

R
(200)
Ga3.
Mississippi
1978



Water Resources Data for Mississippi

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT MS-78-1

WATER YEAR 1978

Prepared in cooperation with the Mississippi Board
of Water Commissioners and with other State,
county, municipal, and Federal agencies

CALENDAR FOR WATER YEAR 1978

1 9 7 7

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

1 9 7 8

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 for Mississippi

U.S.GEOLOGICAL SURVEY WATER-DATA REPORT MS-78-1

WATER YEAR 1978

Prepared in cooperation with the Mississippi Board
of Water Commissioners and with other State,
county, municipal, and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

CECIL D. ANDRUS, Secretary

GEOLOGICAL SURVEY

H. William Menard, Director

Prepared in cooperation with

Mississippi Board of Water Commissioners
Mississippi State Highway Department
Mississippi Research and Development Center
Mississippi Air and Water Pollution Control Commission
Pat Harrison Waterway District
Pearl River Valley Water Supply District
Harrison County Development Commission
Jackson County Port Authority
City of Jackson
Corps of Engineers, U.S. Army
U.S. Soil Conservation Service
Environmental Protection Agency

For additional information write to:

District Chief, Water Resources Division
U.S. Geological Survey
100 W. Capitol Street, Suite 710
Jackson, Mississippi 39206

1980

PREFACE

This report was prepared by the U.S. Geological Survey in cooperation with the State of Mississippi and with other agencies, by personnel of the Mississippi District of the Water Resources Division under the supervision of L. E. Carroon, District Chief, and R. J. Dingman, Regional Hydrologist.

This report is one of a series issued State by State under the general direction of Philip Cohen, Chief Hydrologist, and S. M. Lang, Acting Assistant Chief Hydrologist for Scientific Publications and Data Management.

BIBLIOGRAPHIC DATA SHEET	1. Report No. USGS/WRD/HD-80/017	2.	3. Recipient's Accession No.
4. Title and Subtitle Water Resources Data for Mississippi, Water Year 1978		5. Report Date February 1980	
		6.	
7. Author(s)		8. Performing Organization Rept. No. USGS-WDR-MS-78-1	
9. Performing Organization Name and Address U.S. Geological Survey, Water Resources Division 100 West Capitol Street, Suite 710 Jackson, Mississippi 39201		10. Project/Task/Work Unit No.	
		11. Contract/Grant No.	
12. Sponsoring Organization Name and Address U.S. Geological Survey, Water Resources Division 100 West Capitol Street, Suite 710 Jackson, Mississippi 39201		13. Type of Report & Period Covered Annual - Oct. 1 1977 to Sept. 30, 1978.	
		14.	
15. Supplementary Notes Prepared in cooperation with the State of Mississippi and with other agencies.			
16. Abstracts Water resources data for the 1978 water year for Mississippi consist of records of stage and discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs;; and water levels of wells. This report contains discharge records for 82 gaging stations; stage records for 15 of these gaging stations; stage only for 3 gaging stations; contents for 4 lakes; water quality for 25 gaging stations, and 164 wells; and water levels for 175 observation wells. Also included are data for 92 crest-stage partial-record stations. 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. Key Words and Document Analysis. 17a. 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.			
17b. Identifiers/Open-Ended Terms			
17c. 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 515
		20. Security Class (This Page) UNCLASSIFIED	22. Price

CONTENTS

	Page
Preface.....	III
List of hydrologic-data stations, in downstream order, for which records are published.....	VI
Notice of water quality parameter terminology changes.....	VIII
Introduction.....	1
Cooperation.....	1
Acknowledgment.....	2
Hydrologic conditions.....	2
Definitions of terms.....	2
Downstream order and station numbers.....	7
Numbering system for wells and miscellaneous sites.....	7
Special networks and programs.....	8
Explanation of stage and water-discharge records.....	8
Collection and computation of data.....	8
Accuracy of field data and computed results.....	10
Other data available.....	10
Records of discharge collected by agencies other than the Geological Survey.....	10
Explanation of water-quality records.....	11
Collection and examination of data.....	11
Water analysis.....	11
Water temperatures.....	11
Sediment.....	11
Explanation of ground-water level records.....	12
Collection of the data.....	12
Publications on techniques of water-resources investigations.....	13
Hydrologic-data station records.....	18
Discharge at partial-record stations and miscellaneous sites.....	242
Low-flow partial-record stations.....	242
Crest-stage partial-record stations.....	243
Miscellaneous sites.....	252
Discharge measurements in the Tennessee-Tombigbee study area.....	255
Analyses of samples collected at water-quality miscellaneous sties.....	260
Analyses of samples collected during short-term intensive studies.....	263
Bayou Casotte and Bayou Chico near Pascagoula.....	263
Pascagoula and Escatawpa Rivers near Pascagoula.....	269
Yockanookany River near Ackerman.....	287
Pearl River near Jackson.....	294
Hobolochitto Creek near Picayune.....	304
Tillatoba Creek near Charleston.....	313
Lead Bayou near Cleveland.....	320
Ground-water records.....	329
Ground-water levels.....	329
Ground-water levels in the Tennessee-Tombigbee study area.....	381
Quality of ground water.....	482
Analyses of samples in State network.....	482
Analyses of samples in the Tennessee-Tombigbee Study area.....	494
Field determinations in the Tennessee-Tombigbee Study area.....	497
Appendix.....	498
Index.....	503

ILLUSTRATIONS

Figure 1. System for numbering wells and miscellaneous sites.....	7
2. Comparison of discharge at three long-term representative gaging stations during 1978 with median discharge for water years 1941-70.....	14
3. Map showing location of hydrologic-data statins.....	15
4. Map showing location of partial-record stations.....	16
5. Map showing location of observation wells.....	17

[Letter after station name designates type of data: (d) discharge, (c) chemical, (b) biological
(m) microbiological, (t) water temperature, (s) sediment, (g) gage height]

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)	18	
Little Brown Creek near New Site (d)	19	
Mackeys Creek:		
Pollard Mill Branch near Paden (d)	20	
Mackeys Creek near Dennis (dcmts)	21	
Rock Creek near Belmont (d)	34	
Red Bud Creek near Moores Mill (d)	35	
Tombigbee River:		
Mud Creek near Fairview (d)	36	
Cummings Creek near Fulton (d)	37	
Tombigbee River near Fulton (dcg)	38	
Bull Mountain Creek at Tremont (d)	41	
Bull Mountain Creek near Smithville (dc)	42	
Tombigbee River at Bigbee (d)	44	
Town Creek at Eason Boulevard at Tupelo (dg)	45	
Town Creek near Nettleton (dc)	47	
Tombigbee River near Amory (dcg)	49	
Tombigbee River at Aberdeen (dcg)	52	
Nichols Creek near Aberdeen (c)	55	
James Creek at Aberdeen (c)	56	
Buttahatchee River near Aberdeen (d)	57	
Buttahatchee River near Kolola Springs (c)	58	
Tibbee Creek near Tibbee (dc)	59	
Tombigbee River near Columbus (c)	61	
Tombigbee River at Columbus (dg)	62	
Luxapallila Creek near Columbus (dc)	64	
Tombigbee River near Cochrane, AL (d)	66	
Noxubee River at Macon (d)	67	
Noxubee River near Geiger, AL (d)	69	
PASCAGOULA RIVER BASIN		
Leaf River (head of Pascagoula River) near Collins (d)	70	
Leaf River at Eastabuchie (cms)	71	
Bowie Creek near Hattiesburg (dg)	73	
Bowie River near Glendale (cms)	74	
Leaf River at Hattiesburg (dg)	76	
Leaf River near Palmer (cms)	78	
Tallahala Creek at Waldrup (cs)	80	
Tallahala Creek near Sandersville (cs)	81	
Tallahala Creek at Laurel (d)	82	
Tallahala Creek near Runnelstown (d)	83	
Bogue Homo near Richton (d)	84	
Leaf River at Beaumont (cms)	85	
Leaf River near McLain (d)	87	
Chunky River (head of Chickasawhay River) near Chunky (d)	88	
Okatibbee Creek:		
Sowashee Creek at Meridian (d)	89	
Okatibbee Creek at Arundel (dg)	90	
Chickasawhay River at Enterprise (dg)	92	
Chickasawhay River at Shubuta (g)	94	
Chickasawhay River at Woodward (cms)	95	
Chickasawhay River at Waynesboro (g)	97	
Buckatunna Creek near Denham (d)	98	
Chickasawhay River at Leakesville (dcms)	99	
Pascagoula River at Merrill (dg)	102	
Pascagoula River near Benndale (cbmts)	104	
Big Black Creek:		
Black Creek (head of Big Black Creek) near Brooklyn (d)	112	
Cypress Creek near Janice (dcms)	113	
Black Creek near Wiggins (d)	116	
Red Creek at Vestry (d)	117	
Escatawpa River near Agricola (d)	118	
Bluff Creek near Vancleave (d)	119	
BILOXI RIVER BASIN		
Biloxi River at Wortham (d)	120	
WOLF RIVER BASIN		
Wolf River near Landon (dcbmts)	121	

<u>PEARL RIVER BASIN</u>	
Pearl River at Edinburg (dg).....	128
Pearl River near Carthage (dg).....	130
Tuscolameta Creek at Walnut Grove (dg).....	132
Yockanookany River near Kosciusko (d).....	134
Yockanookany River near Ofahoma (dg).....	135
Pearl River at Jackson (dg).....	137
Pearl River near Monticello (dg).....	139
Whitesand Creek near Oak Vale (d).....	141
Pearl River near Columbia (g).....	142
Pearl River near Bogalusa, LA (d).....	143
Bogue Chitto near Tylertown (d).....	144
<u>OHIO RIVER BASIN</u>	
Ohio River:	
<u>TENNESSEE RIVER BASIN</u>	
Tennessee River at Florence, AL (d).....	145
Bear Creek at Bishop, AL (d).....	146
Yellow Creek:	
Little Yellow Creek East near Burnsville (d).....	147
Yellow Creek near Doskie (dcmts).....	148
Yellow Creek at Cross Roads (cmts).....	155
<u>LOWER MISSISSIPPI RIVER BASIN</u>	
Mississippi River at Memphis, TN (dg).....	163
<u>YAZOO RIVER BASIN</u>	
Little Tallahatchie River (head of Yazoo River) at Etta (d).....	165
Sardis Lake near Sardis.....	166
Little Tallahatchie River at Sardis Dam, near Sardis (d).....	167
Yocona River near Oxford (d).....	168
Enid Lake near Enid.....	169
Yocona River at Enid Dam, near Enid (d).....	170
Coldwater River:	
Arkabutla Lake near Arkabutla.....	171
Coldwater River at Arkabutla Dam, near Arkabutla (d).....	172
Tallahatchie River near Lambert (continuation of Little Tallahatchie River) (d).....	173
Tillatoba Creek below Oakland (ds).....	174
South Fork Tillatoba Creek near Charleston (ds).....	176
Tallahatchie River at Swan Lake (d).....	178
Yalobusha River at Calhoun City (d).....	179
Skuna River at Bruce (d).....	181
Grenada Lake near Grenada.....	182
Yalobusha River at Grenada Dam, near Grenada (d).....	183
Yazoo River at Greenwood (d).....	184
Yazoo River near Shell Bluff (cbmts).....	185
Yazoo River at Yazoo City (cm).....	196
Big Sunflower River at Sunflower (d).....	200
Yazoo River at Redwood (cbms).....	201
Mississippi River at Vicksburg (dcbmtsg).....	207
<u>BIG BLACK RIVER BASIN</u>	
Big Black River at West (d).....	219
Big Black River near Bovina (dcbmts).....	220
<u>BAYOU PIERRE BASIN</u>	
Bayou Pierre near Willows (d).....	229
<u>HOMOCHITTO RIVER BASIN</u>	
Homochitto River at Eddiceton (d).....	230
Homochitto River at Rosetta (dcbmts).....	231
<u>BUFFALO RIVER BASIN</u>	
Buffalo River near Woodville (d).....	240
<u>MISSISSIPPI RIVER DELTA</u>	
Amite River near Darlington, LA (d).....	241

NOTICE

During water year 1978, revisions were made in the terminology used to define 143 of the water-quality parameter codes that have been used by the Geological Survey in its publication of water-quality data and in its WATSTORE data system. These revisions were made to achieve consistency in terminology and to conform to a joint USGS-EPA agreement on terminology. They do not represent a change in the way the codes have been used in the past or in the association of specific code numbers with identified analytical procedures.

Use of the new terminology began with data for the 1978 water year, and therefore, it first appears in this publication. Definitions on which the terminology is based are included in the "Definitions" section of this report, and listings showing both old and new terminology are attached as an appendix to the report.

VIII

INTRODUCTION

Water resources data for the 1978 water year for Mississippi consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels of wells. This report contains discharge records for 82 gaging stations; stage records for 15 of these gaging stations; stage only records for 3 gaging stations; contents for 4 lakes; water quality for 25 gaging stations, and 164 wells; and water levels for 175 observation wells. Also included are data for 92 crest-stage partial-record stations. 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.

Records of discharge (or stage) of streams, and contents (or stage) of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through water year 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States."

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Waterquality records for water years 1964 through 1974 were similarly released either in separate reports or in conjunction with streamflow records. Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published as an official Survey report on a State-boundary basis. These official Survey reports carry 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 report is identified as "U.S. Geological Survey Water-Data Report MS-78-1." Water-data reports are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, Virginia, 22161.

COOPERATION

The U.S. Geological Survey and organizations of the State of Mississippi have had cooperative agreements for the systematic collection of streamflow records since 1931, and for water-quality records since 1964. Organizations that assisted in the collection of data through cooperation with the Survey are:

Mississippi Board of Water Commissioners,
Jack W. Pepper, Water Engineer.

Mississippi State Highway Department,
John R. Tabb, Director.

Mississippi Research and Development Center,
Dr. Kenneth C. Wagner, Director.

Mississippi Air and Water Pollution Control Commission,
Charles Chisolm, Acting Director.

Pat Harrison Waterway District
Pat W. Sellers, Executive Director.

Pearl River Valley Water Supply District,
R. B. Lampton, President.

Harrison County Development Commission,
Tommy Munro, President.

Jackson County Port Authority,
Jacob L. Lockard, Chairman.

City of Jackson, Dale Danks, Jr., Mayor.

Assistance in the form of funds or services was given by the Corps of Engineers, Department of the Army, in collecting records for 50 gaging stations published in this report.

Assistance was also furnished by the National Weather Service, NOAA, U.S. Department of Commerce; the Soil Conservation Service, U.S. Department of Agriculture; and the Environmental Protection Agency.

ACKNOWLEDGMENT

Mississippi district personnel who contributed significantly to the collection and preparation of the data in this report were: C. H. Tate, chief, Hydrologic Records Section, assisted by E. J. Tarpe, J. K. Arthur, W. T. Oakley, J. D. Shell, and J. W. Hudson.

HYDROLOGIC CONDITIONS

Streamflow for the 1978 water year was moderately above normal throughout the state.

As shown in figure 2, monthly mean discharges for October-January at three gaging stations located in the northern, central, and southern parts of the state were considerably above the median discharges. February streamflow was significantly deficient in the northern part of the state, equal to the median discharge in the central part of the state and only slightly deficient in the southern part of the state. Except for the northern part of the state, which was slightly deficient in March; March and April, were significantly deficient throughout the state. Streamflows for May and June were significantly higher than the median throughout the state with May being higher than the median of all months. The mean discharges for the remainder of the year of the three gaging stations followed very closely the patterns of the corresponding monthly median discharges, being very slightly deficient or near equal to the median.

Water levels in shallow (less than 200 ft) wells were about normal during the 1977 water year. Potentiometric levels in the deeper artesian aquifers continued to decline about a foot per year except in areas of heavy ground-water withdrawals where the decline was several feet.

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 inch-pound 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, 325,851 gallons, or 1,233 cubic meters.

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

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, rod-like, 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.

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 which produce colonies with a golden-green metallic sheen within 24 hours when incubated at 35°C + 1.0°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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

Fecal streptococcal bacteria are bacteria found also in the intestine of warmblooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies within 48 hours at 35°C + 1.0°C on M-enterococcus medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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 milligrams per liter, used for the decomposition of organic matter by micro-organisms, such as bacteria.

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

Ash mass is the mass or amount of residue present after the residue from the dry mass determination has been ashed in a muffle furnace at a temperature of 500°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 60°C for zooplankton and 105°C for 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 mass 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).

CFS-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.9835 acre-feet, about 646,000 gallons, or 2,447 cubic meters.

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.

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

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

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.

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

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

Dissolved is that material in a representative water sample which passes through a 0.45 μm membrane filter.

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 attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate (CaCO_3).

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 8-digit number.

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 substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

Micrograms per gram (ug/g) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

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) 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.

Organism is any living entity, such as an insect, phytoplankter, or zooplankter.

Organism count/area refers to the number of organisms collected and enumerated in a sample and adjusted to the number per area habitat, usually square meters (m^2), acres, or hectares. 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 milliliters (mL) or liters (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.

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.

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.

Pesticides are chemical compounds used to control undesirable plants and animals. Major categories of pesticides include insecticides, miticides, fungicides, herbicides, and rodenticides. Insecticides and herbicides, which control insects and plants respectively, are the two categories reported.

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/mL of sample.

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

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

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

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 only 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.

Runoff in inches (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.

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).

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 computed by multiplying discharge times mg/L times 0.0027.

Suspended-sediment load is a quantity of suspended sediment passing a section in a specified period.

Total sediment discharge (tons/day) is the sum of the suspended-sediment discharge and the bed-load discharge. It is the total quantity of sediment, as measured by dry weight or volume, that passes a section during a given time.

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

Sodium adsorption ratio (SAR) is the expression of relative activity of sodium ions in exchange reactions with soil and is an index of sodium or alkali hazard to the soil. This ratio should be known especially for water used for irrigating farmland.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimeter at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water. Commonly, the amount of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). 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 lived.

Natural substrates refers to any naturally occurring emersed or submersed solid surface, such as a rock or tree, upon which an organism lived.

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 multi-plate samplers (made of hardboard) for benthic organism collection, and plexiglass strips for periphyton collection.

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

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

Suspended, 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.

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.

