i>Area</i>		
acres	4.047×10^3	square meters (m ²)
	4.047×10^{-1}	square hectometers (hm ²)
	4.047×10^{-3}	square kilometers (km ²)
square miles (mi ²)	2.590×10^0	square kilometers (km ²)
<i>Volume</i>		
gallons (gal)	3.785×10^0	liters (L)
	3.785×10^0	cubic decimeters (dm ³)
	3.785×10^{-3}	cubic meters (m ³)
million gallons	3.785×10^3	cubic meters (m ³)
	3.785×10^{-3}	cubic hectometers (hm ³)
cubic feet (ft ³)	2.832×10^1	cubic decimeters (dm ³)
	2.832×10^{-2}	cubic meters (m ³)
cfs-days	2.447×10^3	cubic meters (m ³)
	2.447×10^{-3}	cubic hectometers (hm ³)
acre-feet (acre-ft)	1.233×10^3	cubic meters (m ³)
	1.233×10^{-3}	cubic hectometers (hm ³)
	1.233×10^{-6}	cubic kilometers (km ³)
<i>Flow</i>		
cubic feet per second (ft ³ /s)	2.832×10^1	liters per second (L/s)
	2.832×10^1	cubic decimeters per second (dm ³ /s)
	2.832×10^{-2}	cubic meters per second (m ³ /s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm ³ /s)
	6.309×10^{-5}	cubic meters per second (m ³ /s)
million gallons per day	4.381×10^1	cubic decimeters per second (dm ³ /s)
	4.381×10^{-2}	cubic meters per second (m ³ /s)
<i>Mass</i>		
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

USGS LIBRARY - RESTON



3 1818 00084018 9

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF THE INTERIOR
INT 413

U.S. DEPARTMENT OF THE INTERIOR
Geological Survey
100 West Capitol Street, Suite 710
Jackson, MS 39269



OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300
SPECIAL 4TH CLASS BOOK RATE