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.....Insecta
Order.....Ephemeroptera
Family.....Ephemeridae
Genus.....Hexagenia
Species.....Hexagenia limbata

```

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the presence of a thermograph or a digital mechanism that automatically records water temperatures on paper tape.

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 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.

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 load (tons) is the total quantity of any individual constituent, as measured by dry mass or volume, that is dissolved in a specific amount of water (discharge) during a given time. It is computed by multiplying the total discharge, times the mg/L of the constituent, times the factor 0.0027, times the number of days.

Total, recoverable, is the amount of a given constituents 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.

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.

Weighted average is used in this report to indicate discharge-weighted average values computed by multiplying the discharge for a sampling period by the concentration 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 1975.

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

DOWNSTREAM ORDER AND STATION NUMBER

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 main-stream station are listed before that station. A station on a tributary that enters between two main-stream 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 on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indentation in a list of stations in the front of the report. Each indentation represents one rank. This downstream order and system of indentation show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. 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 8-digit number for each station such as 03041000, which appears just to the left of the station name, includes the 2-digit part number "03" plus the 6-digit downstream order number "041000".

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

The 8-digit downstream order station numbers are not assigned to wells and miscellaneous sites where only random water-quality samples or discharge measurements are taken.

The well and miscellaneous site numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) identify the wells or other sites within a 1-second grid. See figure 1 below.

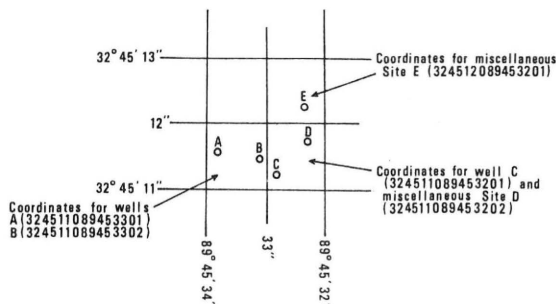


Figure 1.--System for numbering wells and miscellaneous sites (latitude and longitude)

SPECIAL NETWORK AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin. Station 02479155, Cypress Creek near Janice, has been designated as a Hydrologic bench-mark station.

National Stream-Quality Accounting Network (NASQAN) Stations are designed to meet many of the information demands of agencies or groups involved in planning and management on a national or regional scale. The objectives of the Accounting Network are to depict areal variability of water-quality conditions nationwide on a year-by-year basis and to detect and assess stream-quality changes over long terms. Stations 02479020, Pascagoula River near Benndale; 07287120, Yazoo River near Shell Bluff near Morgan City; 07289000, Mississippi River at Vicksburg; 07290000, Big Black River near Bovina; and 07292500, Homochitto River at Rosetta, have been designated as NASQAN stations.

National Water-Quality Surveillance System (NWQSS) Stations are located to bracket major population and industrial centers for the purpose of determining the degree of water-quality degradation and the effectiveness of areawide abatement actions. Stations 07287500, Yazoo River at Yazoo City, and Station 07288800, Yazoo River at Redwood, have been designated as NWQSS stations.

Pesticide program is a network of regularly sampled water-quality stations where additional monthly samples are collected to determine the concentration and distribution of pesticides in streams whose waters are used for irrigation or in streams in areas where potential contamination could result from the application of the commonly used insecticides and herbicides.

Radiochemical program is a network of regularly sampled water-quality stations where additional samples are collected twice a year (at high and low flow) to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from either direct readings on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at selected time intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6.

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

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

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

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

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

For some 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 on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with stations in the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the current water year is shown on the reverse side of the front cover to facilitate finding the day of the week for any date.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the gaging station and the drainage area are obtained from most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD."

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISIONS (WATER YEARS)" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge were revised, that fact is brought out by notations 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 revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

The type of gage currently in use; the datum of the present gage referred to National Geodetic Vertical Datum; and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." National Geodetic Vertical Datum is explained in "DEFINITION OF TERMS" on page 4.

Information pertaining to the accuracy of the discharge records and to conditions which affect the natural flow of the gaging station is given under "REMARKS." For reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir is given under "REMARKS."

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. Under "EXTREMES" are given first, the extremes for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations peak discharges are listed with EXTREMES FOR THE CURRENT YEAR; if they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

The daily table for stream-gaging stations gives the 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 may be 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, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 inches. In the yearly summary below the monthly summary, the figures shown are the appropriate daily discharges for the calendar and water years.

Footnotes to the table of daily discharges are introduced by the word "NOTE." Footnotes are used to indicate periods for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

For gaging stations on lakes and reservoirs the data presented comprise a description of the station and a table showing daily contents. A skeleton table of capacity at given stages is published for all reservoirs.

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 discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations. The tables of partial-record stations are followed by a listing of discharge measurements made at sites other than continuous-record or partial-record stations. Occasionally, a series of discharge measurements are made within a short time period to investigate the seepage gains or losses along a reach of a stream or to determine the low-flow characteristics of an area. Such measurements are also given in special tables following the tables of partial-record stations.

Accuracy of field data and computed results

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

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges is within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 ft³/s; to tenths between 1.0 and 10 ft³/s to whole numbers between 10 and 1,000 ft³/s; to 3 significant figures between 1,000 and 1,000,000 ft³/s and to 4 significant figures above 1,000,000 ft³/s. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures 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 for changes in contents of reservoirs, or for other changes incident to use and control. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or losses are large in comparison with the observed discharge.

Other data available

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

Information on the availability of unpublished data or statistical analyses may be obtained from the district office.

Records of discharge collected by agencies other than the Geological Survey

Records of discharge not published by the Geological Survey were collected in Mississippi at 6 sites during the water year by the following agencies: Records of daily discharge were collected at 5 sites by the Agricultural Research Service, U.S. Department of Agriculture; and at 1 site by the Corps of Engineers, U.S. Army. In addition, records of stage, with periodic discharge observations, were also collected by the Corps of Engineers at approximately 40 additional sites. Information on specific sites can be obtained from the district office of the U.S. Geological Survey at the address given on page II of this report.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and examination of data

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

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

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

Water analysis

Most methods for collection and analyzing water samples are described in the U.S. Geological Survey Techniques of Water-Resources Investigations listed on a following page.

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.

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 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.

Water temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for water-discharge stations. For stations where water temperatures are taken manually once or twice daily, the water temperatures are taken at about the same time each day. Large streams have a small diel 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 loads 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 in predicting long-term sediment-discharge characteristics of the stream.

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

EXPLANATION OF GROUND-WATER LEVEL RECORDS

Collection of the data

Only ground-water level data from a basic national network of observation wells are published herein. These water-level measurements are intended to provide a sampling and historical record of water-level changes in the nation's most important aquifers.

Each well is identified by means of (1) a 15-digit number that is based on the grid system of latitude and longitude, and (2) a local number that is provided for local needs. See figure 1.

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

Water-level measurements in this report are given in feet with reference to land-surface datum (1sd). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above mean sea level is given in the well description. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day and the end of each month (eom).

Water levels are reported to as many significant figures as can be justified by the local conditions. For example, in a measurement of a depth 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 only to a tenth of a foot or a larger unit.

Thirty-four manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing 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) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 1200 South Eads Street, Arlington, VA 22202 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering 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-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.
- 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-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-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-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. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 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 analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, edited by P. E. Greason, T. A. Ehlike, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 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-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 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.
- 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-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

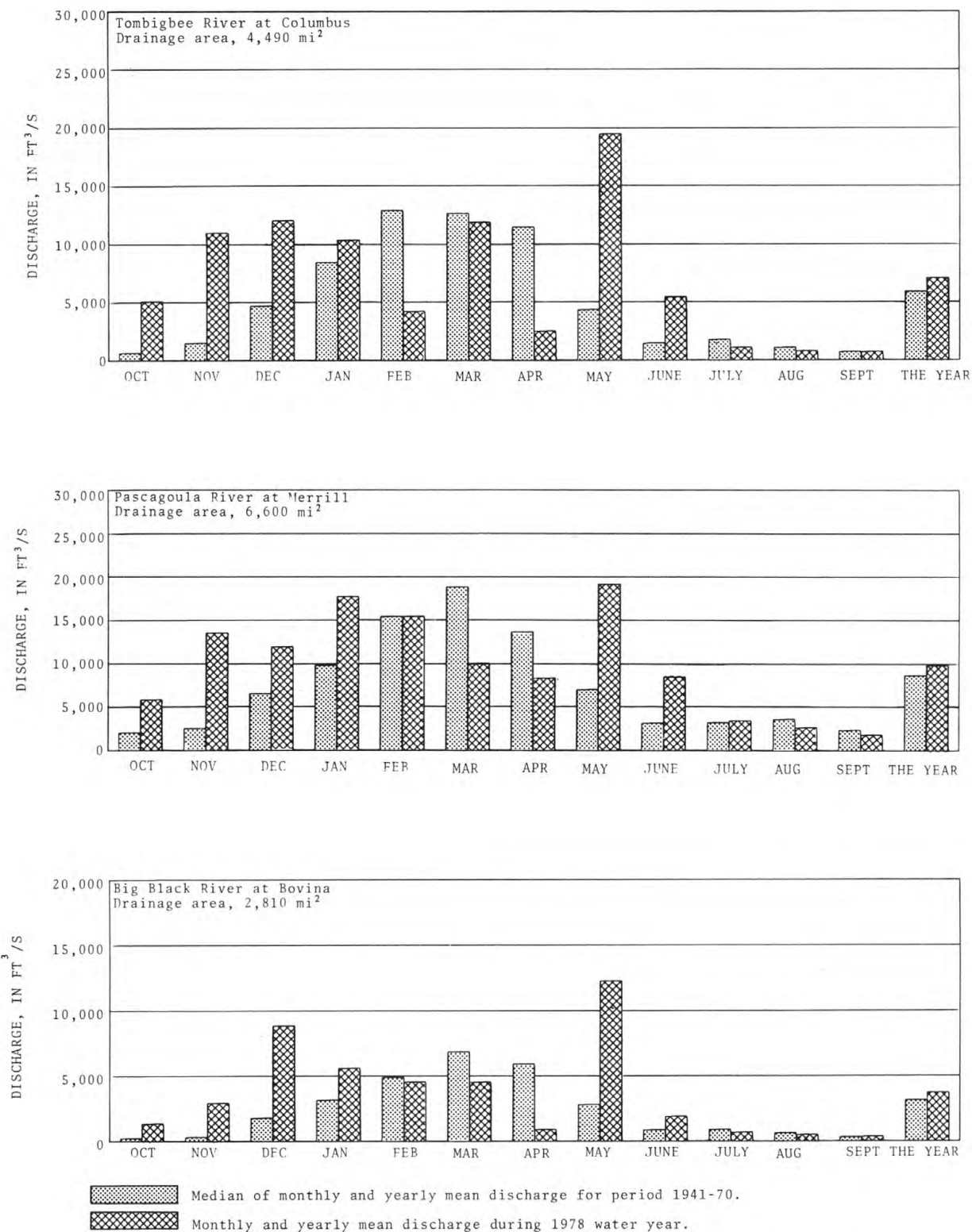


FIGURE 2.--Discharge during 1978 water year compared with median discharge for period 1941-70 for three representative gaging stations.

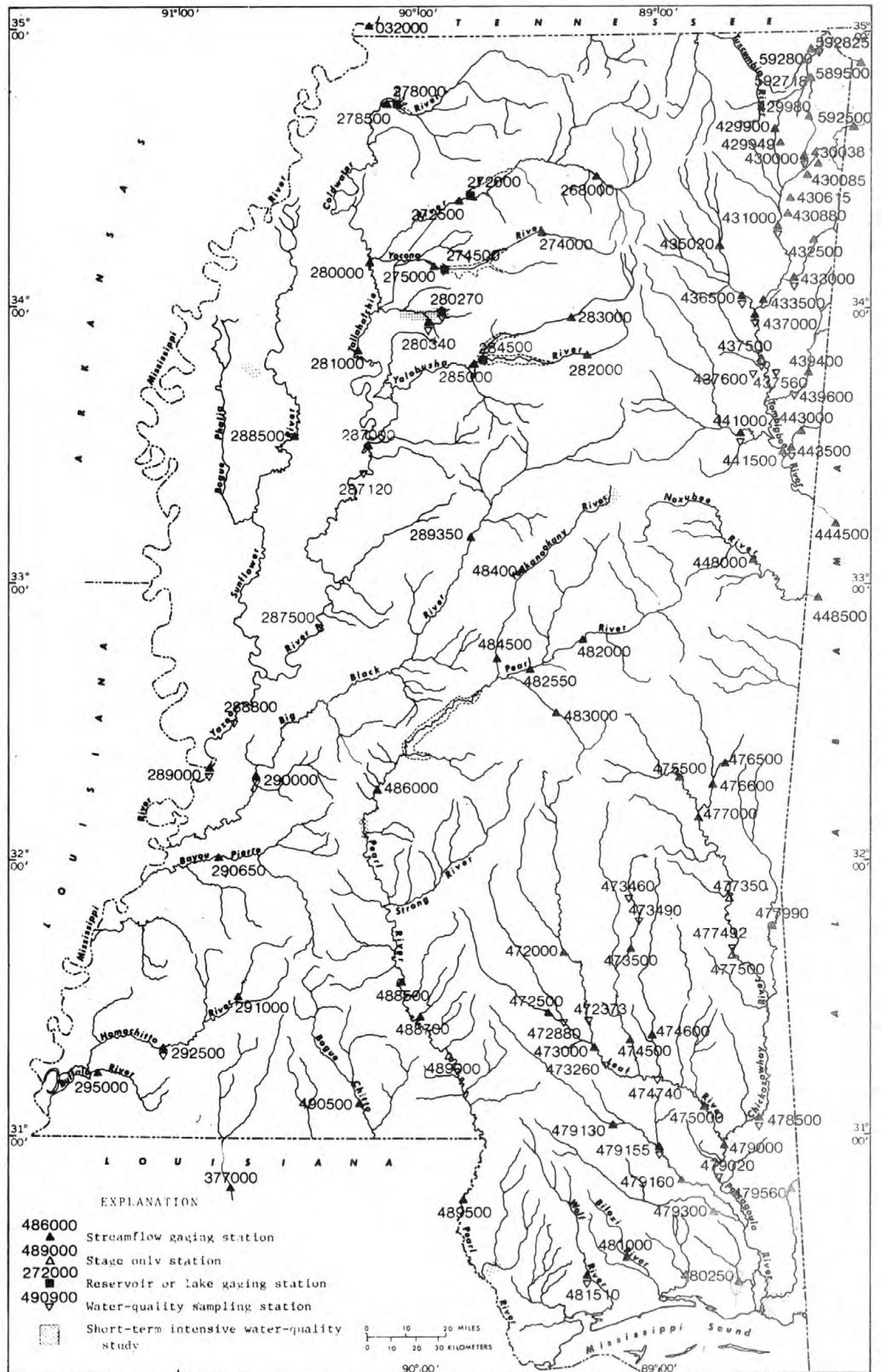


Figure 3. Map showing location of hydrologic data stations.

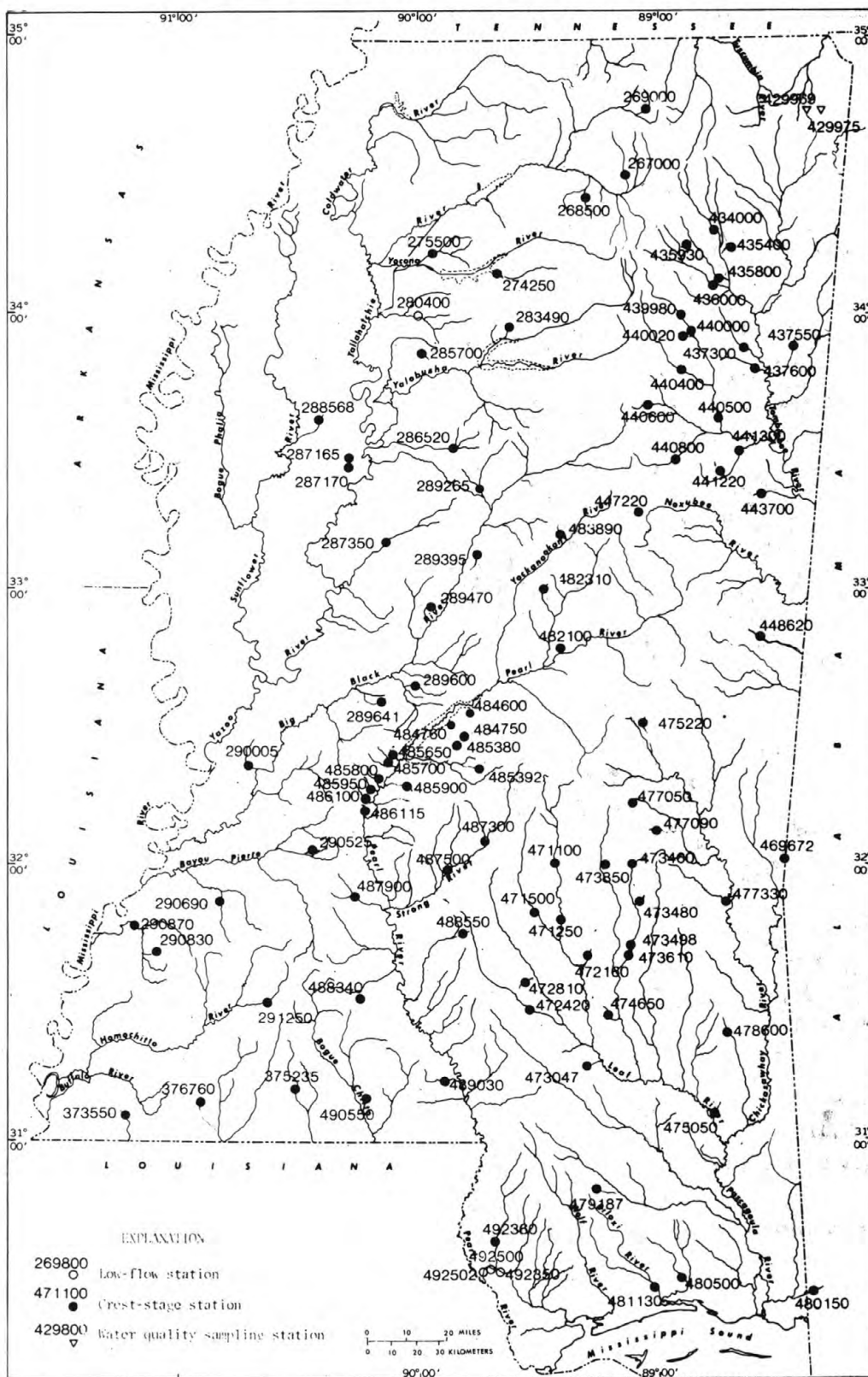
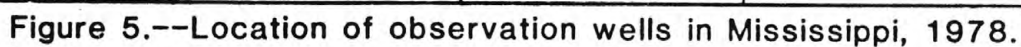


Figure 4.—Map showing location of partial-record stations.



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, near left bank, on downstream side of bridge on county highway, 0.4 mi (0.6 km) downstream from State Highway 30, 2.0 mi (3.2 km) upstream from Martin Creek, and 8 mi (13 km) east of Booneville.

DRAINAGE AREA.--27.0 mi² (69.9 km²).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1952-56, 58-60, 72; annual maximum stages, water years 1953-60, and annual maximum discharge, water years 1961-73. June 1973 to current year.

GAGE.--Water-stage recorder. Datum of gage is 327.01 ft (99.673 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to June 1973, crest-stage gage at site 0.4 mi (0.6 km) upstream at different datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--5 years, 55.1 ft³/s (1.560 m³/s), 27.71 in/yr (704 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,900 ft³/s (110 m³/s) Apr. 17, 1970, gage height, 99.97 ft (30.471 m), site and datum then in use; minimum, 0.16 ft³/s (0.005 m³/s) Sept. 2, 3, 4, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1600 ft³/s (45.3 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Nov. 21	1145	2000 56.6	19.34 5.895	Mar. 14	0330	1710 48.4	17.84 5.438
Nov. 29	1700	1940 54.9	19.15 5.837	May 7	1315	*2200 57.2	19.41 5.916

Minimum discharge, 0.38 ft³/s (0.011 m³/s), part of each day Sept. 12, 13, 24-30, gage height, 3.66 ft (1.116 m).

CORRECTIONS.--The maximum discharge for water year 1977 is 2,140 ft³/s (60.6 m³/s) Mar. 4, 1977, gage height, 19.01 ft (5.794 m); the previously published figure was not the maximum.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.6	17	456	24	54	35	33	112	8.9	3.6	2.0	.69
2	19	15	150	23	52	60	31	52	11	4.4	1.8	.82
3	8.0	48	106	23	47	56	29	55	12	3.1	1.6	.82
4	3.5	38	86	22	44	40	30	204	8.5	3.4	1.5	.69
5	2.4	55	76	22	42	33	28	82	7.6	2.3	1.4	.52
6	2.0	63	58	21	39	30	29	60	8.5	2.3	1.3	.52
7	1.9	40	51	21	38	33	26	1390	135	2.0	1.2	.47
8	63	32	50	119	38	31	26	1150	196	1.9	1.1	.43
9	48	28	64	57	37	103	25	322	47	1.7	1.1	.43
10	17	26	47	42	37	98	25	151	31	8.1	1.0	.43
11	13	23	44	36	36	61	116	107	23	8.9	10	.43
12	9.5	21	43	42	36	54	44	105	18	4.4	6.0	.43
13	7.5	18	47	43	30	102	36	130	15	3.2	4.0	.76
14	6.0	16	68	35	28	719	32	72	12	3.5	3.2	1.3
15	5.1	15	46	31	25	130	31	60	9.6	3.1	2.2	1.0
16	4.4	153	43	61	24	84	31	56	8.5	2.7	1.6	.89
17	3.9	303	80	145	23	63	29	49	7.4	2.4	1.4	1.1
18	3.5	60	65	61	22	53	76	44	8.9	2.0	1.3	.69
19	3.3	42	50	53	21	48	41	43	15	1.9	1.1	.63
20	3.0	46	44	47	21	44	36	37	9.6	1.8	1.0	.52
21	2.8	888	39	43	24	50	33	32	8.3	1.7	.97	.47
22	2.7	185	35	41	23	44	30	27	7.4	1.6	.82	.47
23	2.5	88	35	43	22	39	29	27	6.8	1.6	.76	.43
24	7.2	64	37	233	21	48	48	23	6.5	1.5	.76	.38
25	323	50	38	444	20	62	69	19	5.7	1.5	.69	.38
26	56	40	25	236	19	41	40	19	5.2	1.5	.69	.38
27	40	51	24	110	19	38	31	18	4.7	1.6	.63	.38
28	30	49	23	84	45	37	27	13	4.6	1.8	.63	.38
29	25	823	23	68	---	36	25	14	4.4	1.7	.58	.38
30	22	868	43	60	---	37	25	20	4.4	1.6	.63	.43
31	19	---	26	56	---	37	---	12	---	2.2	.63	---
TOTAL	762.8	4165	2022	2346	887	2346	1111	4505	650.5	85.0	53.59	17.65
MEAN	24.6	139	65.2	75.7	31.7	75.7	37.0	145	21.7	2.74	1.73	.59
MAX	323	888	456	444	54	719	116	1390	196	8.9	10	1.3
MIN	1.9	15	23	21	19	30	25	12	4.4	1.5	.58	.38
CFSM	.91	5.15	2.42	2.80	1.17	2.80	1.37	5.37	.80	.10	.06	.02
IN.	1.05	5.74	2.79	3.23	1.22	3.23	1.53	6.21	.90	.12	.07	.02

CAL YR 1977 TOTAL 16080.53 MEAN 44.1 MAX 1180 MIN .16 CFSM 1.63 IN 22.15
WTR YR 1978 TOTAL 18951.54 MEAN 51.9 MAX 1390 MIN .38 CFSM 1.92 IN 26.11

02429949 LITTLE BROWN CREEK NEAR NEW SITE, MS

LOCATION.--Lat 34°32'14", long 88°24'02", in NW¼ sec.30, T.6 S., R.9 E., Chickasaw Meridian, Prentiss County, Hydrologic Unit 03160101, at right bank on downstream side of bridge on State Highway 4, 1.8 mi (2.9 km) southwest of New Site, and 5.2 mi (8.4 km) upstream from West Canal Little Brown Creek. Records include flow in West Canal Little Brown Creek.

DRAINAGE AREA.--42.1 mi² (109 km²) combined drainage area of all channels.

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

GAGE.--Water-stage recorder. Datum of gage on main channel is 312.64 ft (95.293 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Water-stage recorder on West Canal Little Brown Creek, 0.2 mi (0.3 km) northwest of base gage.

REMARKS.--Records good. Discharge computed by combining the flow of individually rated channels.

AVERAGE DISCHARGE.--5 years, 81.1 ft³/s (2.297 m³/s), 26.16 in/yr (664 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,240 ft³/s (120 m³/s) Mar. 13, 1975, gage height, 13.86 ft (4.224 m); minimum daily, 6.8 ft³/s (0.193 m³/s) Sept. 4, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,600 ft³/s (45.3 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Nov. 30	0600	1840 52.1	12.63 3.850	May 7	1700	*4120 117	13.74 4.188

Minimum daily discharge, 7.2 ft³/s (0.20 m³/s) Aug. 8, Sept. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	34	692	52	68	49	44	147	29	23	13	8.7
2	37	33	196	46	66	67	41	72	27	19	13	8.9
3	25	71	124	44	60	102	39	60	26	46	10	8.6
4	21	62	104	43	57	59	39	123	25	19	12	8.2
5	17	71	96	44	55	49	39	78	24	16	12	7.8
6	14	163	80	53	51	47	37	61	23	15	10	7.4
7	13	76	67	50	48	49	35	2180	238	13	10	7.4
8	141	56	63	184	47	49	33	1480	216	13	10	7.3
9	100	48	97	118	47	111	32	709	91	12	11	7.2
10	44	40	66	73	46	153	31	157	55	15	11	7.3
11	32	36	59	59	45	92	82	102	42	27	11	7.5
12	26	33	58	64	45	84	48	92	34	17	11	8.6
13	24	32	58	71	56	90	40	203	30	14	39	14
14	22	31	80	58	49	1020	35	87	26	14	18	14
15	22	32	62	50	44	261	33	62	23	14	12	11
16	20	214	57	70	43	125	32	51	22	13	11	9.9
17	20	468	103	241	42	96	30	46	21	12	10	9.7
18	21	135	121	106	42	81	58	43	20	12	9.7	9.0
19	19	82	79	89	41	74	39	40	58	11	9.3	8.7
20	18	66	65	79	39	66	33	36	27	11	8.8	8.5
21	18	858	56	70	40	63	31	35	23	11	8.5	8.4
22	18	735	51	68	39	61	30	33	22	10	8.1	8.4
23	17	145	49	68	40	56	30	32	21	10	7.9	8.6
24	21	97	55	267	39	54	31	31	21	10	7.8	8.5
25	514	76	67	452	38	135	43	29	19	21	7.6	8.3
26	171	61	49	444	37	80	34	28	18	15	7.7	8.2
27	80	71	47	157	36	68	30	26	17	12	7.6	8.4
28	56	88	44	107	59	58	27	29	17	14	7.2	8.6
29	45	740	44	87	---	52	26	33	16	11	7.6	8.6
30	39	1440	74	76	---	48	27	38	16	11	8.4	8.8
31	36	---	58	71	---	46	---	30	---	10	8.0	---
TOTAL	1672	6094	2921	3461	1319	3445	1109	6173	1247	471	338.2	264.5
MEAN	53.9	203	94.2	112	47.1	111	37.0	199	41.6	15.2	10.9	8.82
MAX	514	1440	692	452	68	1020	82	2180	238	46	39	14
MIN	13	31	44	43	36	46	26	26	16	10	7.2	7.2
CFSM	1.28	4.82	2.24	2.66	1.12	2.64	.88	4.73	.99	.36	.26	.21
IN.	1.48	5.38	2.58	3.06	1.17	3.04	.98	5.45	1.10	.42	.30	.23

CAL YR 1977 TOTAL 26785.1 MEAN 73.4 MAX 2010 MIN 6.8 CFSM 1.74 IN 23.67
WTR YR 1978 TOTAL 28514.7 MEAN 78.1 MAX 2180 MIN 7.2 CFSM 1.86 IN 25.20

MOBILE RIVER BASIN

02429980 POLLARD MILL BRANCH NEAR 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, at culvert on State Highway 30, 0.8 mi (1.3 km) east of Paden.

DRAINAGE AREA.--2.05 mi² (5.31 km²).

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

GAGE.--Water-stage recorder and culvert control. Altitude of gage is 440 ft (134 m) from topographic map.

REMARKS.--Records good.

AVERAGE DISCHARGE.--6 years, 7.59 ft³/s (0.215 m³/s), 50.28 in/yr (1277 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 445 ft³/s (12.6 m³/s) Mar. 16, 1973, gage height, 5.65 ft (1.722 m), from rating extended above 20 ft³/s (0.57 m³/s) on basis of computation of peak flow through culvert; minimum, 2.6 ft³/s (0.074 m³/s) Oct. 13, 1973; minimum gage height, 2.36 ft (0.719 m) Oct. 24-27, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 300 ft³/s (8.50 m³/s) Nov. 21, gage height, 4.78 ft (1.457 m) from rating extended above 20 ft³/s (0.57 m³/s) on basis of computation of peak flow through culvert; minimum, 2.7 ft³/s (0.076 m³/s) Aug. 27, minimum gage height, 2.42 ft (0.738 m) Apr. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR BEGINNING 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	4.2	28	6.0	5.0	4.2	5.0	20	3.8	3.8	3.4	3.8
2	15	4.2	11	5.5	5.0	7.8	5.0	5.5	3.8	5.0	3.4	3.8
3	5.5	9.1	9.1	5.0	4.6	6.6	5.0	6.6	3.8	4.2	3.4	3.8
4	5.0	6.6	7.8	5.0	4.6	4.6	5.0	12	3.4	5.5	3.4	3.4
5	4.6	11	11	5.0	4.6	4.6	4.6	5.5	3.4	4.6	3.8	3.4
6	4.6	7.8	7.2	5.0	4.2	4.6	4.6	4.6	4.2	4.2	3.4	3.0
7	4.6	5.5	6.6	5.2	4.2	4.6	4.6	106	26	3.8	3.4	3.0
8	26	5.0	6.6	5.4	4.2	4.2	4.6	78	15	7.2	4.2	3.0
9	11	4.6	9.1	8.0	4.2	11	4.6	22	7.2	5.0	3.8	3.0
10	6.6	4.2	6.0	5.0	4.2	7.2	4.6	9.1	5.0	7.6	6.6	3.0
11	6.0	4.2	6.0	4.2	4.2	4.6	11	6.6	4.6	4.2	4.2	3.4
12	5.0	4.2	6.0	5.0	4.2	4.6	5.0	7.2	4.6	3.8	4.2	3.4
13	5.0	4.2	6.0	5.5	5.5	18	5.0	11	4.6	22	4.6	8.4
14	4.6	4.2	7.2	5.0	4.2	4.6	4.6	5.5	4.6	6.0	3.8	3.8
15	4.6	3.8	6.2	4.6	4.2	11	4.6	5.5	4.2	4.6	3.8	4.6
16	4.6	17	6.0	9.8	4.2	8.4	4.2	5.5	4.2	4.2	3.8	3.0
17	4.6	24	18	11	4.2	7.8	4.2	5.0	4.2	4.2	3.8	3.0
18	4.2	6.6	9.8	5.5	4.2	7.2	7.8	5.0	4.2	3.8	3.4	3.0
19	4.2	5.5	7.2	5.5	5.8	6.0	4.6	5.0	4.2	3.8	3.4	3.0
20	4.2	5.0	6.0	5.5	5.8	6.0	4.6	4.6	4.6	3.8	3.4	3.0
21	3.8	84	5.5	5.0	4.2	6.6	4.2	4.2	4.6	3.8	3.4	3.0
22	3.8	18	6.0	5.0	5.8	6.0	4.2	4.2	4.2	3.8	3.4	3.0
23	3.8	11	5.5	5.0	4.2	6.0	4.6	4.2	4.6	3.4	3.4	3.0
24	5.5	9.8	6.6	16	3.8	6.0	9.1	3.8	4.2	3.4	3.4	3.0
25	40	8.4	6.6	26	5.8	7.8	6.6	3.8	4.2	3.4	3.4	3.0
26	7.8	7.8	5.5	12	3.8	6.0	5.0	3.8	5.8	3.8	3.4	3.0
27	6.0	11	5.5	7.8	5.8	6.0	4.6	3.8	5.8	3.8	3.0	3.0
28	6.0	9.8	5.5	6.0	6.0	5.5	4.6	3.8	5.8	3.8	3.0	3.0
29	5.5	77	5.5	5.5	---	5.5	4.2	4.2	3.8	3.4	3.4	3.0
30	4.2	43	7.2	5.0	---	5.0	8.4	4.2	5.8	3.4	3.8	3.0
31	4.6	---	6.0	5.0	---	4.6	---	3.4	---	3.4	3.8	---
TOTAL	226.4	420.7	246.0	215.0	120.7	244.0	158.7	373.6	160.4	150.7	114.6	101.8
MEAN	7.30	14.0	7.94	6.94	4.31	7.87	5.29	12.1	5.35	4.86	3.70	3.39
MAX	40	84	28	26	6.0	46	11	106	26	22	6.6	8.4
MIN	3.8	3.8	5.5	4.2	3.8	4.2	4.2	3.4	3.4	3.4	3.0	3.0
CFSM	3.56	6.83	3.87	3.39	2.10	3.84	2.58	5.90	2.61	2.37	1.81	1.65
IN.	4.11	7.63	4.46	3.90	2.19	4.43	2.88	6.78	2.91	2.73	2.08	1.85

CAL YR 1977 TOTAL 2478.5 MEAN 6.79 MAX 84 MIN 2.7 CFSM 3.31 IN 44.95
WTR YR 1978 TOTAL 2552.6 MEAN 6.94 MAX 106 MIN 3.0 CFSM 3.39 IN 45.44

02430000 MACKEYS CREEK NEAR DENNIS, MS

LOCATION.--Lat 34°31'34", long 88°19'22", in NE¼SW¼ sec.26, T.6 S., R.9 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, on left bank at downstream side of old crossing 0.1 mi (0.2 km) downstream from bridge on State Highway 4 at Narrows dam site, 6 mi (10 km) southwest of Dennis, and 10 mi (16 km) upstream from confluence with Big Brown Creek.

DRAINAGE AREA.--66.8 mi² (173 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1937 to current year. Prior to January 1944, monthly discharge only, published in WSP 1304. Prior to October 1966, published as Mackys Creek near Dennis.

REVISED RECORDS.--WSP 1504: 1939-40(M), 1944-46(M), 1948, 1949(P), 1950(M), 1951. WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 333.47 ft (101.642 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 15, 1948, nonrecording gage at same site and datum.

REMARKS.--Records good. Flow may have been augmented due to ground-water pumpage since March 1977.

AVERAGE DISCHARGE.--41 years, 107 ft³/s (3.030 m³/s), 21.75 in/yr (552 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 16,300 ft³/s (462 m³/s) Mar. 21, 1955, gage height, 28.44 ft, (8.669 m), from rating curve extended above 6,700 ft³/s (190 m³/s) on basis of slope-area measurement of peak flow; minimum since Jan. 1, 1944, 8.2 ft³/s (0.23 m³/s) Sept. 3, 4, 5, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,500 ft³/s (42.5 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	(m ³ /s)	Gage height (ft)	(m)	Date	Time	Discharge (ft ³ /s)	(m ³ /s)	Gage height (ft)	(m)
Nov. 22	0215	1980	56.1	14.57	4.441	Mar. 14	1600	1980	56.1	14.55	4.435
Nov. 30	0615	2000	56.6	14.64	4.462	Apr. 7	2130	*4040	114	19.10	5.822

Minimum discharge, 29 ft³/s (0.82 m³/s) Sept. 10, gage height, 2.33 ft (0.710 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	97	78	956	100	116	112	95	148	71	57	33	39
2	95	76	447	95	116	107	91	130	71	55	38	40
3	111	109	233	83	108	190	87	105	72	59	36	39
4	72	158	184	80	104	198	83	191	67	50	34	39
5	65	145	148	83	101	171	81	140	64	46	39	36
6	60	259	134	94	95	88	83	108	62	46	38	35
7	58	188	119	97	95	90	80	1830	322	43	35	33
8	181	119	115	174	94	95	77	2570	698	43	36	33
9	353	100	154	253	94	154	82	1710	214	44	43	31
10	141	91	134	131	92	244	74	392	118	49	42	30
11	88	80	110	101	88	159	146	186	92	88	49	33
12	76	77	106	105	86	142	113	153	82	77	45	35
13	68	74	105	122	104	142	88	373	73	56	67	50
14	64	74	122	107	110	1400	79	183	67	76	76	82
15	63	74	115	95	90	728	77	133	65	60	50	52
16	60	156	105	100	87	227	77	112	58	53	43	44
17	58	138	122	501	85	164	74	110	63	49	40	41
18	57	365	208	173	83	148	125	105	59	45	38	38
19	56	156	143	127	83	156	112	115	113	42	36	36
20	56	115	115	124	84	122	85	105	82	41	34	34
21	54	579	113	110	85	115	77	97	73	40	36	34
22	55	1330	101	107	83	116	77	88	70	39	34	32
23	53	347	92	104	88	112	81	86	67	39	33	33
24	53	193	95	210	85	109	80	81	65	38	32	34
25	353	151	153	456	79	150	143	76	63	48	31	34
26	472	125	125	611	77	118	103	73	63	55	43	34
27	164	124	100	274	77	108	82	76	54	45	40	34
28	113	174	87	166	108	104	76	75	51	42	36	36
29	95	453	86	136	---	101	71	92	51	37	35	37
30	86	1600	118	126	---	96	74	90	53	35	37	36
31	82	---	115	119	---	96	---	80	---	34	37	---
TOTAL	3459	7968	5040	4944	2594	6002	2673	9813	3123	1531	1246	1144
MEAN	112	266	163	159	92.6	194	89.1	317	104	49.4	40.2	38.1
MAX	472	1600	956	611	116	1400	146	2570	698	88	76	82
MIN	53	74	86	80	77	88	71	73	51	34	31	30
CFSM	1.68	3.98	2.44	2.58	1.39	2.90	1.33	4.75	1.56	.74	.60	.57
IN.	1.93	4.44	2.81	2.75	1.44	3.34	1.49	5.46	1.74	.85	.69	.64

CAL YR 1977 TOTAL 45686 MEAN 125 MAX 2210 MIN 25 CFSM 1.87 IN 25.44
WTR YR 1978 TOTAL 49537 MEAN 136 MAX 2570 MIN 30 CFSM 2.04 IN 27.59

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1960, 1972 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: July 1973 to current year.

pH: July 1973 to current year.

WATER TEMPERATURE: July 1973 to current year.

TURBIDITY: November 1974 to current year.

DISSOLVED OXYGEN: July 1973 to current year.

SUSPENDED SEDIMENT CONCENTRATION: November 1977 to current year.

SUSPENDED SEDIMENT DISCHARGE: November 1977 to current year.

INSTRUMENTATION.--Water-quality monitor since July 1973. Automatic pumping sediment sampler since November 1977.

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

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 89 micromhos May 8, 1975; minimum, 20 micromhos Apr. 26, 1975, Mar 12, 1977.

pH: Maximum, 7.8 units Oct. 26, 1973; minimum, 4.5 units May 12, 1974.

WATER TEMPERATURES: Maximum, 28.5°C July 7, 8, 1977; minimum, 1.5°C Dec. 5, 1974, Feb. 2, 1977.

TURBIDITY: Maximum, 250 NTU June 18, 1976; minimum, 3 NTU on many days in water year 1975, Apr. 13, 1977.

DISSOLVED OXYGEN: Maximum, 14.0 mg/L Dec. 5, 1974; minimum, 2.7 mg/L Nov. 23, 1973.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 103 micromhos July 13; minimum, 26 micromhos May 6.

pH: Maximum, 6.6 units July 17, Sep. 20; minimum, 4.8 units May 8.

WATER TEMPERATURES: Maximum, 29.5°C June 28, 29; minimum, 0.5°C Jan. 11, 20, 21, 28, 29, Feb. 6-8.

TURBIDITY: Maximum, 950 NTU July 11; minimum, 20 NTU Nov. 15-17, July 13.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANFOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- CORALT UNITS)	TUR- RID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	
OCT											
04...	0815	76	44	6.3	16.0	110	45	8.7	25	.7	
NOV											
08...	0815	122	40	6.0	16.5	130	30	7.3	15	2.7	
DEC											
07...	0930	119	33	6.1	5.0	7	30	10.4	13	3.2	
JAN											
04...	0945	80	35	6.3	1.5	65	5.0	12.9	10	3.0	
FEB											
14...	1000	110	40	5.9	5.5	80	30	12.0	7	3.2	
MAR											
08...	0900	94	42	5.9	9.0	80	35	10.4	7	2.0	
APR											
04...	0900	82	38	6.1	19.5	120	90	8.5	10	2.6	
MAY											
07...	1000	130	54	6.1	16.5	60	90	7.8	15	--	
31...	0915	80	42	5.8	23.0	250	55	7.5	15	2.5	
JUL											
12...	0900	81	123	5.0	24.5	10	95	7.4	49	--	
AUG											
09...	1330	50	42	5.9	23.5	200	90	7.3	8	1.8	
SEP											
06...	1130	38	52	5.9	22.5	400	75	7.8	5	2.9	
DATE		OXYGEN DEMAND, BIO- CHEM- ICAL 30 DAY (MG/L)	COLI- FORM, TOTAL, TMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CAC03)
OCT											
04...	4.8	900	<14	12	4	3.0	1.2	10	0	8	
NOV											
08...	--	400	<7	12	1	2.8	1.1	13	0	11	
DEC											
07...	--	360	<7	7	0	1.8	.7	15	0	12	
JAN											
04...	--	230	<7	10	2	2.6	.9	10	0	8	
FEB											
14...	--	K160	K60	10	1	2.7	.9	12	0	10	
MAR											
08...	--	190	<4	9	3	2.3	.9	8	0	7	
APR											
04...	--	170	170	10	0	2.6	.9	13	0	11	
MAY											
07...	--	--	--	18	6	4.8	1.4	14	0	11	
31...	--	320	150	15	0	3.9	1.2	22	0	18	
JUL											
12...	--	460	360	40	37	10	3.6	4	0	3	
AUG											
09...	--	250	420	13	7	3.5	1.0	7	0	6	
SEP											
06...	--	390	K170	16	8	4.4	1.2	10	0	8	

02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 04...	8.0	11	1.5	44	.06	9.03	.05	.02	.07
NOV 08...	21	7.1	3.5	46	.06	15.2	.05	.01	.06
DEC 07...	19	5.3	2.4	36	.05	11.6	.09	.01	.10
JAN 04...	8.0	4.7	1.9	27	.04	5.83	.10	.01	.11
FEB 14...	24	6.4	1.8	34	.05	10.1	.13	.02	.15
MAR 08...	16	5.1	1.9	34	.05	8.63	.07	.02	.09
APR 04...	17	6.6	1.9	42	.06	9.30	.03	.03	.06
MAY 02...	18	14	.8	42	.06	14.7	.06	.03	.09
31...	56	6.3	2.5	50	.07	10.8	.06	.02	.08
JUL 12...	64	45	2.2	102	.14	22.3	.15	.01	.16
AUG 09...	14	7.7	2.0	42	.06	5.67	.06	.04	.10
SEP 06...	20	7.9	2.0	52	.07	5.34	.05	.02	.07

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 04...	.04	.35	.39	.46	2.0	.01	.03	<.5	10
NOV 08...	.01	.29	.30	.36	1.6	.04	.01	<.5	9.8
DEC 07...	.07	.32	.39	.49	2.2	.05	.02	<.5	12
JAN 04...	.05	.17	.22	.33	1.5	.02	.01	<.5	8.0
FEB 14...	.04	.10	.14	.29	1.3	.03	.00	<.5	1.2
MAR 08...	.02	.44	.46	.55	2.4	.03	.00	<.5	6.4
APR 04...	.03	.38	.41	.47	2.1	.08	.01	<.5	9.3
MAY 02...	.06	.41	.47	.56	2.5	.11	.01	<.5	7.5
31...	.04	.35	.39	.47	2.1	.08	.05	<.5	8.7
JUL 12...	.11	.38	.49	.65	2.9	.11	.00	.5	8.1
AUG 09...	.04	.54	.58	.68	3.0	.07	.07	<.5	7.8
SEP 06...	.02	.33	.35	.42	1.9	.06	.03	<.5	3.7

DATE	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PR)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	PHENOLS (UG/L)
OCT 04...	1	0	10	11	5100	33	310	30	0
JAN 04...	1	1	<10	4	1900	12	160	20	1
APR 04...	1	1	30	6	6700	18	150	20	0
JUL 12...	0	0	30	4	13000	20	900	40	0

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	PCR, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDO, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)
JAN 04...	.0	.00	.00	.0	.00	.00	.00	.00	.00
JUL 12...	.0	.00	.00	.	.00	.00	.00	.00	.00

DATE	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HFPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
JAN 04...	--	.00	.00	.00	.00	.00	.00	--	.00
JUL 12...	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIXED, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JAN 04...	.00	.00	.00	0	.00	.00	.00	.00
JUL 12...	.00	.00	.00	0	.00	.00	.00	.00

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDED (MG/L)	SFDI- MFNT DIS- CHARGE, SUS- PENDED (T/DAY)	DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MFNT DIS- CHARGE, SUS- PENDED (T/DAY)
OCT					MAY				
04...	0845	74	47	9.4	03...	1500	106	288	82
11...	1430	84	42	9.5	04...	1530	232	152	95
NOV					07...	1810	3390	390	3570
08...	0815	122	27	8.9	08...	0900	2400	241	1560
16...	1010	76	52	11	08...	1640	2000	81	437
17...	0920	432	27	31	12...	1430	154	110	46
21...	1030	507	124	170	18...	1500	101	60	16
21...	1310	599	114	184	26...	1535	72	42	8.2
21...	1515	629	100	170	JUN				
22...	1040	1500	124	502	05...	1500	64	64	11
22...	1400	1140	86	265	07...	1120	246	480	319
23...	1130	325	54	47	09...	0820	208	46	26
23...	1500	284	15	12	14...	1515	72	12	2.3
30...	1130	1730	198	925	22...	1015	71	15	2.9
JAN					JUL				
05...	0945	82	47	10	04...	1020	51	38	5.2
18...	1030	164	60	27	10...	1345	50	456	62
24...	1500	246	58	39	11...	0945	92	253	63
25...	1140	433	89	104	JUL				
31...	1130	119	14	4.5	13...	1530	53	39	5.6
MAR					20...	1730	41	17	1.9
07...	1120	88	12	2.9	27...	1550	43	113	13
23...	0815	113	45	14	AUG				
APR					10...	1500	44	35	4.2
05...	1045	82	19	4.2	SEPT				
18...	0950	110	86	26	07...	1030	32	64	5.5
21...	1145	76	47	9.6	15...	1515	29	28	2.2
					27...	1520	41	79	8.7

02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	51	47	49	42	41	41	32	29	31	36	35	36
2	48	45	46	42	41	42	---	---	---	36	36	36
3	51	46	49	42	40	41	31	30	31	36	35	36
4	46	45	45	55	39	46	32	31	31	36	36	36
5	46	44	45	56	47	51	33	31	32	36	35	35
6	48	45	48	54	44	48	34	32	33	34	34	34
7	48	47	47	43	41	42	33	33	33	34	33	34
8	47	35	41	41	40	41	34	33	33	34	30	32
9	---	---	---	41	40	41	34	32	33	50	32	46
10	---	---	---	42	41	42	37	34	35	45	38	40
11	---	---	---	42	42	42	35	34	35	38	36	37
12	39	39	39	42	41	41	35	34	35	36	34	35
13	39	38	38	41	40	41	34	34	34	34	33	34
14	39	38	38	41	40	40	34	33	33	35	34	34
15	38	38	38	40	40	40	36	34	35	---	---	---
16	38	37	37	40	36	38	36	35	35	---	---	---
17	37	37	37	50	35	43	35	32	34	---	---	---
18	37	36	37	---	---	---	46	32	39	45	41	43
19	37	36	36	---	---	---	43	36	39	40	38	39
20	37	35	36	---	---	---	36	35	35	38	37	37
21	37	36	36	---	---	---	35	34	35	38	36	37
22	37	36	36	---	---	---	34	34	34	---	---	---
23	36	36	36	33	31	32	34	34	34	---	---	---
24	36	35	36	34	33	34	34	33	34	---	---	---
25	52	33	37	34	34	34	33	32	33	39	34	34
26	58	51	56	35	34	35	34	33	34	36	32	32
27	50	46	48	35	34	35	35	34	34	32	32	32
28	45	41	43	40	34	36	35	34	35	33	31	31
29	41	40	41	---	---	---	35	35	35	33	32	32
30	40	40	40	31	28	29	35	33	34	33	32	32
31	41	40	41	---	---	---	35	34	35	32	32	32
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	33	32	32	38	35	37	39	36	37	74	36	47
2	33	32	32	39	35	37	39	38	38	60	53	56
3	34	32	33	46	35	39	38	36	37	55	48	53
4	37	33	35	51	46	50	38	36	36	60	45	52
5	39	37	38	54	45	49	37	34	35	51	45	48
6	42	39	40	47	39	43	37	35	36	44	26	37
7	43	42	42	---	---	---	38	35	37	---	---	---
8	45	43	44	44	38	40	38	36	37	32	27	30
9	45	42	43	47	42	45	38	36	37	32	30	31
10	44	41	42	50	42	46	39	36	38	32	30	31
11	46	39	43	52	41	47	53	35	38	---	---	---
12	44	39	41	40	37	38	52	38	42	---	---	---
13	41	38	39	38	37	37	39	35	37	36	28	32
14	45	42	44	---	---	---	37	34	35	36	35	35
15	43	41	42	---	---	---	39	36	37	39	36	38
16	41	39	40	---	---	---	43	38	40	41	39	40
17	41	38	40	33	31	32	40	37	38	43	32	36
18	43	39	41	35	32	34	38	34	36	34	33	34
19	44	42	43	35	32	33	39	36	38	35	33	34
20	47	41	44	33	30	32	36	34	35	38	35	37
21	44	40	43	31	30	31	40	34	37	41	37	39
22	47	38	44	32	30	31	38	34	36	41	39	40
23	42	38	40	32	31	32	39	36	38	40	37	39
24	42	36	39	33	31	32	39	36	38	41	39	40
25	40	35	37	48	32	36	78	34	48	41	38	40
26	39	36	37	47	39	43	47	43	44	41	39	40
27	42	37	40	40	39	39	43	41	42	42	39	40
28	37	35	36	40	36	38	42	38	39	42	41	42
29	---	---	---	37	34	35	43	40	42	---	---	---
30	---	---	---	35	33	34	41	38	39	43	41	42
31	---	---	---	36	33	34	---	---	---	44	40	42

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	42	40	41	46	43	45	45	42	43	48	47	48
2	44	40	42	47	43	45	51	42	45	50	46	48
3	44	41	42	47	39	43	53	48	50	49	46	47
4	42	39	41	48	43	46	49	45	47	50	49	49
5	43	40	41	45	43	44	49	44	46	50	47	49
6	44	41	43	47	43	45	46	42	44	49	47	48
7	41	29	34	48	43	46	47	44	44	---	---	---
8	36	31	33	45	43	44	46	41	43	---	---	---
9	55	36	48	45	43	44	---	---	---	---	---	---
10	57	51	54	50	43	45	---	---	---	---	---	---
11	51	46	47	---	---	---	46	40	43	---	---	---
12	45	43	44	---	---	---	43	40	42	---	---	---
13	46	41	44	103	72	85	44	38	42	---	---	---
14	52	44	44	88	48	65	70	43	49	---	---	---
15	53	45	48	65	61	63	74	55	64	57	43	44
16	45	43	44	64	57	59	55	47	50	42	38	40
17	45	42	43	63	51	58	48	47	48	39	38	39
18	45	42	44	53	50	51	48	47	48	40	39	39
19	42	37	40	52	44	50	50	48	49	40	38	39
20	42	38	40	53	47	50	57	48	49	39	36	38
21	43	41	42	54	47	52	50	48	49	39	36	38
22	44	41	42	56	47	51	49	49	49	40	39	40
23	43	41	42	52	44	47	50	49	50	40	38	39
24	42	40	41	50	44	46	51	48	50	38	35	37
25	42	39	41	46	39	42	50	48	49	39	38	38
26	45	40	43	51	39	43	52	46	48	39	37	38
27	45	42	44	43	39	41	49	47	48	37	33	35
28	45	42	44	45	43	44	50	49	49	34	34	34
29	44	41	42	46	42	44	50	49	49	51	48	50
30	48	43	45	46	43	44	49	48	49	51	49	50
31	---	---	---	45	42	44	49	47	48	---	---	---

PH (UNITS), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	5.7	5.6	6.1	6.0	5.4	5.1	6.2	6.1	6.0	5.9	6.1	6.1
2	5.9	5.8	6.1	6.1	5.5	5.4	6.3	6.2	6.0	6.0	6.1	6.0
3	5.8	5.7	6.1	6.0	5.6	5.5	6.3	6.3	6.2	6.0	6.0	6.0
4	6.0	5.8	6.0	5.9	5.7	5.6	6.3	6.3	6.1	6.1	6.2	6.0
5	6.0	6.0	6.0	5.9	5.8	5.7	6.3	6.1	6.1	6.0	6.2	6.1
6	6.0	6.0	5.9	5.7	5.9	5.7	6.2	6.0	6.1	6.0	6.3	6.2
7	6.0	6.0	5.8	5.7	6.0	5.9	6.1	6.1	6.2	6.1	---	---
8	6.1	5.8	6.0	5.8	6.1	6.0	6.1	5.8	6.2	6.1	6.1	6.0
9	---	---	6.1	6.0	6.1	6.0	5.9	5.7	6.2	6.1	6.0	5.9
10	---	---	6.2	6.1	6.1	6.0	6.0	5.8	6.2	6.1	6.0	5.7
11	---	---	6.2	6.1	6.2	6.1	6.1	6.0	6.2	6.1	5.8	5.8
12	6.0	5.8	6.3	6.2	6.2	6.1	6.1	6.0	6.2	6.1	5.9	5.8
13	6.0	6.0	6.3	6.3	6.2	6.1	6.1	6.0	6.2	6.0	5.9	5.6
14	6.1	6.0	6.3	6.3	6.1	6.0	6.1	6.0	6.1	6.1	---	---
15	6.1	6.1	6.3	6.3	6.0	6.0	6.1	6.1	6.1	6.0	---	---
16	6.2	6.1	6.3	5.9	6.1	6.0	---	---	6.1	6.1	---	---
17	6.2	6.1	---	---	6.1	6.0	---	---	6.1	6.0	5.6	5.5
18	6.2	6.2	---	---	6.0	5.8	5.9	5.8	6.1	6.0	5.7	5.6
19	6.2	6.2	---	---	6.0	5.9	6.0	5.9	6.1	6.1	5.8	5.6
20	6.2	6.2	---	---	6.0	6.0	6.1	6.0	6.2	6.1	5.8	5.6
21	6.2	6.2	---	---	6.1	6.0	6.1	6.0	6.2	6.1	5.8	5.7
22	6.2	6.2	5.2	5.1	6.2	6.1	---	---	6.2	6.1	5.9	5.8
23	6.2	6.2	5.5	5.3	6.2	6.1	---	---	6.1	6.1	6.0	5.8
24	6.2	6.1	5.7	5.5	6.2	6.1	6.0	5.8	6.1	6.1	5.9	5.8
25	6.1	5.5	5.9	5.7	6.1	6.1	5.7	5.6	6.1	6.0	6.0	5.9
26	5.5	5.2	6.0	5.9	6.2	6.1	5.6	5.4	6.1	6.0	6.0	5.9
27	5.7	5.5	6.1	6.0	6.3	6.2	5.7	5.5	6.1	6.1	6.1	6.0
28	5.8	5.7	6.1	6.0	6.3	6.2	5.8	5.7	6.1	6.1	6.1	6.0
29	5.9	5.8	---	---	6.3	6.2	5.9	5.8	---	---	6.1	6.1
30	6.0	5.9	5.2	5.1	6.3	6.2	5.9	5.8	---	---	6.1	6.0
31	6.0	6.0	---	---	6.2	6.1	6.0	5.9	---	---	6.1	6.0

02430000 MACKEYS CREEK NEAR DENNIS, MS--CONTINUED

PH (UNITS), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.2	6.0	6.2	5.9	6.4	6.3	6.4	6.2	6.3	6.2	6.4	6.3
2	6.2	6.1	6.0	5.9	6.3	6.3	6.5	6.2	6.2	6.0	6.4	6.3
3	6.1	6.0	6.1	6.0	6.4	6.3	6.4	6.2	6.2	6.0	6.4	6.3
4	6.1	6.0	6.1	5.9	6.4	6.3	6.5	6.2	6.2	6.2	6.4	6.3
5	6.2	6.0	6.0	5.9	6.4	6.3	6.5	6.2	6.3	6.2	6.4	6.3
6	6.2	6.1	6.1	5.6	6.4	6.3	6.5	6.2	6.3	6.2	6.4	6.3
7	6.2	6.1	5.5	5.1	6.4	5.8	6.4	6.2	6.3	6.3	---	---
8	6.3	6.2	5.1	4.8	5.8	5.7	6.4	6.2	6.3	6.2	---	---
9	6.2	6.1	5.5	4.9	5.9	5.5	6.4	6.2	6.3	6.2	---	---
10	6.2	6.1	5.7	5.4	5.9	5.7	6.3	5.4	6.0	6.0	---	---
11	6.2	5.9	5.7	5.6	6.0	5.9	5.7	5.4	6.0	5.9	---	---
12	6.0	5.9	5.8	5.7	6.0	5.9	5.7	5.5	6.1	5.9	---	---
13	6.0	6.0	5.8	5.4	6.2	6.0	5.8	5.5	6.1	5.9	---	---
14	6.0	5.9	5.8	5.5	6.2	6.0	5.9	5.5	5.9	5.9	---	---
15	6.1	6.0	5.6	5.6	6.2	6.0	6.0	5.9	6.1	5.9	6.1	6.1
16	6.2	6.1	5.6	5.5	6.2	6.0	6.2	6.0	6.1	6.0	6.2	6.1
17	6.2	6.1	5.9	5.5	6.2	6.0	6.6	6.0	6.3	6.1	6.3	6.2
18	6.1	6.0	5.9	5.8	6.2	6.0	6.2	6.0	6.3	6.2	6.4	6.3
19	6.2	6.0	6.0	5.9	6.2	6.0	6.2	6.0	6.3	6.2	6.4	6.3
20	6.2	6.1	6.1	5.9	6.2	6.0	6.2	6.0	6.3	6.3	6.6	6.3
21	6.2	6.1	6.1	6.0	6.2	6.2	6.2	6.2	6.4	6.3	6.4	6.3
22	6.2	6.1	6.2	6.1	6.3	6.2	6.2	6.0	6.4	6.3	6.4	6.4
23	6.2	6.1	6.2	6.1	6.3	6.2	6.2	6.0	6.4	6.3	6.4	6.3
24	6.3	6.2	6.3	6.1	6.3	6.2	6.2	5.9	6.4	6.3	6.4	6.3
25	6.2	5.9	6.2	6.1	6.3	6.2	6.2	5.9	6.3	6.3	6.4	6.3
26	6.1	6.0	6.2	6.1	6.3	6.2	6.0	5.7	6.3	6.1	6.4	6.3
27	6.2	6.0	6.2	6.1	6.3	6.2	6.2	6.0	6.2	6.1	6.4	6.3
28	6.2	6.1	6.3	6.1	6.4	6.2	6.3	6.2	6.3	6.2	6.4	6.3
29	6.2	6.1	---	---	6.4	6.2	6.2	6.2	6.4	6.3	6.4	6.3
30	6.3	6.1	6.4	6.3	6.5	6.3	6.2	6.0	6.4	6.3	6.4	6.3
31	---	---	6.4	6.3	---	---	6.2	6.2	6.4	6.3	---	---

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	22.5	21.0	22.0	17.5	16.0	17.0	13.5	11.5	12.5	7.0	6.0	6.5
2	23.0	20.5	22.0	17.0	16.0	16.5	11.5	9.5	10.5	6.0	2.5	4.5
3	20.0	16.5	18.0	17.5	16.5	17.0	11.0	9.5	10.0	2.5	1.5	2.0
4	16.5	15.0	16.0	18.0	17.0	17.5	13.5	11.0	11.5	2.5	1.0	1.5
5	16.5	14.5	15.5	18.5	17.5	18.0	15.0	14.0	14.0	4.5	2.0	3.0
6	17.0	15.0	15.5	18.5	17.5	18.0	14.0	8.0	11.0	7.5	4.5	6.5
7	17.5	16.0	16.5	17.5	16.5	17.0	7.5	4.5	5.5	10.0	7.5	8.5
8	18.5	16.5	17.5	17.0	16.5	16.5	6.5	4.5	5.0	11.5	8.0	10.5
9	---	---	---	18.0	17.0	17.5	7.5	5.5	6.5	7.5	2.0	3.5
10	---	---	---	17.0	11.5	14.5	5.5	2.0	3.5	2.0	1.0	1.0
11	---	---	---	11.5	8.5	10.0	2.5	2.0	2.0	1.0	.5	1.0
12	13.5	11.5	13.0	9.5	7.5	8.5	4.0	2.5	3.5	2.0	1.0	1.5
13	12.0	10.5	11.5	8.5	7.0	7.5	8.0	4.5	6.5	2.0	2.0	2.0
14	12.0	10.0	11.0	9.0	7.0	8.0	11.0	8.0	10.0	2.0	1.0	1.5
15	12.5	10.5	11.5	9.5	7.5	8.5	11.0	9.0	10.0	---	---	---
16	12.5	11.0	11.5	12.5	9.0	11.0	9.5	9.0	9.0	---	---	---
17	11.5	10.0	10.5	14.0	12.5	13.5	11.5	10.0	11.0	---	---	---
18	12.5	10.0	11.0	14.5	11.5	13.0	11.0	9.0	9.5	1.5	1.5	1.5
19	13.0	11.0	12.0	---	---	---	9.5	8.0	8.5	1.5	1.0	1.5
20	13.0	11.0	12.0	---	---	---	10.0	7.5	9.5	1.0	.5	1.0
21	13.5	11.0	12.0	14.5	13.5	14.0	7.5	5.0	6.5	1.5	.5	1.0
22	14.0	11.5	12.5	14.0	12.5	13.0	4.5	3.5	4.5	---	---	---
23	15.0	12.0	13.5	14.0	13.0	13.0	6.0	4.0	5.0	---	---	---
24	16.0	13.5	15.0	14.5	14.0	14.0	9.5	6.0	8.0	---	---	---
25	16.0	15.5	16.0	14.0	11.5	13.0	10.0	6.5	8.5	---	---	---
26	16.0	15.5	16.0	11.5	6.5	8.5	6.5	3.0	4.5	6.0	2.0	3.0
27	16.0	15.0	15.5	7.0	6.0	6.5	3.0	2.0	3.0	2.0	1.0	1.5
28	15.0	14.5	15.0	8.5	7.0	7.5	2.0	1.5	2.0	2.0	.5	1.5
29	16.0	15.0	15.5	---	---	---	2.0	1.0	1.5	1.5	.5	1.0
30	16.5	15.5	16.0	13.5	11.5	13.0	4.0	2.0	3.0	1.5	1.0	1.0
31	17.5	15.5	17.0	---	---	---	6.0	4.0	5.0	2.0	1.5	2.0

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS--CONTINUED

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	2.5	2.0	2.5	7.0	6.5	7.0	18.0	16.0	17.0	19.0	18.0	18.5
2	2.5	2.5	2.5	6.5	6.0	6.0	18.5	17.0	18.0	18.5	15.5	16.5
3	2.5	1.5	2.0	6.0	5.0	5.5	19.5	17.5	18.5	16.5	14.5	15.5
4	3.5	2.0	3.0	5.0	3.5	4.0	20.0	18.5	19.5	15.5	14.5	15.0
5	4.0	2.0	3.0	4.5	3.5	4.0	20.5	18.5	19.0	15.0	14.5	14.5
6	2.0	.5	1.5	5.5	4.0	5.0	21.0	19.5	20.5	18.5	15.0	17.0
7	1.5	.5	1.0	8.0	7.0	7.5	21.5	19.5	20.5	---	---	---
8	1.5	.5	1.0	9.5	8.0	9.0	22.0	20.0	21.0	18.5	17.5	18.0
9	2.0	1.0	1.5	8.5	5.5	7.0	22.5	20.5	21.5	20.5	17.5	19.0
10	3.0	1.5	2.0	6.5	5.0	5.5	21.5	19.5	20.5	20.0	17.5	19.0
11	3.5	2.0	2.5	10.0	6.5	7.5	19.5	17.5	18.5	---	---	---
12	5.0	2.5	4.0	11.0	10.5	10.5	17.5	14.0	15.5	---	---	---
13	7.0	5.0	6.5	11.5	9.5	10.0	16.0	14.5	15.0	20.0	18.5	19.0
14	7.0	4.5	6.0	---	---	---	16.5	14.5	15.5	18.0	17.0	17.5
15	4.5	4.0	4.5	---	---	---	17.5	14.5	16.5	17.5	15.5	16.0
16	6.0	4.5	5.5	11.0	9.5	10.0	18.5	16.0	17.5	16.0	14.0	15.0
17	6.5	5.5	6.0	9.5	7.5	8.0	19.5	17.0	18.5	17.0	14.0	15.5
18	6.5	4.5	6.0	10.0	7.5	8.5	20.0	18.5	19.5	19.0	17.5	18.5
19	4.5	2.5	3.5	13.0	10.5	11.5	20.0	15.0	17.0	20.0	18.5	19.0
20	3.5	2.5	3.0	14.0	13.0	13.5	15.0	14.0	14.0	22.0	20.0	21.0
21	4.0	2.0	3.5	15.0	13.0	14.0	14.5	12.5	13.5	24.0	21.5	23.0
22	2.5	1.0	1.5	13.0	11.5	12.0	14.5	12.5	13.5	24.5	23.0	24.0
23	3.0	2.0	2.5	14.0	13.0	13.5	16.5	13.5	14.5	24.0	22.5	23.0
24	4.5	2.5	2.5	15.0	14.0	14.5	18.0	15.0	16.5	25.0	22.5	24.0
25	6.5	3.5	5.5	14.5	11.5	13.5	18.5	15.5	16.5	25.5	23.5	24.5
26	7.5	5.5	6.5	11.5	8.0	9.5	16.0	15.0	15.5	25.5	23.0	24.0
27	6.5	5.0	5.5	8.0	7.5	8.0	16.5	15.0	15.5	24.5	23.0	23.5
28	6.5	5.0	6.0	9.5	7.5	8.5	17.0	15.0	16.0	25.0	23.0	23.0
29	---	---	---	13.5	10.0	12.5	17.5	15.5	16.5	---	---	---
30	---	---	---	16.0	13.5	15.0	18.0	16.0	17.5	23.5	23.0	23.5
31	---	---	---	17.0	14.5	16.0	---	---	---	24.5	23.0	23.5
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
JUNE			JULY			AUGUST			SEPTEMBER			
1	25.5	23.0	23.5	28.0	25.5	27.0	26.0	24.0	25.5	23.0	22.0	22.5
2	24.5	23.0	24.0	27.5	25.0	26.5	26.5	23.5	25.0	23.0	21.5	22.0
3	23.5	22.0	22.5	28.5	24.5	26.5	27.0	23.5	25.5	23.5	20.5	22.0
4	24.0	21.5	22.5	28.5	26.0	28.0	25.5	24.0	25.0	23.5	20.5	22.5
5	24.0	21.5	23.0	27.5	25.0	26.5	24.5	23.5	24.0	24.0	21.5	23.0
6	25.0	22.0	23.5	27.5	24.5	26.5	24.5	22.5	23.5	---	---	---
7	24.0	21.5	22.5	27.5	24.5	26.5	24.5	22.0	23.5	---	---	---
8	24.0	22.5	23.0	28.0	25.0	26.5	24.0	23.0	23.5	---	---	---
9	23.5	22.0	22.5	27.5	25.5	26.5	---	---	---	---	---	---
10	22.0	21.5	21.5	26.5	24.5	25.5	---	---	---	---	---	---
11	23.5	21.5	22.5	24.5	24.0	24.0	24.5	23.5	24.0	---	---	---
12	25.5	23.0	24.5	25.5	24.0	24.5	26.0	23.5	24.5	---	---	---
13	25.5	23.5	24.5	26.5	24.0	25.5	25.0	23.5	24.5	---	---	---
14	23.5	21.5	22.5	25.0	24.0	24.5	25.5	24.5	24.5	---	---	---
15	23.0	21.0	22.0	26.0	24.0	25.0	27.0	24.0	25.5	19.5	19.0	19.5
16	25.0	21.5	23.5	25.5	24.0	24.5	27.5	24.5	26.0	20.0	18.5	19.5
17	26.0	23.5	25.0	---	---	---	24.0	25.5	28.0	20.5	18.5	19.5
18	27.0	24.0	25.5	26.0	23.0	24.5	28.5	25.5	27.0	21.0	19.0	20.0
19	25.0	23.5	24.5	26.5	23.5	25.0	28.5	25.5	27.0	21.5	19.5	20.5
20	25.5	24.5	24.5	27.0	24.5	26.0	28.5	26.0	27.5	21.5	19.0	20.0
21	25.0	24.0	24.5	27.0	24.5	26.5	27.0	24.5	26.0	21.0	19.0	20.0
22	25.5	23.0	24.5	27.0	24.5	25.5	25.5	23.0	24.5	19.5	18.5	19.0
23	25.5	23.0	24.0	27.0	24.5	25.5	26.5	23.5	25.0	18.5	16.5	17.5
24	26.5	23.5	25.0	27.0	24.0	25.5	27.0	24.0	25.5	17.5	15.5	16.5
25	28.0	25.0	26.5	26.0	24.5	25.0	27.0	24.5	26.0	16.5	15.0	16.0
26	29.0	26.0	27.5	25.5	23.5	24.5	27.5	25.0	26.5	17.0	15.5	16.0
27	29.0	25.5	27.0	25.0	23.5	24.5	27.5	25.0	26.0	17.5	16.5	17.0
28	29.5	26.5	28.0	25.5	23.0	24.5	27.0	25.0	26.0	16.5	16.5	16.5
29	29.5	27.0	28.0	26.5	23.0	25.0	26.0	24.5	25.0	22.0	20.0	20.5
30	28.0	27.5	28.0	27.0	24.0	26.0	25.5	24.5	24.5	21.5	20.0	20.5
31	---	---	---	27.0	25.0	26.0	24.5	23.0	23.5	---	---	---

02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

TURBIDITY (NTU), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	---	---	---	45	35	40	160	140	150	35	25	30
2	---	---	---	40	40	40	140	90	110	40	30	35
3	---	---	---	40	35	40	90	70	80	40	25	30
4	---	---	---	55	30	45	70	55	60	35	25	30
5	---	---	---	45	25	30	80	55	65	30	25	25
6	---	---	---	110	35	60	85	75	80	35	25	30
7	55	50	55	70	45	55	70	50	60	45	30	35
8	90	50	70	45	40	45	65	40	50	80	35	55
9	120	55	80	45	35	40	80	40	55	90	40	60
10	65	55	60	40	35	40	90	45	65	45	25	30
11	65	55	60	45	35	40	55	40	45	---	---	---
12	70	60	65	40	30	35	55	30	45	---	---	---
13	85	70	80	35	30	30	70	35	55	35	30	30
14	85	70	75	30	25	25	65	45	55	35	30	30
15	70	60	65	30	20	25	60	50	55	40	35	35
16	90	60	75	50	20	35	60	40	50	---	---	---
17	90	70	75	110	20	60	55	40	45	---	---	---
18	70	55	60	130	45	70	95	55	70	60	50	55
19	60	55	60	60	50	55	65	55	60	50	35	40
20	60	50	55	50	40	45	60	55	55	40	35	40
21	60	50	55	210	40	85	70	50	60	35	25	30
22	55	45	50	190	80	120	90	50	65	---	---	---
23	55	45	50	110	70	85	75	55	65	---	---	---
24	50	40	45	70	60	65	100	55	80	---	---	---
25	110	45	65	75	60	70	100	85	95	130	75	90
26	50	40	45	85	60	70	90	55	70	---	---	---
27	45	40	40	60	45	50	60	45	50	---	---	---
28	50	40	45	75	55	65	50	35	40	---	---	---
29	50	45	45	100	60	85	40	30	35	---	---	---
30	50	40	45	300	130	190	35	30	30	---	---	---
31	45	40	40	---	---	---	35	30	35	40	30	35
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	45	30	35	70	60	65	150	90	120	400	120	180
2	40	30	35	65	50	55	170	80	120	180	130	160
3	45	30	35	100	65	80	130	95	110	160	110	90
4	45	25	35	90	40	55	140	90	120	280	100	140
5	45	35	40	55	35	45	150	100	120	130	90	110
6	60	40	55	40	30	35	230	110	180	240	90	120
7	50	40	45	50	40	40	370	200	270	---	---	---
8	55	35	45	80	55	65	220	150	170	650	130	380
9	50	35	40	120	80	95	290	130	210	450	140	230
10	50	30	40	150	70	110	260	95	140	200	130	160
11	45	30	40	100	70	85	270	110	190	---	---	---
12	45	30	40	75	65	70	180	140	160	---	---	---
13	40	30	40	300	60	100	170	120	140	300	160	210
14	50	40	50	260	160	200	210	110	140	210	110	140
15	50	35	45	200	130	160	120	90	110	120	100	110
16	70	35	55	140	110	120	160	110	130	150	95	120
17	80	60	70	140	100	120	130	110	120	110	85	100
18	70	60	60	160	130	150	210	110	140	150	100	140
19	70	50	60	150	100	120	170	100	140	150	100	120
20	60	45	55	120	95	110	150	100	120	130	100	110
21	50	40	45	120	85	95	140	100	110	110	90	100
22	130	50	80	120	95	100	150	100	110	110	80	90
23	110	75	90	110	85	95	120	90	110	140	75	110
24	100	65	90	190	80	110	120	100	100	130	100	110
25	120	70	95	230	90	130	250	130	150	150	95	120
26	110	80	95	160	110	130	150	110	140	110	80	95
27	80	55	65	180	110	150	150	110	130	110	85	95
28	55	45	50	260	95	160	150	110	130	100	60	95
29	---	---	---	200	110	150	130	110	110	---	---	---
30	---	---	---	170	110	130	150	120	130	80	60	65
31	---	---	---	230	110	160	---	---	---	80	60	70

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

TURBIDITY (NTU), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	80	60	70	260	80	170	110	85	100	140	110	130
2	80	60	70	75	50	60	160	70	110	140	100	120
3	85	65	75	100	40	65	80	60	70	120	85	100
4	140	70	95	65	45	60	75	65	70	130	90	110
5	90	65	75	80	60	70	75	60	70	140	110	130
6	80	65	70	80	45	60	70	55	60	130	95	110
7	200	70	130	110	45	75	100	50	80	120	95	110
8	160	65	110	120	75	95	75	45	65	---	---	---
9	70	50	60	80	55	65	240	50	100	---	---	---
10	60	40	45	490	70	290	---	---	---	---	---	---
11	50	40	40	950	60	190	210	110	160	---	---	---
12	50	40	45	850	45	180	110	85	100	---	---	---
13	50	40	45	50	20	35	160	90	120	---	---	---
14	160	40	45	330	40	150	170	40	110	---	---	---
15	160	50	80	110	50	70	50	25	35	70	55	55
16	100	60	80	75	50	65	130	55	100	100	65	75
17	130	70	100	80	60	70	140	90	110	110	85	95
18	120	80	100	85	75	80	100	85	90	110	75	90
19	140	75	100	95	65	85	110	85	100	100	90	95
20	75	55	60	100	60	80	140	110	130	120	95	110
21	60	45	55	90	60	70	130	110	120	130	95	120
22	65	45	55	90	70	75	130	90	100	120	95	110
23	85	55	65	100	85	95	110	100	110	110	85	95
24	140	70	90	210	90	140	120	90	100	170	80	110
25	210	120	150	160	100	130	180	110	140	110	95	100
26	130	75	100	270	120	200	240	100	170	100	75	80
27	85	65	75	160	110	130	100	90	95	140	80	100
28	160	65	110	140	85	110	140	100	120	200	100	140
29	170	110	140	160	85	110	150	100	130	160	85	110
30	270	100	170	130	90	110	120	95	110	200	100	140
31	---	---	---	130	85	110	170	90	130	---	---	---

DISSOLVED OXYGEN (DO), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	8.6	8.1	8.3	7.9	7.3	7.6	---	---	---	11.2	11.0	11.0
2	8.2	8.0	8.0	7.9	7.4	7.7	---	---	---	11.9	11.1	11.5
3	8.7	8.2	8.4	7.8	6.0	7.1	---	---	---	12.4	11.8	12.1
4	9.1	8.3	8.7	7.5	7.3	7.4	---	---	---	12.9	12.0	12.5
5	9.2	8.5	8.9	7.8	7.3	7.5	---	---	---	12.8	12.3	12.6
6	9.1	8.7	8.8	7.2	6.7	7.0	---	---	---	12.8	12.4	12.7
7	8.7	8.2	8.5	7.2	6.8	7.0	10.5	10.1	10.3	10.8	10.1	10.5
8	8.5	7.6	8.2	7.5	6.9	7.2	10.7	10.2	10.5	10.6	8.8	9.7
9	---	---	---	7.5	7.3	7.4	10.5	10.1	10.3	13.0	10.7	12.0
10	---	---	---	7.2	6.5	6.8	11.5	10.5	11.1	13.4	12.8	13.1
11	---	---	---	8.3	6.8	7.5	11.6	11.3	11.5	13.2	12.8	13.0
12	9.3	8.8	9.1	8.5	7.3	7.8	11.4	11.0	11.2	12.8	12.2	12.4
13	9.5	8.5	9.0	8.7	7.4	8.1	---	---	---	12.2	11.8	11.9
14	9.7	8.5	9.1	9.2	7.8	8.5	---	---	---	11.9	11.7	11.8
15	9.7	8.7	9.2	9.2	8.0	8.6	---	---	---	11.9	11.7	11.8
16	9.3	8.5	8.9	8.9	8.0	8.5	10.7	10.3	10.0	---	---	---
17	9.5	8.2	8.8	---	---	---	10.5	9.9	10.1	---	---	---
18	9.5	8.5	9.0	---	---	---	10.6	9.8	10.3	---	---	---
19	9.1	8.1	8.7	---	---	---	10.8	10.3	10.6	---	---	---
20	8.9	7.8	8.4	---	---	---	10.7	10.2	10.4	---	---	---
21	8.4	7.5	8.2	---	---	---	11.3	10.7	11.0	---	---	---
22	8.6	7.4	8.0	---	---	---	11.6	11.3	11.5	---	---	---
23	8.3	7.4	7.9	7.9	7.7	7.8	12.2	11.2	11.5	---	---	---
24	8.0	7.6	7.8	7.8	7.0	7.6	11.6	10.2	10.8	---	---	---
25	---	---	---	6.9	6.2	6.7	10.9	10.1	10.4	11.6	11.3	11.4
26	6.9	6.6	6.8	6.2	5.5	5.9	12.1	11.2	11.7	12.4	11.4	11.9
27	7.0	6.5	6.7	6.9	5.9	6.4	12.4	12.1	12.3	12.6	12.2	12.5
28	7.5	6.6	7.0	6.9	6.3	6.5	13.2	12.6	12.7	12.5	12.2	12.4
29	7.8	7.1	7.4	---	---	---	13.0	12.6	12.8	12.4	12.2	12.3
30	7.9	6.9	7.5	---	---	---	12.6	11.9	12.1	12.3	12.1	12.2
31	7.8	7.5	7.6	---	---	---	11.8	11.2	11.5	12.4	11.9	12.1

02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

DISSOLVED OXYGEN (DO), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	12.9	11.7	12.5	11.4	11.1	11.2	8.7	8.2	8.5	---	---	---
2	12.9	12.2	12.3	11.4	11.3	11.4	8.5	8.1	8.4	---	---	---
3	12.4	11.7	12.2	11.3	10.8	11.0	8.5	7.9	8.2	---	---	---
4	11.8	11.4	11.6	11.4	11.0	11.1	8.3	7.9	8.1	10.0	9.6	9.8
5	11.7	11.1	11.4	11.1	10.5	10.8	8.2	7.5	7.8	10.2	9.8	10.0
6	12.1	11.8	11.9	10.7	10.0	10.2	7.5	7.0	7.2	10.1	9.9	9.9
7	12.3	12.1	12.2	11.6	9.5	10.6	7.3	7.0	7.2	---	---	---
8	12.3	12.1	12.2	11.1	10.7	10.8	7.2	6.9	7.1	---	---	---
9	12.4	12.2	12.3	11.3	10.5	10.8	---	---	---	---	---	---
10	12.4	12.1	12.3	12.1	11.7	11.9	---	---	---	---	---	---
11	12.4	12.0	12.3	11.7	10.7	11.4	---	---	---	---	---	---
12	12.4	11.9	12.1	10.5	10.1	10.3	---	---	---	---	---	---
13	12.0	11.4	11.6	---	---	---	---	---	---	---	---	---
14	12.6	11.7	11.8	---	---	---	---	---	---	---	---	---
15	12.8	12.6	12.7	---	---	---	---	---	---	---	---	---
16	12.6	12.0	12.3	10.2	9.6	9.9	---	---	---	---	---	---
17	12.2	11.7	12.0	10.9	10.1	10.5	---	---	---	10.0	9.7	9.9
18	12.3	11.7	12.0	11.0	10.1	10.7	---	---	---	9.5	8.9	9.2
19	12.9	12.4	12.7	10.1	9.3	9.9	---	---	---	8.9	8.5	8.7
20	13.1	12.7	13.0	9.6	9.1	9.4	---	---	---	8.5	8.2	8.3
21	13.2	12.6	12.9	9.2	8.9	9.1	---	---	---	8.3	7.9	8.0
22	13.5	12.3	13.0	10.1	9.3	9.7	---	---	---	7.9	7.5	7.7
23	13.2	12.6	12.8	9.7	9.2	9.2	---	---	---	8.0	7.8	7.9
24	12.8	12.3	12.5	9.2	8.8	9.1	---	---	---	8.0	7.7	7.8
25	12.5	11.6	12.0	9.7	8.9	9.2	---	---	---	7.8	7.2	7.4
26	11.9	11.4	11.6	10.5	9.7	10.1	---	---	---	7.9	6.9	7.4
27	12.0	11.5	11.8	10.9	10.5	10.8	---	---	---	7.9	7.8	7.9
28	12.0	11.4	11.6	10.9	10.5	10.8	---	---	---	7.9	7.6	7.8
29	---	---	---	10.3	9.5	9.8	---	---	---	---	---	---
30	---	---	---	9.5	8.9	9.2	---	---	---	---	---	---
31	---	---	---	9.1	8.6	8.8	---	---	---	---	---	---
	JUNE			JULY			AUGUST			SEPTEMBER		
1	8.2	7.9	8.0	7.0	6.6	6.9	7.4	7.0	7.3	7.2	7.0	7.1
2	8.4	7.9	8.1	7.0	6.6	6.9	7.5	7.0	7.4	7.3	7.1	7.2
3	8.6	8.4	8.5	7.3	6.8	7.0	7.5	6.9	7.3	7.4	7.1	7.2
4	8.6	8.2	8.5	7.0	6.8	7.0	7.4	7.0	7.1	7.3	6.9	7.1
5	8.6	8.2	8.4	7.0	6.6	6.8	7.6	7.0	7.3	7.2	6.7	6.9
6	8.6	8.0	8.2	7.0	6.6	6.9	7.6	7.4	7.5	6.9	6.5	6.7
7	8.4	8.1	8.2	7.0	6.5	6.8	7.6	7.3	7.5	---	---	---
8	---	---	---	6.9	6.5	6.6	7.4	7.3	7.4	---	---	---
9	---	---	---	6.6	5.9	6.4	---	---	---	---	---	---
10	8.4	8.1	8.2	6.6	6.4	6.5	7.3	7.0	7.2	---	---	---
11	8.2	7.9	8.0	6.8	6.4	6.5	7.3	7.0	7.2	---	---	---
12	7.9	7.3	7.5	7.5	6.6	6.9	7.2	6.9	7.1	---	---	---
13	7.8	7.3	7.4	7.5	7.0	7.4	7.2	6.9	7.0	---	---	---
14	7.8	7.5	7.6	7.6	7.4	7.5	7.0	6.9	7.0	---	---	---
15	7.8	7.6	7.7	7.6	6.9	7.4	7.0	6.7	6.9	7.3	7.1	7.3
16	7.8	7.2	7.4	7.6	7.4	7.5	6.9	6.6	6.8	7.3	7.0	7.1
17	7.4	6.8	7.3	8.5	7.4	7.9	6.8	6.4	6.6	7.3	6.9	7.1
18	7.3	6.9	7.2	7.9	7.4	7.6	6.6	6.4	6.5	7.1	6.9	7.0
19	7.4	6.8	7.2	7.8	7.3	7.5	6.6	6.4	6.5	7.0	6.6	6.9
20	7.3	7.1	7.1	7.6	7.0	7.4	7.4	6.4	6.5	6.9	6.5	6.8
21	7.3	7.2	7.2	7.4	6.9	7.3	6.8	6.5	6.7	6.8	6.5	6.6
22	7.4	7.2	7.3	7.4	6.9	7.1	7.1	6.7	6.9	6.6	6.5	6.6
23	7.4	7.1	7.3	7.4	6.9	7.1	7.0	6.5	6.8	7.1	6.6	6.9
24	7.3	6.9	7.2	7.4	7.0	7.3	6.6	6.2	6.4	7.4	7.1	7.3
25	7.0	6.6	6.7	7.4	7.0	7.3	6.4	6.0	6.2	7.5	7.1	7.3
26	6.9	6.4	6.6	7.5	7.0	7.3	---	---	---	7.3	6.9	7.1
27	6.8	6.4	6.6	7.4	6.9	7.3	---	---	---	6.9	6.5	6.8
28	6.7	6.0	6.4	7.6	7.4	7.4	---	---	---	8.1	7.9	8.0
29	6.5	6.0	6.2	7.6	7.0	7.5	6.7	6.5	6.6	8.1	7.6	7.9
30	7.1	6.2	6.7	7.4	6.9	7.1	6.8	6.6	6.7	8.0	7.6	7.9
31	---	---	---	7.1	6.9	7.0	7.0	6.8	6.9	---	---	---

MOBILE RIVER BASIN

02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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	97			78	---	---	956	116	300
2	95			76	---	---	447	103	123
3	111			109	---	---	233	65	41
4	72			158	---	---	184	54	27
5	65			145	---	---	148	43	17
6	60			259	---	---	134	48	17
7	58			168	---	---	119	38	12
8	181			119	---	---	115	38	12
9	353			100	---	---	154	40	17
10	141			91	---	---	134	45	16
11	88			80	---	---	110	44	13
12	76			77	---	---	106	48	14
13	68			74	---	---	105	53	15
14	64			74	---	---	122	30	9.9
15	63			74	---	---	115	23	7.3
16	60			136	---	---	105	13	3.7
17	58			438	---	---	122	25	9.3
18	57			365	---	---	208	54	29
19	56			156	---	---	143	55	21
20	56			115	---	---	115	25	7.7
21	54			579	---	---	113	49	15
22	55			1330	---	---	101	21	5.7
23	53			347	---	---	92	27	6.7
24	53			193	---	---	95	64	16
25	353			151	---	---	133	56	20
26	472			125	---	---	125	---	---
27	164			124	---	---	100	15	4.1
28	113			174	---	---	87	7	1.6
29	95			453	94	152	86	25	5.8
30	86			1600	185	833	118	45	15
31	82			---	---	---	115	68	21
JANUARY				FEBRUARY			MARCH		
1	100	62	17	116	18	5.6	112	---	---
2	95	87	22	116	19	6.0	107	---	---
3	83	35	7.9	108	13	3.8	190	---	---
4	80	40	8.6	104	12	3.4	198	---	---
5	83	34	7.7	101	24	6.6	171	---	---
6	94	34	8.6	95	11	2.8	88	---	---
7	97	30	7.9	95	19	4.9	90	---	---
8	174	60	37	94	18	4.5	95	---	---
9	233	68	48	94	22	5.6	134	---	---
10	131	36	14	92	16	4.0	244	---	---
11	101	25	6.8	88	16	3.8	159	---	---
12	105	21	6.0	86	13	3.0	142	---	---
13	122	21	7.0	104	14	3.9	142	---	---
14	107	15	4.3	110	15	4.5	1400	---	---
15	95	14	3.6	90	---	---	728	---	---
16	100	---	---	87	---	---	227	---	---
17	301	---	---	85	---	---	164	95	42
18	173	43	20	83	---	---	148	118	47
19	127	21	7.2	83	---	---	136	100	37
20	124	20	6.5	83	---	---	122	82	25
21	110	12	3.6	85	---	---	115	99	31
22	107	16	4.6	83	---	---	116	141	44
23	104	---	---	88	---	---	112	---	---
24	210	47	36	83	---	---	109	41	12
25	456	92	96	79	---	---	130	67	22
26	611	126	208	77	---	---	118	74	24
27	274	81	74	77	---	---	108	72	21
28	166	67	30	108	---	---	104	133	37
29	136	54	20	---	---	---	101	---	---
30	126	32	11	---	---	---	96	---	---
31	119	22	7.2	---	---	---	96	---	---

02430000 MACKEYS CREEK NEAR DENNIS, MS--Continued

SUSPENDED-SEDIMENT DISCHARGE (TONS/DAY), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
APRIL			MAY			JUNE			
1	95	48	12	148	146	65	71	59	11
2	91	44	11	130	141	36	71	59	11
3	87	---	---	105	87	25	72	66	13
4	83	---	---	191	---	---	67	---	---
5	81	80	17	140	---	---	64	---	---
6	83	129	29	108	---	---	62	---	---
7	80	252	54	1830	397	1960	322	341	191
8	77	144	30	2570	86	598	698	138	159
9	82	145	32	1710	---	---	214	81	50
10	74	143	29	392	---	---	118	---	---
11	146	155	60	186	---	---	92	---	---
12	113	129	39	153	134	55	82	---	---
13	88	87	21	373	251	269	73	46	9.0
14	79	97	21	183	118	69	67	31	5.6
15	77	54	11	133	89	32	65	44	7.7
16	77	77	16	112	67	20	58	62	11
17	74	71	14	110	62	19	63	83	14
18	125	80	29	105	68	19	59	74	12
19	112	---	---	115	69	21	113	119	37
20	85	---	---	105	75	21	82	70	16
21	77	64	13	97	62	16	73	36	7.1
22	77	118	25	88	67	16	70	39	7.4
23	81	113	25	86	145	34	67	31	5.6
24	80	207	45	81	74	16	65	54	9.5
25	143	213	88	76	69	14	63	122	21
26	103	113	31	73	75	15	63	80	14
27	82	92	20	76	67	14	54	43	6.3
28	76	100	21	75	66	13	51	69	9.6
29	71	73	14	92	---	---	51	106	15
30	74	81	16	90	132	32	53	152	21
31	---	---	---	80	64	14	---	---	---
JULY			AUGUST			SEPTEMBER			
1	57	205	31	33	---	---	39	113	12
2	55	65	9.7	38	102	10	40	87	9.4
3	59	52	8.1	36	81	7.9	39	108	11
4	50	42	5.7	34	---	---	39	79	8.2
5	46	50	6.2	39	---	---	36	113	11
6	46	53	6.6	38	---	---	35	94	8.9
7	43	52	6.1	35	---	---	33	76	6.7
8	43	73	8.6	36	---	---	33	---	---
9	44	54	6.4	43	---	---	31	---	---
10	49	349	48	42	---	---	30	---	---
11	88	2110	653	49	153	20	33	---	---
12	77	311	65	45	106	13	35	---	---
13	56	83	13	67	131	25	50	---	---
14	76	174	45	76	155	40	82	---	---
15	60	24	4.3	50	31	4.2	52	28	3.9
16	53	18	2.6	43	90	10	44	44	5.3
17	49	43	5.6	40	107	12	41	50	5.5
18	45	24	2.9	38	73	7.5	38	38	3.9
19	42	34	3.8	36	82	8.0	36	64	6.2
20	41	23	2.6	34	103	9.5	34	67	6.2
21	40	17	1.8	36	108	10	34	69	6.2
22	39	26	2.7	34	89	8.2	32	67	5.8
23	39	42	4.5	33	97	8.6	33	51	4.5
24	38	79	8.1	32	93	8.1	34	61	5.6
25	48	73	9.6	31	114	9.7	34	55	5.0
26	55	98	15	43	178	21	34	45	4.1
27	45	110	13	40	77	8.4	34	67	7.5
28	42	206	23	36	114	11	36	109	11
29	37	188	19	35	117	11	37	96	9.6
30	35	129	12	37	88	8.8	36	126	12
31	34	153	14	37	91	9.1	---	---	---

MOBILE RIVER BASIN

02430038 ROCK CREEK NEAR BELMONT, MS

LOCATION.--Lat 34°31'00", long 88°16'17" in NW¼ sec.32, T.6 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, at the left bank on upstream side of bridge on county road, 1.0 mi (1.6 km) northwest of Fairview Church, 3.6 mi (5.8 km) west of Belmont.

DRAINAGE AREA.--9.02 mi² (23.36 km²).

PERIOD OF RECORD.--Occasional low-flow measurements made in 1972 and 1974. June 1975 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 370 ft (113 m), from topographic map.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,900 ft³/s (538 m³/s) May 8, gage height, 13.40 ft (4.084 m) from floodmark, from rating extended above 630 ft³/s (17.8 m³/s) on basis of slope-conveyance computation; minimum, 0.50 ft³/s (0.014 m³/s) Sept. 2, 3, 4, 1977, gage height, 3.97 ft (1.210 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,900 ft³/s (538 m³/s) May 8, gage height, 13.40 ft (4.084 m), from floodmark, from rating extended above 630 ft³/s (17.8 m³/s) on basis of slope-conveyance computations; minimum, 3.9 ft³/s (0.11 m³/s) Oct. 23, gage height, 4.16 ft (1.268 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.9	7.5	71	12	12	8.9	8.4	13	6.4	2.5	1.5	2.2
2	8.6	7.2	34	11	11	12	11	8.9	6.1	2.7	1.6	2.2
3	7.2	15	26	11	10	13	8.9	10	6.1	4.7	1.5	2.0
4	6.1	13	22	10	9.8	10	8.9	19	5.7	2.5	1.7	1.9
5	5.7	14	19	11	9.5	9.5	8.9	12	5.4	2.3	1.9	1.6
6	5.2	14	16	11	9.5	9.2	8.6	9.8	8.4	2.2	1.9	1.5
7	5.2	12	14	11	8.9	9.8	8.6	548	114	2.2	1.7	1.5
8	33	10	14	37	8.9	9.5	8.6	806	92	2.0	1.7	1.5
9	15	9.8	20	23	8.6	23	8.6	280	22	1.9	2.3	1.5
10	10	8.6	14	18	8.6	23	8.3	80	15	2.2	2.0	1.5
11	8.6	8.1	13	16	8.3	17	24	40	11	2.5	2.0	1.7
12	7.5	7.5	13	17	8.3	15	11	25	9.0	2.3	2.0	2.5
13	6.9	7.2	13	16	9.8	67	9.8	20	8.0	2.0	2.3	11
14	6.4	7.2	14	14	8.9	292	9.2	17	6.5	2.3	2.2	2.5
15	6.1	7.2	13	13	8.3	48	8.6	15	5.7	2.2	1.9	1.6
16	5.9	21	12	17	8.1	28	8.3	14	4.7	2.0	1.7	1.5
17	5.7	31	22	35	7.8	24	8.1	12	4.0	1.9	1.6	1.5
18	5.4	17	19	21	7.8	20	17	12	3.7	1.7	1.6	1.4
19	5.2	13	16	19	7.5	17	10	11	22	1.6	1.5	1.3
20	5.2	12	14	17	7.2	15	9.2	9.8	6.8	1.6	1.5	1.3
21	5.2	146	13	15	7.2	13	8.6	8.4	5.4	1.6	1.5	1.3
22	5.2	40	12	15	9.0	12	8.1	15	5.0	1.6	1.4	1.3
23	5.4	25	12	15	7.5	11	8.3	12	4.7	1.6	1.4	1.4
24	7.5	19	14	46	7.5	11	8.3	8.9	4.0	1.5	1.4	1.4
25	88	16	13	102	7.2	10	8.6	7.6	3.4	1.7	1.4	1.3
26	22	13	12	58	6.9	9.6	8.1	6.8	3.2	2.2	1.9	1.3
27	14	14	11	26	6.7	9.3	7.5	6.4	2.7	1.9	1.5	1.4
28	11	19	11	19	12	9.0	7.2	11	2.5	2.0	1.5	1.5
29	9.5	144	11	16	---	8.8	7.2	9.8	2.3	1.7	1.6	1.5
30	8.6	141	14	14	---	8.6	7.2	8.0	2.3	1.6	2.2	1.5
31	7.8	---	12	13	---	8.6	---	6.8	---	1.5	2.0	---
TOTAL	352.0	819.3	534	679	242.8	781.8	283.1	2063.2	398.0	64.2	53.9	57.6
MEAN	11.4	27.3	17.2	21.9	8.67	25.2	9.44	66.6	13.3	2.07	1.74	1.92
MAX	88	146	71	102	12	292	24	806	114	4.7	2.3	11
MIN	5.2	7.2	11	10	6.7	8.6	7.2	6.4	2.3	1.5	1.4	1.3
CFSM	1.26	3.03	1.91	2.43	.96	2.79	1.05	7.38	1.48	.23	.19	.21
IN.	1.45	3.38	2.20	2.80	1.00	3.22	1.17	8.51	1.64	.26	.22	.24

CAL YR 1977 TOTAL 5767.86 MEAN 15.8 MAX 424 MIN .71 CFSM 1.75 IN 23.78
WTR YR 1978 TOTAL 6328.90 MEAN 17.3 MAX 806 MIN 1.3 CFSM 1.92 IN 26.10

02430085 RED BUD CREEK NEAR MOORES MILL, MS

LOCATION.--Lat 34°28'00", long 88°17'00", in SW¼SE¼ sec.18, T.7 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 03160101, near left bank on downstream side of bridge on county road, 0.18 mi (0.29 km) south of intersection of county road and blacktop road, 2.7 mi (4.3 km) east-southeast of Moores Mill, and 5.6 mi (9.0 km) southwest of Belmont.

DRAINAGE AREA.--15.5 mi² (40.1 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 360 ft (110 m), from topographic map.

REMARKS.--Records good, except those above 300 ft³/s (8.50 m³/s), which are fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 986 ft³/s (27.9 m³/s) Mar. 4, 1977, gage height, 11.16 ft (3.402 m); minimum, 2.0 ft³/s (0.057 m³/s) part of each day Aug. 20-25, Aug. 28-30, Sept. 1-3, gage height, 3.39 ft (1.033 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 350 ft³/s (9.91 m³/s) and maximum (*), from rating curve extended above 300 ft³/s (8.50 m³/s) on basis of conveyance computation at 12.6 ft (3.840 m):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Nov. 21	1215	385 10.9	8.96 2.731	May 7	1345	697 19.7	10.82 3.206
Jan. 25	2015	317 8.98	8.32 2.536	May 8	1300	*890 25.2	10.99 3.350
Mar. 14	Unknown	780 22.1	a10.74 3.274				

a From floodmark.

Minimum discharge, 2.6 ft³/s (0.074 m³/s) Sept. 7, 8, 9, gage height, 3.42 ft (1.042 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	12	101	21	29	27	17	28	16	8.5	3.4	3.9
2	13	11	53	18	28	32	16	16	15	10	3.7	3.9
3	11	26	40	17	26	33	15	21	14	35	3.1	3.7
4	9.0	22	34	16	24	28	15	45	14	12	23	3.3
5	8.3	24	34	16	23	24	15	23	13	8.0	9.0	3.0
6	7.8	22	28	17	21	23	15	18	30	6.6	5.2	2.9
7	7.5	18	24	19	21	22	14	506	250	5.8	4.5	2.8
8	41	16	23	87	20	22	14	456	200	5.4	4.5	2.8
9	18	15	42	43	20	52	14	129	60	5.0	5.4	2.8
10	13	12	27	30	19	48	13	60	40	6.4	5.0	2.9
11	12	12	24	28	18	34	46	42	30	7.8	4.8	3.4
12	11	11	23	29	18	34	21	42	22	6.6	4.7	4.4
13	9.3	11	22	29	19	49	17	99	19	5.8	5.6	12
14	8.8	11	28	25	25	400	15	39	16	5.8	5.4	6.2
15	8.3	11	23	22	24	200	15	31	13	5.4	4.4	4.7
16	7.8	43	20	25	20	70	13	27	9.8	5.4	3.9	4.4
17	7.5	64	30	58	18	60	13	23	8.5	4.5	3.9	4.2
18	7.5	29	28	31	17	50	45	24	7.5	4.4	3.3	3.9
19	7.3	23	23	30	17	40	21	25	41	4.2	3.3	3.6
20	7.0	22	21	28	16	35	17	19	15	4.0	3.1	3.4
21	7.0	180	19	25	17	30	15	16	13	3.7	3.0	3.3
22	6.8	78	17	24	17	27	14	18	12	3.7	2.9	3.4
23	7.0	47	17	24	18	25	15	21	11	3.6	2.9	3.6
24	7.8	35	23	72	17	23	14	15	9.5	3.4	2.9	3.6
25	115	29	27	148	16	21	15	12	8.5	3.7	2.8	3.4
26	31	24	21	106	15	20	13	11	7.3	4.7	3.9	3.4
27	18	27	18	54	15	19	11	10	6.4	4.0	3.1	3.6
28	15	32	18	41	32	19	11	35	5.8	4.2	3.0	3.9
29	14	141	17	34	---	18	10	25	5.4	3.6	3.1	3.6
30	14	158	28	30	---	17	11	20	5.0	3.4	3.7	3.3
31	12	---	25	30	---	17	---	17	---	3.1	3.4	---
TOTAL	477.7	1166	878	1177	570	1519	500	1873	917.7	197.7	143.9	117.3
MEAN	15.4	38.9	28.3	38.0	20.4	49.0	16.7	60.4	30.6	6.38	4.64	3.91
MAX	115	180	101	148	32	400	46	506	250	35	23	12
MIN	6.8	11	17	16	15	17	10	10	5.0	3.1	2.8	2.8
CFSM	.99	2.51	1.83	2.45	1.32	3.16	1.08	3.90	1.97	.41	.30	.25
IN.	1.15	2.80	2.11	2.82	1.37	3.65	1.20	4.49	2.20	.47	.35	.28
CAL YR 1977	TOTAL	8274.5	MEAN 22.7	MAX 474	MIN 2.0	CFSM 1.47	IN 19.86					
WTR YR 1978	TOTAL	9537.3	MEAN 26.1	MAX 506	MIN 2.8	CFSM 1.68	IN 22.89					

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 (4.8 km) northwest of Fairview and 8 mi (13 km) north-northeast of Fulton.

DRAINAGE AREA.--11.1 mi² (28.7 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 313 ft (95 m) from topographic map.

REMARKS.--Records fair.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 683 ft³/s (19.3 m³/s) Apr. 4, 1977, gage height, 9.37 ft (2.856 m), Sept. 25, 1977, minimum 2.3 ft³/s (0.065 m³/s) Aug. 22, 1977, gage height, 3.84 ft (1.170 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 250 ft³/s (7.08 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 14	0315	600 17.0	9.26 2.822	June 7	1245	426 12.1	8.92 2.719
May 8	1230	*631 17.9	9.31 2.838				

Minimum discharge, 3.4 ft³/s (0.096 m³/s) July 22, 23, 24, 25; minimum gage height, 3.96 ft (1.207 m) Sept. 28, 29, 30.

CORRECTION.--The minimum gage height for water year 1977 is 3.84 ft (1.170 m) Aug. 22, 1977; the previously published figure was not the minimum.

REVISIONS.--The peak discharges and annual maximums (*) for water years 1976 and 1977 have been revised as shown in the following table. They supersede figures published in reports for 1976 and 1977.

Water year	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Water year	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
1976	Oct. 17	0430	414 11.7	8.91 2.716	1977	Mar. 12	0645	278 7.87	8.39 2.557
1976	Feb. 18	1200	289 8.18	8.53 2.600	1977	Apr. 4	1245	*683 19.3	9.29 2.832
1976	Mar. 21	0015	*613 17.4	9.28 2.829	1977	Sept. 25	2000	670 19.0	*9.37 2.856
1977	Mar. 4	--	406 11.5	8.87 2.704					

a From floodmark.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	9.1	43	14	16	17	13	27	7.9	4.3	4.3	4.6
2	13	9.1	25	13	15	21	12	12	7.8	4.3	4.1	4.6
3	8.7	26	20	12	14	28	12	18	7.8	4.2	3.6	4.5
4	7.4	15	18	12	14	23	12	29	7.2	4.1	8.3	4.3
5	6.7	16	17	13	13	20	11	14	6.6	3.8	9.1	4.2
6	6.6	15	15	19	13	18	11	11	15	3.7	5.5	4.2
7	6.4	12	14	16	13	17	11	188	121	3.8	4.9	4.2
8	30	11	14	66	13	16	10	177	50	3.7	5.0	4.1
9	13	10	28	25	13	34	10	60	18	3.7	5.3	3.9
10	8.9	9.2	17	17	13	36	11	30	13	4.6	5.0	3.9
11	8.3	9.1	15	14	12	29	37	19	11	4.6	5.2	4.1
12	7.9	9.4	14	16	12	25	15	21	9.6	3.9	4.9	4.1
13	7.2	9.1	14	18	17	28	13	50	8.9	16	8.7	11
14	7.1	8.9	19	15	15	142	12	17	7.9	8.3	5.9	5.8
15	6.9	9.1	15	13	13	38	11	13	7.6	4.9	5.2	4.9
16	6.7	38	14	17	12	29	11	13	7.6	4.3	4.9	4.6
17	6.6	47	21	35	12	22	10	11	7.2	4.2	4.8	4.3
18	6.7	16	20	17	12	19	37	11	7.1	3.9	4.8	4.2
19	6.6	13	16	16	11	16	15	11	15	4.1	4.6	4.2
20	6.4	14	14	16	11	15	13	9.2	8.1	3.7	4.6	4.2
21	6.6	112	13	15	12	15	12	8.9	7.4	3.6	4.6	4.2
22	6.6	33	12	15	12	15	12	10	6.6	3.6	4.5	4.2
23	6.7	20	12	15	13	14	13	11	5.9	3.6	4.5	4.1
24	7.8	17	24	52	12	13	12	8.5	5.8	3.6	4.5	3.9
25	82	15	21	77	12	15	14	7.6	5.3	7.8	4.3	3.9
26	16	14	15	44	11	14	12	7.2	5.0	5.0	4.3	3.9
27	11	17	14	28	11	14	11	6.9	4.9	3.9	4.2	3.9
28	10	24	13	23	30	13	10	31	4.9	3.8	4.2	4.1
29	10	73	13	19	---	13	10	21	4.7	3.8	4.3	3.9
30	9.2	69	23	17	---	13	10	16	4.6	3.7	4.6	3.9
31	9.1	---	16	16	---	13	---	9.6	---	3.7	4.5	---
TOTAL	356.1	700.0	549	705	377	745	403	878.9	399.4	144.2	157.2	133.9
MEAN	11.5	23.3	17.7	22.7	13.5	24.0	13.4	28.4	13.3	4.65	5.07	4.46
MAX	82	112	43	77	30	142	37	188	121	16	9.1	11
MIN	6.4	8.9	12	12	11	13	10	6.9	4.6	3.6	3.6	3.9
CFSM	1.04	2.10	1.60	2.05	1.22	2.16	1.21	2.56	1.20	.42	.46	.40
IN.	1.19	2.35	1.84	2.36	1.26	2.50	1.35	2.95	1.34	.48	.53	.45

CAL YR 1977 TOTAL 5967.4 MEAN 16.3 MAX 235 MIN 2.6 CFSM 1.47 IN 20.00
WTR YR 1978 TOTAL 5548.7 MEAN 15.2 MAX 188 MIN 3.6 CFSM 1.37 IN 18.59

02430880 CUMMINGS CREEK NEAR FULTON, MS

LOCATION.--Lat 34°18'16", long 88°22'16", in NE¼ sec.17, T.9 S., R.9 E., Chickasaw Meridian, Itawamba County, Hydrologic Unit 03160101, at bridge on county road, 3.2 mi (5.2 km) northeast of Fulton, and 4.2 mi (6.8 km) upstream from mouth.

DRAINAGE AREA.--19.1 mi² (49.5 km²).

PERIOD OF RECORD.--July 22, 1975, to current year.

GAGE.--Water-stage recorder. Altitude of gage is 295 ft (90 m), from topographic map.

REMARKS.--Records poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge not determined; maximum gage height, 10.83 ft (3.301 m) May 8, 1978, from floodmark; minimum 3.9 ft³/s (0.11 m³/s) Sept. 3, 4, 1977, gage height, 3.88 ft (1.183 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge not determined. Maximum gage height, 10.83 ft (3.301 m) May 8, from floodmark; minimum daily discharge, 7.5 ft³/s (0.21 m³/s) Aug. 27, Sept. 9.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	17	71	28	32	40	28	60	15	14	13	13
2	20	17	46	26	31	59	27	30	15	12	11	13
3	16	47	38	25	29	93	26	35	15	12	9.1	12
4	14	26	34	24	29	52	26	80	14	13	14	9.9
5	13	32	51	25	28	38	25	30	13	11	21	9.1
6	12	24	38	35	27	32	25	25	25	10	11	8.9
7	12	21	34	30	26	36	25	500	119	10	10	8.6
8	94	20	32	107	26	32	24	450	164	10	11	7.7
9	29	19	48	52	26	76	24	96	41	14	12	7.5
10	19	17	35	35	26	90	23	70	32	12	10	7.7
11	18	16	32	30	26	51	70	56	27	14	11	9.4
12	17	16	29	38	26	48	35	54	23	12	13	9.6
13	15	16	28	35	30	54	26	100	21	22	34	61
14	14	16	37	30	28	250	24	60	20	18	19	19
15	13	16	35	28	26	100	22	28	19	12	12	16
16	13	52	33	38	25	80	21	24	18	11	11	15
17	13	119	50	64	25	60	20	22	17	10	11	13
18	13	32	40	35	25	45	70	21	17	9.4	10	12
19	13	26	34	35	24	40	35	20	25	9.1	9.1	11
20	12	28	30	33	24	38	27	18	16	9.1	9.1	10
21	12	247	28	31	25	35	25	18	16	9.1	8.9	9.6
22	12	88	26	31	24	33	23	19	15	9.4	8.2	9.4
23	12	56	25	31	24	32	26	21	16	8.9	7.9	8.9
24	14	45	48	90	24	32	23	16	16	8.6	8.2	8.4
25	139	38	44	148	23	38	30	14	14	16	7.9	8.2
26	45	34	35	81	22	40	23	13	12	13	8.6	13
27	32	33	30	49	22	33	21	13	12	11	7.5	12
28	25	42	27	41	32	31	20	29	12	11	8.4	11
29	22	100	25	36	---	30	19	35	11	9.4	9.9	10
30	20	113	40	34	---	29	20	31	11	8.9	12	9.9
31	18	---	32	33	---	28	---	18	---	8.6	12	---
TOTAL	743	1373	1135	1358	735	1675	833	2006	791	358.5	360.8	373.8
MEAN	24.0	45.8	36.6	43.8	26.3	54.0	27.8	64.7	26.4	11.6	11.6	12.5
MAX	139	247	71	148	32	250	70	500	164	22	34	61
MIN	12	16	25	24	22	28	19	13	11	8.6	7.5	7.5
CFSM	1.26	2.40	1.92	2.29	1.38	2.83	1.46	3.39	1.38	.61	.61	.65
IN.	1.45	2.67	2.21	2.64	1.43	3.26	1.62	3.91	1.54	.70	.70	.73

CAL YR 1977 TOTAL 12526.5 MEAN 34.3 MAX 573 MIN 5.3 CFMS 1.80 IN 24.40
WTR YR 1978 TOTAL 11742.1 MEAN 32.2 MAX 500 MIN 7.5 CFMS 1.69 IN 22.87

MOBILE RIVER BASIN

02431000 TOMBIGBEE RIVER NEAR FULTON, MS

LOCATION.--Lat 34°15'53", long 88°26'42", in SE¼ 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 (300 m) downstream from Twentymile-Fulton Canal, 2.2 mi (3.5 km) west of Fulton, 6.2 mi (10.0 km) upstream from Mantachie Creek Canal, 13.5 mi (21.7 km) downstream from Twentymile Creek Canal, and at mile 421.8 (678.7 km).

DRAINAGE AREA.--612 mi² (1,585 km²).

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 (240 m) 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 (74.045 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 27, 1934, nonrecording gage at bridge 200 ft (60 m) upstream, and Oct. 27, 1934, to Aug. 22, 1939, nonrecording gage at present site, all at present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--50 years, 941 ft³/s (26.65 m³/s), 20.88 in/yr (530 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 82,200 ft³/s (2,330 m³/s) Mar. 22, 1955, gage height, 25.75 ft (7.849 m), from rating curve extended above 48,000 ft³/s (1,360 m³/s) on basis of estimate of flow made by indirect methods; minimum observed, 11 ft³/s (0.31 m³/s) Nov. 15, 1971 (temporary regulation); minimum unregulated, 12 ft³/s (0.34 m³/s) Aug. 31 to Sept. 2, 1943; minimum gage height, 0.87 ft (0.265 m) Aug. 12, 1930.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft³/s (227 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Nov. 22	1000	9180 260	17.36 5.291	Mar. 14	2200	11000 312	17.60 5.364
Dec. 1	0800	14500 411	18.08 5.511	May 9	0100	32000 906	20.19 6.154
Jan. 26	0600	9180 260	17.36 5.291				

Minimum discharge, 39 ft³/s (1.10 m³/s) Sept. 11, gage height, 5.47 ft (1.667 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.03	10.07	18.01	11.78	13.28	11.68	10.40	13.18	10.87	6.93	6.11	5.62
2	13.19	9.26	17.49	11.35	12.75	11.58	10.17	12.86	9.80	7.05	6.29	5.67
3	11.54	10.35	16.89	10.87	12.38	13.71	9.98	11.69	9.38	7.16	6.25	5.70
4	10.03	12.37	16.31	10.46	12.01	13.93	9.79	13.71	8.99	9.05	6.07	5.74
5	9.08	12.55	15.70	10.27	11.69	12.79	9.65	15.07	8.54	8.08	6.88	5.71
6	8.28	13.15	14.89	10.45	11.23	11.97	9.56	13.92	8.22	7.21	6.75	5.67
7	7.76	13.68	13.79	11.16	10.77	11.46	9.42	15.62	11.44	6.96	6.45	5.61
8	9.82	12.92	12.91	12.90	10.56	11.40	9.27	19.66	16.87	6.81	6.31	5.57
9	13.73	12.34	12.79	15.77	10.47	12.12	9.14	19.43	17.12	6.66	6.30	5.51
10	13.09	11.65	13.24	15.31	10.45	15.26	8.99	17.87	16.57	6.61	6.31	5.49
11	11.79	10.80	12.72	14.96	10.39	15.64	11.11	17.02	15.78	7.89	6.36	5.51
12	11.13	10.00	12.33	13.73	10.30	15.25	12.66	16.28	14.21	7.73	6.40	5.51
13	10.13	9.48	12.05	13.17	10.51	14.78	11.63	15.91	11.90	7.11	6.42	6.14
14	---	9.14	12.39	12.86	10.90	16.52	10.78	16.18	10.35	7.44	7.62	6.34
15	---	8.91	13.09	12.19	10.59	17.41	10.16	15.56	9.28	7.33	7.24	6.45
16	---	9.61	12.54	11.86	10.31	17.01	9.62	14.90	8.72	7.38	6.65	6.43
17	---	14.76	12.44	14.40	10.14	16.42	9.24	13.55	8.35	7.01	6.38	6.27
18	---	16.00	14.09	15.93	9.99	15.59	10.26	12.28	8.08	6.71	6.26	6.19
19	---	15.82	14.18	15.44	9.81	14.64	11.42	11.53	8.97	6.52	6.12	6.09
20	---	15.33	13.73	14.81	9.56	13.53	10.45	11.09	10.50	6.39	6.00	5.96
21	---	15.65	13.15	14.01	9.64	12.77	9.78	10.92	9.73	6.28	5.92	5.85
22	---	17.30	12.26	13.23	9.71	12.40	9.35	10.70	9.01	6.19	5.86	5.74
23	---	17.12	11.47	12.83	9.63	12.08	9.16	10.51	8.75	6.13	5.81	5.71
24	---	16.78	11.26	13.56	9.66	11.65	9.09	10.29	11.18	6.01	5.75	5.68
25	---	16.21	12.53	16.40	9.56	12.32	9.79	9.71	9.31	6.05	5.68	5.64
26	---	15.37	12.16	17.18	9.45	12.65	9.86	9.34	8.18	6.88	5.61	5.62
27	---	14.24	11.41	16.72	9.27	12.09	9.32	9.20	7.73	6.77	5.58	5.62
28	---	13.58	10.88	16.38	10.01	11.67	8.84	10.09	7.46	6.61	5.54	5.64
29	16.02	14.79	10.58	15.71	---	11.27	8.55	11.48	7.22	6.64	5.54	5.65
30	14.32	17.49	11.10	14.95	---	10.90	8.53	12.13	7.07	6.51	5.55	5.64
31	11.80	---	11.73	14.05	---	10.62	---	11.95	---	6.34	5.54	---
MEAN	---	13.22	13.23	13.70	10.54	13.33	9.87	13.34	10.32	6.92	6.18	5.80
MAX	---	17.49	18.01	17.18	13.28	17.41	12.66	19.66	17.12	9.05	7.62	6.45
MIN	---	8.91	10.58	10.27	9.27	10.62	8.53	9.20	7.07	6.01	5.54	5.49

02431000 TOMBIGBEE RIVER NEAR FULTON, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1750	494	14100	770	1060	752	542	1060	619	133	74	46
2	1060	381	10200	695	951	735	508	974	456	143	86	49
3	728	547	5990	616	880	1180	481	754	397	153	83	50
4	488	878	3420	551	811	1220	453	1240	347	354	71	52
5	358	912	2290	522	754	958	433	1760	292	241	132	51
6	263	1030	1650	550	675	806	421	1220	257	157	119	49
7	208	1150	1180	663	601	714	402	5530	798	136	97	45
8	475	984	982	1010	567	704	382	27400	6920	124	87	43
9	1160	872	958	2610	553	844	366	25400	7590	112	86	40
10	1020	747	1050	1920	550	1910	347	12900	4330	108	87	40
11	773	606	945	1720	540	2220	678	6920	2410	225	91	40
12	658	484	870	1160	527	1870	933	3370	1370	205	93	40
13	503	410	818	1040	559	1580	745	2600	795	148	96	85
14	400	366	882	972	620	6130	603	3070	534	178	196	89
15	330	337	1020	844	571	9570	506	2130	384	168	160	97
16	270	450	910	784	528	6860	431	1660	314	172	111	95
17	230	1650	891	1570	503	3720	378	1140	271	141	92	84
18	210	2650	1280	2570	481	2170	528	861	241	116	84	79
19	190	2420	1290	2010	456	1520	707	726	358	102	74	73
20	180	1930	1160	1600	421	1120	550	651	559	92	67	65
21	170	2460	1030	1230	432	955	451	624	446	85	62	58
22	160	8740	857	1050	442	883	393	590	349	79	59	52
23	150	7590	716	966	431	824	368	559	317	75	56	51
24	200	5340	680	1180	435	747	359	525	671	68	53	49
25	500	3180	908	4330	421	872	454	442	393	70	49	47
26	1000	1960	839	7910	406	931	464	392	252	133	45	46
27	2160	1330	705	5160	382	826	390	373	205	121	44	46
28	3750	1130	617	3640	490	750	328	502	180	109	42	47
29	2790	1680	570	2300	---	681	294	717	158	110	42	47
30	1410	10300	655	1680	---	620	292	833	145	101	42	47
31	780	---	761	1240	---	576	---	802	---	89	42	---
TOTAL	24324	63008	60224	54863	16047	55248	14187	107725	32358	4248	2522	1702
MEAN	785	2100	1943	1770	573	1782	473	3475	1079	137	81.4	56.7
MAX	3750	10300	14100	7910	1060	9570	933	27400	7590	354	196	97
MIN	150	337	570	522	382	576	292	373	145	68	42	40
CFSM	1.28	3.43	3.18	2.89	.94	2.91	.77	5.68	1.76	.22	.13	.09
IN.	1.48	3.83	3.66	3.33	.98	3.36	.86	6.55	1.97	.26	.15	.10

CAL YR 1977	TOTAL	400867	MEAN	1098	MAX	20400	MIN	47	CFSM	1.79	IN	24.37
WTR YR 1978	TOTAL	436456	MEAN	1196	MAX	27400	MIN	40	CFSM	1.95	IN	26.53

MOBILE RIVER BASIN

02431000 TOMBIGBEE RIVER NEAR FULTON, MS--Continued

WATER-QUALITY RECORDS

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, RIN- CHEM- ICAL 30 DAY (MG/L)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)
OCT 14...	0900	396	50	7.4	11.5	30	7.8	1.7	5.0	18	0
NOV 10...	0930	752	65	7.1	15.0	35	6.6	3.3	--	33	0
FEB 17...	1130	502	79	7.3	6.5	15	8.0	2.1	--	24	0
MAR 09...	1500	813	78	7.7	7.0	30	6.0	2.1	--	23	0
JUN 01...	1030	624	68	7.6	25.5	45	7.0	2.5	--	22	0
JUL 10...	0930	108	80	6.1	27.5	30	7.1	2.4	--	42	0
AUG 07...	1145	97	80	6.6	27.0	40	6.5	2.9	--	32	0
SEP 05...	1200	51	85	7.0	25.5	20	8.7	1.8	--	31	0

DATE	ALKA- LITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 14...	15	1.1	.06	.04	.47	.51	.57	2.5	.12	.01
NOV 10...	27	4.2	.06	.01	.57	.58	.64	2.8	.09	.02
FEB 17...	20	1.9	.10	.04	.24	.28	.38	1.7	.03	.00
MAR 09...	19	.7	.13	.02	.36	.38	.51	2.3	.07	.01
JUN 01...	18	.9	.15	.06	.61	.67	.82	3.6	.10	.02
JUL 10...	34	53	.06	.04	.56	.60	.66	2.9	.09	.05
AUG 07...	26	13	.08	.07	.52	.59	.67	3.0	.12	.06
SEP 05...	25	5.0	.04	.05	.48	.53	.57	2.5	.07	.05

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, near left bank on downstream side of bridge on U.S. Highway 78, 0.7 mi (1.1 km) northwest of Tremont, 1 mi (1.6 km) upstream from Johns Creek, 1.5 mi (2.4 km) upstream from Cypress Creek, 3.2 mi (5.1 km) upstream from Chubby Creek, and 8 mi (12.9 km) southeast of Fulton.

DRAINAGE AREA.--136 mi² (353 km²).

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 (96.740 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 22, 1949, staff gage at same site and datum.

REMARKS.--Records fair; discharges over 200 ft³/s (5.664 m³/s) not determined.

AVERAGE DISCHARGE.--21 years (water years 1944-64), 212 ft³/s (6.004 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 11.28 ft (3.438 m) Mar. 21, 1955 (discharge not determined). Minimum discharge, 4.6 ft³/s (0.13 m³/s) Sept. 13, 1954, gage height, 1.78 ft (0.542 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood of March 1973 reached a stage of 13.1 ft (3.99 m) from floodmark by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 8.04 ft (2.451 m) May 8 (discharge not determined); minimum discharge, 5.5 ft³/s (0.16 m³/s) Sept. 11, gage height, 1.79 ft (0.546 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	82	---	142	174	133	124	153	91	31	11	13
2	158	76	---	136	169	114	118	169	77	50	11	15
3	119	111	---	125	156	177	112	138	72	50	11	15
4	88	---	---	119	148	160	107	---	68	37	11	14
5	70	---	---	119	141	137	106	---	61	33	39	11
6	60	---	---	130	133	128	102	177	57	29	34	9.1
7	52	184	177	143	126	127	99	---	153	26	21	7.8
8	148	156	165	---	122	143	95	---	---	25	18	6.7
9	---	137	177	---	119	---	92	---	---	31	18	6.3
10	---	121	166	---	117	---	88	---	148	33	26	6.3
11	153	105	149	---	114	---	127	---	117	34	27	6.7
12	131	94	143	195	111	---	138	---	97	31	29	35
13	106	87	140	---	117	---	109	---	84	29	25	59
14	86	81	153	180	121	---	97	---	72	27	45	125
15	76	78	149	162	106	---	89	---	60	26	32	52
16	67	96	136	155	101	---	84	---	55	29	21	34
17	60	---	145	---	99	---	80	184	51	25	18	28
18	54	---	179	---	97	---	168	162	47	22	16	24
19	51	200	156	192	93	---	---	176	124	19	17	21
20	47	169	146	189	91	200	151	152	113	18	26	20
21	44	---	136	171	92	186	129	134	71	21	16	19
22	42	---	127	162	90	177	113	124	60	19	14	18
23	40	---	119	157	88	163	108	135	54	18	12	18
24	39	---	122	190	88	155	112	118	52	16	11	19
25	179	---	174	---	85	---	---	103	48	14	10	18
26	---	---	160	---	83	192	---	93	43	15	10	18
27	168	---	142	---	79	166	158	84	39	21	8.7	19
28	135	---	132	---	109	153	134	80	36	18	8.3	22
29	116	---	125	---	---	143	118	89	34	17	7.1	28
30	100	---	146	---	---	135	109	148	32	15	7.4	24
31	90	---	152	186	---	129	---	119	---	12	10	---
TOTAL	---	---	---	---	3169	---	---	---	---	791	570.5	711.9
MEAN	---	---	---	---	113	---	---	---	---	25.5	18.4	23.7
MAX	---	---	---	---	174	---	---	---	---	50	45	125
MIN	---	---	---	---	79	---	---	---	---	12	7.1	6.3
CFSM	---	---	---	---	.94	---	---	---	---	.21	.15	.20
IN.	---	---	---	---	.98	---	---	---	---	.25	.18	.22

MOBILE RIVER BASIN

02433000 BULL MOUNTAIN CREEK NEAR SMITHVILLE, MS

LOCATION.--Lat 34°05'18", long 88°23'26", in SW¼SE¼ 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 (60 m) upstream from bridge on State Highway 25, 0.8 mi (1.3 km) upstream from Mississippian Railway bridge, 1.1 mi (1.8 km) north of Smithville, and 3.5 mi (5.6 km) upstream from mouth.

DRAINAGE AREA.--336 mi² (870 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1940 to current year.

REVISED RECORDS.--WSP 1504: 1948. WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 234.81 ft (71.570 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 15, 1948, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--38 years, 563 ft³/s (15.94 m³/s), 22.75 in/yr (578 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,400 ft³/s (1,260 m³/s) Mar. 16, 1973, gage height, 18.26 ft (5.566 m); minimum, 19 ft³/s (0.54 m³/s) Aug. 28 to Sept. 3, 1943 (period of doubtful gage height record), Sept. 10, 13, 14, 15, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of December 1926 reached a stage of 15.7 ft (4.785 m), from floodmark, discharge about 29,000 ft³/s (821 m³/s), from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft³/s (142 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 16	0300	5950 169	11.65 3.551	May 9	0430	*12000 340	13.13 4.002

Minimum discharge, 29 ft³/s (0.82 m³/s) Sept. 11, gage height, 2.29 ft (0.698 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	620	239	2290	533	706	483	416	452	296	88	56	42
2	500	216	2520	481	659	494	395	679	232	84	53	48
3	400	262	2180	439	614	614	371	583	203	118	52	51
4	320	404	1360	397	552	727	350	622	191	119	64	52
5	250	622	1010	385	512	578	336	895	188	104	61	50
6	210	721	886	439	478	478	332	814	182	94	129	45
7	180	639	760	533	444	465	317	1420	201	81	129	42
8	500	520	631	874	419	520	302	4700	712	74	87	36
9	1500	419	645	1260	404	805	290	10600	1130	70	76	32
10	1200	354	682	1450	397	1140	276	6480	1290	77	69	31
11	800	304	611	1200	388	1320	310	3590	694	108	80	32
12	500	258	527	844	373	1330	496	2300	376	106	90	44
13	400	232	504	781	378	1030	470	1830	284	102	94	81
14	314	214	536	757	400	1810	345	1420	232	106	93	147
15	262	203	566	636	385	3100	296	1280	191	95	114	232
16	232	243	514	564	343	5070	270	895	170	87	105	158
17	218	645	509	703	330	2930	250	709	163	85	83	117
18	198	1100	636	943	319	1590	308	608	144	79	70	89
19	183	1210	679	850	310	1010	769	533	248	73	64	80
20	174	721	566	730	300	838	700	530	306	68	59	75
21	166	1330	504	667	296	742	465	457	286	64	66	70
22	156	2650	455	592	298	676	383	395	185	64	59	66
23	150	4170	421	561	292	625	339	390	160	63	51	64
24	142	3750	404	628	288	572	325	402	158	61	49	62
25	334	2330	455	1030	286	775	336	341	139	59	47	60
26	850	1210	679	1600	276	799	586	288	132	57	45	60
27	1000	874	544	1840	266	659	522	254	122	59	43	61
28	552	823	460	2020	354	566	395	232	106	73	42	62
29	385	1290	421	1370	---	514	328	232	100	67	42	64
30	319	1640	444	922	---	478	294	296	95	62	42	77
31	272	---	552	781	---	444	---	388	---	60	41	---
TOTAL	13287	29593	23951	26810	11067	33182	11572	44615	8916	2507	2155	2130
MEAN	429	986	773	865	395	1070	386	1439	297	80.9	69.5	71.0
MAX	1500	4170	2520	2020	706	5070	769	10600	1290	119	129	232
MIN	142	203	404	385	266	444	250	232	95	57	41	31
CFSM	1.28	2.94	2.30	2.57	1.18	3.19	1.15	4.28	.88	.24	.21	.21
IN.	1.47	3.28	2.65	2.97	1.23	3.67	1.28	4.94	.99	.28	.24	.24

CAL YR 1977 TOTAL 240408 MEAN 659 MAX 15700 MIN 38 CFMS 1.96 IN 26.62
WTR YR 1978 TOTAL 209785 MEAN 575 MAX 10600 MIN 31 CFMS 1.71 IN 23.23

02433000 BULL MOUNTAIN CREEK NEAR SMITHVILLE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1972, 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)
OCT 14...	1000	314	25	7.6	12.0	10	7.6	1.2	8	0
NOV 10...	1200	330	21	7.5	15.0	20	6.1	3.0	16	0
FEB 17...	1030	330	27	7.4	6.5	7.0	10.2	2.1	7	0
AUG 07...	1315	123	30	6.5	24.0	15	8.0	1.3	12	0
SEP 05...	1300	50	34	6.5	23.0	8.0	8.3	1.0	9	0

DATE	ALKA- LITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 14...	7	.3	.16	.01	.17	.18	.34	1.5	.04	.01
NOV 10...	13	.8	.09	.01	.40	.41	.50	2.2	.03	.01
FEB 17...	6	.4	.22	.02	.20	.22	.44	1.9	.01	.00
AUG 07...	10	6.1	.14	.01	.33	.34	.48	2.1	.02	.05
SEP 05...	7	4.6	.10	.01	.28	.29	.39	1.7	.02	.02

02433500 TOMBIGBEE RIVER AT BIGBEE, MS

LOCATION.--Lat 34°00'42", long 88°30'50", in SW¼NE¼ 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 (0.3 km) upstream from St. Louis-San Francisco Railway bridge, 0.5 mi (0.8 km) southeast of Bigbee, 2 mi (3 km) northwest of Amory, 3.7 mi (6.0 km) upstream from Town Creek, and at mile 383.1 (616.4 km).

DRAINAGE AREA.--1,226 mi² (3,175 km²).

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 (57.912 m) National Geodetic Vertical Datum (levels by 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 (6.4 km) downstream, used as an auxiliary gage for this station.

REMARKS.--Records good, except those for period of no gage-height record June 16 to July 31, which are fair.

AVERAGE DISCHARGE.--25 years, 2,103 ft³/s (59.56 m³/s), 23.29 in/yr (592 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 112,000 ft³/s (3,170 m³/s) Mar. 17, 1973, gage height, 27.64 ft (8.425 m); minimum, 29 ft³/s (0.82 m³/s).

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 (7.99 m), from floodmark, discharge, 73,000 ft³/s (2,070 m³/s). Flood of December 1926 reached a stage of 24.2 ft (7.38 m), from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 12,000 ft³/s (340 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Dec. 2	2330	16800 476	16.94 5.163	May 10	0115	*43500 1230	22.65 6.904
Mar. 16	2115	15200 430	16.24 4.950				

Minimum discharge, 111 ft³/s (3.14 m³/s) Sept. 10-12, gage height, 1.83 ft (0.558 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	UCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3410	1870	7190	1610	3340	1430	1110	2210	1260	380	221	121
2	3930	1180	15000	1530	2700	1600	1030	2260	948	420	204	124
3	3130	1040	15500	1400	2260	2360	959	1990	840	370	197	134
4	2120	1440	10400	1250	1950	2270	900	1940	740	400	211	137
5	1250	1980	7130	1150	1750	2180	848	2060	660	500	221	139
6	833	2190	5340	1300	1590	1950	818	2360	700	450	254	138
7	630	2060	4170	1520	1430	1740	794	4490	1410	350	345	132
8	675	1950	3200	2310	1300	1710	761	11200	2940	320	276	127
9	1830	1820	2730	3760	1220	2230	732	32200	3720	350	240	118
10	2440	1610	2420	3490	1190	3310	704	37600	5870	330	229	113
11	2320	1380	2190	3610	1160	3250	775	22600	6260	350	231	111
12	1650	1130	1970	3210	1130	3760	1220	12100	4550	400	242	113
13	1280	921	1810	2970	1130	3760	1490	7750	3190	430	253	122
14	976	794	1810	2660	1190	6350	1230	6080	2140	390	249	277
15	757	728	1870	2260	1220	7420	987	5020	1220	350	291	405
16	634	775	1870	1950	1120	13000	833	4350	1000	330	350	357
17	552	2360	1910	2170	1050	12600	732	2740	900	310	276	278
18	495	2460	2460	2520	1010	8430	853	2810	800	290	236	232
19	450	3060	2330	2850	965	5750	1480	2080	2000	270	220	208
20	422	3110	2280	3150	927	4070	1570	1620	1500	250	205	192
21	405	5130	2160	3140	895	2990	1130	1360	2000	240	193	177
22	383	7080	1970	2780	900	2370	890	1160	1100	230	189	163
23	368	8480	1740	2490	900	1960	779	1070	900	210	175	153
24	351	12400	1520	2310	879	1750	740	1030	860	200	164	146
25	921	9960	1630	3890	879	2020	728	927	940	190	157	142
26	2330	7480	1810	5430	848	1980	916	860	800	200	148	138
27	2610	5210	1730	7560	818	1840	1020	800	600	210	138	139
28	2590	4080	1480	9170	1020	1630	803	760	500	250	130	143
29	2650	4340	1300	7730	---	1470	687	1260	450	270	126	142
30	2720	5030	1330	5710	---	1340	622	1790	400	240	124	146
31	2510	---	1550	4330	---	1240	---	1480	---	240	123	---
TOTAL	47622	103048	111800	101210	36771	109760	28141	177957	51198	9720	6618	5067
MEAN	1536	3435	3606	3265	1313	3541	938	5741	1707	314	213	169
MAX	3930	12400	15500	9170	3340	13000	1570	37600	6260	500	350	405
MIN	351	728	1300	1150	818	1240	622	760	400	190	123	111
CFSM	1.25	2.80	2.94	2.66	1.07	2.89	.77	4.68	1.39	.26	.17	.14
IN.	1.44	3.13	3.39	3.07	1.12	3.33	.85	5.40	1.55	.29	.20	.15

CAL YR 1977	TOTAL	779869	MEAN	2137	MAX	32700	MIN	103	CFSM	1.74	IN	23.66
WTR YR 1978	TOTAL	788912	MEAN	2161	MAX	37600	MIN	111	CFSM	1.76	IN	23.94

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 (120 m) upstream from Kings Creek, 0.2 mi (0.3 km) downstream from Mud Creek; 0.4 mi (0.6 km) downstream from St. Louis and San Francisco Railroad, and 2.0 mi (3.2 km) upstream from Tulip Creek.

DRAINAGE AREA.--230 mi² (596 km²), includes that of Kings Creek.

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

GAGE.--Water-stage recorder. Datum of gage is 230.00 ft (70.104 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records fair. Discharge includes flow of Kings Creek.

AVERAGE DISCHARGE.--8 years, 493 ft³/s (13.96 m³/s), 29.11 in/yr (739 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,600 ft³/s (640 m³/s) May 7, 1978, gage height, 27.08 ft (8.254 m); minimum, 1.9 ft³ (0.054 m³/s) Sept. 13, 1977, gage height, 2.62 ft (0.799 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft³/s (227 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Nov. 21	1945	8510	241	June 8	0045	12600	357
May 7	2330	*22600	640				25.51
			27.08				7.775

Minimum discharge, 3.8 ft³/s (0.11 m³/s) Sept. 8, gage height, 2.67 ft (0.814 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.48	2.98	21.20	3.38	3.81	3.70	3.04	12.43	3.51	---	2.73	2.71
2	4.14	2.93	12.29	3.28	3.71	4.36	3.02	4.71	3.55	---	2.72	2.74
3	3.33	4.11	9.49	3.20	3.54	8.40	3.00	4.49	---	---	2.71	2.72
4	3.04	3.43	7.30	3.18	3.45	4.28	2.97	15.24	---	---	2.75	2.72
5	2.92	5.74	6.41	3.19	3.40	3.60	2.94	6.78	---	3.01	3.39	2.71
6	2.88	3.80	5.29	3.54	3.30	3.40	2.92	5.17	---	2.95	3.04	2.74
7	2.86	3.34	4.58	3.32	3.20	3.90	2.91	20.90	15.69	2.93	2.86	2.69
8	7.61	3.15	4.22	10.27	3.20	3.55	2.90	25.76	23.98	2.90	2.81	2.68
9	5.34	3.08	5.55	9.09	3.20	7.24	2.90	22.99	13.42	2.88	2.80	2.68
10	3.32	3.05	4.20	4.53	3.20	11.78	2.95	15.78	8.46	2.88	2.78	2.71
11	3.07	3.00	3.71	3.77	3.20	6.14	3.60	11.86	6.83	2.93	2.83	2.69
12	3.00	2.96	3.40	3.78	3.25	6.70	3.55	11.22	4.85	2.87	2.80	2.71
13	2.95	2.94	3.43	4.29	3.40	5.95	3.20	16.62	4.37	3.07	2.78	2.91
14	2.92	2.91	5.61	3.77	3.30	22.17	3.05	9.62	4.01	3.11	2.88	3.14
15	2.90	2.92	4.16	3.39	3.25	16.40	3.00	7.20	3.76	2.88	2.82	2.84
16	2.89	5.74	3.66	3.99	3.15	8.78	2.95	6.13	3.50	2.84	2.76	2.72
17	2.87	13.67	7.07	15.71	3.10	6.10	3.10	5.20	---	2.81	2.74	2.71
18	2.86	5.36	7.30	7.10	3.05	5.10	3.20	4.43	---	2.79	2.73	2.71
19	2.85	3.72	4.29	5.14	3.05	4.55	---	4.10	8.30	2.78	2.72	2.69
20	2.83	4.07	3.73	4.45	3.00	4.10	---	3.83	6.40	2.77	2.71	2.68
21	2.82	17.17	3.42	4.12	3.16	3.75	---	5.80	10.37	2.77	2.71	2.69
22	2.80	19.34	3.31	4.19	3.15	3.45	---	4.60	4.62	2.76	2.70	2.68
23	2.78	9.14	3.27	4.48	3.14	3.25	---	5.01	3.73	2.75	2.70	2.68
24	2.97	6.06	3.80	12.93	3.10	3.20	3.03	3.58	4.85	2.74	2.70	2.69
25	14.45	5.03	4.06	21.84	3.10	5.20	3.23	3.40	3.51	2.76	2.69	2.70
26	8.21	4.29	3.36	17.26	3.10	4.08	3.09	3.35	---	2.88	2.69	2.70
27	3.97	3.91	3.27	8.94	3.15	3.25	3.01	3.40	---	2.80	2.70	2.71
28	3.23	4.73	3.21	6.30	3.75	3.16	3.02	5.65	---	2.78	2.73	2.74
29	3.11	17.80	3.20	5.05	---	3.12	3.05	8.27	---	2.76	2.70	2.70
30	3.05	23.20	3.90	4.45	---	3.10	3.45	11.73	---	2.74	2.71	2.68
31	3.02	---	3.61	3.99	---	3.07	---	4.28	---	2.73	2.73	---
MEAN	3.82	6.45	5.33	6.32	3.26	5.77	---	8.82	---	---	2.78	2.73
MAX	14.45	23.20	21.20	21.84	3.81	22.17	---	25.76	---	---	3.39	3.14
MIN	2.78	2.91	3.20	3.18	3.00	3.07	---	3.35	---	---	2.69	2.68

MOBILE RIVER BASIN

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

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	128	33	5440	166	230	215	51	1750	189	56	6.0	5.2
2	224	26	1740	143	218	303	45	345	194	70	5.6	6.4
3	103	218	1080	119	194	882	41	314	140	60	5.2	5.6
4	44	120	704	108	179	292	32	2670	110	50	6.9	5.6
5	25	458	573	113	170	203	25	630	90	43	166	5.2
6	20	175	422	192	149	170	21	406	110	27	54	6.9
7	17	111	327	153	119	240	19	4670	4700	23	14	4.5
8	813	68	281	1490	119	195	18	14000	8780	18	10	4.2
9	403	64	456	1140	119	834	18	6860	2150	16	9.5	4.2
10	104	46	277	321	119	1630	27	2790	886	16	8.4	5.2
11	55	36	215	224	119	536	203	1610	635	23	12	4.9
12	40	30	170	225	133	616	195	1450	364	15	9.5	5.2
13	23	28	174	290	170	538	119	3100	299	71	8.4	34
14	28	25	467	224	149	5880	54	1110	254	79	16	97
15	25	26	273	168	133	3020	41	688	223	16	11	13
16	23	477	210	252	92	951	27	533	188	12	7.4	6.9
17	21	2170	724	2780	71	530	71	408	140	10	6.4	6.4
18	20	436	719	688	54	395	119	307	120	8.9	6.0	6.4
19	18	217	290	400	54	323	90	266	965	8.4	5.6	5.6
20	16	256	219	309	41	266	60	232	654	7.9	5.2	5.2
21	15	4560	174	268	97	222	55	507	1390	7.9	5.2	5.6
22	13	4470	151	277	92	179	45	331	332	7.4	4.9	5.6
23	11	1030	140	313	88	133	50	390	219	6.9	4.9	5.6
24	51	525	220	2340	71	119	48	198	364	6.4	4.9	5.6
25	2520	386	259	5320	71	411	128	170	189	7.9	4.5	6.0
26	916	290	161	3470	71	265	67	159	120	17	4.5	6.0
27	203	242	140	978	92	133	43	170	95	9.5	4.9	6.9
28	92	351	122	560	222	97	45	556	80	8.4	6.0	7.9
29	59	3760	119	390	---	79	54	985	70	7.4	4.9	6.0
30	46	6810	239	310	---	71	113	1750	64	6.4	5.2	5.2
31	40	---	204	252	---	60	---	287	---	6.0	6.0	---
TOTAL	6116	27444	16690	23983	3436	19788	1924	49642	24114	721.4	429.0	298.0
MEAN	197	915	538	774	123	638	64.1	1601	804	23.3	13.8	9.93
MAX	2520	6810	5440	5320	230	5880	203	14000	8780	79	166	97
MIN	11	25	119	108	41	60	18	159	64	6.0	4.5	4.2
CFSM	.86	3.98	2.34	3.37	.54	2.77	.28	6.96	3.50	.10	.06	.04
IN.	.99	4.44	2.70	3.88	.56	3.20	.31	8.03	3.90	.12	.07	.05
CAL YR 1977	TOTAL	143037.6	MEAN	392	MAX	14000	MIN	2.3	CFSM	1.70	IN	23.13
WTR YR 1978	TOTAL	174585.4	MEAN	478	MAX	14000	MIN	4.2	CFSM	2.08	IN	28.24

02436500 TOWN CREEK NEAR NETTLETON, MS

LOCATION.--Lat 34°03'32", long 88°37'40", in NW¼ 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, 1.9 mi (3.1 km) downstream from Tallabinnella Creek, 2 mi (3 km) downstream from Tubbalubba Creek, and 2.1 mi (3.4 km) south of Nettleton.

DRAINAGE AREA.--617 mi² (1,598 km²).

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.

GAGE.--Water-stage recorder. Datum of gage is 194.01 ft (59.134 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Oct. 1, 1947, at datum 10.00 ft (3.048 m) higher.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--39 years, 935 ft³/s (26.48 m³/s), 20.58 in/yr (523 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 151,000 ft³/s (4,280 m³/s) Mar. 22, 1955, gage height, 33.88 ft (10.327 m); minimum, 0.8 ft³/s (0.023 m³/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 (9.91 m), present datum, from floodmark.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 15,000 ft³/s (425 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Nov. 21	1845	17700 501	26.58 8.102	May 8	1600	*38100 1080	29.71 9.056
Mar. 14	0715	20800 589	27.27 8.312				

Minimum daily discharge, 14 ft³/s (0.40 m³/s) Sept. 11, 12 (occurred during period of no gage-height record).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	188	91	10500	391	629	747	235	3720	350	90	28	21
2	529	76	4190	322	540	1130	225	1350	400	147	27	20
3	208	672	2430	320	460	2720	215	671	350	77	26	19
4	93	457	1600	280	400	916	210	4360	320	81	26	21
5	73	1060	1350	270	370	536	200	1900	290	85	124	20
6	61	576	936	776	350	444	195	944	270	69	97	19
7	52	356	652	569	335	532	185	16500	4710	54	44	18
8	1040	228	543	4020	320	675	180	31500	12300	48	37	17
9	1320	179	924	3310	300	2150	175	19000	6690	45	39	16
10	295	148	664	996	280	3860	170	7540	2140	42	36	15
11	161	119	453	671	280	1510	762	4250	1430	63	36	14
12	121	98	388	614	310	1390	583	3530	956	44	35	14
13	98	88	362	924	350	1080	332	6050	690	40	32	20
14	87	82	968	671	320	16600	230	2850	520	114	34	130
15	76	103	652	471	290	9580	190	1540	440	50	37	80
16	64	1410	453	547	260	3070	180	1110	380	45	30	50
17	62	4200	1790	5280	230	1860	250	800	340	41	29	35
18	56	1380	2250	1990	210	1240	568	565	320	37	28	27
19	55	547	816	1070	200	956	327	471	2590	36	27	27
20	58	417	561	884	200	777	250	411	1110	35	25	25
21	53	9990	404	754	230	671	220	694	2050	33	22	22
22	45	11600	322	828	200	565	200	558	908	32	17	23
23	40	3470	300	920	208	486	190	828	360	31	17	22
24	40	1500	350	4930	203	468	180	405	400	29	16	21
25	2840	1030	772	11100	190	808	230	310	320	32	16	24
26	2050	696	350	8550	175	511	215	270	230	50	16	21
27	460	536	330	2790	166	411	200	250	160	39	15	21
28	241	748	300	1670	1040	350	185	350	135	35	20	25
29	159	5060	280	1110	---	310	175	1910	118	32	23	24
30	124	10500	621	868	---	280	170	3670	102	29	23	22
31	102	---	522	716	---	250	---	747	---	27	22	---
TOTAL	10851	57417	37033	58612	9046	56883	7627	119054	41379	1612	1004	833
MEAN	350	1914	1195	1891	323	1835	254	3840	1379	52.0	32.4	27.8
MAX	2840	11600	10500	11100	1040	16600	762	31500	12300	147	124	130
MIN	40	76	280	270	166	250	170	250	102	27	15	14
CFSM	.57	3.10	1.94	3.07	.52	2.97	.41	6.22	2.24	.08	.05	.05
IN.	.65	3.46	2.23	3.53	.55	3.43	.46	7.18	2.49	.10	.06	.05
CAL YR 1977 TOTAL	328595			900	MAX 28800	MIN 14	CFSM 1.46	IN 19.81				
WTR YR 1978 TOTAL	401351			1100	MAX 31500	MIN 14	CFSM 1.78	IN 24.20				

MOBILE RIVER BASIN

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 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)
OCT 13...	1000	103	241	7.5	13.0	20	9.0	4.9	110	0
NOV 09...	1330	198	250	7.7	20.5	30	8.2	5.2	130	0
FEB 17...	0900	219	210	7.5	6.0	15	10.4	3.0	110	0
AUG 07...	1030	42	350	7.5	28.0	15	8.5	7.6	110	0
SEP 05...	1015	17	579	8.4	26.5	5.0	14.0	6.7	180	0

DATE	ALKAL- INITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 13...	90	5.6	.34	.17	.83	1.0	1.3	5.9	.41	.29
NOV 09...	110	4.2	.30	.19	1.2	1.4	1.7	7.5	.36	.20
FEB 17...	90	5.6	.22	.40	.52	.92	1.1	5.0	.22	.12
AUG 07...	90	5.6	.50	.47	1.3	1.8	2.3	10	.39	.27
SEP 05...	150	1.1	.38	.18	1.9	2.1	2.5	11	.85	.78

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 (0.5 km) downstream from Town Creek, 3.5 mi (5.6 km) west of Amory, and at mile 378.9 (609.7 km).

DRAINAGE AREA.--1,924 mi² (4,983 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1937 to current year. Monthly discharge only for October and November 1937, published in WSP 1304. Daily mean gage heights published since October 1971.

REVISED RECORDS.--WSP 1504: 1948. WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 178.34 ft (54.358 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 10, 1939, nonrecording gage at site 1,500 ft (460 m) 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 (32 km) downstream, was used as an auxiliary gage for this station 1950-58.

REMARKS.--Records good.

AVERAGE DISCHARGE.--41 years, 3,074 ft³/s (87.06 m³/s), 21.70 in/yr (551 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 162,000 ft³/s (4,590 m³/s) Mar. 17, 1973, gage height, 34.65 ft (10.561 m); minimum discharge, 45 ft³/s (1.27 m³/s) Sept. 20, 1954; minimum gage height, 0.77 ft (0.235 m) Sept. 1, 1943.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1892 reached a stage of 33.5 ft (10.21 m) and the flood of Dec. 26 reached a stage of 31.5 ft (9.60 m), from Corps of Engineers profiles.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 15,000 ft³/s (425 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Nov. 22	1545	19400 549	23.39 7.129	Mar. 15	0615	21100 598	23.96 7.303
Dec. 2	0715	19600 555	23.46 7.151	May 10	--	*59700 1690	a29.67 9.043
Jan. 6	0945	16700 473	22.38 6.821				

a From floodmark.

Minimum discharge, 117 ft³/s (3.31 m³/s) Sept. 11, gage height, 4.58 ft (1.396 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.92	9.19	22.79	9.09	12.49	9.67	8.27	12.17	9.11	6.06	5.23	4.73
2	12.48	7.92	23.38	8.84	11.35	9.40	8.05	13.24	8.32	6.17	5.15	4.73
3	11.38	8.35	23.03	8.46	10.50	13.53	7.85	10.60	7.84	6.01	5.09	4.80
4	9.66	9.16	21.55	8.13	9.91	11.28	7.71	14.72	7.38	6.09	5.15	4.80
5	8.04	10.09	19.40	7.95	9.49	10.27	7.60	13.79	7.10	6.49	5.43	4.78
6	7.11	10.63	17.10	8.71	9.09	9.77	7.49	11.62	6.88	6.34	5.68	4.76
7	6.55	9.87	14.70	9.44	8.75	9.46	7.43	16.80	11.42	5.99	5.78	4.75
8	7.35	9.48	12.69	12.98	8.48	9.82	7.31	26.63	19.87	5.82	5.51	4.72
9	11.20	9.18	11.90	17.82	8.29	11.07	7.25	29.47	20.95	5.87	5.35	4.67
10	10.18	8.74	11.26	13.81	8.21	16.82	7.15	29.06	18.39	5.83	5.29	4.65
11	9.92	8.23	10.45	12.51	8.11	14.52	8.00	26.69	17.72	5.91	5.28	4.60
12	8.79	7.71	9.95	11.82	8.02	13.51	8.96	23.93	15.52	6.03	5.36	4.62
13	8.00	7.25	9.60	11.84	8.16	13.40	8.93	22.61	13.11	6.13	5.35	4.75
14	7.36	6.94	10.33	11.18	8.33	20.35	8.40	20.85	11.10	6.07	5.33	5.53
15	6.85	6.83	10.18	10.27	8.20	23.73	7.88	18.26	9.13	5.99	5.58	6.37
16	6.48	8.10	9.76	9.74	8.00	22.63	7.49	16.17	8.03	5.88	5.71	5.86
17	6.23	14.83	10.92	15.74	7.81	22.09	7.21	14.08	7.36	5.82	5.43	5.49
18	6.06	13.14	13.32	14.58	7.68	20.19	7.89	12.35	6.95	5.72	5.28	5.26
19	5.93	11.60	11.02	12.20	7.56	17.57	8.90	10.98	11.21	5.60	5.17	5.15
20	5.86	11.48	10.51	12.06	7.45	14.91	8.86	10.01	9.24	5.55	5.08	5.07
21	5.81	15.26	10.07	11.85	7.40	12.71	8.07	9.73	11.09	5.52	5.01	4.99
22	5.72	22.91	9.63	11.54	7.41	11.24	7.49	9.44	8.49	5.43	4.97	4.91
23	5.66	22.10	9.18	11.13	7.38	10.38	7.20	9.65	7.63	5.38	4.90	4.85
24	5.62	21.23	8.78	13.63	7.33	9.89	7.09	8.68	7.72	5.29	4.86	4.80
25	9.79	20.75	9.61	20.60	7.31	10.94	7.06	8.28	7.86	5.22	4.83	4.79
26	13.07	19.03	9.38	22.07	7.22	10.31	7.42	7.77	7.22	5.28	4.80	4.78
27	10.82	16.62	9.15	20.33	7.12	9.86	7.66	7.49	6.70	5.33	4.75	4.77
28	10.44	14.18	8.58	19.93	8.58	9.42	7.17	7.32	6.45	5.47	4.71	4.82
29	10.30	17.09	8.22	18.78	---	9.05	6.87	10.80	6.31	5.38	4.69	4.83
30	10.38	20.49	8.72	16.56	---	8.76	6.71	13.97	6.17	5.36	4.72	4.84
31	10.10	---	9.28	14.24	---	8.54	---	10.55	---	5.29	4.74	---
MEAN	8.52	12.61	12.40	13.16	8.42	13.07	7.71	14.76	10.08	5.75	5.17	4.95
MAX	13.07	22.91	23.38	22.07	12.49	23.73	8.96	29.47	20.95	6.49	5.78	6.37
MIN	5.62	6.83	8.22	7.95	7.12	8.54	6.71	7.32	6.17	5.22	4.69	4.60

CAL YR 1977 MEAN 9.24 MAX 28.08 MIN 4.44
WTR YR 1978 MEAN 9.74 MAX 29.47 MIN 4.60

MOBILE RIVER BASIN

02437000 TOMBIGBEE RIVER NEAR AMORY, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3150	2340	17800	2280	4220	2610	1810	4170	2290	433	217	137
2	4220	1620	19400	2140	3570	2460	1690	4680	1840	472	195	139
3	3590	1860	18400	1920	3090	4840	1580	3140	1570	421	182	153
4	2610	2320	14700	1730	2750	3540	1500	5600	1310	444	197	155
5	1680	2850	10400	1630	2510	2950	1440	4990	1160	588	295	151
6	1160	3160	7400	2060	2280	2670	1370	3720	1030	532	385	149
7	865	2730	5560	2480	2090	2490	1340	9230	3740	415	421	147
8	1320	2500	4340	4760	1930	2700	1270	34000	11300	367	325	143
9	3480	2330	3880	8270	1960	3440	1240	57300	13300	379	265	133
10	2900	2080	3520	5010	1780	7080	1180	52700	8850	370	248	131
11	2750	1790	3060	4240	1720	5430	1690	33800	8010	391	245	121
12	2110	1500	2770	3840	1670	4830	2210	21200	5880	424	280	127
13	1660	1240	2570	3850	1750	4760	2190	17300	4040	458	274	153
14	1300	1070	2990	3470	1850	13600	1890	13200	2950	437	271	374
15	1020	1010	2900	2950	1770	20400	1590	8710	1890	415	358	749
16	831	1730	2660	2650	1660	17300	1370	6570	1310	382	409	496
17	719	5640	3330	6410	1550	16000	1220	5170	965	367	307	358
18	644	4620	4720	5520	1480	11800	1630	4140	773	337	253	283
19	592	3710	3380	4060	1410	7910	2170	3360	3030	304	222	248
20	564	3640	3090	3970	1350	5690	2150	2810	1960	289	202	228
21	544	6790	2850	3850	1320	4360	1710	2650	2950	280	185	208
22	508	18100	2590	3680	1330	3510	1370	2480	1560	256	175	188
23	486	16000	2330	3440	1310	3020	1210	2600	1090	242	163	173
24	472	13900	2100	5150	1280	2740	1150	2050	1140	222	155	163
25	2730	12900	2580	12600	1270	3340	1130	1820	1220	205	151	161
26	4570	9810	2450	15900	1220	2980	1340	1530	895	225	145	159
27	3270	6960	2320	12100	1170	2720	1470	1370	669	242	137	157
28	3050	5230	1990	11300	2040	2470	1200	1280	572	295	129	167
29	2970	7660	1790	9420	---	2260	1030	3260	520	262	127	169
30	3020	12500	2070	6900	---	2090	945	5100	472	256	133	171
31	2860	---	2390	5270	---	1970	---	3110	---	235	139	---
TOTAL	61645	159590	162330	162850	53330	173960	45085	323040	88286	10945	7190	6291
MEAN	1989	5320	5236	5253	1905	5612	1503	10420	2943	353	232	210
MAX	4570	18100	19400	15900	4220	20400	2210	57300	13300	588	421	749
MIN	472	1010	1790	1630	1170	1970	945	1280	472	205	127	121
CFSM	1.03	2.77	2.72	2.73	.99	2.92	.78	5.42	1.53	.18	.12	.11
IN.	1.19	3.09	3.14	3.15	1.03	3.36	.87	6.25	1.71	.21	.14	.12
CAL YR 1977	TOTAL	1143315	MEAN	3132	MAX	43000	MIN	114	CFSM	1.63	IN	22.11
WTR YR 1978	TOTAL	1254542	MEAN	3437	MAX	57300	MIN	121	CFSM	1.79	IN	24.26

02437000 TOMBIGBEE RIVER NEAR AMORY, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1963-64, 1972 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL 30 DAY (MG/L)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)
OCT 13...	1100	1670	65	7.6	14.0	25	7.9	2.1	6.2	24	0
NOV 09...	1200	2320	85	7.5	18.5	30	7.1	4.0	--	41	0
FEB 16...	1500	1630	123	7.5	7.5	15	9.2	2.4	--	44	0
MAR 09...	1000	2600	132	7.6	7.0	25	9.3	2.6	--	41	0
MAY 31...	0930	3330	145	7.4	26.5	300	7.0	3.7	--	63	0
JUL 10...	1100	364	130	6.7	28.0	40	6.9	3.0	--	59	0
AUG 07...	1415	385	120	7.5	28.0	25	8.8	4.1	--	40	0
SEP 05...	1415	169	170	7.6	27.5	20	9.3	3.2	--	51	0

DATE	ALKA- LITY (MG/L AS CA CO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 13...	20	1.0	.13	.03	.45	.48	.61	2.7	.10	.02
NOV 09...	34	2.1	.09	.03	.52	.55	.64	2.8	.12	.04
FEB 16...	36	2.2	.20	.11	.36	.47	.67	3.0	.07	.02
MAR 09...	34	1.6	.20	.07	.28	.35	.55	2.4	.10	.04
MAY 31...	52	4.0	.45	.09	1.0	1.1	1.6	6.9	.32	.03
JUL 10...	48	19	.08	.05	.66	.71	.79	3.5	.15	.06
AUG 07...	33	2.0	.11	.01	.86	.87	.98	4.3	.14	.07
SEP 05...	42	2.0	.00	.01	.70	.71	.71	3.1	.09	.07

02437500 TOMBIGBEE RIVER AT ABERDEEN, MS

LOCATION.--Lat 33°49'14", long 88°31'07", in N½ sec.27, T.14 S., R.19 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160101, on left bank at downstream side of bridge on U.S. Highway 45, 1.3 mi (2.1 km) downstream from St. Louis-San Francisco Railway bridge, 1.5 mi (2.4 km) east of Aberdeen, 2 mi (3 km) downstream from Matubby Creek, 6 mi (10 km) downstream from Halfway Creek, and 13 mi (21 km) upstream from McKinley Creek.

DRAINAGE AREA.--2,169 mi² (5,618 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to September 1958, October 1958 to September 1971 (annual maximums only), October 1971 to current year. Daily mean gage-heights published since October 1971. Gage-height records collected at site 1.3 mi (2.1 km) upstream since 1909 are contained in reports of National Weather Service.

REVISED RECORDS.--WRD Miss. 1972: Drainage area.

GAUGE.--Water-stage recorder. Datum of gage is 154.71 ft (47.156 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Nov. 5, 1934, nonrecording gage at site 1.3 mi (2.1 km) upstream, and Nov. 6, 1934 to Aug. 30, 1939, nonrecording gage at present site, all at present datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--37 years, 3,294 ft³/s (93.29 m³/s), 20.62 in/yr (524 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 123,000 ft³/s (3,480 m³/s) Mar. 18, 1973, gage height, 45.02 ft (13.722 m); maximum gage height, 45.3 ft (13.81 m) Mar. 23, 1955, at former site; minimum discharge, 58 ft³/s (1.64 m³/s) Sept. 1, 2, 1943; minimum gage height, 0.77 ft (0.235 m) Sept. 12, 13, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood on Apr. 20, 1892, reached a stage of 44.8 ft (13.6 m) at former site.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 47,400 ft³/s (1,340 m³/s) May 10, gage height, 40.00 ft (12.192 m); minimum, 159 ft³/s (4.50 m³/s) Sept. 11, 12, gage height, 4.14 ft (1.262 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.98	11.63	30.39	11.94	21.74	13.97	10.26	10.67	12.06	6.40	4.94	4.27
2	14.64	9.91	32.25	11.49	17.06	12.55	9.94	18.41	10.50	6.29	4.89	4.26
3	15.44	9.53	33.39	10.87	14.46	18.10	9.61	14.70	9.58	6.25	4.77	4.29
4	12.90	11.93	33.36	10.32	13.18	17.39	9.32	15.91	8.85	6.17	4.75	4.34
5	10.25	11.41	32.09	9.92	12.40	14.17	9.14	19.72	8.33	6.34	4.86	4.34
6	8.36	13.83	30.03	10.14	11.81	12.94	8.96	16.44	7.96	6.68	5.31	4.33
7	7.33	12.49	27.46	12.63	11.20	12.50	8.83	18.88	10.46	6.31	5.56	4.32
8	7.61	11.70	24.01	15.42	10.70	14.02	8.66	30.67	20.60	5.96	5.48	4.28
9	14.72	11.18	19.21	23.86	10.26	14.94	8.59	38.10	24.84	5.84	5.17	4.25
10	13.66	10.61	16.30	23.63	---	21.46	8.38	39.88	26.66	6.15	5.03	4.20
11	12.58	9.92	14.17	20.26	---	22.29	8.64	39.52	25.93	5.91	4.97	4.17
12	11.22	9.21	13.14	16.91	---	20.11	10.89	38.29	24.67	5.96	5.00	4.15
13	9.80	8.49	12.52	16.04	---	18.65	10.91	36.52	22.20	6.33	5.11	4.25
14	8.80	8.00	12.75	15.62	---	23.74	10.51	34.70	17.13	6.12	5.11	4.81
15	7.93	7.68	13.76	14.20	---	30.30	9.65	32.36	12.45	6.13	5.10	5.92
16	7.28	7.76	12.85	12.99	9.95	32.61	8.98	29.68	10.05	5.92	5.55	6.33
17	6.85	17.13	13.24	17.40	9.57	32.67	8.50	26.87	8.87	5.76	5.41	5.56
18	6.55	19.52	18.42	21.73	9.33	32.01	8.32	23.14	8.16	5.66	5.10	5.15
19	6.33	16.08	16.64	19.25	9.14	30.28	10.45	17.18	9.87	5.51	4.90	4.91
20	6.17	14.79	14.25	16.67	8.95	27.78	10.71	13.34	14.75	5.34	4.78	4.78
21	6.08	18.19	13.36	16.06	8.84	24.35	10.04	12.16	12.56	5.21	4.68	4.67
22	5.96	27.20	12.60	15.69	8.84	18.67	9.02	12.28	12.23	5.10	4.61	4.56
23	5.84	30.46	11.92	15.29	8.78	14.17	8.43	12.06	9.44	5.04	4.56	4.47
24	5.76	30.93	11.25	16.04	8.73	12.83	8.18	11.52	8.45	4.96	4.49	4.41
25	9.36	30.62	11.60	23.58	8.66	13.50	8.08	10.45	8.95	4.88	4.44	4.36
26	17.52	29.92	12.17	28.27	8.56	13.82	8.28	9.71	8.64	4.88	4.41	4.33
27	15.24	28.37	11.78	30.04	8.39	12.87	8.85	9.15	7.71	4.98	4.37	4.33
28	13.27	26.12	11.05	29.53	10.36	12.17	8.51	8.75	7.18	5.13	4.30	4.35
29	12.58	26.54	10.39	28.72	---	11.57	7.93	11.99	6.86	5.17	4.26	4.39
30	12.58	27.96	10.76	27.40	---	11.04	7.63	15.99	6.61	5.06	4.25	4.41
31	12.45	---	12.40	25.28	---	10.67	---	16.44	---	5.10	4.26	---
MEAN	10.29	16.97	17.73	18.30	---	18.65	9.14	20.82	12.75	5.69	4.85	4.57
MAX	17.52	30.93	33.39	30.04	---	32.67	10.91	39.88	26.66	6.68	5.56	6.33
MIN	5.76	7.68	10.39	9.92	---	10.67	7.63	8.75	6.61	4.88	4.25	4.15

CAL YR 1977 MEAN 12.06 MAX 39.32 MIN 3.95

02437500 TOMBIGBEE RIVER AT ABERDEEN, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3240	2300	13100	2420	7060	3240	1580	1850	2200	526	246	170
2	3520	1700	15000	2250	4630	2650	1480	4830	1660	502	239	169
3	3870	1570	16600	2020	3440	5160	1380	3240	1370	493	223	172
4	2870	2410	16600	1830	2900	4790	1300	3760	1160	475	221	177
5	1810	2220	14900	1700	2590	3320	1240	5420	1010	513	235	177
6	1200	3180	12800	1770	2370	2810	1190	3960	910	593	304	176
7	897	2630	10800	2690	2140	2630	1150	5180	1720	506	349	175
8	984	2330	8410	3990	1960	3250	1100	13900	5870	429	336	171
9	3570	2140	5710	8280	1810	3670	1080	32000	8500	404	280	169
10	3110	1940	4270	8140	1700	6900	1020	46000	9930	473	258	164
11	2660	1700	3320	6250	1640	7370	1100	41900	9340	418	250	161
12	2150	1470	2890	4560	1600	6170	1790	31800	8370	429	254	159
13	1660	1240	2640	4140	1750	5410	1800	23900	6740	513	271	169
14	1340	1100	2740	3950	1900	8360	1660	19000	4290	464	271	231
15	1070	999	3140	3330	1800	13000	1400	15200	2350	469	269	427
16	879	1020	2770	2830	1710	15500	1190	12400	1520	420	347	513
17	760	4740	2940	4880	1580	15600	1060	10100	1160	388	322	349
18	677	5850	5300	7050	1500	14700	1010	7330	962	368	269	279
19	621	4170	4430	5720	1440	13000	1640	4310	1540	340	240	241
20	581	3580	3350	4440	1380	10800	1730	2690	3270	309	225	225
21	559	5290	2980	4150	1350	8190	1520	2240	2390	287	213	212
22	531	10600	2670	3980	1350	4950	1210	2280	2280	269	205	200
23	503	13100	2410	3800	1330	3020	1040	2200	1330	260	200	190
24	484	13500	2160	4180	1320	2480	967	2020	1040	248	192	184
25	1630	13300	2290	8160	1290	2750	941	1640	1190	239	187	179
26	4850	12600	2510	11400	1260	2880	994	1420	1100	237	184	176
27	3790	11400	2360	12700	1210	2500	1160	1250	845	251	180	176
28	2940	9820	2090	12300	1890	2240	1060	1130	713	274	173	178
29	2660	10100	1860	11700	---	2030	902	2240	636	280	169	182
30	2660	11100	1990	10700	---	1840	824	3770	576	263	169	184
31	2610	---	2590	9230	---	1710	---	3970	---	269	169	---
TOTAL	60686	159099	177620	174540	57900	182920	37518	312930	85972	11909	7450	6335
MEAN	1958	5303	5730	5630	2068	5901	1251	10090	2866	384	240	211
MAX	4850	13500	16600	12700	7060	15600	1800	46000	9930	593	349	513
MIN	484	999	1860	1700	1210	1710	824	1130	576	237	169	159
CFSM	.90	2.45	2.64	2.60	.95	2.72	.58	4.65	1.32	.18	.11	.10
IN.	1.04	2.73	3.05	2.99	.99	3.14	.64	5.37	1.47	.20	.13	.11
CAL YR 1977	TOTAL	1268041	MEAN	3474	MAX	40000	MIN	153	CFSM	1.60	IN	21.75
WTR YR 1978	TOTAL	1274879	MEAN	3493	MAX	46000	MIN	159	CFSM	1.61	IN	21.87

MOBILE RIVER BASIN

02437500 TOMBIGBEE RIVER AT ABERDEEN, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1972 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 30 DAY (MG/L)	BICAR- BONATE (MG/L AS HCU3)	CAR- BONATE (MG/L AS CO3)
OCT 13...	1300	1630	66	7.6	15.0	40	7.7	3.4	9.2	29	0
NOV 09...	1000	2150	86	7.6	18.0	20	5.0	3.9	--	43	0
FEB 16...	0900	1720	118	7.5	6.0	20	9.0	2.0	--	41	0
MAR 09...	1200	3220	121	7.6	7.5	30	6.8	2.4	--	38	0
MAY 31...	1100	4080	219	7.5	27.0	170	7.0	3.8	--	12	0
JUL 10...	1255	504	140	6.5	29.0	30	7.3	3.3	--	53	0
AUG 07...	1615	361	240	8.5	29.0	10	13.0	6.4	--	77	0
SEP 05...	1630	176	180	7.3	28.0	10	9.2	3.3	--	67	0

DATE	ALKA- LITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 13...	24	1.2	.16	.18	1.6	1.8	2.0	8.7	.49	.05
NOV 09...	35	1.7	.10	.01	.61	.62	.72	3.2	.10	.04
FEB 16...	34	2.1	.21	.08	.38	.46	.67	3.0	.07	.01
MAR 09...	31	1.5	.29	.04	.35	.39	.68	3.0	.09	.03
MAY 31...	10	.6	.46	.08	.92	1.0	1.5	6.5	.27	.03
JUL 10...	43	27	.15	.04	.63	.67	.82	3.6	.13	.03
AUG 07...	63	.4	.00	.01	1.2	1.2	1.2	5.3	.21	.11
SEP 05...	55	5.4	.00	.10	.66	.76	.76	3.4	.08	.07

02437560 NICHOLS CREEK NEAR ABERDEEN, MS

LOCATION.--Lat 33°48'53", long 88°29'20", in SW¼ sec.25, T.14 S., R.19 W., Huntsville Meridian, Monroe County, Hydrologic Unit 03160101, at downstream side of bridge on U.S. Highway 45, 0.1 mi (0.2 km) northwest of intersection of U.S. Highway 45 and State Highways 8/25, and 3.1 mi (5.0 km) southeast of Aberdeen.

DRAINAGE AREA.--24.1 mi² (62.4 km²).

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANFOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)
OCT 13...	1400	11	24	7.6	13.0	15	7.8	1.8	9	0
NOV 08...	1130	17	28	7.3	18.0	10	6.4	3.3	20	0
FEB 16...	1200	10	35	7.0	7.0	6.0	8.5	2.2	9	0
AUG 07...	1530	3.0	56	5.8	25.0	10	7.2	1.2	14	0
SEP 05...	1500	2.4	52	6.4	23.5	8.0	7.0	1.2	17	0

DATE	ALKAL- INITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 13...	7	.4	.07	.01	.27	.28	.35	1.6	.03	.03
NOV 08...	16	1.6	.02	.00	.49	.49	.51	2.3	.03	.01
FEB 16...	7	1.4	.10	.02	.25	.27	.37	1.6	.02	.00
AUG 07...	11	36	.13	.03	.18	.21	.34	1.5	.05	.06
SEP 05...	14	11	.08	.02	.36	.38	.46	2.0	.03	.05

LOCATION.--Lat 33°48'48", long 88°33'59", in SE¼ sec.33, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, Hydrologic Unit 03160101, at downstream side of bridge on State Highway 25, 0.8 mi (1.3 km) southwest of Aberdeen, and 1.5 mi (2.4 km) southwest of intersection of State Highway 25 and State Highway 8/U.S. Highway 45.

period of record.--Water years 1963, 1977 to current year.

[illegible][illegible]

02439400 BUTTAHATCHEE RIVER NEAR ABERDEEN, MS

LOCATION.--Lat 33°47'24", long 88°18'53", in NW¼ 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 mi (16 km) downstream from Sipsey Creek, and 13 mi (21 km) southeast of Aberdeen.

DRAINAGE AREA.--787 mi² (2,038 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 220.77 ft (67.291 m) Mississippi State Highway Department datum.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--12 years, 1,457 ft³/s (41.26 m³/s), 25.14 in/yr (639 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 80,000 ft³/s (2,270 m³/s) Mar. 17, 1973, gage height, 23.48 ft (7.157 m), observed at crest; minimum, 117 ft³/s (3.31 m³/s) Sept. 16, 1972, gage height, 4.26 ft (1.298 m).

EXTREMES OUTSIDE THE PERIOD OF RECORD.--Floods 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 April 12, 1962, reached a stage of 19.01 ft, from floodmark all at present datum.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,000 ft³/s (170 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Nov. 23	2200	12800	362	16.63	5.069	Mar. 17	0800	6010	170	14.19	4.325
Dec. 1	0700	11200	317	16.18	4.932	May 10	1100	*17400	493	17.64	5.377

Minimum discharge, 156 ft³/s (4.42 m³/s) Sept. 11, 12, gage height, 4.58 ft (1.396 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1970	874	10500	1490	1690	1180	944	616	1360	358	200	189
2	2450	804	8210	1350	1560	1260	916	868	1060	377	194	190
3	2470	871	6610	1220	1450	1360	885	997	861	330	196	194
4	1560	1260	4900	1110	1330	1720	847	895	791	308	202	198
5	1030	1820	3560	1050	1220	1690	817	1210	770	288	232	194
6	807	1990	2790	1090	1140	1380	804	1210	755	270	407	183
7	683	2170	2430	1410	1060	1260	784	1590	739	255	337	174
8	944	1950	2010	1840	997	1430	768	3320	1130	240	269	167
9	2150	1570	1820	2390	958	1810	758	9990	2030	230	259	162
10	2840	1310	1850	2870	940	2360	733	16000	2660	228	312	159
11	4610	1140	1780	2830	923	2910	774	9990	4130	520	290	157
12	4880	990	1540	2140	895	3310	885	6370	3270	390	284	159
13	2540	905	1430	1820	902	2830	912	3880	1640	345	297	178
14	1340	844	1410	1750	961	2650	794	2930	1090	800	292	290
15	1060	791	1540	1570	965	2990	720	2930	1050	490	267	584
16	912	804	1500	1400	871	4210	674	2440	781	420	265	440
17	811	1420	1400	1460	830	5590	643	1640	710	375	240	337
18	730	2290	1580	1870	804	3590	619	1360	655	330	228	277
19	674	2750	1730	2020	781	2310	605	1200	649	310	226	250
20	634	2910	1540	1800	762	1810	708	1140	698	280	211	230
21	593	2960	1370	1700	746	1600	658	1060	683	260	205	217
22	558	5000	1240	1540	746	1510	602	1060	596	240	215	198
23	528	9840	1150	1430	730	1450	576	1020	544	230	261	202
24	511	10700	1090	1440	714	1330	561	1270	522	220	215	198
25	905	7440	1100	1840	708	1260	587	1220	503	218	198	200
26	1840	5000	1230	2580	692	1310	797	976	463	222	189	198
27	2440	3400	1180	3230	677	1270	881	844	460	215	183	200
28	2280	2710	1070	3740	820	1150	717	788	432	219	180	203
29	1450	4490	1010	3510	---	1080	628	781	397	221	174	230
30	1130	7130	1100	2500	---	1030	578	1220	363	215	174	228
31	972	---	1430	1920	---	983	---	1790	---	207	176	---
TOTAL	48302	88133	73100	59910	26872	61623	22175	82605	31792	9611	7378	6786
MEAN	1558	2938	2358	1933	960	1988	739	2665	1060	310	238	226
MAX	4880	10700	10500	3740	1690	5590	944	16000	4130	800	407	584
MIN	511	791	1010	1050	677	983	561	616	363	207	174	157
CFSM	1.98	3.73	3.00	2.46	1.22	2.53	.94	3.39	1.35	.39	.30	.29
IN.	2.28	4.17	3.46	2.83	1.27	2.91	1.05	3.90	1.50	.45	.35	.32
CAL YR 1977	TOTAL	613836	MEAN	1682	MAX	24200	MIN	176	CFSM	2.14	IN	29.01
WTR YR 1978	TOTAL	518287	MEAN	1420	MAX	16000	MIN	157	CFSM	1.80	IN	24.50

MOBILE RIVER BASIN

02439600 BUTTAHATCHEE RIVER NEAR KOLOLA SPRINGS, MS

LOCATION.--Lat 33°40'24", long 88°25'45", in SW¼ sec.16, T.16 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160103, at downstream side of bridge on U.S. Highway 45, 1.8 mi (2.9 km) northwest of Kolola Springs, and at mile 8.6 (13.8 km).

DRAINAGE AREA.--843 mi² (2183 km²).

PERIOD OF RECORD.--Water years 1963-64, 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)
OCT 12...	1100	5570	18	7.0	15.0	35	7.1	2.3	4	0
NOV 08...	0900	2190	20	7.5	17.0	20	6.7	3.1	17	0
FEB 15...	1600	1050	28	7.5	7.0	6.0	9.5	1.8	8	0
AUG 07...	1730	336	40	5.8	28.0	10	7.9	2.3	42	0
SEP 05...	1750	213	40	7.1	26.0	10	8.3	1.6	10	0

DATE	ALKA- LITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 12...	3	.6	.10	.02	.54	.56	.66	2.9	.08	.02
NOV 08...	14	.9	.06	.00	.26	.26	.32	1.4	.04	.02
FEB 15...	7	.4	.30	.01	.21	.22	.52	2.3	.01	.00
AUG 07...	34	107	.00	.00	.52	.52	.52	2.3	.18	.11
SEP 05...	8	1.3	.11	.01	.64	.65	.76	3.4	.03	.03

02441000 TIBBEE CREEK NEAR TIBBEE, MS

LOCATION.--Lat 33°32'17", long 88°38'00", in SW¼ sec.4, T.19 N., R.16 E., Choctaw Meridian, Clay County, Hydrologic Unit 03160104, on right bank 10 ft (3 m) downstream from bridge on old State Highway 25, 560 ft (170 m) upstream from Gulf, Mobile and Ohio Railroad bridge, 0.7 mi (1.1 km) north of Tibbee, 4.5 mi (7.2 km) upstream from Magee Creek, 5 mi (8 km) south of West Point, and 9.8 mi (15.8 km) upstream from Catalpa Creek.

DRAINAGE AREA.--928 (2,404 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1928 to September 1930, October 1939 to current year. Monthly discharge only for September 1930 and October 1939, published in WSP 1034. Prior to October 1950, published as Tibbee River near Tibbee.

REVISED RECORDS.--WSP 1504: 1929-30.

GAGE.--Water-stage recorder. Datum of gage is 154.07 ft (46.961 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Aug. 7, 1928, to Aug. 31, 1930, nonrecording gage at site 560 ft (170 m) downstream at present datum. Nov. 5 to Dec. 6, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good except those for period of no gage-height record, Nov. 16 to Dec. 22 and Apr. 2 to May 1, which are poor.

AVERAGE DISCHARGE.--41 years, 1,301 ft³/s (36.84 m³/s), 19.04 in/yr (484 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 81,600 ft³/s (2,310 m³/s) Mar. 17, 1973, gage height, 32.26 ft (9.833 m); no flow at times many years.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1926 reached a stage of 31.5 ft (9.60 m), from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 10,000 ft³/s (283 m³/s) and maximum (*):

Date	Time	Discharge (ft³/s) (m³/s)	Gage height (ft) (m)	Date	Time	Discharge (ft³/s) (m³/s)	Gage height (ft) (m)
Dec. 1	0700	13500 382	24.40 7.437	May 9	1700	*33,500 949	27.67 8.434

a Observed.

Minimum discharge, 2.3 ft³/s (0.065 m³/s) Sept. 2, 3, 4, gage height, 1.09 ft (0.332 m).

CORRECTION.--The drainage area for water year 1977 is 928 mi² (2,404 km²). The previously published figure (English unit) was not the drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	479	132	13100	727	690	3380	205	80	2910	81	23	3.6
2	370	110	11300	603	844	3980	150	137	1580	70	20	2.7
3	260	542	5000	477	867	4140	134	255	559	64	16	2.3
4	169	1620	2000	388	708	3980	120	340	457	57	13	2.5
5	100	1900	700	322	593	3580	112	1020	364	47	10	3.1
6	64	2060	550	330	504	1980	104	1170	278	46	8.8	2.9
7	44	982	400	426	426	1200	96	2350	435	37	8.5	4.7
8	749	523	250	869	376	2450	88	8730	1490	33	148	23
9	3140	366	180	2600	350	6000	82	30100	1900	29	161	33
10	4050	267	210	3480	334	7900	180	25400	2020	23	49	36
11	3420	205	250	4070	315	7000	326	14400	2180	20	30	39
12	1850	168	510	2600	298	3700	600	8850	1340	18	22	35
13	386	152	410	1050	311	3000	1160	6650	491	20	18	33
14	198	123	290	1120	463	3200	580	5610	559	33	31	39
15	129	109	380	905	521	5800	360	4510	495	313	45	52
16	93	105	520	669	441	8660	280	2820	340	605	36	64
17	71	200	700	1590	366	8000	210	844	244	360	23	98
18	55	480	580	3160	320	5620	170	500	195	154	18	79
19	43	900	2400	3690	288	4000	152	430	364	81	13	61
20	35	700	1750	3440	263	1800	134	401	1640	52	11	45
21	28	2000	660	1740	248	880	106	415	1990	36	11	35
22	25	3660	620	1050	241	600	84	658	1360	27	9.3	27
23	21	7850	497	1060	234	568	66	804	493	21	8.5	22
24	19	9100	444	1300	231	491	50	559	300	16	6.9	19
25	765	7100	418	2960	222	420	38	418	213	14	4.9	16
26	1990	5700	405	4950	213	364	30	326	162	17	6.4	13
27	1320	4630	364	6240	200	313	23	248	138	114	6.1	12
28	600	4210	334	6260	1410	283	17	195	137	82	11	12
29	348	5460	307	5170	---	260	25	227	117	48	11	11
30	234	10700	364	2710	---	237	44	646	97	31	8.8	11
31	172	---	664	852	---	216	---	1940	---	22	5.1	---
TOTAL	21227	72054	46557	66808	12277	94002	5726	121033	24848	2571	793.3	836.8
MEAN	685	2402	1502	2155	438	3032	191	3904	828	82.9	25.6	27.9
MAX	4050	10700	13100	6260	1410	8660	1160	30100	2910	605	161	98
MIN	19	105	180	322	200	216	17	80	97	14	4.9	2.3
CFSM	.74	2.59	1.62	2.32	.47	3.27	.21	4.21	.89	.09	.03	.03
IN.	.85	2.89	1.87	2.68	.49	3.77	.23	4.85	1.00	.10	.03	.03

CAL YR 1977	TOTAL	502878.11	MEAN	1378	MAX	42100	MIN	.70	CFSM	1.49	IN	20.16
WTR YR 1978	TOTAL	468733.10	MEAN	1284	MAX	30100	MIN	2.3	CFSM	1.38	IN	18.79

MOBILE RIVER BASIN

02441000 TIBBEE CREEK NEAR TIBBEE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1974-75, 1977 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)
OCT										
12...	1400	1560	108	7.3	16.0	15	6.1	2.3	46	0
NOV										
07...	1330	826	160	7.5	19.0	25	5.9	4.7	86	0
FEB										
15...	1200	535	257	8.0	6.5	30	10.2	2.1	85	0
AUG										
08...	1045	178	350	6.8	26.0	110	5.8	2.7	140	0
SEP										
06...	0845	3.3	294	7.1	24.0	6.0	6.5	4.7	150	0

DATE	ALKA- LINITY (MG/L AS CA CO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT										
12...	38	3.7	.08	.04	.66	.70	.78	3.5	.18	.08
NOV										
07...	71	4.4	.07	.05	.92	.97	1.0	4.6	.15	.07
FEB										
15...	70	1.4	.11	.03	.44	.47	.58	2.6	.07	.01
AUG										
08...	110	36	.06	.03	.69	.72	.78	3.5	.20	.06
SEP										
06...	120	19	.00	.13	.97	1.1	1.1	4.9	.06	.05

02441400 TOMBIGBEE RIVER NEAR COLUMBUS, MS

LOCATION.--Lat 33°29'40", long 88°27'40", in SW¼ sec.18, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, at downstream side of bridge on U.S. Highway 82 By-pass, 1.7 mi (2.7 km) upstream from bridge on U.S. Highway 45E and 82, 1.6 mi (2.6 km) west of Columbus, and at mile 321.7 (517.6 km).

DRAINAGE AREA.--4,470 mi² (11,580 km²), approximately.

PERIOD OF RECORD.--Water years 1974-76, 1978 to current year.

REMARKS.--Stream discharge determined 2.0 mi (3.2 km) downstream (station 02441500). In water years 1958-59, 1961-65, 1967, and 1971-74 equivalent data was collected 2.0 mi (3.2 km) downstream (station 02441500).

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 30 DAY (MG/L)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)
OCT											
12...	0830	10700	76	7.4	16.0	40	6.6	2.0	7.0	32	0
NOV											
07...	1430	6460	100	7.7	18.0	45	6.6	3.4	--	50	0
FEB											
15...	1330	3690	157	7.5	6.5	15	10.0	2.2	--	43	0
MAR											
08...	1330	9040	163	7.3	10.0	65	9.5	2.7	--	50	0
MAY											
31...	1330	8490	150	7.6	29.0	30	7.0	3.9	--	44	0
JUL											
10...	1500	928	170	7.1	31.0	8.0	8.1	4.4	--	49	0
AUG											
08...	0945	830	200	6.7	28.0	10	8.2	3.0	--	13	0
SEP											
06...	0800	802	240	6.5	25.0	5.0	8.2	3.3	--	45	0

DATE	ALKA- LITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT										
12...	26	2.0	.17	.06	.62	.68	.85	3.8	.19	.08
NOV										
07...	41	1.6	.11	.05	2.9	2.9	3.0	13	.16	.06
FEB										
15...	35	2.2	.21	.10	.34	.44	.65	2.9	.10	.04
MAR										
08...	41	4.0	.46	.05	.57	.62	1.1	4.8	.17	.05
MAY										
31...	36	1.8	.63	.04	1.6	1.6	2.2	9.9	.54	.06
JUL										
10...	40	6.2	.22	.04	.59	.63	.85	3.8	.14	.13
AUG										
08...	11	4.2	.12	.01	.22	.23	.35	1.6	.03	.03
SEP										
06...	37	23	.09	.05	.41	.46	.55	2.4	.09	.09

02441500 TOMBIGBEE RIVER AT COLUMBUS, MS

LOCATION.--Lat 33°29'21", long 88°25'57", in NW¼ sec.20, T.18 S., R.18 W., Huntsville Meridian, Lowndes County, Hydrologic Unit 03160101, on left bank at Columbus, 1,200 ft (370 m) downstream from bridge on U.S. Highway 45E and 82, 1,800 ft (550 m) upstream from Gulf, Mobile, and Ohio Railroad bridge, 2.3 mi (3.7 km) upstream from Luxapallila Creek, 6.7 mi (10.8 km) downstream from Tibbee Creek, and at mile 319.7 (514.4 km).

DRAINAGE AREA.--4,490 mi² (11,630 km²), approximately.

PERIOD OF RECORD.--October 1899 to December 1912, August 1928 to current year. 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 (39.292 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 7, 1934, nonrecording gage at various sites within 0.2 mi (0.3 km) of present site, at datum 4.00 ft (1.219 m) higher prior to Mar. 13, 1934, and at present datum thereafter. Mar. 3, 1941, to Sept. 30, 1968, auxiliary nonrecording gage at site 3.7 mi (6.0 km) upstream at different datum. Oct. 1, 1968, to Sept. 30, 1971, auxiliary nonrecording gage 2.1 mi (3.4 km) upstream from base gage at datum 128.82 ft (39.264 m) NGVD.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--63 years, 6,458 ft³/s (182.9 m³/s), 19.53 in/yr (496 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 194,000 ft³/s (5,490 m³/s) Mar. 19, 1973, gage height, 42.22 ft (12.869 m); minimum, 138 ft³/s (3.91 m³/s) Sept. 20, 1954; minimum gage height observed, -0.1 ft (-0.030 m) Oct. 9-12, 1911, present datum.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 8, 1892, the greatest since at least 1867, reached an elevation of 173.0 ft (52.73 m) NGVD at site 1,100 ft (335 m) upstream (corresponding stage at gage about 44 ft or 13.4 m), discharge 278,000 ft³/s (7,870 m³/s) estimated by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge 67,400 ft³/s (1,910 m³/s) May 12, gage height 33.90 ft (10.333 m); minimum daily discharge, 570 ft³/s (16.1 m³/s) Sept. 27, 28.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.48	5.57	23.61	6.65	12.69	9.49	5.14	3.30	9.19	2.64	---	1.63
2	7.18	4.99	24.94	6.49	10.69	10.16	4.91	6.06	7.90	2.50	---	1.65
3	7.50	5.36	25.11	6.06	8.75	11.35	4.73	7.00	5.93	2.46	---	1.72
4	7.57	6.90	24.53	5.59	7.66	12.13	4.55	6.27	5.06	2.74	---	1.78
5	6.24	8.58	23.45	5.24	6.97	10.98	4.40	7.98	4.62	2.84	---	1.87
6	4.81	8.60	21.28	5.14	6.47	9.37	4.29	8.64	4.34	2.70	---	1.96
7	3.88	8.20	18.22	5.75	6.02	7.96	4.18	10.77	4.46	2.63	---	1.89
8	4.65	7.17	15.21	7.31	5.68	9.75	4.09	19.66	8.95	2.39	---	1.84
9	11.80	6.62	12.32	11.93	5.42	10.56	3.99	25.49	11.44	2.29	---	1.81
10	12.62	6.01	9.85	13.37	5.24	13.18	3.93	29.98	13.04	2.22	---	1.76
11	12.80	5.41	8.45	13.60	5.13	14.05	4.03	32.40	13.81	2.28	---	1.68
12	10.83	4.91	7.61	12.30	5.03	13.83	4.46	33.71	13.69	2.18	---	1.64
13	8.72	4.46	7.01	10.02	5.05	12.63	5.17	33.51	12.78	2.29	---	1.70
14	7.36	4.08	6.86	9.08	5.21	14.92	5.14	32.04	10.51	3.14	---	1.92
15	5.45	3.81	7.42	8.34	5.40	17.53	4.72	29.63	7.45	2.62	---	2.10
16	4.32	3.71	7.47	7.44	5.29	18.89	4.28	26.65	5.60	3.21	---	2.33
17	3.77	5.11	7.40	8.51	4.99	20.27	3.97	22.55	4.68	3.18	---	2.41
18	3.42	8.71	9.35	11.15	4.75	20.95	3.75	17.50	4.10	2.75	---	2.11
19	3.16	9.23	10.54	12.04	4.58	20.06	3.86	12.05	3.90	2.36	---	---
20	2.97	8.32	9.68	11.36	4.46	17.42	4.39	7.85	6.43	2.15	2.06	---
21	2.84	9.94	8.42	10.02	4.34	14.70	4.43	6.43	6.99	---	2.09	---
22	2.74	16.57	7.09	8.82	4.27	11.89	4.10	6.21	6.92	---	2.04	---
23	2.63	18.39	6.44	8.46	4.26	8.62	3.71	6.31	5.33	---	2.00	---
24	2.54	20.81	6.00	8.60	4.21	7.16	3.51	6.30	4.20	---	1.98	---
25	4.69	22.39	5.68	12.44	4.13	6.72	3.42	5.88	3.83	2.04	1.94	---
26	9.02	22.58	5.93	16.47	4.07	7.06	3.38	5.43	3.84	2.08	1.91	1.82
27	9.85	21.10	5.91	17.73	4.00	6.82	3.59	4.85	3.56	2.10	1.85	1.86
28	8.35	18.27	5.71	18.58	6.25	6.48	3.88	4.46	3.19	2.12	1.78	2.06
29	7.48	19.31	5.34	18.64	---	6.04	3.58	4.42	2.97	2.12	1.78	2.09
30	6.67	21.21	5.29	17.53	---	5.67	3.31	6.52	2.80	---	1.75	2.10
31	6.03	---	6.13	14.98	---	5.38	---	8.87	---	---	1.68	---
MEAN	6.43	10.54	11.23	10.63	5.75	11.68	4.16	14.15	6.72	---	---	---
MAX	12.80	22.58	25.11	18.64	12.69	20.95	5.17	33.71	13.81	---	---	---
MIN	2.54	3.71	5.29	5.14	4.00	5.38	3.31	3.30	2.80	---	---	---

CAL YR 1977 MEAN 7.63 MAX 34.92 MIN .80

02441500 TOMBIGBEE RIVER AT COLUMBUS, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5880	3870	32200	4960	12800	8440	3440	1790	8060	1240	780	612
2	5550	3300	35200	4790	10000	9310	3210	4410	6390	1140	760	623
3	5900	3690	35600	4360	7480	10900	3040	5350	4220	1110	750	661
4	5980	5250	34200	3890	6090	12000	2880	4570	3340	1310	800	694
5	4560	7250	31800	3540	5320	10400	2740	6490	2910	1380	860	744
6	3110	7280	27300	3440	4770	8290	2640	7330	2660	1280	850	796
7	2270	6760	21600	4050	4330	6450	2540	10400	2770	1230	800	755
8	3090	5550	16600	5730	3980	8780	2460	24200	7800	1060	830	727
9	11500	4930	12300	11700	3720	9840	2370	36700	11000	994	860	711
10	12700	4310	8910	13800	3540	13500	2320	49700	13300	952	850	683
11	12900	3710	7100	14100	3430	14800	2410	59700	14400	988	810	639
12	10200	3220	6030	12200	3330	14500	2790	66300	14200	928	770	617
13	7440	2800	5360	9140	3350	12700	3470	65100	12900	994	740	650
14	5760	2450	5210	7900	3510	16100	3440	57900	9800	1610	730	772
15	3760	2210	5810	6940	3700	20400	3030	48400	5850	1220	730	880
16	2670	2120	5870	5830	3590	22800	2630	39200	3890	1680	730	1030
17	2170	3470	5800	7200	3290	25300	2350	30000	2960	1640	800	1080
18	1890	7440	8270	10600	3060	26600	2160	20400	2440	1320	850	886
19	1680	8100	9800	11900	2900	24900	2250	12000	2260	1040	870	800
20	1550	6920	8700	10900	2790	20200	2730	6340	4750	910	856	700
21	1460	9170	7060	9140	2690	15800	2770	4720	5330	860	874	660
22	1390	18800	5450	7570	2620	11700	2470	4500	5240	830	844	630
23	1310	21900	4740	7100	2610	7330	2120	4590	3620	800	820	610
24	1250	26300	4300	7290	2570	5530	1960	4580	2540	780	808	600
25	3170	29500	3980	12500	2500	5040	1890	4160	2200	844	784	590
26	7840	29900	4230	18600	2440	5420	1850	3710	2210	874	766	580
27	8910	26900	4210	20700	2380	5150	2020	3130	1950	880	733	570
28	6970	21700	4010	22200	4670	4780	2270	2760	1650	892	694	570
29	5880	23600	3640	22400	---	4340	2010	2730	1480	892	694	590
30	4990	27100	3590	20400	---	3970	1800	4800	1350	840	678	620
31	4330	---	4430	16200	---	3680	---	7660	---	810	639	---
TOTAL	158060	329500	373300	321070	117460	368950	76060	603620	163470	33328	24360	21080
MEAN	5099	10980	12040	10360	4195	11900	2535	19470	5449	1075	786	703
MAX	12900	29900	35600	22400	12800	26600	3470	66300	14400	1680	874	1080
MIN	1250	2120	3590	3440	2380	3680	1800	1790	1350	780	639	570
CFSM	1.14	2.45	2.68	2.31	.93	2.65	.57	4.34	1.21	.24	.18	.16
IN.	1.31	2.73	3.09	2.66	.97	3.06	.63	5.00	1.35	.28	.20	.17
CAL YR 1977	TOTAL	2864977	MEAN	7849	MAX	75300	MIN	269	CFSM	1.75	IN	23.74
WTR YR 1978	TOTAL	2590258	MEAN	7097	MAX	66300	MIN	570	CFSM	1.58	IN	21.46

MOBILE RIVER BASIN

02443500 LUXAPALLILA CREEK NEAR COLUMBUS, MS

LOCATION.--Lat 33°30'50", long 88°23'44", in NW¼SW¼ 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 (53 m) upstream from bridge on county highway (formerly State Highway 50), 0.6 mi (1.0 km) upstream from Magby Creek, 1.4 mi (2.3 km) upstream from U.S. Highway 82 and 6.2 mi (10.0 km) upstream from mouth.

DRAINAGE AREA.--726 mi² (1,880 km²).

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 142.23 ft (43.352 m) 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.--Records good. About 7 ft³/s (0.2 m³/s) is diverted upstream from station for municipal water supply for city of Columbus.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,200 ft³/s (629 m³/s) Apr. 5, 1977, gage height, 28.35 ft (8.641 m); minimum, since October 1974, 80 ft³/s (2.27 m³/s) Sept. 3, 1977, gage height, 7.44 ft (2.268 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since at least 1892, 35.3 ft (10.76 m) April 1892, from information by Corps of Engineers. The flood of January 1949, reached a stage of 32.8 ft (10.00 m) and the flood of December 1961, reached a stage of 31.8 ft (9.69 m), according to information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft³/s (227 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Dec. 1	1730	8260 234	21.89 6.672	May 10	0230	*16400 464	25.53 7.782

Minimum discharge, 67 ft³/s (1.90 m³/s) Sept. 11, gage height, 7.25 ft (2.210 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1170	778	7820	1140	1400	747	731	309	1290	182	108	81
2	1140	678	6400	1080	1280	1340	691	398	1050	178	102	84
3	978	826	4340	972	1180	1930	659	506	1100	176	100	87
4	1300	1200	3150	875	1080	1930	624	590	893	275	98	87
5	918	1620	2410	809	1000	1850	602	714	771	364	92	86
6	735	1660	1910	812	980	1510	581	774	708	282	89	83
7	546	1540	1560	889	960	1390	563	1640	718	217	102	77
8	687	1290	1330	1230	907	1450	545	5340	1300	184	125	71
9	2630	1120	1270	1810	864	1850	530	14400	1930	168	178	71
10	5130	954	1300	2160	840	2460	530	15200	2730	162	257	74
11	5870	822	1320	1850	819	2460	643	8000	2210	162	333	68
12	3350	724	1200	1570	795	2290	791	3800	1670	156	264	68
13	1990	650	1110	1500	829	1920	954	2620	1320	155	228	75
14	1320	602	1190	1430	871	2310	805	2400	940	158	304	94
15	954	566	1370	1240	896	2530	685	1900	747	178	285	143
16	754	560	1500	1140	857	2540	587	1350	587	271	228	178
17	643	698	1420	1210	802	2540	521	1040	486	338	180	230
18	566	1010	1630	1340	761	2220	478	925	408	271	149	221
19	509	1290	1850	1340	724	1710	447	795	387	206	122	172
20	469	1150	1530	1340	685	1390	419	721	395	170	108	138
21	438	1440	1410	1350	662	1240	384	672	392	149	102	117
22	411	3140	1250	1250	643	1210	358	972	371	140	102	105
23	387	5660	1100	1200	631	1200	343	1060	343	129	110	97
24	369	6230	1000	1540	624	1120	333	1120	296	122	105	92
25	708	4240	961	2390	615	1050	326	995	268	117	98	91
26	1700	2840	932	3270	602	1030	309	771	245	113	100	89
27	2600	2110	893	3480	587	1020	299	627	228	108	94	87
28	1960	1960	826	2780	662	958	296	527	211	108	86	87
29	1630	2670	778	2230	---	896	280	509	200	115	78	87
30	1320	4810	829	1760	---	836	268	566	198	127	80	97
31	965	---	987	1490	---	781	---	1440	---	120	80	---
TOTAL	44147	54438	56576	48477	23556	49708	15582	72681	24392	5601	4487	3137
MEAN	1424	1815	1825	1564	841	1603	519	2345	813	181	145	105
MAX	5870	6230	7820	3480	1400	2540	954	15200	2730	364	333	230
MIN	369	560	778	809	587	747	268	309	198	108	78	68
CFSM	1.96	2.50	2.51	2.15	1.16	2.21	.72	3.23	1.12	.25	.20	.15
IN.	2.26	2.79	2.90	2.48	1.21	2.55	.80	3.72	1.25	.29	.23	.16

CAL YR 1977	TOTAL	523345	MEAN	1434	MAX	21400	MIN	82	CFSM	1.98	IN	26.82
WTR YR 1978	TOTAL	402782	MEAN	1104	MAX	15200	MIN	68	CFSM	1.52	IN	20.64

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 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)
OCT 12...	1000	3460	16	7.0	15.5	45	7.2	1.7	9	0
NOV 07...	1530	1540	22	7.7	18.0	10	7.0	2.8	14	0
FEB 15...	1500	900	31	7.5	7.0	7.0	9.5	2.5	8	0
AUG 08...	0830	120	40	6.5	26.5	15	7.2	1.9	12	0
SEP 06...	0700	88	38	6.7	24.0	8.0	7.7	3.8	10	0

DATE	ALKA- LITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 12...	7	1.4	.06	.01	.36	.37	.43	1.9	.06	.02
NOV 07...	11	.4	.01	.00	.43	.43	.44	1.9	.03	.02
FEB 15...	7	.4	.13	.02	.26	.28	.41	1.8	.01	.00
AUG 08...	10	6.1	.12	.01	.41	.42	.54	2.4	.17	.04
SEP 06...	8	3.2	.11	.00	.38	.38	.49	2.2	.03	.05

MOBILE RIVER BASIN

02444500 TOMBIGBEE RIVER NEAR COCHRANE, AL

LOCATION.--Lat 33°04'45", long 88°14'18", in N1/4sec.7, T.24 N., R.2 W., Pickens County, Hydrologic Unit 03160106, near left bank on downstream side of bridge on State Highway 17, 1.2 mi (1.9 km) northeast of Cochrane, 2.2 mi (3.5 km) downstream from Boguechitto Creek, 7 mi (11 km) southwest of Aliceville, and at mile 271.4 (436.7 km).

DRAINAGE AREA.--5,990 mi² (15,500 km²), approximately.

PERIOD OF RECORD.--October 1938 to March 1978 (April 1978 to September 1978, high-water discharge only). (discontinued). Monthly discharge only for period October to December 1938 published in WSP 1304; Gage-height records collected at same site from November 1909 to September 1924 are contained in reports of the National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 89.85 ft (27.386 m) National Geodetic Vertical Datum of 1929. Prior to July 10, 1939, nonrecording gage at site 200 ft (61 m) downstream at same datum. Since Jan. 30, 1940, auxiliary water-stage recorder or nonrecording gage 14 mi (23 km) downstream from base gage at datum 7.76 ft (2.365 m) lower.

REMARKS.--Water-discharge record fair.

AVERAGE DISCHARGE.--39 years (water years 1939-77), 8,655 ft³/s (245.1 m³/s), 19.62 in/yr (498 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 166,000 ft³/s (4,700 m³/s) Mar. 21, 1973; maximum gage height, 47.37 ft (14.439 m) Mar. 21, 1973; minimum discharge, 165 ft³/s (4.67 m³/s) Sept. 21, 1954; gage height, 2.34 ft (0.713 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1892 reached a stage of 50.2 ft (15.30 m), present datum (discharge not determined), from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 62,200 ft³/s (1,760 m³/s) May 15; maximum gage height, 35.93 ft (10.952 m) May 15; minimum discharge October to March, 1,660 ft³/s (47.0 m³/s) Oct. 24, gage height, 5.14 ft (1.567 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6940	5030	34400	5920	18900	8640		---				
2	6800	4450	38000	6280	14700	11300		---				
3	6530	5230	37000	5700	11300	12300		---				
4	6860	6940	36000	5200	8630	14400		---				
5	6360	11700	35000	5200	7140	14100		---				
6	4640	11600	33500	6200	6960	11700		---				
7	3290	10100	32000	7300	6180	9790		---				
8	3010	8320	30000	9500	5540	12200		---				
9	10400	6690	26000	12500	5040	13700		36100				
10	15500	6090	20000	15000	4790	16000		44700				
11	16300	5120	13000	16000	4570	18100		49500				
12	15500	4370	10500	16200	4450	18200		53500				
13	11500	3810	8700	13700	4420	17000		58400				
14	8300	3400	8200	10900	4550	18600		61100				
15	6300	3090	8800	9420	4760	23100		61400				
16	4130	2920	9400	8010	4830	24800		59200				
17	3130	2980	10300	7940	4570	26500		53900				
18	2660	5260	12500	10800	4240	30300		45400				
19	2370	6900	13000	12700	3980	31300		34400				
20	2140	9400	12200	13800	3800	28500		---				
21	1980	13000	10000	12500	3670	25500		---				
22	1870	18000	8200	10500	3550	21500		---				
23	1770	23500	6710	9460	3500	18300		---				
24	1700	26600	5870	9550	3480	14500		---				
25	4930	30200	5610	15400	3440	10000		---				
26	8340	32600	5260	18900	3370	8700		---				
27	10800	33400	5370	23000	3320	7400		---				
28	10400	33100	5200	24300	3610	6500		---				
29	8200	29400	4840	25600	---	5800		---				
30	6720	30800	4590	25600	---	5200		---				
31	5910	---	4970	23400	---	4600		---				
TOTAL	205280	394000	495120	396480	161290	488530		---				
MEAN	6622	13130	15970	12790	5760	15760		---				
MAX	16300	33400	38000	25600	18900	31300		---				
MIN	1700	2920	4590	5200	3320	4600		---				
CFSM	1.11	2.19	2.67	2.14	.96	2.63		---				
IN.	1.27	2.45	3.07	2.46	1.00	3.03		---				

CAL YR 1977 TOTAL 3808051 MEAN 10430 MAX 69000 MIN 625 CFSM 1.74 IN 23.65

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 (0.3 km) upstream from Cedar Creek, 1.0 mi (1.6 km) downstream from Gulf, Mobile and Ohio Railroad bridge, 1.5 mi (2.4 km) downstream from Horse Hunters Creek, and 6.2 mi (10.0 km) upstream from Running Water Creek.

DRAINAGE AREA.--812 mi² (2,103 km²).

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.

GAGE.--Water-stage recorder. Datum of gage is 142.38 ft (43.397 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to May 31, 1932, nonrecording gage at site 40 ft (12 m) downstream at different datum. Sept. 21, 1938, to Aug. 10, 1939, nonrecording gage at present site and datum.

REMARKS.--Records good. Occasional slight regulation by Bluff Lake at low water.

AVERAGE DISCHARGE.--44 years, 1,013 ft³/s (28.69 m³/s), 16.94 in/yr (430 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52,000 ft³/s (1,470 m³/s) Mar. 30, 1951, gage height, 32.97 ft (10.049 m); minimum, 22 ft³/s (0.62 m³/s) Aug. 25, 26, 1943, gage height, 4.89 ft (1.490 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in July 1892 reached a stage of about 34 ft (10.4 m), present site and datum, from information by local residents, and has not been exceeded since. Flood in December 1926 reached a stage of about 30 ft (9.1 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft³/s (142 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Dec. 2	1300	5550 157	24.06 7.333	May 11	0400	*16600 470	29.65 9.037
Jan. 26	0800	5030 142	23.25 7.087				

Minimum discharge, 42 ft³/s (1.19 m³/s) Sept. 26, 27, 28, gage height, 5.73 ft (1.746 m).

REVISIONS.--Revised daily discharges, in cubic feet per second, for the low-water periods in water-year 1977, are given below. These figures supersede those published in the report for 1977.

June 28, 1977.....	71	Sept. 1, 1977.....	73
July 5.....	74	2.....	67
6.....	68	3.....	63
Aug. 28.....	70	4.....	61
29.....	69	5.....	56

Month	Total	Mean	Max	Min	Ft ³ /s	Inches
June 1977	2940	98.0	145	71	0.12	0.13
July 1977	5612	181	511	68	.22	.26
Aug. 1977	4404	142	484	69	.18	.20
Sept. 1977	29036	968	4950	56	1.19	1.33
Wtr Yr 1977	495963	1359	31600	56	1.67	22.72

MOBILE RIVER BASIN

02448000 NOXUBEE RIVER AT MACON, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	895	238	5220	605	1630	770	346	202	695	158	106	63
2	699	212	5480	562	1710	922	333	445	945	145	104	62
3	1090	609	5140	517	1710	1200	306	370	1020	142	124	65
4	609	1050	4990	455	1360	1390	289	448	727	135	102	65
5	393	3280	5350	412	1230	1200	284	582	515	127	99	57
6	323	3550	5080	590	1030	1010	275	476	443	129	149	55
7	263	2560	4020	1060	842	1010	262	1240	1970	131	122	50
8	556	1830	2140	1020	727	2150	253	4000	2310	122	102	50
9	3240	1460	870	1470	650	2400	251	8190	1510	118	99	47
10	2990	912	777	1340	602	2540	245	12800	847	133	104	46
11	1500	596	670	1150	565	2390	262	15500	667	182	111	46
12	1170	456	607	1130	532	2060	346	11100	498	190	111	47
13	1040	380	580	1260	590	1790	328	8850	396	216	120	47
14	695	330	1320	1220	870	2860	311	7450	341	198	124	75
15	481	299	1510	980	698	3560	306	6390	293	405	127	72
16	377	285	1020	860	650	3410	284	4500	256	381	122	68
17	317	407	1180	1750	600	2770	275	2590	234	308	115	73
18	274	435	1750	2310	530	2480	253	1250	210	317	111	68
19	250	384	1430	1790	488	2520	262	725	690	258	100	55
20	234	427	1210	1760	448	2230	242	592	562	210	100	55
21	209	1470	1080	1860	419	1150	216	508	431	171	86	55
22	164	4500	815	1790	403	710	202	440	405	156	84	52
23	130	4670	645	1440	383	640	194	1550	377	144	82	49
24	123	4100	560	1530	366	698	188	732	330	131	81	47
25	1940	2820	573	3630	355	580	186	486	286	122	72	44
26	3380	2390	496	4970	346	498	178	394	247	118	68	41
27	1990	2440	443	4860	330	452	172	335	212	133	66	43
28	773	2660	405	3970	381	428	167	297	192	138	63	46
29	517	2880	374	3000	---	399	163	300	186	126	62	49
30	364	4470	443	2630	---	370	160	300	178	120	63	46
31	280	---	622	2410	---	352	---	348	---	113	68	---
TOTAL	27266	52100	56800	54331	20445	46939	7539	93390	17973	5477	3047	1638
MEAN	880	1737	1832	1753	730	1514	251	3013	599	177	98.3	54.6
MAX	3380	4670	5480	4970	1710	3560	346	15500	2310	405	149	75
MIN	123	212	374	412	330	352	160	202	178	113	62	41
CFSM	1.08	2.14	2.26	2.16	.90	1.87	.31	3.71	.74	.22	.12	.07
IN.	1.25	2.39	2.60	2.49	.94	2.15	.35	4.28	.82	.25	.14	.08
CAL YR 1977	TOTAL	594321	MEAN	1628	MAX	31600	MIN	56	CFSM	2.01	IN	27.23
WTR YR 1978	TOTAL	386945	MEAN	1060	MAX	15500	MIN	41	CFSM	1.31	IN	17.73

02448500 NOXUBEE RIVER NEAR GEIGER, AL

LOCATION.--Lat 32°55'06", long 88°17'45", in SE¼ sec.33, T.23 N., R.3 W., Sumter County, Hydrologic Unit 03160108, near left bank on downstream side of bridge on State Highway 17, 0.5 mi (0.8 km) upstream from Woodards Creek, 1 mi (1.6 km) upstream from Alabama, Tennessee and Northern Railroad bridge, 4 mi (6.4 km) north of Geiger, and at mile 16.9 (27.2 km).

DRAINAGE AREA.--1,140 mi² (2,950 km²), approximately.

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.--WSP 1384: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 86.08 ft (26.237 m) National Geodetic Vertical Datum of 1929. Prior to Sept. 30, 1940, nonrecording gage at site of old highway bridge 1 mi (1.6 km) downstream at datum 1.44 ft (0.439 m) lower. July 26, 1944, to June 5, 1949, nonrecording gage at present site and datum. Water-stage recorder for Tombigbee River at Gainesville is used as an auxiliary gage for this station.

REMARKS.--Water-discharge record fair. Discharge includes flow of Noxubee cutoff channel at bridge on State Highway 17, 1 mi (1.6 km) north of gage.

AVERAGE DISCHARGE.--34 years (water years 1939-40, 1944-65, 1966-78), 1,517 ft³/s (42.96 m³/s), 18.07 in/yr (459 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 37,600 ft³/s (1,060 m³/s) Mar. 31, 1951, gage height, 42.7 ft (13.01 m); minimum, 13 ft³/s (0.37 m³/s) July 7, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,260 ft³/s (262 m³/s) May 9, gage height, 30.94 ft (9.431 m); minimum, 67 ft³/s (1.90 m³/s) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2190	435	7820	984	2840	912	425	1290	312	187	122	92
2	1530	381	7550	882	3340	1170	412	1750	629	229	120	89
3	1980	1830	6700	759	2990	1530	400	843	958	181	140	88
4	1660	2260	5940	678	2310	1830	374	1090	1070	187	120	87
5	839	5040	5440	605	1800	1780	359	1020	751	167	120	85
6	452	5760	5210	1710	1540	1510	350	828	507	155	170	84
7	361	4490	5100	2780	1280	1550	334	1880	964	140	140	83
8	451	3030	4740	2080	1060	3140	321	6110	3370	138	120	82
9	2520	2160	2970	2410	906	3490	306	8890	3160	136	118	81
10	4040	1730	1230	2180	804	3780	304	8780	1860	133	118	80
11	3210	1210	1000	1690	732	3500	420	8120	1060	132	119	80
12	1880	819	884	1420	684	3020	720	8320	761	200	124	79
13	1280	617	797	2070	687	2650	586	10000	599	187	128	79
14	1130	520	1510	2300	867	4020	473	12100	495	212	127	79
15	762	465	2300	1760	1110	5560	400	12100	430	224	131	95
16	494	432	2040	1370	915	5060	378	11000	426	358	135	248
17	384	440	2030	2520	807	4220	352	9540	271	407	134	111
18	331	586	3690	3490	741	3280	386	7640	247	302	129	86
19	294	590	2830	3070	655	2740	430	4390	225	305	124	87
20	269	497	2010	2900	597	2730	371	2060	515	265	123	83
21	255	858	1600	2630	556	2410	323	943	648	222	114	78
22	237	3970	1370	2660	529	1390	287	1260	506	190	112	75
23	209	5160	1080	2480	510	848	267	586	402	167	106	74
24	179	4700	850	2480	494	753	260	1530	368	155	102	72
25	4190	4130	750	5510	478	873	250	904	333	142	101	71
26	7390	3070	700	7850	468	831	243	509	289	135	99	71
27	6160	2340	620	7620	455	652	230	411	257	150	98	72
28	3220	4250	589	6590	592	567	221	358	226	160	97	68
29	1200	5140	545	5410	---	523	216	316	203	145	95	68
30	715	5850	629	3980	---	486	213	301	190	140	94	67
31	520	---	879	3000	---	448	---	315	---	130	93	---
TOTAL	50332	72760	81403	87868	30747	67253	10611	125184	22032	5981	3673	2594
MEAN	1624	2425	2626	2834	1098	2169	354	4038	734	193	118	86.5
MAX	7390	5850	7820	7850	3340	5560	720	12100	3370	407	170	248
MIN	179	381	545	605	455	448	213	301	190	130	93	67
CFSM	1.43	2.13	2.30	2.49	.96	1.90	.31	3.54	.64	.17	.10	.08
IN.	1.64	2.37	2.66	2.87	1.00	2.19	.35	4.08	.72	.20	.12	.08
CAL YR 1977	TOTAL	809628	MEAN	2218	MAX	25200	MIN	86	CFSM	1.95	IN	26.42
WTR YR 1978	TOTAL	560438	MEAN	1535	MAX	12100	MIN	67	CFSM	1.35	IN	18.29

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 mi (3 km) downstream from Oakohay Creek, 8 mi (13 km) upstream from Big Creek, 9.5 mi (15.3 km) northeast of Collins, and at mile 114.5 (184.2 km).

DRAINAGE AREA.--752 mi² (1,948 km²).

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

REVISED RECORDS.--WSP 2106: 1950(M).

GAGE.--Water-stage recorder. Datum of gage is 197.48 ft (60.192 m) Mississippi State Highway Department datum. Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good except those for period of no gage-height record, Dec. 17 to Jan. 25, which are fair.

AVERAGE DISCHARGE.--40 years, 1,065 ft³/s (30.16 m³/s), 19.23 in/yr (488 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 54,200 ft³/s (1,540 m³/s) Apr. 14, 1974, gage height, 32.6 ft (9.936 m, from floodmark); minimum, 55 ft³/s (1.56 m³/s) Aug. 28-30, 1957.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1856 reached a stage of about 33 ft (10.1 m), and the flood in April 1900 reached a stage of 32 ft (9.8 m), from information by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,000 ft³/s (255 m³/s) Jan. 27, gage height, 16.62 ft (5.066 m), only peak above base of 8,000 ft³/s (227 m³/s); minimum, 109 ft³/s (3.09 m³/s) Sept. 26-28, gage height, 3.85 ft (1.173 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	661	468	5350	2000	2050	820	385	453	339	174	166	147
2	358	415	6170	1500	4680	884	366	908	396	179	150	131
3	309	813	6180	1000	4880	946	347	2420	1390	178	136	128
4	329	1440	3270	900	4670	962	334	4000	1070	241	131	125
5	302	1800	2070	800	2970	1080	324	3160	1070	332	126	120
6	261	2300	1360	760	2000	844	311	2680	643	255	126	117
7	201	3500	917	800	1430	714	302	2500	447	228	131	114
8	170	2800	759	900	1120	900	294	5920	552	294	143	130
9	733	2250	682	1700	1000	800	285	7240	546	273	199	135
10	1540	1790	685	1500	929	700	275	6700	435	213	273	120
11	1860	1120	650	1200	860	600	718	6380	379	222	271	115
12	1230	816	619	1000	801	500	3190	3570	352	174	235	114
13	517	650	592	900	1110	470	4310	2880	407	168	352	141
14	337	552	1190	800	1650	900	4150	2360	350	161	633	213
15	266	495	2110	740	1680	2550	2800	1700	304	178	489	187
16	222	462	2350	700	1250	3160	1640	1390	271	189	324	207
17	193	430	1300	900	946	2380	904	1490	250	183	235	170
18	178	401	1100	1500	820	1070	2540	2130	237	159	191	152
19	172	424	1000	3000	748	722	2750	1430	222	148	170	135
20	163	462	900	2000	696	605	2030	1280	218	141	159	126
21	161	629	840	1500	653	546	1450	1160	213	136	155	121
22	159	3880	800	1200	619	526	828	962	207	138	161	118
23	159	4810	750	1100	592	520	582	744	207	161	154	114
24	161	6460	710	1200	575	523	504	555	203	170	195	114
25	1450	4320	700	2000	562	675	539	471	197	299	218	111
26	3790	2300	900	6830	650	703	820	415	324	195	164	109
27	5360	1540	800	7670	786	643	737	376	207	174	143	109
28	5120	925	700	7120	740	568	602	355	246	174	131	109
29	1760	1840	800	3570	---	489	468	703	207	187	130	115
30	797	3720	1000	2200	---	444	396	565	181	189	150	118
31	565	---	3000	1610	---	410	---	387	---	181	164	---
TOTAL	29484	53812	50254	60600	41467	27654	35181	67284	12070	6094	6405	3965
MEAN	951	1794	1621	1955	1481	892	1173	2170	402	197	207	132
MAX	5360	6460	6180	7670	4880	3160	4310	7240	1390	332	633	213
MIN	159	401	592	700	562	410	275	355	181	136	126	109
CFSM	1.27	2.39	2.16	2.60	1.97	1.19	1.56	2.89	.54	.26	.28	.18
IN.	1.46	2.66	2.49	3.00	2.05	1.37	1.74	3.33	.60	.30	.32	.20

CAL YR 1977 TOTAL 518731 MEAN 1421 MAX 13800 MIN 121 CFSM 1.89 IN 25.66
WTR YR 1978 TOTAL 394270 MEAN 1080 MAX 7670 MIN 109 CFSM 1.44 IN 19.50

02472373 LEAF RIVER AT EASTABUCHIE, MS

LOCATION.--Lat 31°26'20", long 89°18'00", in SE¼ sec.33, T.6 N., R.13 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170004, at downstream side of bridge on county road, 0.9 mi (1.4 km) west of Eastabuchie, and 1.4 mi (2.3 km) east of Interstate Highway 59, and at mile 82.1 (132.1 km).

DRAINAGE AREA.--1043 mi² (2701 km²).

PERIOD OF RECORD.--Water years 1965-66, 1972, 1975, 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 06...	1730	390	54	7.3	21.5	65	20	7.9	K100	.21	.00
NOV 02...	1500	530	50	7.5	19.0	55	9.0	7.6	K74	.16	.01
DEC 07...	0800	1500	40	6.9	13.0	110	25	7.6	K150	.14	.01
JAN 11...	1000	1600	44	7.2	6.5	95	25	11.0	K840	.15	.01
FEB 08...	1400	1400	60	7.0	5.5	40	20	10.2	K81	.23	.01
MAR 03...	1000	1100	65	7.4	11.5	40	15	10.5	K160	.21	.01
APR 04...	1530	350	80	6.6	21.0	40	4.0	8.5	230	.19	.00
MAY 03...	1500	2800	52	6.8	20.0	60	40	7.5	--	.28	.01
JUN 15...	1530	460	65	6.2	27.5	55	15	8.0	K19	.30	.01
JUL 13...	1030	280	46	6.7	29.0	45	10	6.7	--	.32	.01
AUG 04...	1200	200	50	6.4	29.0	48	8.0	7.6	K75	.35	.01
SEP 07...	1700	160	61	5.5	28.5	40	5.0	5.3	420	.19	.01

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT CHARGE, SUS- PENDED (T/DAY)
OCT 06...	.21	.02	.27	.29	.50	2.2	.03	.01	8.3	40	42
NOV 02...	.17	.04	.41	.45	.62	2.7	.04	.01	12	30	43
DEC 07...	.15	.05	.38	.43	.58	2.6	.05	.02	12	20	81
JAN 11...	.16	.03	.49	.52	.68	3.0	.13	.02	6.9	40	173
FEB 08...	.24	.01	.27	.28	.52	2.3	.01	.01	11	20	76
MAR 03...	.22	.01	.46	.47	.69	3.1	.04	.01	4.3	34	101
APR 04...	.19	.01	.48	.49	.68	3.0	.02	.00	4.3	43	41
MAY 03...	.29	.08	.42	.50	.79	3.5	.08	.02	12	303	2290
JUN 15...	.31	.03	.27	.30	.61	2.7	.03	.01	5.9	--	--
JUL 13...	.33	.01	.28	.29	.62	2.7	.03	.01	5.6	14	11
AUG 04...	.36	.00	.35	.35	.71	3.1	.03	.05	5.3	10	5.4
SEP 07...	.20	.00	.25	.25	.45	2.0	.02	.01	3.4	60	26

PASCAGOULA RIVER BASIN

02472373 LEAF RIVER AT EASTABUCHIE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L 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	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CACO3)	
OCT 06...	19	6	5.8	1.1	4.5	31	.5	16	0	13

DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
OCT 06...	1.3	4.8	6.4	<10	<10	<10	<10	.00	<10	0

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	PCH, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 06...	0	.0	0	.0	.0	.0	.0	.2	.0	.0	.0

DATE	HEPTA- CHLOR EPOXIDE TOT. IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 06...	.0	.0	.0	.0	.0	.0	0	.0	0	0	.0

02472500 BOWIE CREEK NEAR HATTIESBURG, MS

LOCATION.--Lat 31°25'32", long 89°24'53", in NW¼SW¼ sec.4, T.5 N., R.14 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170004, on left bank 25 ft (8 m) downstream from upstream bridge of dual bridges on U.S. Highway 49, 1 mi (2 km) upstream from Okatoma Creek, 2 mi (3 km) southwest of Lux, and 10 mi (16 km) northwest of Hattiesburg.

DRAINAGE AREA.--304 mi² (787 km²).

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 (48.780 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 8, 1938, nonrecording gage at same site and datum.

REMARKS.--Record good.

AVERAGE DISCHARGE.--40 years, 439 ft³/s (12.43 m³/s), 19.61 in/yr (498 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 45,500 ft³/s (1,290 m³/s) Apr. 14, 1974, gage height, 28.18 ft (8.589 m), from floodmark; minimum, 83 ft³/s (2.35 m³/s) Aug. 29, 1957; minimum gage height, 2.37 ft (0.722 m) Sept. 16, 17, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,950 ft³/s (83.5 m³/s) Jan. 26, gage height, 10.52 ft (3.206 m), no peak above base of 4,000 ft³/s (113 m³/s); minimum, 130 ft³/s (3.68 m³/s) Sept. 26 gage height, 2.63 ft (0.802 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	219	204	1910	654	1350	396	221	198	214	160	157	156
2	182	204	1740	436	2050	339	218	198	273	168	150	143
3	194	245	1160	349	1580	360	213	954	1110	163	146	139
4	211	321	697	305	1030	351	209	1830	928	156	143	137
5	185	824	420	286	741	307	208	1090	417	153	139	136
6	166	943	345	276	506	280	204	444	292	174	137	136
7	157	906	303	276	431	329	203	391	253	194	140	136
8	154	737	276	428	388	670	199	1410	263	194	174	133
9	267	476	269	719	364	547	198	2160	293	174	186	133
10	406	380	278	515	347	388	194	2340	315	165	186	133
11	551	317	280	353	335	331	273	1410	237	156	179	133
12	635	265	263	315	321	301	540	643	245	166	179	134
13	414	240	262	331	401	284	763	801	284	174	190	147
14	290	226	558	319	561	398	572	836	224	157	224	156
15	224	218	597	293	436	547	366	624	199	171	204	163
16	199	214	470	280	366	378	280	378	190	163	182	159
17	185	211	639	931	325	309	245	329	183	179	163	169
18	175	209	488	801	309	275	965	813	180	163	154	153
19	172	211	343	797	297	260	1240	503	177	151	150	144
20	169	230	299	906	286	253	884	343	174	149	157	139
21	166	568	273	654	276	247	439	284	174	144	166	136
22	163	2000	254	467	269	247	303	256	172	147	157	134
23	162	1260	244	404	263	244	258	238	172	147	153	134
24	169	801	242	790	262	253	238	224	171	147	149	133
25	1050	509	244	2330	260	329	245	214	166	146	144	132
26	931	362	260	2760	470	333	292	206	165	146	141	132
27	609	307	269	1920	524	278	265	223	160	203	140	132
28	347	295	242	1240	401	251	228	204	160	199	139	136
29	260	297	398	813	---	240	213	230	157	211	140	141
30	228	1120	1350	506	---	233	203	290	156	214	146	143
31	213	---	1070	531	---	226	---	249	---	180	157	---
TOTAL	9453	15100	16443	21985	15149	10184	10879	20313	8104	5214	4972	4232
MEAN	305	503	530	709	541	329	363	655	270	168	160	141
MAX	1050	2000	1910	2760	2050	670	1240	2340	1110	214	224	169
MIN	154	204	242	276	260	226	194	198	156	144	137	132
CFSM	1.00	1.66	1.74	2.33	1.78	1.08	1.19	2.16	.89	.55	.53	.46
IN.	1.16	1.85	2.01	2.69	1.85	1.25	1.33	2.49	.99	.64	.61	.52
CAL YR 1977 TOTAL	153658		MEAN 421	MAX 5680	MIN 147	CFSM 1.39	IN 18.80					
WTR YR 1978 TOTAL	142028		MEAN 389	MAX 2760	MIN 132	CFSM 1.28	IN 17.38					

02472880 · BOWIE RIVER NEAR GLENDALE, MS

LOCATION.--Lat 31°23'44", long 89°21'56", in SE $\frac{1}{4}$ sec.14, T.5 N., R.14 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 031700004, at downstream side of bridge on county road, 5.1 mi (8.2 km) northwest of Glendale, and 4.2 mi (6.8 km) southeast of Lux, and at mile 10.5 (16.9 km).

DRAINAGE AREA.--681 mi² (1764 km²).

PERIOD OF RECORD.--Water years 1974, 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- CORALIT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
DOCT 07...	1030	356	23	7.2	19.0	40	15	7.7	210	.35	.01
NOV 02...	1400	410	25	7.5	19.5	37	4.0	7.9	220	.32	.01
DEC 07...	0900	626	20	6.8	12.0	55	10	8.6	350	.22	.01
JAN 11...	1100	740	38	7.3	7.0	85	15	11.2	K670	.21	.01
FEB 08...	1500	742	38	7.0	6.0	30	10	11.1	K75	.28	.01
MAR 01...	1100	718	41	6.6	13.0	50	15	3.4	350	.33	.01
APR 06...	0900	358	35	5.5	20.0	10	7.0	8.6	--	.28	.01
MAY 03...	1030	1640	35	6.8	19.5	60	55	8.1	--	.36	.02
JUN 14...	1100	442	34	7.7	24.0	65	15	8.2	K100	.38	.02
JUL 13...	1200	328	32	6.4	27.5	45	5.0	7.5	--	.44	.01
AUG 04...	1330	240	35	6.9	28.0	40	6.0	8.5	K120	.00	.00
SEP 07...	1300	250	31	7.4	26.0	35	4.0	6.4	350	.33	.01

DATE	NITRO- GEN, NH ₂ +NH ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NH ₃)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
OCT 07...	.36	.03	.14	.17	.53	2.3	.05	.04	6.0	18	17
NOV 02...	.33	.03	.40	.43	.76	3.4	.06	.03	10	22	24
DEC 07...	.23	.05	.30	.35	.58	2.6	.05	.02	11	30	51
JAN 11...	.22	.07	.70	.77	.99	4.4	.06	.02	8.5	18	36
FEB 08...	.29	.13	.25	.38	.67	3.0	.01	.01	4.2	73	146
MAR 01...	.34	.14	.43	.57	.91	4.0	.06	.02	5.8	16	31
APR 06...	.29	.04	.18	.22	.51	2.3	.05	.02	10	12	12
MAY 03...	.38	.07	.58	.65	1.0	4.6	.15	.05	11	242	1070
JUN 14...	.40	.03	.32	.35	.75	3.3	.06	.03	12	--	--
JUL 13...	.45	.01	.36	.37	.82	3.6	.05	.02	3.6	11	9.7
AUG 04...	.00	.00	.07	.07	.07	.31	.05	.00	6.7	16	10
SEP 07...	.34	.00	.09	.09	.43	1.9	.05	.03	4.3	--	--

02472880 BOWIE RIVER NEAR GLENDALE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L 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	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CACO3)
OCT 07...	7	0	1.7	.7	3.4	45	.6	12	0	10

DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
OCT 07...	1.2	.9	3.8	<10	<10	<10	<10	.00	<10	0

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 07...	0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0

DATE	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 07...	.0	.0	.0	.0	.0	.0	0	.0	0	0	.0

PASCAGOULA RIVER BASIN

02473000 LEAF RIVER AT HATTIESBURG, MS

LOCATION.--Lat 31°20'33", long 89°16'46", in SW¼NW¼ sec.2, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170005, on left bank at downstream side of bridge on U.S. Highway 11, at eastern city limits of Hattiesburg, 300 ft (90 m) downstream from Bowie Creek, 3,000 ft (900 m) upstream from New Orleans and Northeastern Railroad bridge, and at mile 71.8 (115.5 km).

DRAINAGE AREA.--1,760 mi² (4,560 km²), approximately.

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 (36.037 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 15, 1939, nonrecording gage at same site and datum.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--40 years, 2,619 ft³/s (74.17 m³/s), 20.21 in/yr (513 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 121,000 ft³/s (3,430 m³/s) Apr. 15, 1974, gage height, 34.03 ft (10.372 m); minimum, 318 ft³/s (9.01 m³/s) Oct. 22, 1963; minimum gage height, 2.98 ft (0.908 m) Sept. 12, 25, 26, 1978.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1900 reached a stage of about 33.6 ft (10.24 m) from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 14,000 ft³/s (396 m³/s) May 9, gage height, 15.18 ft (4.627 m); minimum, 518 ft³/s (14.7 m³/s) Sept. 12, 25, 26, gage height, 2.98 ft (0.908 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	4.38	11.84	8.04	8.74	5.40	4.15	3.93	4.53	3.44	3.33	3.23
2	---	4.17	12.56	7.27	12.28	5.34	4.11	4.35	4.49	3.39	3.26	3.15
3	---	4.12	12.45	6.22	12.27	5.62	---	9.04	7.00	3.37	3.19	3.08
4	---	5.10	11.61	5.77	11.39	5.55	---	13.17	8.40	3.35	3.14	3.05
5	---	7.66	8.45	5.47	10.37	5.41	---	11.36	6.75	3.44	3.12	3.03
6	---	9.87	6.91	5.31	8.31	5.33	---	9.25	5.96	3.54	3.09	3.01
7	---	---	5.91	5.31	7.17	5.45	---	8.38	4.94	3.51	3.07	3.00
8	---	---	5.34	5.77	6.39	6.62	---	10.44	6.43	3.59	3.17	3.00
9	---	9.65	5.06	6.88	6.00	6.60	---	14.50	5.78	3.73	3.35	3.00
10	---	7.35	4.97	7.11	5.75	6.47	---	15.03	5.08	3.62	3.42	3.03
11	---	6.34	5.02	6.80	5.54	5.99	---	14.16	4.50	3.47	3.70	3.00
12	---	5.38	4.85	6.11	5.36	5.45	---	12.37	4.31	3.45	3.69	2.99
13	---	4.85	4.78	5.75	---	5.15	9.18	10.15	4.28	3.43	3.54	3.06
14	---	4.51	5.12	5.54	---	5.34	9.90	9.80	4.19	3.34	4.06	3.23
15	---	4.30	5.85	5.36	---	6.59	9.08	8.40	3.96	3.35	4.46	3.44
16	---	4.18	8.36	5.31	---	7.62	7.35	7.11	3.83	3.63	4.07	3.47
17	---	4.12	8.85	6.61	---	8.02	5.92	6.48	3.73	3.70	3.68	3.53
18	---	4.06	8.26	8.06	---	6.71	6.00	9.52	3.67	3.49	3.44	3.34
19	---	4.02	7.02	8.88	---	5.40	10.10	7.89	3.61	3.31	3.31	3.22
20	---	4.11	6.28	9.27	---	4.90	9.41	6.69	3.56	3.23	3.27	3.14
21	---	5.07	5.94	8.27	---	4.72	8.11	6.13	3.54	3.18	3.26	3.08
22	---	10.56	5.62	7.26	---	4.62	6.72	5.76	3.53	3.18	3.26	3.07
23	---	11.36	5.36	6.49	---	4.68	5.25	5.38	3.54	3.24	3.41	3.05
24	---	11.10	5.20	6.69	---	4.63	4.66	4.96	3.51	3.31	3.35	3.02
25	---	11.35	5.19	12.07	---	4.93	4.45	4.66	3.47	3.29	3.24	3.00
26	---	9.28	5.33	14.69	---	5.34	4.67	4.46	3.45	3.65	3.30	3.04
27	---	6.99	5.33	13.97	---	5.10	5.02	4.32	3.78	3.57	3.19	3.48
28	9.85	6.09	5.20	13.77	---	4.62	4.67	4.24	3.78	3.41	3.11	3.11
29	9.22	5.52	5.31	12.59	---	4.41	4.34	4.15	3.68	3.52	3.09	3.11
30	6.08	8.27	7.91	9.12	---	4.27	4.08	4.77	3.49	3.76	3.09	3.09
31	4.84	---	8.61	7.75	---	4.19	---	4.74	---	3.47	3.17	---
MEAN	---	---	6.92	7.86	---	5.50	---	7.92	4.49	3.45	3.38	3.14
MAX	---	---	12.56	14.69	---	8.02	---	15.03	8.40	3.76	4.46	3.53
MIN	---	---	4.78	5.31	---	4.19	---	3.93	3.45	3.18	3.07	2.99

02473000 LEAF RIVER AT HATTIESBURG, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1450	1370	9010	4440	5220	2130	1210	1060	1480	766	704	649
2	1310	1220	10000	3700	9620	2080	1180	1370	1450	737	665	606
3	1220	1190	9840	2780	9590	2300	1100	5920	3500	726	628	570
4	1350	1910	8710	2420	8390	2240	1080	10900	4810	715	601	554
5	1200	4100	4850	2180	7080	2140	1050	8370	3240	766	590	544
6	1010	6450	3370	2060	4720	2080	1020	5720	2570	830	575	534
7	905	8000	2540	2060	3610	2170	1000	4790	1780	806	564	528
8	900	8700	2080	2420	2920	3120	980	7240	2990	853	617	528
9	1500	6220	1870	3340	2600	3100	960	12900	2420	945	715	528
10	2500	3770	1810	3550	2400	2990	940	13700	1870	871	754	544
11	3500	2890	1840	3270	2240	2590	920	12400	1450	783	920	528
12	4500	2110	1710	2690	2100	2170	3000	9750	1310	771	914	523
13	3300	1710	1660	2400	3500	1940	5650	6800	1290	760	824	559
14	1800	1460	1920	2240	2600	2090	6480	6360	1230	709	1150	649
15	1300	1310	2480	2100	2300	3100	5540	4810	1080	715	1420	771
16	1100	1230	4760	2060	2200	4030	3780	3560	1000	877	1160	783
17	1000	1190	5270	3110	2100	4420	2540	3000	939	920	957	818
18	900	1150	4660	4460	2000	3710	2620	6050	902	794	788	709
19	833	1120	3470	5310	1900	2130	6770	4310	865	693	693	644
20	800	1180	2830	5730	1850	1750	5910	3180	835	649	671	601
21	780	1930	2550	4670	1800	1620	4520	2710	824	622	665	570
22	760	7340	2300	3700	1780	1540	3210	2410	818	622	665	564
23	740	8350	2100	3010	1760	1590	2020	2110	824	655	749	554
24	900	8000	1980	3210	1750	1550	1570	1810	806	693	721	539
25	2000	8330	1970	9390	3000	1780	1420	1570	783	682	655	528
26	4500	5820	2080	13200	3500	2080	1580	1430	771	896	687	549
27	5690	3450	2080	12100	2700	1900	1840	1330	970	841	628	794
28	6420	2680	1980	11800	2300	1540	1580	1270	970	749	585	585
29	5730	2220	2060	10100	---	1390	1340	1210	908	818	575	585
30	2680	4730	4310	5610	---	1290	1160	1650	794	957	575	575
31	1710	---	5020	4160	---	1240	---	1630	---	783	617	---
TOTAL	64288	111130	113110	143270	97530	69300	73970	151320	45479	24004	23032	18013
MEAN	2074	3704	3649	4622	3483	2235	2466	4881	1516	774	743	600
MAX	6420	8700	10000	13200	9620	4420	6770	13700	4810	957	1420	818
MIN	740	1120	1660	2060	1750	1240	920	1060	771	622	564	523
CFSM	1.18	2.11	2.07	2.63	1.98	1.27	1.40	2.77	.86	.44	.42	.34
IN.	1.36	2.35	2.39	3.03	2.06	1.46	1.56	3.20	.96	.51	.49	.38
CAL YR 1977	TOTAL	1199622	MEAN	3287	MAX	23500	MIN	621	CFSM	1.87	IN	25.36
WTR YR 1978	TOTAL	934446	MEAN	2560	MAX	13700	MIN	523	CFSM	1.46	IN	19.75

PASCAGOULA RIVER BASIN

02473260 LEAF RIVER NEAR PALMER, MS

LOCATION.--Lat 31°15'40", long 89°13'35", in SW¼ sec.32, T.4 N., R.12 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 03170005, at downstream side of bridge on county road, 0.6 mi (1.0 km) east of Palmer, and 3.2 mi (5.1 km) northwest of Four Points, and at mile 61.6 (99.1 km).

DRAINAGE AREA.--1821 mi² (4716 km²).

PERIOD OF RECORD.--Water years 1971-75, 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCTI- VITY (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COHALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT											
07...	0900	880	58	6.9	21.0	55	20	5.7	4200	.28	.01
NOV											
03...	0800	1180	57	7.1	18.5	55	10	6.4	K1800	.20	.01
DEC											
06...	1600	3390	40	7.1	15.5	110	30	7.2	490	.11	.01
JAN											
11...	0900	2700	98	7.2	7.0	80	20	10.5	2700	.19	.01
FEB											
09...	0900	2350	60	6.6	5.5	50	20	11.0	400	.24	.01
MAR											
02...	1500	1760	68	6.9	13.0	50	15	11.8	K1200	.28	.01
APR											
05...	1400	770	75	6.2	23.0	30	4.0	8.8	250	.22	.01
MAY											
03...	1300	7900	33	7.0	20.0	60	150	7.6	--	.21	.02
JUN											
15...	1400	1060	70	6.4	28.0	15	5.0	7.7	K980	.30	.01
JUL											
13...	0900	760	62	6.5	29.0	45	7.0	6.0	--	.33	.01
AUG											
04...	1000	610	63	6.3	29.0	50	9.0	6.6	K1400	.38	.01
SEP											
07...	1500	510	78	5.5	30.0	40	6.0	5.2	210	.28	.01

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
OCT											
07...	.29	.12	.32	.44	.73	3.2	.10	.06	6.4	39	93
NOV											
03...	.21	.16	.47	.63	.84	3.7	.18	.05	13	33	105
DEC											
06...	.12	.08	.46	.54	.66	2.9	.09	.03	10	45	412
JAN											
11...	.20	.11	.67	.78	.98	4.3	.09	.03	5.7	30	219
FEB											
09...	.25	.13	.29	.42	.67	3.0	.06	.02	2.0	49	311
MAR											
02...	.29	.13	.44	.57	.86	3.8	.12	.04	6.0	26	124
APR											
05...	.23	.08	.43	.51	.74	3.3	.18	.08	6.5	22	46
MAY											
03...	.23	.14	.65	.79	1.0	4.5	.25	.05	9.7	1190	25400
JUN											
15...	.31	.07	.34	.41	.72	3.2	.12	.05	--	--	--
JUL											
13...	.34	.08	.41	.49	.83	3.7	.08	.04	6.1	20	41
AUG											
04...	.39	.00	.70	.70	1.1	4.8	.10	.04	4.9	16	26
SEP											
07...	.29	.06	.28	.34	.63	2.8	.24	.11	6.1	6	8.3

02473260 LEAF RIVER NEAR PALMER, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L 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	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CACO3)
OCT 07...	15	2	3.9	1.2	7.1	47	.8	16	0	13

DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLU- RIDE, DIS- SOLVED (MG/L AS CL)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
OCT 07...	3.2	5.8	8.1	<10	<10	<10	<10	.00	<10	10

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 07...	0	.0	0	.0	.0	.0	.0	.8	.0	.0	.0

DATE	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 07...	.0	.0	.0	.0	.0	.0	0	.0	0	0	.0

PASCAGOULA RIVER BASIN

02473460 TALLAHALA CREEK AT WALDRUP, MS

LOCATION.--Lat 31°57'58", long 89°06'55", in SW¼ sec.31, T.2 N., R.12 E., Choctaw Meridian, Jasper County, Hydrologic Unit 03170005, at downstream side of bridge on State Highway 528, 0.5 mi (0.8 km) west of Waldrup, and at mile 90.0 (144.8 km).

DRAINAGE AREA.--99.0 mi² (256.4 km²).

PERIOD OF RECORD.--Water years 1965, 1972, 1976 to current year.

REMARKS.--Samples are collected by a local observer.

*WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTANTANEOUS (CFS)	SPECIFIC CONDUCTANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
OCT									
04...	1805	32	150	5.2	18.0	130	30	8.2	.10
NOV									
12...	1200	46	125	5.8	12.5	120	25	9.2	.01
DEC									
11...	1700	56	135	5.5	5.0	70	20	11.5	.07
JAN									
08...	1730	230	105	7.1	8.5	60	35	10.0	.10
29...	1800	1420	125	7.1	5.0	130	40	10.2	.04
MAR									
04...	1515	61	135	7.0	9.0	50	20	10.2	.07
APR									
02...	1730	86	85	7.2	19.0	50	15	8.2	.05
MAY									
08...	1730	1800	43	7.2	19.0	160	50	7.8	.05
JUN									
04...	2100	40	75	6.8	23.5	180	40	7.0	.16
AUG									
09...	1245	15	100	7.0	25.0	40	15	7.0	--
SEP									
10...	1815	3.0	155	5.9	24.0	40	7.0	6.9	1.6

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N(3))	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPHOS- PHATE, TOTAL (MG/L AS P)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT, DIS- CHARGE, SUS- PENDED (T/DAY)
OCT									
04...	.04	.86	.90	1.0	4.4	.03	.01	34	2.9
NOV									
12...	.03	.51	.54	.55	2.4	.04	.01	6	.75
DEC									
11...	.07	.43	.50	.57	2.5	.03	.00	--	--
JAN									
08...	.10	.63	.73	.83	3.7	.05	.01	36	22
29...	.02	.68	.70	.74	3.3	.03	.02	90	345
MAR									
04...	.01	.38	.39	.46	2.0	.02	.01	19	3.1
APR									
02...	.05	.47	.52	.57	2.5	.02	.00	15	3.5
MAY									
08...	.05	.69	.74	.79	3.5	.08	.03	82	399
JUN									
04...	.09	.67	.76	.92	4.1	.05	.01	58	6.3
AUG									
09...	--	--	--	--	--	.02	--	33	1.3
SEP									
10...	.25	.56	.81	2.4	11	.03	.01	24	.19

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA + ORGANIC DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, ORTHOPHOS- PHATE, DIS- SOLVED (MG/L AS P)	PHOS- PHORUS, ORTHOPHOS- PHATE, DIS- SOLVED (MG/L AS P)
OCT								
04...	.13	.03	.04	.87	.00	.90	.02	.00

DATE	PHOS- PHATE, ORTHOPHOS- PHATE, DIS- SOLVED (MG/L AS P(4))	IRON, TOTAL RECOVER- ABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOVER- ABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOVER- ABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
OCT							
04...	.00	1100	120	0	60	30	30

02473490 TALLAHALA CREEK NEAR SANDERSVILLE, MS

LOCATION.--Lat 31°47'07", long 89°04'33", in SW¼ sec.35, T.10 N., R.11 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170005, at downstream side of bridge on county road, 2.4 mi (3.9 km) west of Sandersville, and at mile 67.0 (107.8 km).

DRAINAGE AREA.--197.7 mi² (512.0 km²).

PERIOD OF RECORD.--Water years 1965, 1974 to current year.

REMARKS.--Samples are collected by a local observer.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- CORAL T UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
NOV 04...	1800	39	145	5.3	19.5	60	20	8.0	.15
DEC 12...	1030	153	125	5.9	13.0	90	10	9.0	.04
JAN 11...	1620	160	130	5.4	6.5	80	20	11.0	.05
FEB 08...	1615	164	100	7.2	8.0	55	20	10.2	.09
MAR 29...	1700	1720	120	7.2	6.0	150	40	10.2	.05
APR 04...	1430	172	154	7.0	10.0	50	20	10.0	.06
MAY 02...	1640	71	160	7.2	19.0	40	9.0	8.0	.05
JUN 08...	1630	982	88	7.2	19.0	160	45	7.7	.05
AUG 04...	2000	245	110	6.9	23.5	150	35	7.1	.16
SEP 09...	1200	5.0	190	6.8	26.0	30	8.0	6.5	--
OCT 10...	1730	9.2	160	6.1	24.5	50	6.0	6.7	.13

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NUS)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
OCT 04...	.02	1.3	1.3	1.4	6.4	.05	.01	38	4.0
NOV 12...	.07	1.1	1.2	1.2	5.5	.05	.00	32	13
DEC 11...	.09	.53	.62	.67	3.0	.02	.00	--	--
JAN 08...	.14	.38	.52	.61	2.7	.03	.01	30	13
29...	.03	.71	.74	.79	3.5	.04	.01	94	437
MAR 04...	.02	.38	.40	.46	2.0	.03	.01	12	5.6
APR 02...	.04	.53	.57	.62	2.7	.02	.00	10	1.9
MAY 08...	.05	.56	.61	.66	2.9	.07	.01	85	225
JUN 04...	.09	.81	.90	1.1	4.7	.06	.01	64	42
AUG 09...	--	--	--	--	--	.01	--	40	.54
SEP 10...	.07	.28	.35	.48	2.1	.02	.01	26	.65

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 04...	.16	.05	.06	1.3	.00	1.3	.05
DATE	PHOS- PHORUS, ORTH0, DIS- SOLVED (MG/L AS P)	PHOS- PHATE, ORTH0, DIS- SOLVED (MG/L AS P04)	IRON, TOTAL RECOV- ERABLE (AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
OCT 04...	.00	.00	1500	410	110	20	90

PASCAGOULA RIVER BASIN

02473500 TALLAHALA CREEK AT LAUREL, MS

LOCATION.--Lat 31°40'50", long 89°06'55", in NE¼NE¼ sec.8, T.8 N., R.11 W., St. Stephens Meridian, Jones County, Hydrologic Unit 03170005, on right bank at downstream side of bridge on State Highway 15, 0.5 mi (0.8 km) upstream from Gulf, Mobile and Ohio Railroad bridge, 0.5 mi (0.8 km) southeast of city limits of Laurel, and 6 mi (10 km) upstream from Tallahoma Creek.

DRAINAGE AREA.--233 mi² (603 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 201.37 ft (61.378 m) Mississippi State Highway Department datum. Prior to Dec. 14, 1938, nonrecording gage at same site and datum.

REMARKS.--Records good to June 13 and fair thereafter.

AVERAGE DISCHARGE.--40 years, 339 ft³/s (9.600 m³/s), 19.76 in/yr (502 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 23,300 ft³/s (660 m³/s) Apr. 14, 1974, gage height, 23.28 ft (7.096 m), from floodmark; minimum, 1.8 ft³/s (0.051 m³/s) Nov. 3, 1952, Oct. 31, Nov. 1, 1963; minimum gage height, 1.21 ft (0.369 m) Oct. 31, Nov. 1, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1880, about 26 ft (7.9 m) Dec. 9, 1919. Flood in April 1900 reached a stage of about 24 ft (7.3 m), from information by local residents. Flood in April 1938 reached a stage of 20.7 ft (6.31 m) from information by Mississippi State Highway Department.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,240 ft³/s (91.8 m³/s) Jan. 29, gage height, 15.04 ft (4.584 m), only peak above base of 3,000 ft³/s (85.0 m³/s); minimum discharge, 8.7 ft³/s (0.25 m³/s) Sept. 25, 26, gage height, 1.78 ft (0.543 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	53	87	762	563	718	244	128	162	118	29	53	14
2	92	79	899	537	979	264	122	244	151	33	41	13
3	76	80	974	305	1120	266	115	791	175	54	35	13
4	64	103	1100	215	1180	252	107	1280	321	56	29	13
5	54	164	1220	183	1310	232	102	1240	297	53	22	13
6	56	382	572	164	1500	203	100	1230	178	57	18	12
7	53	549	275	158	1070	245	96	1090	129	104	17	10
8	64	596	219	190	440	449	98	1200	121	219	16	9.6
9	119	628	195	283	363	532	96	1480	121	112	16	9.3
10	151	338	191	445	326	503	91	1610	111	68	17	9.6
11	240	219	190	512	298	394	188	2220	104	53	21	9.3
12	265	192	184	338	276	310	318	2780	92	47	39	9.6
13	138	150	172	231	272	273	588	2470	118	54	50	9.3
14	88	120	178	212	311	320	773	1960	300	59	66	9.0
15	67	105	275	209	420	495	920	1070	310	46	47	25
16	56	95	422	197	398	524	1100	581	200	35	78	21
17	48	91	380	268	295	487	981	443	130	30	84	16
18	43	91	267	454	255	306	422	557	84	30	54	18
19	40	89	306	648	235	237	642	578	67	35	47	41
20	36	89	351	802	220	211	894	386	58	34	35	27
21	33	201	242	838	216	198	1050	289	54	32	30	18
22	32	775	189	689	196	185	1190	236	54	35	28	14
23	30	887	163	482	191	181	486	201	53	29	22	11
24	32	784	146	451	177	185	237	230	52	34	196	9.6
25	129	818	146	932	172	192	215	168	47	38	77	9.0
26	274	934	146	1340	202	195	239	130	41	41	41	10
27	371	641	159	1400	223	186	290	108	47	47	17	20
28	457	224	161	2080	243	169	233	91	35	88	15	15
29	447	170	172	3150	---	152	170	80	34	73	13	19
30	186	350	287	2270	---	141	138	359	29	79	13	15
31	112	---	466	1480	---	135	---	193	---	61	3	---
TOTAL	3906	10031	11409	22026	13606	8666	12129	25457	3631	1765	1250	442.3
MEAN	126	334	368	711	486	280	404	821	121	56.9	40.3	14.7
MAX	457	934	1220	3150	1500	532	1190	2780	321	219	196	41
MIN	30	79	146	158	172	135	91	80	29	29	13	9.0
CFSM	.54	1.43	1.58	3.05	2.09	1.20	1.73	3.52	.52	.24	.17	.06
IN.	.62	1.60	1.82	3.52	2.17	1.38	1.94	4.06	.58	.28	.20	.07
CAL YR 1977	TOTAL	166090.0	MEAN	455	MAX	6600	MIN	14	CFSM	1.95	IN	26.52
WTR YR 1978	TOTAL	114318.3	MEAN	313	MAX	3150	MIN	9.0	CFSM	1.34	IN	18.25

02474500 TALLAHALA CREEK NEAR RUNNELSTOWN, MS

LOCATION.--Lat 31°19'57", long 89°06'46", in SE¼SE¼ sec.5, T.4 N., R.11 W., St. Stephens Meridian, Perry County, Hydrologic Unit 03170005, on right bank at downstream side of highway bridge between Sunrise and Runnelstown, 3 mi (5 km) south of Runnelstown, and 9 mi (14 km) upstream from mouth.

DRAINAGE AREA.--612 mi² (1,585 km²).

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 104.58 ft (31.876 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1971, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records good.

AVERAGE DISCHARGE.--39 years, 926 ft³/s (26.22 m³/s), 20.55 in/yr (522 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 32,800 ft³/s (929 m³/s) Feb. 24, 1961, gage height, 29.84 ft (9.095 m) in gage well, 30.07 ft (9.165 m) from outside gage, present datum; minimum, 29 ft³/s (0.82 m³/s) Oct. 31, 1963; minimum gage height, 4.75 ft (1.488 m) Sept. 24, 1978, result of temporary, unknown regulation.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since about 1865, 30½ ft (9¼ m) in April 1900; flood in December 1919 reached a stage of 26½ ft (8 m), and flood in about 1865 reached a stage between 26½ ft (8 m) and 30½ ft (9¼ m), all from information by local residents, at datum 5.00 ft (1.524 m) higher.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,440 ft³/s (126 m³/s) May 9, gage height, 14.73 ft (4.490 m); minimum, 60 ft³/s (1.70 m³/s) Sept. 24, gage height, 4.75 ft (1.448 m), result of temporary, unknown regulation.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	381	424	2450	1630	4110	733	356	354	725	138	168	89
2	262	316	2560	1590	3790	693	338	362	443	127	151	86
3	286	348	2460	1410	3290	781	315	2120	921	120	134	83
4	318	353	2410	1000	2930	777	303	3690	1130	144	124	82
5	253	637	2450	785	2760	693	289	3670	1060	425	116	78
6	219	1180	2480	681	2710	617	279	3220	917	191	110	76
7	192	1430	1650	621	2770	837	272	2740	573	192	104	75
8	194	1470	933	893	2330	1610	264	2970	821	257	103	72
9	308	1680	757	1230	1380	1680	255	4030	689	346	97	69
10	992	1700	681	1220	1120	1460	249	3740	434	294	110	69
11	772	1110	653	1320	1000	1240	301	3500	383	464	216	68
12	992	720	633	1330	925	1020	785	3650	369	214	504	67
13	892	584	605	1110	909	829	1380	4050	392	164	199	69
14	559	465	777	893	917	841	1690	4320	351	159	199	73
15	364	376	833	801	1010	1190	1710	4200	406	173	212	85
16	280	330	989	761	1130	1290	1770	3350	389	191	168	158
17	233	308	1550	1200	1070	1210	1900	1770	301	155	172	203
18	208	288	1630	1670	881	1160	1790	2830	249	137	181	183
19	183	295	1050	2140	769	829	1810	2620	221	124	178	129
20	168	293	965	2520	709	621	1900	1700	196	127	194	109
21	151	555	981	2380	661	537	1950	1150	184	128	245	106
22	140	2770	781	2110	601	504	2140	837	186	129	156	98
23	129	2940	637	1790	541	501	2160	661	181	155	127	91
24	123	2750	557	3340	500	480	1180	649	168	165	120	86
25	512	2420	537	3350	480	529	645	545	159	175	158	79
26	1070	2140	573	3950	518	549	541	455	154	207	178	80
27	968	2150	529	3750	569	529	561	392	149	452	117	201
28	1000	1950	525	3520	717	490	669	349	140	194	105	117
29	1110	880	625	3440	---	449	557	400	134	168	103	118
30	1160	1450	1650	3700	---	406	420	325	141	262	99	100
31	800	---	1670	4030	---	378	---	697	---	194	95	---
TOTAL	15219	34312	37581	60165	41097	25463	28779	65346	12566	6371	4943	2999
MEAN	491	1144	1212	1941	1468	821	959	2108	419	206	159	100
MAX	1160	2940	2560	4030	4110	1680	2160	4320	1130	464	504	203
MIN	123	288	525	621	480	378	249	325	134	120	95	67
CFSM	.80	1.87	1.98	3.17	2.40	1.34	1.57	3.44	.69	.34	.26	.16
IN.	.93	2.09	2.28	3.66	2.50	1.55	1.75	3.97	.76	.39	.30	.18
CAL YR 1977 TOTAL	435281			1193	MAX 8210	MIN 74	CFSM 1.95	IN 26.46				
WTR YR 1978 TOTAL	334841			MEAN 917	MAX 4320	MIN 67	CFSM 1.50	IN 20.35				

PASCAGOULA RIVER BASIN

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, at bridge on county highway, 0.5 mi (0.8 km) upstream from Linda Creek, 1.0 mi (1.6 km) downstream from Sweetwater Creek, 3.5 mi (5.6 km) upstream from State Highway 42, and 6.0 mi (9.7 km) northwest of Richton.

DRAINAGE AREA.--344 mi² (891 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 117 ft (35.7 m), from topographic map.

REMARKS.--Records good except those for periods of no gage-height record April 7 to May 18 and May 21 to June 27, which are fair. Discharge affected by occasional regulation of Bogue Homo Lake.

AVERAGE DISCHARGE.--8 years, 603 ft³/s (17.08 m³/s), 23.80 in/yr (605 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,900 ft³/s (620 m³/s) Dec. 28, 1973, gage height, 27.63 ft from floodmark; minimum, 7.0 ft³/s (0.20 m³/s) Sept. 16, 1972, minimum gage height, 3.49 ft (1.064 m) July 2, 1977.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood prior to January 1941, reached a stage of 26½ ft (8 m) and the flood of Mar. 21, 1943, reached a stage of 25.7 ft (7.83 m) at site 3.5 mi (5.6 km) downstream at different datum (from information by Corps of Engineers). A discharge of 4.7 ft³/s (0.13 m³/s) was measured Oct. 16, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge and gage height not determined; minimum discharge 16 ft³/s (0.45 m³/s) Sept. 6, 7, 8, gage height, 3.55 ft (1.082 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	160	153	1010	878	1380	170	126	100	120	29	106	19
2	150	155	857	664	1770	165	116	150	180	27	153	18
3	144	180	664	468	1640	165	102	500	200	25	87	17
4	148	209	576	369	1220	198	90	1000	300	26	52	17
5	170	354	584	322	1150	223	83	1550	420	45	37	17
6	162	525	495	298	1120	218	78	1500	380	40	29	16
7	160	495	347	288	1000	369	76	830	320	47	25	16
8	158	392	291	584	740	937	74	1900	180	59	24	57
9	170	495	272	950	537	916	72	1800	300	33	26	77
10	302	453	259	724	445	815	70	1700	230	106	27	78
11	487	354	259	529	381	769	100	1900	160	141	70	80
12	438	282	253	419	344	732	250	2100	120	59	66	80
13	366	220	253	400	369	540	400	2400	140	41	41	83
14	288	193	329	407	396	434	600	2600	110	39	103	88
15	232	177	388	358	373	514	700	2200	138	150	112	97
16	198	167	369	322	329	529	900	2000	130	220	57	97
17	180	170	592	696	305	510	700	1800	90	104	39	97
18	167	193	1030	916	282	521	600	1580	70	97	30	95
19	160	280	798	1120	266	411	640	1210	60	61	32	94
20	155	400	580	1320	256	247	700	845	50	44	66	92
21	146	660	419	1090	244	195	800	540	52	39	64	92
22	108	1200	326	836	235	177	1000	350	46	37	48	90
23	92	1300	285	652	232	185	840	220	41	35	37	77
24	93	1100	266	700	215	212	500	215	39	53	30	69
25	315	800	295	1930	144	204	280	170	38	77	25	64
26	525	780	369	2460	130	223	170	130	36	104	22	49
27	487	690	315	2120	120	215	150	80	33	177	20	83
28	354	500	275	1670	144	190	130	125	36	82	21	74
29	232	384	347	1730	---	167	110	150	32	69	21	61
30	185	580	1060	1740	---	148	105	100	29	56	23	47
31	162	---	1120	1510	---	135	---	96	---	42	20	---
TOTAL	7094	13841	15283	28470	15767	11434	10562	31841	4080	2164	1513	1941
MEAN	229	461	493	918	563	369	352	1027	136	69.8	48.8	64.7
MAX	525	1300	1120	2460	1770	937	1000	2600	420	220	153	97
MIN	92	153	253	288	120	135	70	80	29	25	20	16
CFSM	.67	1.34	1.43	2.67	1.64	1.07	1.02	2.99	.40	.20	.14	.19
IN.	.77	1.50	1.65	3.08	1.71	1.24	1.14	3.44	.44	.23	.16	.21

CAL YR 1977 TOTAL 200875 MEAN 550 MAX 5730 MIN 13 CFSM 1.60 IN 21.72
WTR YR 1978 TOTAL 143990 MEAN 394 MAX 2600 MIN 16 CFSM 1.15 IN 15.57

PASCAGOULA RIVER BASIN

85

02474740 LEAF RIVER AT BEAUMONT, MS

LOCATION.--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, at downstream side of bridge on State Highway 15, 1.4 mi (2.3 km) north of intersection of State Highway 15 and U.S. Highway 98 in Beaumont, and at mile 24.8 (39.9 km).

DRAINAGE AREA.--3120 mi² (8081 km²).

PERIOD OF RECORD.--Water years 1965, 1972, 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT											
06...	1035	1750	65	7.0	22.0	50	9.0	6.8	400	.45	.02
NOV											
03...	0915	2300	52	7.3	19.0	55	8.0	7.3	980	.21	.01
DEC											
06...	1400	7450	46	6.7	15.5	140	40	7.2	2500	.08	.01
JAN											
10...	1530	6200	82	6.8	9.0	85	15	10.3	3900	.20	.02
FEB											
09...	1100	5700	62	6.6	4.0	50	20	11.0	900	.19	.01
MAR											
02...	1000	3400	65	7.2	12.5	40	15	10.2	240	.25	.01
APR											
05...	0900	1600	80	6.5	21.5	40	55	7.8	370	.32	.02
MAY											
04...	0900	15000	48	6.7	18.0	60	120	7.0	4800	.21	.02
JUN											
15...	0900	2000	70	6.5	26.0	65	10	7.0	390	.12	.01
JUL											
12...	1730	1400	66	6.5	31.0	45	5.0	6.6	--	.39	.02
AUG											
03...	1700	980	65	6.5	32.0	50	7.0	7.4	K62	.32	.01
SEP											
08...	0930	850	73	5.3	28.0	30	5.0	5.0	--	.29	.01

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)
OCT											
06...	.47	.07	.49	.56	1.0	4.6	.13	.10	11	26	123
NOV											
03...	.22	.08	.53	.61	.83	3.7	.11	.04	9.2	41	255
DEC											
06...	.09	.08	.53	.61	.70	3.1	.10	.03	11	90	1810
JAN											
10...	.22	.05	.51	.56	.78	3.5	.08	.04	8.7	46	770
FEB											
09...	.20	.05	.41	.46	.66	2.9	.06	.02	6.0	58	893
MAR											
02...	.26	.07	.38	.45	.71	3.1	.07	.03	4.5	37	340
APR											
05...	.34	.05	.39	.44	.78	3.5	.12	.06	5.8	28	121
MAY											
04...	.23	.08	.64	.72	.95	4.2	.15	.03	13	187	7570
JUN											
15...	.13	.04	.26	.30	.43	1.9	.09	.03	9.7	--	--
JUL											
12...	.41	.09	.60	.69	1.1	4.9	.07	.03	4.2	60	227
AUG											
03...	.33	.00	.77	.77	1.1	4.9	.09	.03	5.6	7	19
SEP											
08...	.30	.00	.22	.22	.52	2.3	.15	.10	6.0	27	62

PASCAGOULA RIVER BASIN

02474740 LEAF RIVER AT BEAUMONT, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L 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	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)
OCT 06...	14	0	3.6	1.2	8.5	52	1.0	18	0	15

DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
OCT 06...	2.9	5.8	10	<10	<10	<10	<10	.00	<10	10

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 06...	0	.0	0	1.0	.5	.3	.0	.0	.0	.0	.0

DATE	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 06...	.0	.0	.0	.0	.0	.0	0	.0	0	0	.0

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, on downstream side of right main pier of bridge on U.S. Highway 98, 1.2 mi (1.9 km) east of McLain, 2 mi (3 km) downstream from Atkinson Creek, 6 mi (10 km) upstream from Big Oktibee Creek, and 14.6 mi (23.5 km) upstream from confluence with Chickasawhay River.

DRAINAGE AREA.--3,510 mi² (9,090 km²), approximately.

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 (12.847 m) National Geodetic Vertical Datum of 1929. Prior to Sept. 8, 1940, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--39 years, 5,310 ft³/s (150.4 m³/s), 20.54 in/yr (522 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 128,000 ft³/s (3,620 m³/s) Feb. 26, 1961, gage height, 31.64 ft (9.644 m); minimum, 478 ft³/s (13.5 m³/s) Oct. 22, 1963; minimum gage height, 1.78 ft (0.543 m) Oct. 28, 29; Nov. 1, 2, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1900 reached a stage of about 32 ft (9.8 m), from information by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 21,600 ft³/s (612 m³/s) May 11, gage height, 18.05 ft (5.502 m); minimum, 823 ft³/s (23.3 m³/s) Sept. 26, gage height, 2.61 ft (0.796 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3720	3530	11500	9500	15000	5190	2490	2320	3000	1540	1740	1000
2	3230	2810	13500	8460	16200	4460	2370	2170	2910	1490	1510	1000
3	2730	3040	14300	7220	17500	5200	2290	7590	2780	1410	1420	988
4	2490	3120	14300	5800	17700	5700	2210	19700	5840	1370	1260	970
5	2330	3800	13700	4760	16500	4740	2130	20600	6970	1680	1150	964
6	2180	7640	11000	4150	14400	4280	2070	19100	5550	1700	1080	959
7	2000	9820	8090	3820	11700	4570	2030	16000	4720	1580	1080	959
8	1860	9990	5920	4750	9460	10000	1980	14100	7700	1820	1150	953
9	1930	10200	4640	8000	7470	9580	1940	16000	15800	1780	1170	953
10	2790	10500	4140	7460	5960	8030	1900	20500	9160	1790	1230	947
11	4490	7890	3890	6670	5300	7030	1920	21500	5200	2070	1290	941
12	6510	5720	3810	6110	4880	6150	2450	21500	3970	2210	1640	941
13	6440	4350	3650	5790	4850	5280	6930	20900	3640	1740	2090	930
14	4770	3590	3840	5170	5050	4700	9380	19200	3200	1530	2000	930
15	3410	3140	4730	4610	5580	4850	9560	16300	2850	2290	1920	1030
16	2670	2850	5660	4250	5790	5830	8530	13100	2630	2390	2100	1190
17	2270	2670	6610	4980	5510	6560	6810	10200	2500	2060	1850	1220
18	2020	2540	10400	7460	4790	6700	6390	8980	2260	1770	1530	1310
19	1860	2490	9380	10500	4240	5580	7330	11000	2070	1540	1340	1210
20	1750	2470	6570	12900	3910	4190	9290	10100	1920	1410	1280	1080
21	1680	2650	5360	12500	3670	3510	9110	7240	1820	1300	1330	1000
22	1610	9850	4680	10800	3510	3210	7680	5850	1750	1210	1340	970
23	1530	18300	4110	8830	3350	3070	6480	4960	1710	1460	1210	959
24	1470	18200	3720	7850	3240	2990	5070	4230	1680	1460	1200	936
25	2740	16300	3430	13200	3130	3120	3580	3650	1650	1500	1180	919
26	9120	14500	3380	18500	3200	3340	2960	3210	1610	1630	1100	918
27	8580	12400	3500	20100	3650	3520	2890	2890	1560	2910	1150	1090
28	8190	9680	3410	20800	4470	3320	3080	2650	1690	3360	1050	1700
29	8400	8800	3350	20500	---	3040	2920	2490	1710	2110	1000	1190
30	7810	8030	5830	19700	---	2810	2610	2410	1620	1980	1020	1020
31	5050	---	9320	17700	---	2620	---	2630	---	2240	1020	---
TOTAL	117630	220870	209720	302840	210010	153170	136380	333070	111470	56330	42430	31177
MEAN	3795	7362	6765	9769	7500	4941	4546	10740	3716	1817	1369	1039
MAX	9120	18300	14300	20800	17700	10000	9560	21500	15800	3360	2100	1700
MIN	1470	2470	3350	3820	3130	2620	1900	2170	1560	1210	1000	918
CFSM	1.08	2.10	1.93	2.78	2.14	1.41	1.30	3.06	1.06	.52	.39	.30
IN.	1.25	2.34	2.22	3.21	2.23	1.62	1.45	3.53	1.18	.60	.45	.33
CAL YR 1977 TOTAL	2314296			6341	MAX 31800	MIN 976	CFSM 1.81	IN 24.53				
WTR YR 1978 TOTAL	1925097			MEAN 5274	MAX 21500	MIN 918	CFSM 1.50	IN 20.40				

PASCAGOULA RIVER BASIN

02475500 CHUNKY RIVER NEAR CHUNKY, MS

LOCATION.--Lat 32°19'35", long 88°54'35", in SE¼SW¼ 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 (762 m) upstream from Illinois Central Railroad bridge, 1.2 mi (1.9 km) east of Chunky, 3.2 mi (5.1 km) upstream from Tallahatta Creek, and 5.5 mi (8.8 km) downstream from Concobona Creek.

DRAINAGE AREA.--368 mi² (953 km²).

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

REVISED RECORDS.--WSP 1724: 1950(M).

GAGE.--Water-stage recorder. Datum of gage is 269.00 ft (81.991 m) National Geodetic Vertical Datum of 1929. Prior to Mar. 24, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--40 years, 478 ft³/s (13.54 m³/s), 17.64 in/yr (448 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 30,800 ft³/s (872 m³/s) Feb. 22, 1961, gage height, 25.58 ft (7.797 m) in gage well, 25.75 ft (7.849 m) from outside gage; minimum, 1.6 ft³/s (0.045 m³/s) Sept. 28-30, 1954; minimum gage height, 2.08 ft (0.634 m) Oct. 21, 22, 1963.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,760 ft³/s (163 m³/s) Oct. 27, gage height, 13.83 ft (4.215 m), only peak above base of 5,000 ft³/s (142 m³/s); minimum, 11 ft³/s (0.31 m³/s) Sept. 25-27; gage height, 2.23 ft (0.680 m) Sept. 25, 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	206	239	2910	505	801	730	274	612	227	70	30	23
2	152	225	3370	400	1550	616	252	1210	346	57	27	21
3	174	464	2240	342	1890	589	250	1080	251	55	25	19
4	223	779	783	304	1750	647	245	1490	196	48	24	19
5	154	1830	577	289	829	491	245	1400	162	46	22	19
6	120	2520	477	376	635	391	239	713	143	43	21	17
7	105	2970	394	680	540	382	236	635	151	52	21	17
8	104	1880	345	592	484	850	227	1680	349	99	21	18
9	397	616	348	1120	454	800	221	2500	401	66	24	17
10	905	474	406	895	428	577	214	3100	240	49	28	18
11	385	376	382	522	403	515	680	3120	170	51	85	20
12	221	315	331	438	379	498	1510	1060	149	62	59	21
13	172	279	315	512	512	600	1850	974	139	57	48	22
14	147	264	692	608	770	1120	1650	842	136	57	48	24
15	132	243	1120	471	566	1660	676	462	119	52	63	26
16	124	241	655	388	438	1910	435	336	102	79	52	24
17	118	250	592	1030	397	1310	362	248	93	56	41	21
18	114	376	1020	1620	368	600	838	270	86	46	35	20
19	109	342	788	1190	350	494	900	356	85	39	30	20
20	106	274	494	1020	331	435	574	454	92	34	27	18
21	105	471	416	876	320	400	353	305	97	30	26	17
22	102	1980	353	631	304	428	286	240	90	29	25	16
23	101	2560	323	540	299	422	259	206	114	28	23	15
24	99	2180	315	688	294	368	250	317	90	29	23	13
25	1400	1030	339	1930	286	419	257	227	76	52	28	12
26	3060	533	403	2410	320	498	302	179	69	45	28	11
27	5350	413	334	2590	371	403	245	158	70	55	23	11
28	2710	438	289	2290	400	342	208	162	62	61	20	11
29	540	739	286	880	---	286	190	164	57	54	19	12
30	348	1550	533	672	---	294	182	173	54	39	19	13
31	274	---	757	619	---	281	---	181	---	34	20	---
TOTAL	18257	26851	22587	27428	16469	19356	14410	24854	4416	1574	985	535
MEAN	589	895	729	885	588	624	480	802	147	50.8	31.8	17.8
MAX	5350	2970	3370	2590	1890	1910	1850	3120	401	99	85	26
MIN	99	225	286	289	286	281	182	158	54	28	19	11
CFSM	1.60	2.43	1.98	2.41	1.60	1.70	1.30	2.18	.40	.14	.09	.05
IN.	1.85	2.71	2.28	2.77	1.66	1.96	1.46	2.51	.45	.16	.10	.05

CAL YR 1977 TOTAL 265789 MEAN 728 MAX 8120 MIN 20 CFSM 1.98 IN 26.87
WTR YR 1978 TOTAL 177722 MEAN 487 MAX 5350 MIN 11 CFSM 1.32 IN 17.97

02476500 SOWASHEE CREEK AT MERIDIAN, MS

LOCATION.--Lat 32°22'10", long 88°40'40", 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 (1.0 km) downstream from Southern Railway System bridge, and 8 mi (13 km) upstream from mouth.

DRAINAGE AREA.--51.9 mi² (134.4 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 305.95 ft (93.254 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 13, 1959, water-stage recorder and nonrecording gage at site 0.4 mi (0.6 km) upstream at datum 3.00 ft (0.914 m) higher.

REMARKS.--Records good prior to June 1 and fair thereafter. No gage-height record June 6 to July 11.

AVERAGE DISCHARGE.--28 years, 63.2 ft³/s (1.790 m³/s), 16.54 in/yr (420 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 9,530 ft³/s (270 m³/s) Apr. 6, 1964, gage height, 20.95 ft (6.386 m), present site and datum; maximum gage height, 21.52 ft (6.559 m) Apr. 13, 1974; minimum discharge, 0.20 ft³/s (0.006 m³/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 (8.99 m) in February 1936, at site 0.6 mi (1.0 km) upstream at present datum, from information by Southern Railway Company. Flood of Mar. 31, 1949, reached a stage of 26.6 ft (8.11 m), at site 0.6 mi (1.0 km) upstream at present datum, from information by Southern Railway Company. Flood of Apr. 8, 1938, reached a stage of 26 ft (7.9 m) at site 0.4 mi (0.6 km) upstream at present datum, from information by National Weather Service. The flood of Feb. 21, 1961, reached a stage 6.7 ft (2.04 m) lower than that of the flood in February 1936, at site 0.6 mi (1.0 km) upstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,420 ft³/s (40.2 m³/s) Oct. 25, gage height, 11.58 ft (3.530 m), only peak above base of 1,300 ft³/s (36.8 m³/s); minimum daily discharge, 1.4 ft³/s (0.040 m³/s) Sept. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	24	174	39	289	111	29	17	94	5.6	66	2.5
2	13	25	93	33	341	78	28	19	154	6.0	15	2.2
3	15	76	66	29	154	90	27	113	113	80	8.7	3.0
4	11	135	55	27	125	80	28	80	36	30	8.0	2.5
5	9.0	367	48	26	104	60	27	40	24	15	7.7	2.3
6	8.0	118	45	142	88	50	25	29	25	10	7.4	2.2
7	8.3	74	37	74	74	102	24	417	28	8.0	8.0	2.1
8	21	54	31	120	68	122	23	620	30	7.0	11	2.0
9	101	48	35	118	61	90	22	515	25	6.0	18	1.9
10	27	48	37	66	57	76	22	120	15	30	60	1.8
11	17	41	32	52	52	63	471	74	12	13	12	1.8
12	13	36	29	50	50	63	191	84	40	6.8	7.4	2.0
13	10	33	34	55	71	58	190	151	20	6.1	10	10
14	9.0	30	63	45	71	867	96	55	12	16	8.3	5.0
15	9.4	27	38	38	52	181	63	39	10	19	6.3	3.5
16	9.7	26	32	40	46	115	48	31	9.0	7.4	5.3	3.0
17	9.7	25	80	203	43	86	40	31	8.0	5.1	15	2.5
18	9.4	24	73	96	41	71	102	32	7.4	4.1	8.0	2.2
19	9.4	22	45	133	39	64	54	28	7.0	3.6	6.0	2.0
20	8.3	21	39	159	37	57	35	24	10	3.3	5.0	1.9
21	8.0	204	33	102	35	57	29	21	9.0	3.0	4.0	1.8
22	8.3	248	29	91	33	61	26	19	8.0	4.1	3.4	1.7
23	8.0	106	27	78	32	50	23	19	7.0	3.6	3.1	1.6
24	13	64	28	311	31	47	23	15	6.4	3.1	6.1	1.5
25	996	48	34	922	30	45	24	14	13	3.1	5.6	1.4
26	373	38	29	664	35	40	19	13	10	3.3	3.0	2.0
27	63	32	25	166	37	36	17	13	8.0	99	2.4	2.4
28	41	66	24	127	88	34	15	14	7.0	29	2.3	4.0
29	37	51	25	102	---	32	14	14	6.4	8.0	2.2	3.5
30	29	510	60	90	---	31	14	12	6.0	5.1	4.0	3.0
31	26	---	50	86	---	30	---	17	---	4.1	3.0	---
TOTAL	1931.5	2621	1450	4284	2184	2947	1749	2690	760.2	447.4	332.2	79.3
MEAN	62.3	87.4	46.8	138	78.0	95.1	58.3	86.8	25.3	14.4	10.7	2.64
MAX	996	510	174	922	341	867	471	620	154	99	66	10
MIN	8.0	21	24	26	30	30	14	12	6.0	3.0	2.2	1.4
CFSM	1.20	1.68	.90	2.66	1.50	1.83	1.12	1.67	.49	.28	.21	.05
IN.	1.38	1.88	1.04	3.07	1.57	2.11	1.25	1.93	.54	.32	.24	.06
CAL YR 1977	TOTAL	29495.6	MEAN	80.8	MAX	1520	MIN	2.3	CFSM	1.56	IN	21.14
WTR YR 1978	TOTAL	21475.6	MEAN	58.8	MAX	996	MIN	1.4	CFSM	1.13	IN	15.39

LOCATION.--Lat 32°17'55", long 88°45'15", in SE¼SW¼ sec.3, T.5 N., R.15 E., Choctaw Meridian, Lauderdale County, Hydrologic Unit 03170001, on right bank, 100 ft (30 m) downstream from Hognose Creek, 400 ft (120 m) upstream from bridge on county road, 0.6 mi (1.0 km) southeast of Arundel, and at mi 16.3 (26.2 km).

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 (78.955 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark). Prior to Apr. 17, 1975, supplementary water-stage recorder at bridge 400 ft (120 m) downstream at same datum.

COOPERATION.--Six discharge measurements were furnished by Corps of Engineers.

AVERAGE DISCHARGE.--10 years, 525 ft³/s (14.87 m³/s), 20.85 in/yr (530 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,400 ft³/s (351 m³/s) Dec. 26, 1973, gage height, 19.64 ft (5.986 m); gage height at supplementary gage, 19.28 ft (5.876 m); minimum daily, 20 ft³/s (0.57 m³/s) Oct. 5, 26, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1961 reached a stage of 22.2 ft (6.77 m) at county road bridge 400 ft (120 m) downstream (from information by Corps of Engineers).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,360 ft³/s (95.2 m³/s) Jan. 26, gage height, 15.46 ft (4.712 m); minimum, 73 ft³/s (2.07 m³/s) Oct. 24, gage height 2.82 ft (0.860 m).

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.56	5.52	10.68	5.86	10.37	6.13	4.20	3.22	5.86	2.92	3.69	3.27
2	3.35	5.44	9.00	5.64	12.62	5.29	4.15	3.62	6.54	3.25	3.46	3.25
3	3.38	6.26	9.34	5.51	11.11	5.82	4.10	4.73	5.57	3.47	3.30	3.23
4	3.26	6.43	9.37	5.45	9.90	5.53	4.04	5.63	4.52	6.89	3.24	3.22
5	3.08	10.31	9.27	5.21	9.70	5.10	3.92	6.20	4.21	4.62	3.23	3.22
6	3.06	8.62	9.13	5.81	9.56	4.91	3.70	6.74	3.87	3.71	3.21	3.21
7	2.99	6.27	8.96	6.88	9.39	5.21	3.62	8.64	3.62	3.68	3.20	3.21
8	3.01	6.65	8.79	6.48	9.23	6.47	3.58	12.30	3.78	3.62	3.25	3.21
9	4.97	8.07	8.79	7.93	8.83	6.29	3.54	13.20	4.05	3.47	3.77	3.21
10	4.88	8.19	8.78	7.29	8.10	6.38	3.50	9.00	3.72	3.45	4.60	3.20
11	3.79	7.86	8.68	7.28	7.20	6.44	6.90	8.10	3.49	3.91	3.82	3.20
12	3.41	8.29	8.60	7.17	6.41	6.59	9.05	9.05	4.14	3.57	3.43	3.20
13	3.20	8.35	8.28	6.68	6.65	6.52	7.70	8.67	3.85	3.41	3.52	3.30
14	3.09	8.33	7.74	6.61	6.68	9.63	6.00	7.10	3.41	3.46	3.54	3.31
15	3.05	8.31	7.09	6.41	6.28	10.21	5.10	7.46	3.26	4.29	3.40	4.50
16	3.00	7.88	6.65	6.27	6.10	7.56	4.58	7.84	3.19	3.70	3.38	3.45
17	2.97	7.16	6.75	8.17	6.00	7.05	4.28	8.36	3.13	3.39	3.32	3.21
18	2.95	7.05	8.05	8.08	5.92	6.73	4.73	7.00	3.13	3.34	3.30	3.16
19	2.92	6.96	7.21	7.80	5.85	6.55	4.54	4.97	3.05	3.33	3.29	3.15
20	2.90	6.88	6.73	8.22	5.48	6.43	3.96	6.38	3.06	3.37	3.28	3.14
21	2.91	7.77	6.86	7.78	5.04	6.31	4.20	6.96	3.25	3.30	3.30	3.13
22	2.90	10.74	7.09	8.15	4.93	6.02	4.08	6.92	3.14	3.30	3.25	3.12
23	2.86	8.34	7.05	8.03	4.87	5.58	3.72	6.90	3.05	3.34	3.27	3.14
24	2.86	7.61	6.54	8.81	4.83	5.40	3.67	7.48	3.01	3.29	3.27	3.13
25	10.85	8.58	5.86	13.31	4.70	5.31	3.73	7.97	2.98	3.29	3.33	3.12
26	14.33	8.70	5.71	15.10	4.71	5.24	3.63	8.03	3.02	3.30	3.31	3.13
27	10.26	8.62	5.56	11.37	4.74	5.16	3.47	8.05	2.95	3.61	3.28	3.14
28	5.92	8.78	5.48	8.91	5.29	5.09	3.32	7.90	2.93	4.97	3.27	3.16
29	5.69	8.76	5.50	9.13	---	4.76	3.24	7.85	2.91	3.94	3.28	3.16
30	5.83	10.11	6.15	9.56	---	4.38	3.20	7.77	2.89	3.37	3.28	3.16
31	5.66	---	6.22	9.68	---	4.28	---	6.37	---	3.32	3.28	---
MEAN	4.42	7.89	7.61	7.89	7.16	6.08	4.38	7.43	3.65	3.67	3.40	3.24
MAX	14.33	10.74	10.68	15.10	12.62	10.21	9.05	13.20	6.54	6.89	4.60	4.50
MIN	2.86	5.44	5.48	5.21	4.7							

02476600 OKATIBBEE CREEK AT ARUNDEL, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	140	431	1650	455	1560	701	212	125	467	81	173	111
2	119	418	1160	418	2270	531	206	157	602	110	147	110
3	122	552	1260	397	1810	634	200	280	409	131	131	108
4	110	579	1260	387	1470	577	193	416	253	654	125	107
5	94	1540	1240	350	1440	497	179	515	213	284	124	107
6	92	1070	1200	457	1430	464	155	618	174	186	122	106
7	86	529	1150	648	1410	520	146	1110	146	183	121	106
8	88	606	1110	569	1390	773	142	2160	164	176	126	106
9	314	921	1110	883	1310	734	138	2470	194	159	173	106
10	301	952	1100	736	1130	754	134	1160	157	157	263	105
11	165	866	1080	732	929	767	707	926	133	210	168	105
12	125	975	1060	710	760	804	1190	1170	205	170	127	105
13	105	991	975	606	816	785	859	1070	172	153	136	114
14	95	986	840	592	823	1380	513	692	125	158	138	115
15	92	981	690	554	732	1520	362	771	110	258	124	250
16	87	874	600	528	692	797	286	862	104	185	122	129
17	85	705	624	957	670	681	246	994	99	151	116	106
18	83	681	913	923	654	616	307	670	99	145	114	101
19	81	662	718	854	640	581	280	314	92	144	113	101
20	79	646	616	962	567	558	206	548	92	148	112	100
21	80	866	642	847	486	535	236	662	110	141	114	99
22	79	1660	690	939	467	483	220	654	100	141	110	98
23	76	996	681	908	457	409	178	650	92	145	111	100
24	76	809	581	1120	450	379	173	776	88	140	111	99
25	1700	1050	455	2520	428	365	179	893	85	140	117	98
26	2890	1080	430	3180	430	354	168	908	89	141	115	99
27	1590	1060	405	1880	435	342	151	913	83	175	112	100
28	506	1100	392	1140	531	332	135	876	81	339	111	101
29	462	1100	397	1200	---	284	127	864	80	201	112	101
30	484	1490	506	1320	---	234	123	845	78	138	112	101
31	455	---	519	1350	---	222	---	546	---	133	112	---
TOTAL	10861	27176	26054	29122	26187	18613	8351	25615	4896	5677	4012	3294
MEAN	350	906	840	939	935	600	278	826	163	183	129	110
MAX	2890	1660	1650	3180	2270	1520	1190	2470	602	654	263	250
MIN	76	418	392	350	428	222	123	125	78	81	110	98
CFSM	1.02	2.65	2.46	2.75	2.73	1.75	.81	2.42	.48	.54	.38	.32
IN.	1.18	2.96	2.83	3.17	2.85	2.02	.91	2.79	.53	.62	.44	.36
CAL YR 1977	TOTAL	249041	MEAN 682	MAX 3900	MIN 71	CFSM 1.99	IN 27.09					
WTR YR 1978	TOTAL	189858	MEAN 520	MAX 3180	MIN 76	CFSM 1.52	IN 20.65					

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS

LOCATION.--Lat 32°10'30", long 88°49'15", in SE¼NW¼ 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 (0.8 km) downstream from confluence of Chunky River and Okatibbee Creek, and at mile 158.2 (254.5 km).

DRAINAGE AREA.--913 mi² (2,365 km²).

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.

GAGE.--Water-stage recorder. Datum of gage is 207.62 ft (63.283 m) 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 (1.524 m) higher.

REMARKS.--Records good, except those for period of doubtful gage-height record, May 15 to July 12, which are fair. Some regulation since Nov. 26, 1968, by Okatibbee Lake, 38 mi (61 km) upstream.

AVERAGE DISCHARGE.--40 years, 1,212 ft³/s (34.32 m³/s), 18.03 in/yr (458 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61,700 ft³/s (1,750 m³/s) Feb. 23, 1961, gage height, 42.94 ft (13.088 m), present datum; minimum, 18 ft³/s (0.51 m³/s) Sept. 25-30, 1954, Oct. 22-25, 1963; minimum gage height, 3.95 ft (1.204 m) present datum, Oct. 13-20, 23, 24, 1952, Aug. 30, 1957.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1900 reached a stage of 42.2 ft (12.86 m) present datum, from floodmark (from reports of National Weather Service).

EXTREMES FOR CURRENT YEAR.--Maximum discharge 8,340 ft³/s (236 m³/s) Oct. 27, gage height, 23.60 ft (7.193 m), no peak above base of 10,000 ft³/s (283 m³/s); minimum, 131 ft³/s (3.71 m³/s) Sept. 11, 25, 26, 27, gage height 4.77 ft (1.454 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	8.20	18.34	9.19	13.30	9.91	7.06	6.68	---	---	5.35	4.89
2	---	8.00	17.75	8.52	18.14	9.47	6.95	10.20	---	---	5.43	4.89
3	---	8.69	16.74	8.12	18.12	9.39	6.86	10.62	---	---	5.16	4.86
4	---	10.17	13.23	7.88	16.21	9.65	6.80	12.12	---	---	5.06	4.84
5	6.21	14.80	11.47	7.72	13.43	8.70	6.72	11.90	---	---	5.00	4.82
6	5.89	17.52	10.91	7.93	12.02	8.14	6.57	10.49	---	---	4.97	4.82
7	5.72	16.74	10.40	10.10	11.47	8.37	6.50	11.48	---	---	4.99	4.81
8	5.67	---	10.05	9.90	11.10	10.64	6.43	18.19	---	---	5.38	4.80
9	5.83	---	10.00	11.99	10.75	10.76	6.37	22.20	---	---	5.29	4.79
10	10.16	---	10.21	11.64	10.14	9.99	6.31	21.54	---	---	5.81	4.78
11	8.31	---	10.15	10.05	9.56	9.64	11.18	19.54	---	---	6.10	4.78
12	6.87	---	9.81	9.68	8.87	9.54	16.72	15.86	5.53	5.75	4.84	---
13	6.38	---	9.59	9.40	9.42	9.69	15.94	13.42	5.53	5.76	4.96	---
14	6.17	---	10.04	9.74	10.65	14.13	13.94	11.47	5.53	5.86	5.10	---
15	5.99	---	11.30	9.17	9.71	18.26	10.36	10.32	6.30	5.58	6.08	---
16	5.87	9.33	10.14	8.86	8.95	16.74	8.43	---	---	6.02	5.49	5.43
17	5.78	8.73	9.61	---	8.69	13.97	7.77	---	---	5.60	5.32	5.08
18	5.70	9.00	11.72	---	8.54	10.40	7.84	---	---	5.37	5.22	4.94
19	5.64	9.07	11.14	---	8.39	9.62	10.15	---	---	5.28	5.14	4.89
20	5.59	8.68	9.66	---	8.16	9.23	8.95	---	---	5.23	5.08	4.85
21	5.57	9.66	9.17	---	7.82	9.00	7.64	---	---	5.14	5.07	4.84
22	5.55	16.94	9.06	---	7.70	8.88	7.37	---	---	5.14	5.04	4.82
23	5.51	17.20	8.87	---	7.63	8.64	6.91	---	---	5.24	4.99	4.81
24	5.49	15.66	8.63	11.25	7.58	8.29	6.76	---	---	5.19	4.95	4.81
25	10.38	13.68	8.49	19.24	7.49	8.23	6.87	---	---	5.23	5.10	4.78
26	21.16	11.10	8.43	22.90	7.70	8.68	6.91	---	---	5.22	5.03	4.79
27	22.81	10.47	8.15	22.49	7.85	8.30	6.70	---	---	5.35	4.96	4.80
28	22.02	10.40	7.84	19.58	8.17	7.94	6.34	---	---	6.64	4.90	4.85
29	15.22	11.24	7.89	15.35	---	7.66	6.17	---	---	6.31	4.90	4.85
30	---	14.50	9.05	12.58	---	7.31	6.06	---	---	5.47	4.92	4.83
31	---	---	10.04	11.90	---	7.17	---	---	---	5.35	4.90	---
MEAN	---	---	10.58	---	10.27	9.88	8.19	---	---	---	5.24	4.91
MAX	---	---	18.34	---	18.14	18.26	16.72	---	---	---	6.10	6.08
MIN	---	---	7.84	---	7.49	7.17	6.06	---	---	---	4.90	4.78

02477000 CHICKASAWHAY RIVER AT ENTERPRISE, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	800	877	4850	1220	2790	1510	553	480	900	200	209	146
2	1200	814	4590	981	4760	1330	526	1620	700	300	222	146
3	700	1040	4160	851	4750	1300	504	1790	600	500	182	142
4	450	1610	2760	778	3930	1400	490	2360	500	350	168	139
5	361	3360	2130	731	2830	1040	473	2280	400	310	160	137
6	300	4490	1900	796	2320	858	437	1740	350	290	156	137
7	269	4160	1700	1580	2130	931	422	2160	400	270	158	136
8	261	4000	1560	1500	1980	1800	407	4800	600	260	215	134
9	769	5000	1540	2320	1840	1840	394	7160	700	250	200	133
10	1630	4500	1620	2190	1590	1540	381	6650	500	300	291	132
11	915	4000	1600	1560	1360	1390	2130	5390	600	250	339	132
12	506	2500	1460	1410	1100	1360	4150	3800	500	238	275	139
13	396	2000	1370	1300	1310	1410	3820	2830	450	238	283	154
14	353	1700	1560	1430	1800	3120	3030	2130	400	238	294	173
15	318	1400	2060	1210	1420	4810	1700	1670	360	379	246	337
16	296	1270	1600	1100	1140	4160	951	1700	320	324	231	222
17	280	1050	1380	1100	1040	3040	745	2500	290	249	205	170
18	266	1150	2220	1300	988	1700	766	1400	270	212	190	152
19	256	1180	2000	2000	938	1390	1600	1000	260	199	179	146
20	247	1040	1400	3000	864	1240	1140	1200	250	192	170	141
21	244	1430	1210	3500	760	1150	708	1400	240	179	169	141
22	240	4260	1170	2500	725	1110	633	1100	230	179	166	137
23	234	4360	1100	1800	705	1020	516	900	220	193	158	136
24	231	3710	1020	2040	691	905	480	1300	210	186	153	136
25	1920	2930	971	5360	666	886	511	1000	200	192	173	132
26	6340	1980	951	7740	725	1040	516	800	200	190	164	133
27	7680	1730	861	7410	769	909	466	700	190	209	154	134
28	7130	1700	766	5430	867	796	388	1200	190	464	147	141
29	3530	2030	784	3590	---	714	353	1500	180	383	147	141
30	1500	3250	1170	2520	---	617	331	1400	180	230	149	138
31	1000	---	1560	2280	---	581	---	1200	---	209	147	---
TOTAL	40622	74521	55023	72527	46788	46897	29521	67160	11390	8163	6100	4517
MEAN	1310	2484	1775	2340	1671	1513	984	2166	380	263	197	151
MAX	7680	5000	4850	7740	4760	4810	4150	7160	900	500	339	337
MIN	231	814	766	731	666	581	331	480	180	179	147	132
CFSM	1.44	2.72	1.94	2.56	1.83	1.66	1.08	2.37	.42	.29	.22	.17
IN.	1.66	3.04	2.24	2.96	1.91	1.91	1.20	2.74	.46	.33	.25	.18
CAL YR 1977	TOTAL	673573	MEAN	1845	MAX	13800	MIN 107	CFSM 2.02	IN 27.44			
WTR YR 1978	TOTAL	463229	MEAN	1269	MAX	7740	MIN 132	CFSM 1.39	IN 18.87			

PASCAGOULA RIVER BASIN

02477350 CHICKASAWHAY RIVER AT SHUBUTA, MS

LOCATION.--Lat 31°50'55", long 88°41'24", in SE¼ sec.9, T.10 N., R.7 W., St. Stephens Meridian, Clarke County, Hydrologic Unit 03170002, at bridge on U.S. Highway 45, 1 mi (1.6 km) southeast of Shubuta and at mile 113.4 (182.5 km).

DRAINAGE AREA.--1,460 mi² (3,780 km²), from National Weather Service.

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 147.30 ft (44.897 m) National Geodetic Vertical Datum of 1929. Prior to Mar. 13, 1940, at site 3,500 ft (1,070 m) upstream at datum 3.87 ft (1.180 m) higher.

REMARKS.--Records furnished by National Weather Service.

EXTREMES FOR PERIOD OF RECORD.--1905 to 1961: Maximum discharge, 86,000 ft³/s (2,440 m³/s) Dec. 11, 1919 (gage height, 44.3 ft or 13.503 m, former site and datum, 47.2 ft or 14.387 m at present site and datum). 1904 to current year: Maximum gage height, 47.2 ft (14.387 m) Dec. 11, 1919; minimum since January 1972, 3.10 ft (0.945 m) Sept. 17, 18, 1972.

EXTREMES FOR CURRENT YEAR.--Maximum observed, 21.65 ft (6.599 m) Jan. 27; minimum observed, 2.92 ft (0.890 m) Sept. 11.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.05	7.89	13.21	10.43	12.36	6.92	5.83	4.94	7.31	3.50	4.19	3.12
2	5.33	6.57	17.18	10.21	17.26	8.64	5.71	4.79	6.49	3.41	3.53	3.09
3	4.67	7.14	17.48	9.33	18.44	8.98	5.59	8.28	8.73	3.39	3.51	3.07
4	4.69	7.25	17.00	7.94	18.43	8.33	5.53	17.75	7.56	4.06	3.48	3.05
5	4.74	8.98	15.89	6.85	18.00	8.49	5.41	14.98	6.53	4.63	3.43	3.04
6	4.61	13.52	12.21	6.37	16.17	7.73	5.28	12.06	5.59	5.64	3.23	3.03
7	4.43	15.84	10.55	6.17	12.32	6.32	5.11	10.35	5.13	4.56	3.17	3.01
8	4.11	16.31	9.44	9.08	10.86	10.55	5.02	15.86	5.67	4.10	3.31	2.98
9	4.36	15.43	8.19	9.79	10.54	11.47	4.98	20.43	6.10	4.02	3.56	2.97
10	7.39	12.21	8.41	10.61	10.05	10.96	4.94	22.04	6.09	3.87	3.50	2.94
11	8.24	9.80	8.89	11.38	9.42	9.46	4.92	21.19	5.89	4.21	3.46	2.92
12	9.04	9.12	8.74	9.21	8.82	8.94	9.72	21.65	5.53	4.11	3.81	2.95
13	5.88	8.44	8.44	8.72	8.29	8.64	15.32	20.62	5.76	3.91	4.30	3.07
14	4.97	6.87	8.69	8.69	9.32	8.48	16.26	17.63	5.41	3.86	4.53	3.11
15	4.51	6.71	9.05	8.51	10.11	13.81	15.78	12.32	5.37	4.13	4.58	3.28
16	4.23	7.89	10.42	8.27	9.47	15.68	12.50	9.92	4.68	4.51	4.73	3.34
17	4.16	7.59	10.67	9.85	8.32	16.00	8.92	9.27	4.31	4.39	4.13	3.97
18	3.97	7.46	9.37	11.92	7.88	14.56	7.36	9.57	4.27	4.11	3.86	3.82
19	3.88	7.56	10.93	14.17	7.56	12.21	11.71	8.96	4.25	3.82	3.61	3.47
20	3.80	7.79	10.59	15.39	7.18	8.59	12.44	8.13	4.01	3.60	3.53	3.19
21	3.76	7.40	8.34	14.11	6.97	7.09	9.27	7.69	3.81	3.57	3.66	3.07
22	3.64	11.28	7.95	12.26	6.71	7.86	7.23	7.86	3.79	3.52	3.60	3.04
23	3.55	17.30	7.95	10.79	6.48	7.64	6.36	7.46	3.67	3.50	3.57	3.01
24	3.51	17.61	7.59	10.14	6.21	7.53	5.97	7.27	3.71	3.47	3.33	2.96
25	5.82	16.09	7.53	17.37	6.20	7.21	5.67	6.93	3.85	3.46	3.22	2.95
26	15.56	14.33	7.47	21.48	6.34	7.03	5.78	6.67	3.61	3.44	3.21	2.95
27	17.70	10.67	7.33	21.65	6.41	7.34	5.61	7.29	3.59	3.47	3.22	3.17
28	18.24	9.47	7.27	21.32	6.37	6.89	5.58	7.19	3.56	3.72	3.22	2.95
29	18.57	8.72	7.09	21.54	---	6.59	5.11	8.41	3.53	4.31	3.23	2.94
30	17.77	10.76	8.38	20.74	---	6.40	4.97	8.09	3.51	5.39	3.26	2.96
31	10.16	---	10.07	18.63	---	6.29	---	7.69	---	4.84	3.33	---
MEAN	7.14	10.47	10.07	12.35	10.09	9.12	7.66	11.40	5.04	4.02	3.62	3.11
MAX	18.57	17.61	17.48	21.65	18.44	16.00	16.26	22.04	8.73	5.64	4.73	3.97
MIN	3.51	6.57	7.09	6.17	6.20	6.29	4.92	4.79	3.51	3.39	3.17	2.92
CAL YR 1977	MEAN 9.55		MAX 29.32	MIN 3.34								
WTR YR 1978	MEAN 7.84		MAX 22.04	MIN 2.92								

02477492 CHICKASAWHAY RIVER AT WOODWARDS, MS

LOCATION.--Lat 31°41'43", long 88°40'12", in NW¼ sec.2, T.8 N., R.7 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, at downstream side of bridge on county road, 0.4 mi (0.6 km) west of Woodwards, and 2.1 mi (3.4 km) northwest of intersection of U.S. Highways 45 and 84 in Waynesboro, and at mile 94.6 (152.2 km).

DRAINAGE AREA.--1660 mi² (4299 km²).

PERIOD OF RECORD.--Water years 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT											
06...	1500	600	110	7.3	22.0	35	10	7.0	K88	.35	.01
NOV											
03...	1500	1610	192	7.5	19.5	60	40	7.4	K3600	.16	.01
DEC											
06...	1000	3240	64	6.9	15.0	120	30	8.0	200	.10	.01
JAN											
10...	1200	2950	116	5.8	8.5	95	20	9.9	2500	.14	.01
FEB											
10...	1000	2630	80	7.0	4.5	50	25	11.2	K130	.13	.01
MAR											
01...	1400	1410	120	7.1	12.0	50	15	5.1	390	.18	.01
APR											
04...	1230	891	90	6.8	19.5	40	7.0	--	K260	.19	.01
MAY											
04...	1400	11400	92	7.5	19.0	100	55	7.2	1100	.13	.02
JUN											
14...	1400	1100	115	6.3	26.0	90	25	7.5	K180	.29	.01
JUL											
12...	1300	388	160	7.4	29.0	60	5.0	7.0	--	.40	.01
AUG											
03...	1300	271	140	7.1	29.5	60	13	7.3	200	.22	.01
SEP											
08...	1400	338	125	6.2	26.0	40	5.0	6.1	--	.30	.01

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)
OCT											
06...	.36	.01	.43	.44	.80	3.5	.05	.05	9.7	18	29
NOV											
03...	.17	.05	.80	.85	1.0	4.5	.09	.02	9.9	138	600
DEC											
06...	.11	.07	.35	.42	.53	2.3	.09	.03	9.8	80	700
JAN											
10...	.15	.04	.50	.54	.69	3.1	.07	.03	8.1	123	980
FEB											
10...	.14	.03	.32	.35	.49	2.2	.06	.01	7.0	30	213
MAR											
01...	.19	.14	.36	.50	.69	3.1	.05	.01	7.0	45	171
APR											
04...	.20	.01	.45	.46	.66	2.9	.06	.02	9.1	39	94
MAY											
04...	.15	.03	.64	.67	.82	3.6	.09	.02	10	127	3910
JUN											
14...	.30	.02	.40	.42	.72	3.2	.07	.03	11	--	--
JUL											
12...	.41	.04	.61	.65	1.1	4.7	.09	.05	4.2	54	57
AUG											
03...	.23	.00	.70	.70	.93	4.1	.08	.01	7.4	20	15
SEP											
08...	.31	.00	.31	.31	.62	2.7	.08	.06	6.0	13	12

PASCAGOULA RIVER BASIN

02477492 CHICKASAWHAY RIVER AT WOODWARDS, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	HARD- NESS (MG/L AS CACO ₃)	HARD- NESS, NONCAR- BONATE (MG/L CACO ₃)	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	BICAR- BONATE (MG/L AS HCO ₃)	CAR- BONATE (MG/L AS CO ₃)	ALKA- LITY (MG/L AS CACO ₃)
OCT 06...	35	14	11	1.9	22	56	1.6	26	0	21

DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
OCT 06...	2.1	6.3	38	<10	<10	<10	<10	.00	<10	50

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 06...	0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0

DATE	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 06...	.0	.0	.0	.0	.0	.0	0	.0	0	0	.0

02477500 CHICKASAWHAY RIVER NEAR WAYNESBORO, MS

LOCATION.--Lat 31°40'46", long 88°41'00", in NW¼ sec.10, T.8 N., R.7 W., St. Stephens Meridian, Wayne County, Hydrologic Unit 03170002, on right bank 18 ft (5.5 m) downstream from bridge on U.S. Highway 84, 2 mi (3 km) west of Waynesboro, and at mile 93.2 (150 km).

DRAINAGE AREA.--1,660 mi² (4,300 km²), approximately.

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 telemark gage. Datum of gage is 119.91 ft (36.549 m) Mississippi State Highway Department datum. 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 (1938-50), 2,575 ft³/s (72.9 m³/s), 21.06 in/yr (535 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--1938-1950: Maximum discharge, 26,000 ft³/s (736 m³/s) Jan. 24, 1947 (gage height, 39.00 ft or 11.887 m); minimum, 149 ft³/s (4.22 m³/s) Aug. 28, 1943 (gage height, 2.48 ft or 0.756 m). 1947 to current year: Maximum gage height, 47.90 ft (14.600 m) Feb. 26, 1961 (discharge, 58,300 ft³/s or 1,651 m³/s); minimum since January 1972, 0.80 ft (0.244 m) Oct. 15, 16, 17, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1900 reached a stage of 51.5 ft (15.697 m) at site 1.3 mi (2.1 km) upstream, at datum 2.95 ft (0.899 m) higher and about 50 ft (15.2 m) at present site and datum (discharge about 73,000 ft³/s or 2,070 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum observed, 21.27 ft (6.483 m) May 11, but may have been higher during period of no record, Jan. 27-31; minimum observed, 2.21 ft (0.674 m) Sept. 12, 13.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.74	9.95	13.73	10.47	13.55	7.08	6.38	4.81	8.13	3.13	4.13	2.55
2	5.75	7.00	16.46	10.41	16.09	7.48	6.22	5.06	6.98	3.08	3.65	2.52
3	4.95	8.13	17.06	9.05	17.99	8.93	6.11	5.82	7.71	3.01	3.41	2.47
4	4.48	7.41	17.11	7.92	18.39	8.78	6.03	18.34	9.00	4.65	3.28	2.43
5	4.40	8.09	16.40	7.30	18.26	8.69	5.94	18.44	7.64	4.50	3.14	2.40
6	4.47	11.32	13.00	6.97	17.57	8.64	5.84	13.66	6.40	5.79	2.98	2.35
7	4.23	14.75	10.67	6.86	14.57	7.93	5.71	11.60	5.62	5.80	2.85	2.31
8	3.86	15.62	9.91	7.35	11.84	8.96	5.56	15.95	5.46	4.71	2.81	2.30
9	4.53	15.63	9.42	10.02	11.03	11.86	5.45	19.18	7.59	4.04	2.85	2.27
10	5.89	14.10	9.22	10.77	10.50	11.84	5.31	21.06	6.75	3.82	2.93	2.25
11	8.41	10.66	8.97	---	---	11.14	5.17	21.27	6.36	3.88	3.03	2.23
12	9.05	9.40	8.98	10.66	---	9.96	6.09	20.68	5.90	3.97	3.16	2.21
13	7.30	8.66	8.82	9.24	---	9.21	13.90	20.50	5.42	3.76	3.52	2.21
14	5.50	8.36	8.59	---	9.01	8.76	16.13	20.07	5.97	3.84	3.84	2.39
15	4.55	8.15	8.74	---	9.75	11.14	16.00	16.02	6.12	---	3.99	2.62
16	4.20	7.96	9.59	8.57	10.16	14.50	14.84	11.05	5.58	3.71	4.26	2.71
17	3.93	7.89	10.34	8.79	9.10	15.55	11.89	9.85	5.00	4.31	4.40	3.19
18	3.77	7.78	10.29	11.43	8.39	15.63	8.02	10.73	4.57	4.40	4.12	3.38
19	3.69	7.47	10.93	---	8.05	13.50	10.68	10.30	4.29	3.68	3.77	3.18
20	3.61	7.69	11.24	---	7.83	9.37	12.44	8.95	4.10	3.37	3.53	2.95
21	3.53	7.72	10.10	---	7.61	8.60	11.84	7.80	3.91	3.21	3.44	2.76
22	3.43	9.58	8.54	---	7.21	8.30	8.41	8.15	3.78	3.16	3.30	2.60
23	3.34	16.76	8.04	11.97	6.84	8.07	6.85	7.99	3.72	3.13	3.13	2.48
24	3.28	17.07	7.79	10.62	6.70	7.88	6.29	7.66	3.70	3.66	3.00	2.40
25	3.31	16.45	7.62	16.04	6.63	7.69	5.83	7.44	3.63	3.53	2.87	2.32
26	9.91	15.41	7.53	20.00	6.58	7.44	5.87	7.38	3.58	3.46	2.76	2.28
27	16.50	12.76	7.54	---	6.73	7.31	5.92	7.56	3.50	3.59	2.68	2.27
28	17.29	10.05	7.55	---	6.94	7.45	5.67	7.41	3.36	3.49	2.66	2.31
29	17.85	9.37	7.26	---	---	7.24	5.50	9.81	3.27	5.05	2.61	2.34
30	18.26	10.07	7.72	---	---	6.43	5.13	9.03	3.17	5.11	2.57	2.37
31	14.54	---	9.85	---	---	6.68	---	9.38	---	---	2.56	---
MEAN	6.86	10.71	10.29	---	---	9.42	8.03	12.03	5.34	---	3.27	2.50
MAX	18.26	17.07	17.11	---	---	15.63	16.13	21.27	9.00	---	4.40	3.38
MIN	3.28	7.00	7.26	---	---	6.43	5.13	4.81	3.17	---	2.56	2.21

CAL YR 1977 MEAN 9.65 MAX 27.90 MIN 2.60

PASCAGOULA RIVER BASIN

02477990 BUCKATUNNA CREEK NEAR DENHAM, MS

LOCATION.--Lat 31°41'38", long 88°31'10", in NE¼ 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, 2.7 mi (4.3 km) north of Denham, and 8.7 mi (14.0 km) east of Waynesboro.

DRAINAGE AREA.--490 mi² (1,270 km²), approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 141.15 ft (43.023 m) National Geodetic Vertical Datum of 1929. Prior to water year 1975, at datum 3.94 ft (1.201 m) lower.

REMARKS.--Records good.

AVERAGE DISCHARGE.--6 years, 878 ft³/s (24.86 m³/s), 24.33 in/yr (618 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,500 ft³/s (325 m³/s) Apr. 16, 1974, gage height, 33.81 ft (10.305 m) at datum then in use; minimum, 7.8 ft³/s (0.22 m³/s) Sept. 21-22, 1972, gage height, 3.92 ft (1.195 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 3,680 ft³/s (104 m³/s) Jan. 25, gage height, 18.50 ft (5.639 m), no peak above base of 4,000 ft³/s (113 m³/s); minimum, 20 ft³/s (0.57 m³/s) Sept. 19, gage height, 4.08 ft (1.244 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	458	291	2040	971	1870	587	287	224	202	69	116	31
2	286	241	1690	810	2480	568	275	307	242	65	93	29
3	167	1520	1510	618	2270	707	257	1650	451	61	79	27
4	106	1190	1420	512	1970	662	239	3440	786	78	75	26
5	74	945	1230	451	1790	548	230	2550	726	103	85	26
6	73	1620	832	431	1700	488	219	1710	462	67	81	26
7	69	1410	650	451	1380	556	210	1580	341	75	64	25
8	70	1250	546	863	997	1310	199	2840	782	114	63	24
9	207	1110	492	1370	854	1280	189	2940	1030	117	71	24
10	130	839	473	1030	772	1190	196	2770	1190	106	65	23
11	219	726	453	839	717	1020	338	2540	1090	92	61	22
12	224	621	437	674	662	779	726	2420	724	81	79	22
13	160	488	413	572	657	652	1320	2680	471	78	101	22
14	119	404	415	532	652	705	1390	2730	377	74	143	23
15	98	349	460	508	621	1030	1270	2250	370	69	111	26
16	84	314	522	486	582	1170	1090	1110	440	66	95	24
17	73	289	705	1240	536	1130	681	885	307	61	117	22
18	67	282	976	1490	504	1020	808	984	224	103	98	22
19	64	329	882	1830	478	714	1450	698	184	119	77	26
20	60	307	861	2240	458	562	1320	556	164	87	65	50
21	57	334	671	1810	439	504	933	476	148	69	57	42
22	55	1780	518	1470	417	482	562	419	128	61	51	36
23	54	2360	448	1260	403	467	415	377	117	55	47	32
24	53	1960	410	1330	390	455	341	385	109	56	44	29
25	127	1800	397	3170	383	444	314	334	103	60	41	26
26	707	1560	399	3530	431	413	296	293	96	54	38	26
27	882	1040	484	3050	462	390	273	257	87	56	36	29
28	969	707	490	2690	548	368	260	239	81	49	34	28
29	992	606	462	2370	---	345	228	446	77	50	33	26
30	837	1340	969	2190	---	325	202	255	73	65	32	25
31	433	---	1020	2110	---	311	---	214	---	108	32	---
TOTAL	7974	28012	23275	42898	25423	21182	16518	40559	11582	2368	2184	819
MEAN	257	934	751	1384	908	683	551	1308	386	76.4	70.5	27.3
MAX	992	2360	2040	3530	2480	1310	1450	3440	1190	119	143	50
MIN	53	241	397	431	383	311	189	214	73	49	32	22
CFSM	.52	1.91	1.53	2.82	1.85	1.39	1.12	2.67	.79	.16	.14	.06
IN.	.61	2.13	1.77	3.26	1.93	1.61	1.25	3.08	.88	.18	.17	.06
CAL YR 1977	TOTAL	297713	MEAN 816	MAX 5250	MIN 31	CFSM 1.67	IN 22.60					
WTR YR 1978	TOTAL	222794	MEAN 610	MAX 3530	MIN 22	CFSM 1.25	IN 16.91					

02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MS

LOCATION.--Lat 31°08'54", long 88°33'52", in SW¼ 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 (0.8 km) southeast of Leakesville, 2 mi (3 km) upstream from Foulk ditch, and 29.1 mi (46.8 km) upstream from confluence with Leaf River.

DRAINAGE AREA.--2,680 mi² (6,940 km²), approximately.

WATER-DISCHARGE RECORDS

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 (15.584 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 19, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--40 years, 3,782 ft³/s (107.1 m³/s), 19.16 in/yr (487 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 73,600 ft³/s (2,080 m³/s) Feb. 28, 1961, gage height, 33.52 ft (10.217 m); minimum, 160 ft³/s (4.53 m³/s) Oct. 30, 31, 1963, gage height, 6.74 ft (2.054 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood in April 1900 reached a stage of 38 ft (11½ m), and a flood in July 1916 reached a stage of 34.12 ft (10.400 m), discharge, 68,000 ft³/s (1,950 m³/s), from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 18,200 ft³/s (515 m³/s) June 9, gage height, 24.59 ft (7.495 m); minimum, 467 ft³/s (13.2 m³/s) Sept. 25, gage height, 8.49 ft (2.588 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	UCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1320	6250	7100	5330	12600	3170	2100	1500	2680	808	1460	740
2	1260	3240	8450	5160	11600	3080	1970	1550	2930	784	1170	736
3	1430	3080	8900	4750	11600	3480	1890	4180	3710	764	939	716
4	1320	5180	8830	4100	11800	3990	1820	11600	4420	784	824	670
5	1150	4590	8650	3550	11500	3650	1760	13600	3800	1020	768	620
6	1060	4620	8080	3200	10800	3430	1690	13100	2960	1210	724	570
7	790	6100	6250	2990	9950	3440	1650	9550	2310	1440	760	530
8	760	7140	4810	3000	8220	5390	1600	7200	10400	1560	864	500
9	730	7310	4220	4520	6250	6240	1550	10300	16800	1310	885	500
10	1320	7300	3960	5570	5560	6180	1500	14500	9460	1070	912	510
11	1840	6330	3800	5380	5160	5650	1490	14700	4550	1110	880	520
12	2400	4550	3610	5270	4810	4920	1770	14000	3600	1380	876	520
13	2650	3640	3580	4650	4580	4190	4230	13400	3420	1130	856	516
14	2080	3160	3560	4090	4510	3790	7190	13300	2650	970	925	510
15	1530	2870	3640	3650	4390	3950	7870	12900	2340	1050	997	520
16	1220	2730	3680	3550	4320	5240	7420	10500	2080	1020	1040	550
17	1060	2620	4170	3790	4290	6500	6310	6650	1920	1040	1090	600
18	957	2530	5810	5190	4020	7020	4770	4970	1700	1100	1120	660
19	910	2450	5670	6480	3700	6790	3960	5110	1460	1020	1150	700
20	850	2350	5060	8560	3470	5250	4990	4410	1300	1030	1160	609
21	810	2470	5030	9590	3290	3710	5510	3510	1200	1010	1130	567
22	780	5170	4440	8800	3120	3310	4650	2950	1120	907	1050	525
23	750	10000	3730	7090	2890	3190	3160	2830	1070	840	988	504
24	730	11100	3380	6040	2520	3020	2450	2620	1050	800	925	488
25	1060	10500	3170	8820	2440	2890	2120	2470	1020	792	860	476
26	1560	9220	3050	13000	2430	2800	1930	2310	984	957	812	507
27	3340	8040	2960	14500	2520	2660	1890	2280	957	1230	772	570
28	6140	6340	2900	14800	2820	2580	1840	2210	903	1290	740	546
29	7190	5060	2950	14400	---	2530	1740	2110	860	1110	716	556
30	7630	4950	3690	13700	---	2380	1630	2680	832	930	704	539
31	7850	---	5210	13100	---	2240	---	2760	---	1190	720	---
TOTAL	64477	160890	152340	216620	165160	126660	94450	215750	94486	32656	28817	17075
MEAN	2080	5363	4914	6988	5899	4086	3148	6960	3150	1053	930	569
MAX	7850	11100	8900	14800	12600	7020	7870	14700	16800	1560	1460	740
MIN	730	2350	2900	2990	2430	2240	1490	1500	832	764	704	476
CFSM	.78	2.00	1.83	2.61	2.20	1.53	1.18	2.60	1.18	.39	.35	.21
IN.	.89	2.23	2.11	3.01	2.29	1.76	1.31	2.99	1.31	.45	.40	.24
CAL YR 1977	TOTAL	1785607	MEAN	4892	MAX	27300	MIN	599	CFSM	1.83	IN	24.79
WTR YR 1978	TOTAL	1369381	MEAN	3752	MAX	16800	MIN	476	CFSM	1.40	IN	19.01

PASCAGOULA RIVER BASIN

02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944-47, 1952, 1958-75, 1978 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
OCT 06...	1215	1050	98	7.0	23.0	50	9.0	7.0	K19	.27	.01
NOV 03...	1330	3030	65	7.5	19.5	65	15	7.2	K1400	.11	.01
DEC 06...	1200	8120	52	6.8	15.5	120	45	8.0	K120	.06	.01
JAN 10...	1400	5670	92	6.5	9.0	95	35	9.9	2500	.11	.01
FEB 09...	1330	6000	60	7.0	5.5	40	25	10.2	K200	.12	.01
MAR 02...	1200	3060	97	7.0	12.0	50	15	11.0	K81	.13	.00
APR 05...	1130	1750	110	6.4	21.5	40	6.0	8.5	210	.15	.01
MAY 04...	1100	11800	45	7.2	18.0	60	35	7.2	1700	.10	.01
JUN 15...	1100	2350	95	6.2	26.0	70	15	7.2	K69	.18	.00
JUL 12...	1530	1330	120	6.6	30.0	45	20	6.4	--	.19	.01
AUG 03...	1500	903	90	6.8	32.0	70	15	6.9	K38	.27	.01
SEP 08...	1130	860	119	5.5	29.0	50	5.0	5.1	--	.18	.00

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
OCT 06...	.28	.02	.27	.29	.57	2.5	.02	.03	10	32	91
NOV 03...	.12	.02	.67	.69	.81	3.6	.07	.01	11	88	720
DEC 06...	.07	.05	.49	.54	.61	2.7	.08	.02	9.3	154	3380
JAN 10...	.12	.04	.65	.69	.81	3.6	.07	.02	6.1	98	1500
FEB 09...	.13	.03	.28	.31	.44	1.9	.01	.01	9.2	40	648
MAR 02...	.13	.02	.40	.42	.55	2.4	.03	.01	4.0	28	231
APR 05...	.16	.01	.39	.40	.56	2.5	.03	.01	6.2	24	113
MAY 04...	.11	.02	.64	.66	.77	3.4	.05	.01	9.0	288	9180
JUN 15...	.18	.03	.27	.30	.48	2.1	.03	.01	9.8	--	--
JUL 12...	.20	.04	.56	.60	.80	3.5	.03	.01	5.9	35	126
AUG 03...	.28	.07	.90	.97	1.3	5.5	.05	.05	9.5	20	49
SEP 08...	.18	.00	.38	.38	.56	2.5	.03	.01	5.4	36	84

02478500 CHICKASAWHAY RIVER AT LEAKESVILLE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L 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	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CACO3)	
OCT 06...	26	7	8.1	1.5	9.5	42	.8	24	0	20

DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
OCT 06...	3.8	5.1	16	<10	<10	<10	<10	.00	<10	10

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 06...	0	.0	0	.0	.0	.0	.0	.0	.0	.0	.0

DATE	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 06...	.0	.0	.0	.0	.0	.0	0	.0	0	0	.0

PASCAGOULA RIVER BASIN

02479000 PASCAGOULA RIVER AT MERRILL, MS

LOCATION.--Lat 30°58'40", long 88°43'35", in SW¼ 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 (0.8 km) downstream from confluence of Leaf and Chickasawhay Rivers, 0.5 mi (0.8 km) west of Merrill, and at mile 80.8 (130 km).

DRAINAGE AREA.--6,600 mi² (17,100 km²), approximately.

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 (8.001 m) National Geodetic Vertical Datum of 1929. Prior to Dec. 6, 1934, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of chemical analyses for the current year at site 13.8 mi (22.2 km) downstream (station 02479020).

AVERAGE DISCHARGE.--48 years, 9,695 ft³/s (274.6 m³/s), 19.95 in/yr (507 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 178,000 ft³/s (5,040 m³/s) Feb. 27, 1961, gage height, 30.66 ft (9.345 m); minimum, 696 ft³/s (19.7 m³/s) Nov. 3, 1936; minimum gage height, 1.92 ft (0.585 m) Oct. 21-26, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood in April 1900 reached a stage of 32.5 ft (9.91 m), and the flood of July 9, 1916, reached a stage of 31.0 ft (9.45 m), from information by National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 40,600 ft³/s (1,150 m³/s) June 10, gage height, 20.44 ft (6.230 m); minimum, 1,520 ft³/s (43.0 m³/s) Sept. 9, gage height, 3.13 ft (0.954 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.82	10.51	13.54	12.41	19.25	9.81	6.60	5.96	7.31	4.65	5.45	3.73
2	6.42	8.55	15.00	11.85	18.93	9.19	6.39	5.71	7.36	4.50	5.13	3.61
3	6.49	7.69	15.78	11.04	18.93	9.08	6.22	8.73	7.72	4.36	4.72	3.50
4	5.88	8.70	16.07	9.90	18.85	10.14	6.09	17.10	9.54	4.26	4.36	3.36
5	5.56	9.39	15.99	8.79	18.63	9.65	5.98	19.12	10.99	4.60	4.07	3.28
6	5.29	10.78	15.19	8.13	18.05	8.93	5.85	19.58	9.84	5.15	3.90	3.21
7	5.06	12.37	13.37	7.77	17.04	8.89	5.75	19.28	9.04	5.09	3.81	3.18
8	4.89	13.13	11.14	8.16	15.55	12.49	5.69	17.97	13.17	5.51	4.00	3.18
9	4.84	13.40	9.51	10.85	13.60	13.79	5.60	16.96	19.54	5.75	4.33	3.14
10	5.29	13.67	8.81	11.50	11.59	13.03	5.51	18.42	19.73	5.38	4.34	3.24
11	6.79	12.96	8.46	11.09	10.58	12.09	5.49	19.69	16.63	5.23	4.32	3.21
12	8.38	11.07	8.21	10.60	10.03	11.22	5.87	20.24	11.66	5.70	4.33	3.16
13	9.24	9.29	8.04	10.33	9.78	10.31	9.14	20.35	9.65	5.45	4.97	3.18
14	8.43	8.25	8.06	9.72	9.86	9.54	12.51	20.14	8.72	4.93	5.08	3.23
15	7.09	7.62	8.60	9.00	9.87	9.32	13.45	19.54	7.71	5.06	5.34	3.40
16	6.08	7.21	9.14	8.50	9.99	9.90	13.34	18.52	7.21	5.84	5.38	3.71
17	5.44	6.92	9.74	8.79	9.94	11.03	12.37	16.87	6.96	5.45	5.19	3.84
18	5.05	6.71	12.09	10.47	9.46	11.69	11.25	13.31	6.64	5.11	4.82	3.87
19	4.78	6.59	12.84	12.56	8.87	11.60	11.36	12.82	6.16	4.89	4.54	3.86
20	4.59	6.49	11.13	14.72	8.47	10.60	11.56	13.19	5.77	4.94	4.34	3.74
21	4.44	6.60	10.04	15.53	8.18	9.10	12.37	11.42	5.49	4.79	4.26	3.52
22	4.33	10.26	9.39	15.32	7.95	8.20	11.80	9.90	5.28	4.48	4.23	3.35
23	4.22	16.31	8.56	14.16	7.75	7.89	10.51	9.07	5.14	4.41	4.14	3.25
24	4.12	17.89	7.97	12.95	7.53	7.72	9.11	8.46	5.05	4.57	3.97	3.21
25	4.35	17.99	7.62	15.69	7.38	7.62	7.83	7.90	4.97	4.42	3.89	3.16
26	9.03	17.41	7.45	18.34	7.38	7.66	6.96	7.47	4.97	4.66	3.71	3.28
27	10.24	16.36	7.45	19.39	7.72	7.70	6.64	7.14	4.89	5.26	3.70	3.43
28	11.06	14.49	7.35	19.93	8.66	7.56	6.66	6.91	4.86	6.91	3.61	4.14
29	11.90	13.00	7.36	20.20	---	7.33	6.60	6.71	4.85	5.89	3.50	3.89
30	12.35	11.85	9.28	20.18	---	7.09	6.30	6.63	4.82	5.23	3.49	3.55
31	11.52	---	11.87	19.91	---	6.82	---	7.08	---	5.49	3.68	---
MEAN	6.77	11.12	10.49	12.83	11.78	9.58	8.36	13.30	8.39	5.10	4.34	3.45
MAX	12.35	17.99	16.07	20.20	19.25	13.79	13.45	20.35	19.73	6.91	5.45	4.14
MIN	4.12	6.49	7.35	7.77	7.38	6.82	5.49	5.71	4.82	4.26	3.49	3.14

CAL YR 1977 MEAN 9.74 MAX 23.18 MIN 3.56
WTR YR 1978 MEAN 8.78 MAX 20.35 MIN 3.14

02479000 PASCAGOULA RIVER AT MERRILL, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5120	11500	17500	15200	34800	10200	5290	4470	5190	2720	3850	2050
2	4660	8170	20900	14100	33300	9190	5020	4160	5280	2590	3480	1950
3	4800	6850	22900	12500	33300	9010	4800	8980	5800	2480	3030	1840
4	4090	8390	23700	10400	33000	10800	4630	27100	8600	2410	2650	1720
5	3750	9530	23500	8550	32200	9970	4490	34200	11100	2790	2370	1650
6	3480	12000	21400	7490	30200	8780	4330	36400	9110	3410	2200	1590
7	3270	15100	17200	6950	26700	8710	4210	34900	7870	3370	2120	1570
8	3120	16700	12700	7560	22300	15400	4130	29900	16300	3880	2300	1570
9	3110	17200	9730	12100	17700	18100	4030	26400	35900	4210	2620	1540
10	3660	17800	8570	13400	13500	16400	3920	31600	36900	3770	2630	1620
11	5590	16300	8010	12600	11600	14500	3900	36900	23800	3590	2610	1590
12	7900	12600	7620	11700	10600	12800	4380	39700	12700	4150	2620	1550
13	9280	9380	7360	11200	10200	11100	9240	40200	9010	3850	3300	1570
14	7960	7680	7390	10100	10300	9780	15400	39200	7560	3260	3420	1610
15	5980	6730	8230	8890	10400	9410	17300	35400	6090	3400	3720	1750
16	4630	6140	9110	8070	10600	10400	17100	30000	5430	4320	3780	2030
17	3840	5730	10100	8550	10500	12500	15100	23000	5110	3850	3550	2150
18	3390	5440	14600	11400	9650	13700	12900	14900	4730	3460	3140	2180
19	3090	5280	16100	15500	8670	13600	13100	13900	4160	3210	2840	2170
20	2890	5150	12700	20200	8020	11700	13500	14700	3710	3270	2630	2050
21	2730	5290	10700	22200	7570	9040	15100	11400	3410	3100	2550	1860
22	2620	11400	9530	21700	7220	7600	13900	8780	3190	2780	2520	1710
23	2510	24500	8170	18900	6920	7130	11500	7480	3060	2700	2430	1630
24	2410	29600	7250	16300	6600	6880	9060	6600	2990	2870	2270	1590
25	2650	30000	6730	22900	6380	6730	7050	5840	2920	2710	2190	1550
26	9030	27900	6480	31300	6380	6790	5780	5270	2940	2960	2030	1650
27	11000	24600	6480	35500	6880	6850	5350	4850	2870	3650	2020	1780
28	12500	19700	6330	38100	8340	6640	5380	4580	2860	5730	1940	2430
29	14100	16400	6350	39500	---	6310	5290	4360	2870	4400	1840	2190
30	15000	14000	9390	39400	---	5970	4900	4280	2870	3590	1830	1880
31	13400	---	14100	38000	---	5590	---	4870	---	3900	2000	---
TOTAL	181560	407060	370830	550260	433830	311580	250080	594320	254330	106380	82480	54020
MEAN	5857	13570	11960	17750	15490	10050	8336	19170	8478	3432	2661	1801
MAX	15000	30000	23700	39500	34800	18100	17300	40200	36900	5730	3850	2430
MIN	2410	5150	6330	6950	6380	5590	3900	4160	2860	2410	1830	1540
CFSM	.89	2.06	1.81	2.69	2.35	1.52	1.26	2.91	1.29	.52	.40	.27
IN.	1.02	2.29	2.09	3.10	2.45	1.76	1.41	3.35	1.43	.60	.46	.30
CAL YR 1977	TOTAL	4502000	MEAN	12330	MAX	61000	MIN	1830	CFSM	1.87	IN	25.37
WTR YR 1978	TOTAL	3596730	MEAN	9854	MAX	40200	MIN	1540	CFSM	1.49	IN	20.27

PASCAGOULA RIVER BASIN

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 (3.4 km) east of Benndale, and at mile 67.0 (107.8 km).

DRAINAGE AREA.--6,690 mi² (17,300 km²), approximately.

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1958 to September 1960, January 1976 to current year.

WATER TEMPERATURE: August to September 1958, March 1959 to September 1960, January 1976 to current year.

INSTRUMENTATION.--Specific conductance/temperature recorder since January 1976.

REMARKS.--Specific conductance listed as 50 micromhos represent 50 micromhos or less due to instrument limitations. Interruptions in the record were due to malfunctions of the instrument. Stream discharge determined 13.8 mi (22.1 km) upstream (station 02479000). In water years 1958-59, 1962-63, and 1966-75, equivalent data was collected 13.8 mi (22.1 km) upstream (station 02479000). Samples are collected by a local observer.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 581 micromhos Aug. 3, 1960; minimum daily, 30 micromhos June 1, 1959.

WATER TEMPERATURE: Maximum daily, 33.0°C July 1, 15, 21, 1960; minimum daily 3.5°C Nov. 30, Dec. 1, 1959.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 600 micromhos June 24, 1970; minimum, 40 micromhos Jan. 19, 1975.

WATER TEMPERATURE: Maximum, 32.5°C Jul. 2-8, 24, 25, 1977; minimum, 5.0°C Jan. 8, 1970.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
OCT											
02...	1600	4540	75	6.6	26.5	7.0	7.2	80	280	16	0
NOV											
12...	1400	12000	65	6.8	14.5	30	8.8	--	--	15	2
DEC											
10...	1630	8410	70	6.8	10.5	20	9.7	100	460	18	3
JAN											
07...	1500	6920	80	7.1	10.5	15	9.0	120	580	19	8
28...	1200	38400	50	7.2	7.5	50	9.6	160	620	13	6
MAR											
03...	1645	9510	69	6.8	12.5	15	9.2	200	610	17	6
APR											
01...	1530	5260	90	7.2	20.5	8.0	8.2	240	680	20	0
MAY											
06...	1635	36500	70	7.6	19.5	50	7.4	220	640	14	5
JUN											
05...	1305	11500	53	6.8	26.5	35	6.8	220	620	11	3
JUL											
07...	1900	3390	76	--	30.0	5.0	6.8	200	580	15	0
AUG											
05...	2036	2300	85	7.2	30.5	1.0	6.5	200	580	15	0
SEP											
09...	1655	1540	80	7.1	27.5	1.0	6.7	150	550	15	0

02479020 PASCAGOULA RIVER NEAR BENNDALE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	BITAR- TARIC ACID (MG/L AS HClO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CaCO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT 02...	4.4	1.1	8.0	49	.9	2.0	19	0	16	7.6	5.7
NOV 12...	4.2	1.2	8.0	50	.9	1.8	16	0	13	4.1	7.0
DEC 10...	5.2	1.2	8.2	47	.8	1.6	18	--	15	4.6	6.1
JAN 07...	5.5	1.2	8.2	46	.8	1.6	13	0	11	1.7	6.1
28...	3.9	.8	4.9	43	.6	1.0	8	0	7	.8	5.6
MAR 03...	5.1	1.0	7.1	47	.8	.6	13	0	11	3.3	6.4
APR 01...	6.0	1.2	8.5	46	.8	1.3	25	0	21	2.5	6.2
MAY 06...	3.8	1.0	7.5	52	.9	1.3	10	0	8	.4	5.6
JUN 05...	2.9	.8	4.8	46	.6	1.4	10	0	8	2.5	4.8
JUL 07...	4.2	1.1	8.8	53	1.0	1.5	--	--	19	--	4.4
AUG 05...	4.2	1.2	11	58	1.2	1.4	--	--	21	--	5.4
SEP 09...	4.2	1.2	9.5	53	1.1	2.0	--	--	15	--	8.1

DATE	CHLOR- IDE, DIS- SOLVED (MG/L AS CL)	FLUOR- IDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTIT- UENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)
OCT 02...	9.4	.0	19	78	60	.11	956	.44	.04	--	--
NOV 12...	8.4	.1	9.1	57	48	.08	1850	.09	.02	--	--
DEC 10...	8.4	.0	11	52	51	.07	1180	.13	.16	--	--
JAN 07...	9.9	.0	11	66	50	.09	1230	.20	.19	--	--
28...	6.5	.1	6.2	50	33	.07	5180	.12	.07	.71	.78
MAR 03...	9.3	.1	8.8	63	45	.09	1620	.18	.02	.30	.32
APR 01...	12	.0	9.7	68	58	.09	966	.23	.11	.57	.68
MAY 06...	11	.0	9.0	60	44	.08	5910	.15	.05	.61	.66
JUN 05...	6.9	.0	7.4	51	34	.07	1580	.33	.09	.69	.78
JUL 07...	10	.0	9.2	57	51	.08	522	.24	.13	.25	.38
AUG 05...	11	.1	9.8	66	57	.09	410	--	--	--	--
SEP 09...	12	.1	10	70	56	.10	291	.24	.11	.46	.57

DATE	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
OCT 02...	--	.36	--	--	.13	.10	--	4600	--	--
NOV 12...	--	.96	--	--	.11	.05	10	1400	399	12900
DEC 10...	--	.80	--	--	.06	.02	11	--	314	7130
JAN 07...	--	4.7	--	--	.07	.13	--	660	325	6070
28...	.07	.71	.90	4.0	.07	.02	--	--	72	7470
MAR 03...	.00	.48	.50	2.2	.04	.03	--	--	17	437
APR 01...	.00	.74	.91	4.0	.06	.02	--	860	81	1150
MAY 06...	.09	.57	.81	3.6	.10	.02	--	--	133	13100
JUN 05...	.04	.74	1.1	4.9	.10	.04	8.9	1300	150	4660
JUL 07...	.09	.29	.62	2.7	.04	.01	--	190	47	430
AUG 05...	--	--	--	--	.01	.05	--	--	55	342
SEP 09...	.02	.55	.81	3.6	.07	.05	--	240	38	158

PASCAGOULA RIVER BASIN

02479020 PASCAGOULA RIVER NEAR BENNDAL, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 02...	1	0	1	0	0	100	0	0	3	<10
JAN 07...	1	1	0	100	0	100	2	1	1	10
APR 01...	2	1	1	100	0	100	0	0	2	20
JUL 07...	1	1	0	200	0	200	1	0	6	<10

DATE	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDE RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)
OCT 02...	10	0	0	0	0	18	12	6	1300	--
JAN 07...	10	0	0	0	0	28	20	8	1300	--
APR 01...	20	0	0	0	0	20	12	8	800	--
JUL 07...	<10	0	0	0	0	19	7	12	1100	680

DATE	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 02...	550	11	0	12	50	50	0	<.5	.0	<.5
JAN 07...	330	21	6	15	50	30	20	<.5	.0	<.5
APR 01...	610	12	2	10	30	0	30	<.5	.0	<.5
JUL 07...	420	22	6	16	60	40	20	<.5	.0	<.5

DATE	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SF)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 02...	0	0	0	0	0	0	240	140	100
JAN 07...	0	0	0	0	0	0	240	140	100
APR 01...	0	0	0	0	0	0	30	0	30
JUL 07...	--	--	0	0	0	0	30	0	30

DATE TIME	OCT 2, 77 1600	NOV 12, 77 1400	JAN 7, 78 1500	APR 1, 78 1530
TOTAL CELLS/ML	4600	1400	660	860
DIVERSITY: DIVISION	1.0	1.1	1.3	1.3
..CLASS	1.1	1.2	1.3	1.3
...ORDER	1.8	2.0	1.5	1.4
....FAMILY	2.1	2.2	2.3	2.7
.....GENUS	2.4	2.2	2.4	3.0

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
...CHLORASTRACEAE								
...COCLASTRUM	--	-	--	-	--	-	230#	26
...MICRACETINACEAE	--	-	--	-	--	-	57	7
...MICRACETINUM								
...NOCTACEAE								
...ANKISTRODESUS	77	2	15	1	5	1	43	5
...CHLORATILLA	77	2	--	-	5	1	--	-
...DICTYOSPHAERIUM	390	8	140	10	74	11	130	15
...SELENASTRUM	48	1	--	-	--	-	--	-
...SCENEDUSACEAE								
...CRUCIGENIA	77	2	--	-	--	-	--	-
...SCENEDUS	570	12	76	5	42	6	110	13
...IFSTRUM	39	1	--	-	--	-	--	-
...VULVOCALES								
...CHLAMYDOMONADACEAE								
...CHLAMYDOMONAS	*	0	--	-	--	-	--	-
...ZYGNEMATALES								
...DESMIDIACEAE								
...CLUSTRIUM	--	-	--	-	--	-	14	2
...STAUROSTRUM	*	0	--	-	--	-	--	-
...ZYGNEMATACEAE								
...MOUGOTIA	39	1	--	-	--	-	--	-
CHRYSPHYTA								
..RACILLARIOPHYCEAE								
...CENTRALES								
...COSCINODISCACEAE								
...CYCLOTELLA	*	0	--	-	--	-	--	-
..PENNALES								
...CYMBELLACEAE								
...CYMBELLA	--	-	8	1	--	-	--	-
...FUNOITACEAE								
...FUNOITIA	*	0	--	-	--	-	--	-
...FRAGILIARIACEAE								
...FRAGILIARIA	*	0	--	-	--	-	--	-
...SYNEDEA	--	-	15	1	47	7	14	2
...GOMPHONEMACEAE								
...GOMPHONEMA	--	-	15	1	--	-	--	-
...NAVICULACEAE								
...NAVICULA	*	0	38	3	26	4	--	-
...STAUROIDEIS	--	-	--	-	--	-	--	-
...NITZSCHACEAE								
...NITZSCHIA	48	1	--	-	37	6	130	15
..CHRYSPHYCEAE								
...CHRYSDOMONADALES								
...CHROMONADACEAE								
...DINORHYON	--	-	91	6	--	-	--	-
...XANTHOPHYCEAE								
...PETEROCOCCELES								
...CENTRITRACTACEAE								
...CENTRITRACTUS	*	0	--	-	--	-	--	-
...GLOPHOTRYDACEAE								
...CHLOROTRYPS	*	0	--	-	--	-	--	-
(CYANOPHYTA (BLUE-GREEN ALGAE))								
..CYANOPHYCEAE								
...HORMOGONALES								
...OSCILLATORIACEAE								
...PHORMIDIUM	--	-	--	-	69	10	--	-
...CHROOCOCCALES								
...CHROOCOCCACEAE								
...ANACYSTIS	1300#	28	--	-	21	3	110	13
...HORMOGONALES								
...NOSTOCACEAE								
...APHANIZOMENON	--	-	--	-	340#	51	--	-
...OSCILLATORIACEAE								
...LYNGBYA	--	-	--	-	--	-	--	-
...OSCILLATORIA	1900#	40	590#	42	--	-	--	-
...CHROOCOCCALES								
...CHROOCOCCACEAE								
...GOMPHOSPHAERIA	*	0	420#	30	--	-	14	2
EUGLENOPHYTA (EUGLENIDS)								
..EUGLENOPHYCEAE								
...EUGLENALS								
...EUGLENACEAE								
...EUGLENA	--	-	--	-	--	-	--	-
...TRACHELOMONAS	--	-	--	-	--	-	14	2

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

PASCAGOULA RIVER BASIN

02479020 PASCAGOULA RIVER NEAR BENNDALE, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1977 TO SEPTEMBER 1978

DATE TIME	JUN 5, 78 1305	JUL 7, 78 1900	SEP 9, 78 1655
TOTAL CELLS/ML	1300	190	240
DIVERSITY: DIVISION	1.1	0.6	1.3
...CLASS	1.1	0.6	1.3
...ORDER	1.1	0.6	1.3
...FAMILY	1.5	1.3	1.3
...GENUS	1.5	1.3	1.3

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)						
..CHLOROPHYCEAE						
...CHLOROCOCCALES						
...COELASTRACEAE						
...COELASTRUM	--	-	--	-	--	-
...MICRACITINACEAE						
...MICRACITINIUM	180	13	--	-	--	-
...ODCYSTACEAE						
...ANKISTRUDESMUS	--	-	44# 23		28	12
...CHODATELLA	--	-	--	-	--	-
...DICTYOSPHAERIUM			--	-	--	-
...SFLENASTRUM	22	2	--	-	--	-
...SCENEDESMACEAE						
...CRUCIGFANIA	--	-	--	-	--	-
...SCENEDESMUS	89	7	120# 62		--	-
...TETRASTRUM	--	-	--	-	--	-
...VOLVOCALES						
...CHLAMYDOMONADACEAE						
...CHLAMYDOMONAS	--	-	--	-	--	-
...ZYGNEMATALES						
...DESMIDIACEAE						
...CLOSTERIUM	--	-	--	-	--	-
...STAUROSTRUM	--	-	--	-	--	-
...ZYGNEMATAACEAE						
...MORPHOTIA	--	-	--	-	--	-
CHRYSOPHYTA						
..BACILLARIOPHYCEAE						
...CENTRALES						
...CHISCINODISCACEAE						
...CYCLOTELLA	--	-	--	-	--	-
...PENNALES						
...CYMBELLACEAE						
...CYMBELLA	--	-	--	-	--	-
...FUNDTACEAE						
...FUNDTIA	--	-	--	-	--	-
...FRAGILARIACEAE						
...FRAGILARIA	--	-	--	-	--	-
...SYNDRA	--	-	--	-	--	-
...GOMPHONEMACEAE						
...GOMPHONEMA	--	-	--	-	--	-
...NAVICULACEAE						
...NAVICULA	22	2	29# 15		--	-
...STAURONETS	22	2	--	-	--	-
...NITZSCHIA	22	2	--	-	14	6
..CHRYSOPHYCEAE						
...CHRYSIMONADALES						
...CHRYSIMONADACEAE						
...DINORHYON	--	-	--	-	--	-
..XANTHOPHYCEAE						
...HETEROCOCCALES						
...CENTRITRACTACEAE						
...CENTRITRACTUS	--	-	--	-	--	-
...GLIOFOTRYDACEAE						
...CHLOROBOTRYS	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
...HORMOGONALES						
...OSCILLATORIACEAE						
...PHORMIDIUM	--	-	--	-	--	-
...CHROCOCCALES						
...CHROCOCCACEAE						
...ANACYSTIS	--	-	--	-	170# 71	
...HORMOGONALES						
...NOSTOCACEAE						
...APHANIZOMENON	--	-	--	-	--	-
...OSCILLATORIACEAE						
...LYNGRYA	960# 72		--	-	--	-
...OSCILLATORIA	--	-	--	-	--	-
...CHROCOCCALES						
...CHROCOCCACEAE						
...GOMPHOSPHAERIA	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENIDS)						
..EUGLENOPHYCEAE						
...EUGLENALS						
...EUGLENACEAE						
...EUGLENA	22	2	--	-	--	-
...TRACHELOMONAS	--	-	--	-	28	12

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%
* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

02479020 PASCAGOULA RIVER NEAR BENNDALE, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	86	81	83	58	54	55	52	50	50	56	50	52
2	83	75	78	64	58	62	55	50	50	69	58	63
3	75	70	72	66	64	65	70	55	60	70	68	70
4	76	70	72	64	61	62	59	56	58	68	67	67
5	77	74	75	63	56	58	56	53	55	71	67	69
6	77	76	77	64	59	62	53	52	53	77	71	75
7	79	76	78	65	62	63	56	53	54	79	75	77
8	85	79	82	70	64	66	62	56	59	79	73	76
9	88	84	86	71	64	67	65	62	63	72	56	61
10	88	86	87	65	59	62	68	65	66	58	56	57
11	87	84	86	59	58	58	70	68	69	65	57	61
12	85	68	79	62	59	61	74	70	72	73	65	70
13	75	64	71	70	63	67	78	72	75	74	67	70
14	82	73	78	77	70	75	82	78	80	66	63	64
15	77	73	75	79	77	78	82	74	78	65	63	64
16	77	76	77	82	78	80	74	70	72	73	65	68
17	82	77	80	85	83	84	74	69	71	74	69	70
18	83	81	82	86	84	85	80	59	72	75	68	71
19	85	82	83	86	77	80	59	55	57	70	63	67
20	87	84	85	81	79	80	64	56	60	69	58	62
21	93	87	90	82	79	81	82	65	71	58	56	56
22	96	92	94	82	54	72	82	73	78	58	56	57
23	96	94	95	50	50	50	73	71	72	59	58	59
24	96	93	95	55	50	50	76	72	73	63	59	61
25	97	89	93	60	56	58	77	75	76	59	50	50
26	91	50	68	57	53	55	81	78	80	50	50	50
27	54	50	50	57	53	55	82	81	81	50	50	50
28	84	55	67	59	57	58	82	81	82	62	50	55
29	77	62	69	59	56	57	82	80	81	62	58	60
30	69	57	61	58	53	57	81	63	73	62	60	61
31	57	54	55	---	---	---	62	56	60	62	62	62
FEBRUARY			MARCH			APRIL			MAY			
1	65	62	64	101	83	91	101	97	99	103	97	100
2	64	61	62	120	102	111	102	100	101	102	99	100
3	62	60	61	121	116	120	105	101	103	103	58	85
4	66	62	64	121	117	119	107	104	106	56	50	51
5	66	63	64	122	120	121	107	103	105	61	50	56
6	64	62	63	122	96	118	105	103	104	67	60	63
7	64	62	63	97	87	92	104	101	102	68	65	66
8	66	64	65	86	64	76	102	99	101	69	67	68
9	68	65	66	64	62	62	101	98	99	72	69	70
10	73	68	71	75	63	68	100	97	98	68	61	65
11	78	72	75	84	74	80	102	96	98	65	61	63
12	85	76	79	85	83	84	100	95	97	65	63	64
13	82	78	80	86	83	85	100	74	86	66	63	65
14	81	76	77	89	86	87	83	71	76	65	62	63
15	78	76	77	86	85	85	83	78	81	67	62	65
16	90	78	86	85	84	85	85	81	83	68	65	67
17	103	90	97	89	83	87	82	81	81	73	68	70
18	104	103	104	89	79	85	83	80	81	76	72	74
19	104	94	103	80	77	79	80	69	74	80	74	77
20	91	83	85	81	78	80	73	68	71	76	69	73
21	85	82	83	83	80	81	85	72	80	---	---	---
22	86	85	85	87	82	85	84	80	82	---	---	---
23	88	85	87	90	86	88	81	79	79	---	---	---
24	91	87	89	91	89	90	82	78	81	---	---	---
25	94	89	91	90	88	89	84	81	83	---	---	---
26	94	88	91	89	87	88	88	84	86	---	---	---
27	88	83	84	90	89	90	91	88	89	---	---	---
28	86	78	83	90	86	88	94	90	92	---	---	---
29	---	---	---	90	86	88	94	92	93	---	---	---
30	---	---	---	96	88	93	99	93	96	---	---	---
31	---	---	---	98	95	97	---	---	---	---	---	---

PASCAGOULA RIVER BASIN

02479020 PASCAGOULA RIVER NEAR BENNDAL, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHUS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---				---	---	---	89	86	88
2	---	---	---				---	---	---	89	85	87
3	---	---	---				---	---	---	90	83	87
4	---	---	---				---	---	---	88	83	86
5	---	---	---				---	---	---	90	84	87
6	85	77	83				86	76	81	90	83	86
7	89	80	85				91	84	87	100	88	92
8	---	---	---				94	87	90	95	91	93
9	---	---	---				95	85	89	94	80	91
10	---	---	---				90	70	79	---	---	---
11	---	---	---				82	74	77	---	---	---
12	86	71	81				84	77	80	---	---	---
13	88	80	83				84	69	76	---	---	---
14	---	---	---				79	70	76	86	68	81
15	---	---	---				85	68	76	87	82	85
16	---	---	---				77	72	74	83	81	82
17	---	---	---				80	59	68	82	80	81
18	104	101	103				68	62	65	---	---	---
19	105	101	103				79	67	74	---	---	---
20	---	---	---				83	77	80	---	---	---
21	---	---	---				86	76	81	---	---	---
22	105	101	103				87	80	84	---	---	---
23	103	101	102				88	82	85	---	---	---
24	104	101	103				88	80	85	---	---	---
25	---	---	---				90	84	88	---	---	---
26	101	97	99				98	88	93	---	---	---
27	---	---	---				99	92	95	---	---	---
28	---	---	---				96	88	91	---	---	---
29	---	---	---				95	84	88	---	---	---
30	---	---	---				90	84	87	---	---	---
31	---	---	---				91	83	87	---	---	---

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	26.5	25.5	26.5	18.5	17.5	18.0	16.5	16.0	16.5	8.5	8.0	8.5
2	26.5	25.5	26.0	18.5	18.0	18.0	16.0	15.0	15.5	8.5	8.0	8.0
3	25.5	23.5	24.0	18.5	17.5	18.0	15.5	14.5	15.0	8.0	7.0	7.5
4	23.0	22.0	22.5	18.0	17.5	17.5	15.0	14.5	15.0	7.0	6.0	6.5
5	22.0	21.0	21.5	17.0	16.5	16.5	16.0	15.0	15.5	8.0	6.5	7.5
6	22.0	21.0	21.5	17.0	16.0	16.5	16.0	14.0	15.0	9.0	8.0	8.5
7	22.0	21.5	21.5	17.0	16.5	16.5	14.0	12.0	13.0	10.5	9.0	10.0
8	22.5	21.5	22.0	17.0	16.5	17.0	12.5	12.0	12.5	11.5	10.5	11.0
9	23.0	22.0	22.5	17.0	16.5	17.0	12.5	11.5	12.0	10.5	9.0	10.0
10	22.0	21.0	21.5	17.0	16.0	16.5	11.0	10.5	10.5	9.0	7.5	8.5
11	21.5	20.0	21.0	16.0	14.5	15.5	10.5	9.5	10.0	7.5	6.5	7.0
12	20.0	18.5	19.5	14.5	14.0	14.5	10.0	8.5	9.5	6.5	6.0	6.5
13	18.5	17.5	18.0	14.0	13.0	13.5	10.5	9.5	10.0	6.5	5.0	6.0
14	17.5	16.0	17.0	13.5	12.5	13.0	11.0	10.5	10.5	5.5	4.5	5.0
15	17.5	16.0	17.0	13.5	12.0	13.0	11.5	10.5	11.0	4.5	4.0	4.5
16	17.0	16.5	16.5	14.5	13.0	13.5	12.0	11.0	11.5	5.0	4.0	4.5
17	17.5	16.5	17.0	15.5	14.0	14.5	12.5	12.0	12.5	6.0	5.0	5.5
18	17.0	16.0	16.5	15.0	14.0	15.0	13.0	12.0	12.5	6.0	5.5	6.0
19	18.0	16.0	17.0	15.0	14.5	14.5	12.5	12.0	12.5	5.5	5.0	5.5
20	18.0	17.0	17.5	15.0	14.5	15.0	12.5	12.0	12.5	5.0	4.5	5.0
21	18.5	16.5	17.5	16.5	14.5	15.5	12.5	10.5	11.5	4.5	4.5	4.5
22	18.5	17.0	18.0	16.5	15.5	16.0	10.5	9.5	10.0	4.5	4.0	4.5
23	18.5	17.5	18.0	16.5	16.0	16.0	9.5	8.5	9.0	5.0	4.0	4.5
24	18.5	18.0	18.0	17.0	16.0	16.5	10.5	8.5	9.5	5.5	5.0	5.0
25	19.5	18.0	18.5	17.0	16.5	16.5	11.0	10.5	10.5	8.0	5.5	7.0
26	19.5	19.0	19.0	16.5	15.0	16.0	10.5	9.0	9.5	8.0	7.5	8.0
27	19.0	18.5	18.5	15.0	14.5	14.5	9.0	8.0	8.5	8.0	7.5	7.5
28	18.5	17.5	18.0	15.0	14.0	14.5	8.0	7.5	7.5	9.0	7.0	8.0
29	18.5	16.5	17.5	16.0	14.5	15.5	8.0	7.0	7.5	8.5	8.0	8.0
30	18.5	17.5	18.0	16.5	16.0	16.0	8.5	8.0	8.0	8.0	7.0	7.5
31	18.5	18.0	18.0	---	---	---	9.0	8.0	8.5	7.0	6.5	6.5

111

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY				MARCH			APRIL			MAY		
1	6.5	6.0	6.0	14.0	13.0	13.5	20.5	18.5	19.5	24.5	23.0	24.0
2	6.5	6.0	6.5	13.5	13.5	13.5	22.0	20.0	21.0	24.5	23.5	24.0
3	7.0	6.5	6.5	13.5	12.5	13.5	22.0	21.0	21.5	23.5	20.5	22.0
4	7.5	6.5	7.0	12.5	12.0	12.5	23.0	21.5	22.5	20.0	19.5	20.0
5	7.5	6.5	7.0	12.5	11.0	11.5	24.0	22.5	23.0	20.5	19.5	20.0
6	7.5	6.5	7.0	12.0	11.0	11.5	24.0	23.0	23.5	20.0	19.5	19.5
7	7.0	6.5	6.5	12.0	12.0	12.0	24.5	22.5	23.5	20.0	19.0	19.5
8	6.5	6.0	6.0	13.0	12.0	12.5	25.5	23.5	24.5	20.5	19.0	20.0
9	6.5	6.0	6.0	12.5	12.5	12.5	25.0	23.5	24.0	22.0	20.5	21.0
10	7.5	6.0	7.0	12.5	12.0	12.5	24.0	23.5	24.0	22.0	21.5	22.0
11	8.0	6.5	7.5	13.0	12.0	12.5	23.5	22.0	23.0	22.5	21.5	22.0
12	9.0	8.0	8.5	14.5	13.0	14.0	22.0	20.5	21.5	22.0	22.0	22.0
13	10.5	9.0	10.0	16.0	14.5	15.0	20.5	19.5	20.0	22.5	22.0	22.5
14	11.0	10.0	10.5	17.5	15.5	16.5	20.5	19.0	20.0	22.5	22.0	22.5
15	11.0	10.5	10.5	18.5	17.0	17.5	20.5	19.5	20.0	23.0	22.0	22.5
16	11.5	10.5	11.0	18.0	17.0	17.5	21.0	20.0	20.5	23.0	22.5	22.5
17	12.0	10.5	11.5	17.0	16.5	16.5	21.5	20.5	21.0	23.0	22.0	22.5
18	12.5	11.5	12.0	17.0	16.0	16.5	22.0	21.0	21.5	23.0	22.0	22.5
19	11.0	10.5	11.0	17.0	16.5	17.0	22.5	21.5	22.0	24.0	23.0	23.5
20	11.0	10.0	10.5	17.0	16.5	17.0	22.0	21.5	22.0	24.5	23.5	24.0
21	10.5	10.0	10.5	18.0	17.0	17.0	22.0	21.0	21.5	---	---	---
22	10.5	9.0	10.0	18.5	17.0	18.0	21.5	21.0	21.5	---	---	---
23	11.0	9.5	10.0	19.5	18.5	18.5	21.5	21.0	21.0	---	---	---
24	11.0	10.0	10.5	19.0	18.5	18.5	22.0	20.5	21.5	---	---	---
25	12.0	10.5	11.5	19.0	18.5	18.5	22.5	21.5	22.0	---	---	---
26	13.0	12.0	12.5	18.0	17.0	17.5	22.0	21.0	21.5	---	---	---
27	13.0	12.5	12.5	17.0	16.0	16.5	22.5	20.5	21.5	---	---	---
28	13.5	12.5	13.0	17.5	16.0	17.0	22.5	21.0	22.0	---	---	---
29	---	---	---	18.5	16.5	17.5	23.0	21.5	22.5	---	---	---
30	---	---	---	18.5	17.5	18.0	24.0	22.0	23.0	---	---	---
31	---	---	---	20.0	18.0	19.0	---	---	---	---	---	---
JUNE				JULY			AUGUST			SEPTEMBER		
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	27.5	27.0	27.5	---	---	---	31.0	29.5	30.0	---	---	---
7	28.0	27.0	27.5	---	---	---	30.0	28.5	29.5	---	---	---
8	---	---	---	---	---	---	28.5	27.0	28.0	---	---	---
9	---	---	---	---	---	---	27.0	26.0	26.5	---	---	---
10	---	---	---	---	---	---	26.5	25.5	26.0	---	---	---
11	27.0	26.5	26.5	---	---	---	27.0	26.0	26.5	---	---	---
12	---	---	---	---	---	---	27.0	26.0	26.5	---	---	---
13	---	---	---	---	---	---	29.5	27.0	27.5	---	---	---
14	---	---	---	---	---	---	29.0	27.0	27.5	30.0	28.5	29.5
15	---	---	---	---	---	---	28.0	27.0	27.5	29.0	28.0	28.5
16	---	---	---	---	---	---	29.0	27.5	28.0	28.5	27.5	28.0
17	---	---	---	---	---	---	29.5	28.0	28.5	28.0	27.0	27.5
18	---	---	---	---	---	---	30.0	28.5	29.0	27.5	26.0	26.5
19	---	---	---	---	---	---	29.5	28.5	29.0	27.5	26.5	27.0
20	---	---	---	---	---	---	29.5	27.5	28.5	27.5	26.0	26.5
21	---	---	---	---	---	---	29.5	27.5	28.0	26.0	25.5	26.0
22	---	---	---	---	---	---	29.5	27.5	28.5	26.0	25.0	25.5
23	---	---	---	---	---	---	28.5	27.0	27.5	25.5	24.5	25.0
24	---	---	---	---	---	---	29.0	27.0	28.0	26.0	24.5	25.5
25	---	---	---	---	---	---	28.5	27.5	28.0	26.0	24.5	25.5
26	---	---	---	---	---	---	28.0	26.5	27.5	25.5	24.5	25.0
27	---	---	---	---	---	---	27.5	26.0	27.0	25.5	24.0	24.5
28	---	---	---	---	---	---	---	---	---	25.0	23.0	24.0
29	---	---	---	---	---	---	---	---	---	24.0	23.0	23.5
30	---	---	---	---	---	---	---	---	---	23.5	22.0	23.0
31	---	---	---	---	---	---	---	---	---	---	---	---

PASCAGOULA RIVER BASIN

02479130 BLACK CREEK NEAR BROOKLYN, MS

LOCATION.--Lat 31°03'06", long 89°12'16", in NW¼NE¼ sec.16, T.1 N., R.12 W., St. Stephens Meridian, Forrest County, Hydrologic Unit 0317007, at bridge on U.S. Highway 49, 1.1 mi (1.8 km) southwest of Brooklyn, and 4.5 mi (7.2 km) upstream from Chaney Creek.

DRAINAGE AREA.--361 mi² (935 km²).

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1954-57, 1959, 1964-66. October 1970 to current year.

REVISED RECORDS.--WRD Miss. 1971: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 128.14 ft (39.057 m) Mississippi State Highway Department datum.

REMARKS.--Records fair. No gage-height record Feb. 8 to Apr. 12.

AVERAGE DISCHARGE.--8 years, 711 ft³/s (20.14 m³/s), 26.75 in/yr (679 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,500 ft³/s (581 m³/s) Apr. 14, 1974, gage height, 25.32 ft (7.718 m) from floodmark; minimum, 80 ft³/s (2.27 m³/s), Aug. 26, 27, 28, 1976; minimum gage height, 3.62 ft (1.103 m) Aug. 27, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Feb. 18, 1961, reached a stage of 25.70 ft (7.833 m), discharge, 21,500 ft³/s (609 m³/s).

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 3,500 ft³/s (99.1 ft³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Nov. 22	0230	3900 110	13.48 4.109	May 9	1600	3720 105	13.11 3.996
Jan. 25	2100	3600 102	12.88 3.926	June 8	2300	*6760 191	18.24 5.560
May 4	1500	6100 173	17.31 5.276				

Minimum daily discharge, 120 ft³/s (3.40 m³/s) Sept. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	555	390	1900	965	1610	1300	265	171	196	260	488	202
2	370	436	1450	799	2170	900	250	175	189	242	338	167
3	436	463	1160	781	1740	1000	240	2630	297	195	249	151
4	343	516	935	624	1420	700	230	5880	1200	170	207	150
5	283	1510	773	488	1180	600	220	3900	992	165	181	140
6	240	1440	579	479	988	900	210	1850	1150	170	242	135
7	206	1140	507	505	806	1800	205	1300	1670	283	297	130
8	184	843	457	1350	695	1000	200	1470	4260	247	319	125
9	258	938	452	1270	634	750	230	2730	6410	278	326	122
10	300	1140	471	912	608	650	310	2260	3220	249	305	120
11	510	799	444	719	579	590	345	1630	1250	573	341	122
12	1040	561	423	654	552	520	700	1400	809	305	552	140
13	791	447	421	734	698	620	1490	1280	969	198	380	163
14	599	387	691	637	647	520	1020	957	634	171	1090	232
15	400	355	770	555	564	480	681	723	485	734	688	477
16	278	338	678	499	525	430	474	549	397	579	488	341
17	230	331	737	824	499	410	331	449	355	471	370	230
18	200	319	1040	859	471	400	479	474	326	283	240	195
19	186	319	855	1810	452	390	1040	543	297	207	198	191
20	163	390	755	1490	434	380	1070	499	267	183	184	184
21	150	1220	595	1120	421	370	885	460	245	168	345	163
22	148	3090	460	912	405	360	664	365	227	227	256	147
23	350	1900	413	755	397	410	418	302	215	428	256	145
24	1300	1440	400	1260	390	470	278	265	207	312	223	135
25	2500	1120	418	3300	382	420	251	242	202	343	195	150
26	2840	897	428	2770	637	370	260	225	191	392	176	173
27	2530	644	395	2020	734	340	238	217	183	1490	167	415
28	1450	1070	367	1580	1590	310	215	285	184	777	193	247
29	897	1090	510	1280	---	300	195	249	175	657	204	181
30	564	1830	1440	1070	---	290	179	227	278	817	314	163
31	426	---	1160	1090	---	280	---	225	---	586	267	---
TOTAL	20727	27363	22084	34111	22228	18260	13573	33932	27480	12160	10079	5636
MEAN	669	912	712	1100	794	589	452	1095	916	392	325	188
MAX	2840	3090	1900	3300	2170	1800	1490	5880	6410	1490	1090	477
MIN	148	319	367	479	382	280	179	171	175	165	167	120
CFSM	1.85	2.53	1.97	3.05	2.20	1.63	1.25	3.03	2.54	1.09	.90	.52
IN.	2.14	2.82	2.28	3.52	2.29	1.88	1.40	3.50	2.83	1.25	1.04	.58

CAL YR 1977 TOTAL 233893 MEAN 641 MAX 7820 MIN 87 CFSM 1.78 IN 24.10
WTR YR 1978 TOTAL 247633 MEAN 678 MAX 6410 MIN 120 CFSM 1.88 IN 25.52

PASCAGOULA RIVER BASIN

113

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 (1.9 km) east of Janice, and 5.5 mi (8.8 km) upstream from mouth.

DRAINAGE AREA.--52.2 mi² (135 km²).

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Altitude of gage is 110 ft or 34 m (from topographic map).

REMARKS.--Records good.

AVERAGE DISCHARGE.--12 years, 91.6 ft³/s (2.594 m³/s), 23.83 in/yr (605 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 7,720 ft³/s (219 m³/s) Apr. 13, 1969, gage height, 26.01 ft (7.928 m); minimum, 4.5 ft³/s (0.13 m³/s) Sept. 2, 3, 1968.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of June 1, 1959, reached a stage of 32.06 ft (9.772 m), discharge, 22,800 ft³/s (646 m³/s).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft³/s (34 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Nov. 22	2100	1720	48.7	15.92	4.852	May 3	2400	*2910	82.4	20.20	6.157
Jan. 25	1500	1220	34.8	13.33	4.063						

Minimum discharge, 10 ft³/s (0.28 m³/s) Sept. 24, 25, gage height, 5.65 ft (1.722 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	27	337	119	341	288	34	24	23	27	20	22
2	27	33	150	89	438	137	33	25	23	20	18	21
3	31	142	112	72	216	246	31	1460	39	16	17	21
4	28	101	96	62	149	180	31	1460	90	18	17	21
5	25	127	88	58	124	112	30	248	60	65	21	22
6	23	200	74	71	110	96	30	140	46	33	24	22
7	22	107	60	86	102	269	30	144	80	25	19	22
8	22	69	57	395	95	573	29	242	586	23	23	22
9	40	65	63	347	90	225	27	652	520	50	30	23
10	43	66	66	132	90	148	26	417	111	30	28	23
11	72	48	57	102	84	119	49	148	59	24	25	23
12	86	39	52	112	78	104	137	157	51	23	31	23
13	46	35	54	140	149	93	440	225	120	48	26	25
14	31	33	100	104	119	155	169	100	76	43	64	23
15	27	31	84	84	83	124	72	69	40	25	43	45
16	24	31	64	80	76	84	48	56	31	22	24	45
17	22	31	129	210	69	70	40	53	40	21	20	25
18	21	30	146	145	69	63	100	69	34	25	19	18
19	20	31	81	454	62	59	153	58	27	20	19	24
20	20	34	62	312	59	56	84	48	23	30	20	14
21	20	158	51	153	58	58	49	40	21	54	20	12
22	20	1170	46	119	57	62	37	35	20	40	21	12
23	20	712	45	107	57	56	33	31	19	38	21	11
24	20	450	47	264	55	60	31	31	19	54	21	11
25	101	300	48	993	53	87	30	28	19	90	22	10
26	207	220	44	600	132	65	32	26	16	52	21	12
27	75	170	41	213	115	53	28	25	18	60	19	30
28	43	224	39	153	413	47	26	24	18	54	19	28
29	34	176	92	127	---	43	25	24	19	40	20	21
30	30	491	344	120	---	39	25	23	26	30	23	17
31	28	---	180	168	---	36	---	22	---	24	38	---
TOTAL	1254	5351	2909	6191	3543	3807	1909	6104	2274	1124	753	648
MEAN	40.5	178	93.8	200	127	123	63.6	197	75.8	36.3	24.3	21.6
MAX	207	1170	344	993	438	573	440	1460	586	90	64	45
MIN	20	27	39	58	53	36	25	22	16	16	17	10
CFSM	.78	3.41	1.80	3.83	2.43	2.36	1.22	3.77	1.45	.70	.47	.41
IN.	.89	3.81	2.07	4.41	2.52	2.71	1.36	4.35	1.62	.80	.54	.46
CAL YR 1977	TOTAL	40396	MEAN	111	MAX	2160	MIN	10	CFSM	2.13	IN	28.79
WTR YR 1978	TOTAL	35867	MEAN	98.3	MAX	1460	MIN	10	CFSM	1.88	IN	25.56

PASCAGOULA RIVER BASIN

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

WATER-QUALITY RECORDS

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

REMARKS.--Samples are collected by a local observer.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)
OCT 16...	1530	24	26	5.9	16.5	9.2	440	60	180	4	0
DEC 10...	1500	65	28	6.4	8.0	10.5	160	20	60	4	2
JAN 30...	1500	116	22	7.0	6.0	10.8	150	10	60	3	0
APR 01...	1830	34	28	7.2	18.0	8.8	60	10	20	4	0
JUN 05...	1100	68	38	6.5	22.5	7.7	80	15	25	4	2
AUG 06...	1900	20	18	7.0	28.5	7.2	60	10	20	3	--

DATE	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)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT 16...	.9	.4	3.0	59	.7	.5	5	0	4	10	3.1
DEC 10...	.8	.4	2.0	50	.5	.5	2	0	2	1.0	3.2
JAN 30...	.7	.4	2.0	52	.5	.5	4	0	3	.6	2.2
APR 01...	.8	.4	4.1	70	.9	.1	8	0	7	.8	3.1
JUN 05...	.9	.5	2.2	49	.5	.6	--	--	2	--	4.1
AUG 06...	.4	.4	2.0	57	.5	.5	--	--	--	--	2.4

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
OCT 16...	3.6	.0	13	31	27	.04	2.01	.07	.01	4	.26
DEC 10...	4.3	.2	9.5	29	22	.04	5.09	.04	.01	8	1.4
JAN 30...	3.7	.0	8.4	28	20	.04	8.77	.05	.01	6	1.7
APR 01...	4.4	.0	8.8	38	26	.05	3.49	.06	.00	10	.92
JUN 05...	3.1	.0	9.4	41	22	.06	7.53	.05	.01	18	3.3
AUG 06...	3.7	.0	11	30	--	.04	1.62	--	--	20	1.1

02479155 CYPRESS CREEK NEAR JANICE, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	ARSENIC TOTAL (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT 16...	0	100	0	<10	30	330	20
APR 01...	2	0	0	<10	20	290	3

DATE	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	SFLE- NIUM, TOTAL (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	CYANIDE TOTAL (MG/L AS CN)
OCT 16...	30	<.5	0	0	10	.00
APR 01...	80	<.5	0	0	20	.00

RADIOCHEMICAL ANALYSES, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SOLIDS, RESIDUE AT 105 DEG. C, DIS- SOLVED (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	GROSS ALPHA, TOTAL SOLVED AS U-NAT (UG/L)	GROSS ALPHA, TOTAL SOLVED AS U-NAT (UG/L)	GROSS BETA, DIS- SOLVED AS CS-137 (PCI/L)	GROSS BETA, DIS- SOLVED AS CS-137 (PCI/L)	GROSS BETA, DIS- SOLVED AS YT-90 (AS SR/)	GROSS BETA, DIS- SOLVED AS YT-90 (AS SR/)	RADIUM 226, DIS- SOLVED, METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRAC- TION (UG/L)
OCT 16...	29	<1	1.1	<.4	1.3	<.4	1.3	<.4	.12	.17

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)
OCT 16...	.0	0	.00	.00	.0	.0	0	.00	.0	.00

DATE	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 16...	.0	.00	.0	.00	.00	.0	.00	.00	.0

DATE	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
OCT 16...	.00	.00	.0	.00	.0	.00	.0	.00	.00

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 16...	.00	.00	.00	0	0	.00	.00	.00	.00

PASCAGOULA RIVER BASIN

02479160 BLACK CREEK NEAR WIGGINS, MS

LOCATION.--Lat 30°51'12", long 88°54'49", in SW¼ 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 (2.7 km) downstream from Flat Branch, 8.6 mi (13.8 km) upstream from Sweetwater Creek, and 13.4 mi (21.6 km) east of Wiggins.

DRAINAGE AREA.--730 mi² (1,890 km²), approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 48.94 ft (14.917 m) (revised) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--7 years, 1465 ft³/s (41.49 m³/s), 27.25 in/yr (692 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 25,000 ft³/s (708 m³/s) Apr. 15, 1974, gage height, 25.55 ft (7.788 m); minimum, 164 ft³/s (4.64 m³/s) Oct. 19, 20, 1972, gage height, 3.80 ft (1.158 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--A flood (believed to be that of July 1916) reached a stage of 30.5 ft or 9.30 m, from Mississippi State Highway Department plans. The flood of June 3, 1959, reached a stage of 25.88 ft (7.888 m), and the flood of Feb. 19, 1961, 25.83 ft (7.873 m) from floodmarks; discharge, about 26,000 ft³/s (736 m³/s), based on peak data at sites upstream and downstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 7,000 ft³/s (198 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Nov. 23	2000	8300 235	19.55 5.959	May 10	2330	7610 216	18.79 5.727
Jan. 26	2330	8560 242	19.84 6.047	June 11	0130	8910 252	20.21 6.160
May 5	1500	*9430 267	20.73 6.318				

Minimum discharge, 227 ft³/s (6.43 m³/s) Sept. 25, 26, gage height, 4.48 ft (1.366 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1170	668	4420	1900	2680	3560	615	500	406	471	951	639
2	813	639	3380	1540	4350	2230	587	1000	389	443	751	431
3	839	1100	2180	1310	4630	1820	562	3000	463	399	578	351
4	788	1100	1760	1220	3130	2360	545	7000	1090	344	476	313
5	630	1540	1530	1060	2340	1690	531	9280	1620	365	418	291
6	550	2530	1330	967	1980	1340	515	8770	1240	356	382	274
7	499	2020	1120	1060	1730	1450	507	4770	1750	370	448	257
8	461	1510	997	1660	1540	4390	499	2720	4360	570	598	247
9	515	1240	967	3700	1410	4790	486	3930	7270	492	712	245
10	700	1500	980	2330	1340	2560	468	7000	8820	436	748	243
11	1300	1420	954	1560	1280	1790	486	7300	8070	804	656	243
12	1100	1070	900	1340	1220	1500	884	5000	2830	990	1030	239
13	950	852	874	1490	1350	1310	1330	3500	2250	624	1000	255
14	820	739	984	1420	1600	1290	987	3000	1760	453	1400	322
15	810	676	1310	1210	1320	1390	776	2300	1100	461	1600	423
16	624	644	1220	1080	1170	1240	900	1500	871	1120	1200	656
17	515	627	1200	1450	1110	1100	1050	1100	764	935	751	502
18	466	601	1710	1830	1070	984	1200	945	700	685	590	408
19	436	587	1580	2710	1030	903	1150	1020	630	479	481	340
20	416	607	1290	4190	980	849	1050	987	564	466	426	324
21	399	893	1140	2820	945	829	900	881	510	499	411	305
22	384	4590	964	1900	909	839	740	785	473	406	507	270
23	372	7760	849	1610	884	820	620	653	441	974	441	249
24	367	6510	810	1960	865	785	560	595	411	1270	426	235
25	479	2860	801	5890	842	967	580	537	391	852	399	227
26	3080	1840	820	8210	1030	1070	540	486	375	881	360	231
27	3810	1480	792	6770	1530	906	470	456	367	1760	338	446
28	2690	1400	745	4320	2100	804	430	451	347	2010	342	845
29	1540	2220	795	2780	---	736	400	494	338	1200	365	531
30	1090	3010	2480	2170	---	682	390	456	408	1430	441	391
31	792	---	2850	2160	---	644	---	421	---	1340	770	---
TOTAL	29405	54233	43732	75617	46365	47628	20758	80837	51008	23885	19996	10733
MEAN	949	1808	1411	2439	1656	1536	692	2608	1700	770	645	358
MAX	3810	7760	4420	8210	4630	4790	1330	9280	8820	2010	1600	845
MIN	367	587	745	967	842	644	390	421	338	344	338	227
CFSM	1.30	2.48	1.93	3.34	2.27	2.10	.95	3.57	2.33	1.06	.88	.49
IN.	1.50	2.76	2.23	3.85	2.36	2.43	1.06	4.12	2.60	1.22	1.02	.55

CAL YR 1977	TOTAL	512120	MEAN	1403	MAX	9320	MIN	182	CFSM	1.92	IN	26.10
WTR YR 1978	TOTAL	504197	MEAN	1381	MAX	9280	MIN	227	CFSM	1.89	IN	25.69

02479300 RED CREEK AT VESTRY, MS

LOCATION.--Lat 30°44'10", long 88°46'50", in SW¼SW¼ sec.34, T.3 S., R.8 W., St. Stephens Meridian, George County, Hydrologic Unit 03170007, near center of channel on downstream side of bridge on county highway, 0.5 mi (0.8 km) north of Vestry, and 1.1 mi (1.8 km) upstream from Little Red Creek.

DRAINAGE AREA.--416 mi² (1,077 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 20.10 ft (6.126 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--20 years, 846 ft³/s (23.96 m³/s), 27.62 in/yr (702 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 21,500 ft³/s (609 m³/s) Dec. 12, 1961; maximum gage height, 18.78 ft (5.724 m) Apr. 28, 1964; minimum discharge, 88 ft³/s (2.49 m³/s) Oct. 22, 1963, gage height, 3.22 ft (0.981 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft³/s (113 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 26	2300	*8550 242	15.38 4.688	June 10	1130	4020 114	13.78 4.200
May 6	2330	6400 181	14.58 4.444				

Minimum discharge, 214 ft³/s (6.06 m³/s) Sept. 26, gage height, 4.62 ft (1.408 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	800	349	2110	2000	2100	1730	424	310	301	369	542	676
2	650	331	2280	1320	2550	1630	406	300	484	317	435	451
3	550	453	1660	930	2890	1440	391	1000	509	287	365	342
4	574	654	1230	740	2530	1270	380	5000	937	262	317	287
5	522	1320	967	650	2020	994	372	6060	896	451	281	256
6	456	1730	819	760	1600	819	364	6170	674	347	255	236
7	412	1420	711	1330	1280	969	357	4690	932	298	238	243
8	384	1000	631	1570	1130	2390	352	2340	1920	320	260	249
9	369	813	598	2200	1030	2970	344	2200	3160	352	456	248
10	360	810	619	2470	964	2540	332	2890	3930	341	486	245
11	444	702	610	1790	883	1840	337	4580	3830	572	433	249
12	638	594	578	1240	822	1270	700	5600	3030	1230	394	250
13	722	522	548	1210	891	984	1990	3340	1560	608	449	249
14	600	467	562	1160	1140	935	1500	1670	848	429	546	265
15	513	435	659	972	1010	987	1000	949	654	382	1170	269
16	451	417	678	843	822	896	600	737	540	359	1540	275
17	410	405	640	1250	722	737	520	610	471	352	1490	318
18	386	398	876	1540	713	650	800	598	438	301	785	334
19	370	406	972	1900	680	600	1200	672	413	268	469	299
20	360	401	762	2510	631	570	1400	693	372	269	375	274
21	347	444	617	2600	592	554	1250	619	341	272	336	258
22	326	1780	530	1960	558	562	1000	513	318	321	313	242
23	312	2980	484	1490	534	568	700	444	301	321	321	232
24	307	3740	460	1720	518	538	450	396	292	503	398	225
25	352	2510	456	4690	503	556	350	392	287	570	440	220
26	429	1500	451	7440	534	648	370	352	299	528	360	216
27	657	957	431	7930	709	619	350	342	410	1070	306	221
28	778	787	412	5750	1190	542	340	382	321	1610	275	274
29	713	908	449	3200	---	494	330	362	269	860	278	619
30	490	1300	1530	2020	---	462	320	344	277	689	350	640
31	386	---	2310	1830	---	438	---	304	---	646	755	---
TOTAL	15068	30533	26640	69015	31546	32202	19229	54859	29014	15504	15418	9162
MEAN	486	1018	859	2226	1127	1039	641	1770	967	500	497	305
MAX	800	3740	2310	7930	2890	2970	1990	6170	3930	1610	1540	676
MIN	307	331	412	650	503	438	320	300	269	262	238	216
CFSM	1.17	2.45	2.07	5.35	2.71	2.50	1.54	4.26	2.33	1.20	1.20	.73
IN.	1.35	2.73	2.38	6.17	2.82	2.88	1.72	4.91	2.59	1.39	1.38	.82

CAL YR 1977 TOTAL 339118 MEAN 929 MAX 6120 MIN 149 CFSM 2.23 IN 30.32
WTR YR 1978 TOTAL 348190 MEAN 954 MAX 7930 MIN 216 CFSM 2.29 IN 31.14

PASCAGOULA RIVER BASIN

02479560 ESCATAWPA RIVER NEAR AGRICOLA, MS

LOCATION.--Lat 30°48'32", long 88°27'41", in Swk 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, 6.7 mi (10.8 km) west of Wilmer, Ala., 2.5 mi (4.0 km) west of Alabama-Mississippi State line, 3.7 mi (6.0 km) east of Agricola, Miss., and 4.8 mi (7.7 km) below old gage at Escatawpa River near Wilmer, Ala.

DRAINAGE AREA.--556 mi² (1,440 km²).

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

GAGE.--Water-stage recorder. Altitude of gage is 50 ft (15 m).

REMARKS.--Water-discharge record good.

AVERAGE DISCHARGE.--5 years (water years 1974-78), 1282 ft³/s (36.31 m³/s), 31.31 in/yr (795 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,000 ft³/s (312 m³/s) June 11, 1978, gage height, 18.10 ft (5.517 m); minimum daily, 140 ft³/s Aug. 25., 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of March 1929 reached an elevation of 72.0 ft (21.95 m) ±1.0 ft (0.30 m), 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 discharge above base of 5,000 ft³/s (142 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Nov. 29	0100	5490 155	15.01 4.575	May 5	1400	7260 206	16.23 4.947
Jan. 26	1600	8980 254	17.09 5.209	June 11	1700	*11000 312	*18.10 5.517

Minimum discharge, 189 ft³/s (5.352 m³/s) Sept. 9, 10, 23, 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	431	341	2650	2200	2620	2610	495	386	523	326	713	274
2	411	311	2340	1770	3460	2110	477	398	790	296	867	254
3	443	864	1970	1420	3650	1820	459	1800	1120	267	678	232
4	427	1110	1700	1200	3100	1840	446	5860	2760	260	577	221
5	393	1720	1550	1040	2570	1660	438	7140	3310	372	534	209
6	344	2850	1310	933	2210	1410	425	7040	3560	345	466	198
7	307	2330	1120	858	1900	1420	417	6700	3720	414	648	199
8	285	1700	992	1300	1590	3590	412	5390	3490	397	653	196
9	319	1370	951	2160	1350	4220	398	4060	5470	413	1090	192
10	357	1330	912	1840	1210	3430	385	4360	8100	452	811	190
11	370	1070	807	1440	1120	2490	437	4450	10700	801	697	197
12	482	846	732	1210	1050	1970	846	4120	9550	962	567	202
13	409	684	689	1310	1230	1610	3310	3400	7030	896	487	197
14	375	573	858	1290	1510	1420	3880	2720	4760	574	1560	208
15	350	516	958	1170	1360	1270	2890	1900	2570	494	973	239
16	320	503	952	1010	1190	1090	1910	1420	1380	437	599	525
17	285	506	980	1320	1070	947	1420	1230	1210	563	451	479
18	263	487	1400	1630	1040	849	1430	1140	1250	627	478	330
19	250	513	1510	2030	979	777	2620	1040	882	450	523	260
20	239	556	1440	2640	895	722	2390	1050	687	475	508	229
21	229	578	1200	2610	834	691	1550	1030	565	426	446	208
22	222	2030	1030	2380	784	726	988	873	499	365	474	195
23	217	5050	920	2120	751	693	733	747	447	343	631	192
24	216	5320	840	2440	726	673	627	697	421	381	452	191
25	536	4480	736	6190	703	653	564	572	388	357	337	200
26	1070	3440	631	8710	759	643	531	536	391	382	277	230
27	860	2180	580	8160	833	622	495	548	529	795	254	335
28	738	1770	558	6580	1430	590	457	514	386	834	252	447
29	585	1590	595	5140	---	562	473	473	329	654	247	473
30	465	2010	1670	3730	---	538	401	431	334	499	238	449
31	389	---	2390	2760	---	516	---	399	---	658	261	---
TOTAL	12587	48628	36971	80591	41924	44162	32255	72424	77171	15515	17749	7951
MEAN	406	1621	1193	2600	1497	1425	1075	2336	2572	500	573	265
MAX	1070	5320	2650	8710	3650	4220	3880	7140	10700	962	1560	525
MIN	216	311	558	858	703	516	385	386	329	260	238	190
CFSM	.73	2.92	2.15	4.68	2.69	2.56	1.93	4.20	4.63	.90	1.03	.48
IN.	.84	3.25	2.47	5.39	2.80	2.95	2.16	4.85	5.16	1.04	1.19	.53

CAL YR 1977	TOTAL	428338	MEAN	1174	MAX	7640	MIN	157	CFSM	2.11	IN	28.66
WTR YR 1978	TOTAL	487928	MEAN	1337	MAX	10700	MIN	190	CFSM	2.41	IN	32.65

02480250 BLUFF CREEK NEAR VANCLEAVE, MS

LOCATION.--Lat 30°32'52", long 88°42'56", in SE¼ sec.6, T.6 S., R.7 W., St. Stephens Meridian, Jackson County, Hydrologic Unit 03170006, on right bank of stream, 0.1 mi (0.2 km) upstream from home of Grace Retreat, 2.1 mi (3.4 km) northwest of Vancleave.

DRAINAGE AREA.--52 mi² (135 km²).

PERIOD OF RECORD.--Occasional discharge measurements. Water years 1953, 1955, 1958-61, 1963. June 1974 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1.97 ft (0.600 m) National Geodetic Vertical Datum of 1929. July 1948 to 1961, nonrecording gage at same site and different datum.

REMARKS.--Records good below 200 ft³/s (5.66 m³/s) and fair above.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,020 ft³/s (142 m³/s) Jan. 25, 1978, gage height, 19.51 ft (5.947 m); gage height, 20.71 ft (6.312 m) July 31, 1975; minimum discharge, 13 ft³/s (0.37 m³/s) June 11, 12, 1977, gage height, 4.12 ft (1.260 m).

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,300 ft³/s (37 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Nov. 23	0330	1940 54.9	14.81 4.514	Mar. 8	1200	1410 39.9	12.73 3.880
Jan. 25	1845	*5020 142	19.51 5.947	May 4	0100	3970 112	18.80 5.730

Minimum discharge, 22 ft³/s (0.62 m³/s) June 29, gage height, 4.24 ft (1.292 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FFB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	34	354	209	429	377	43	34	37	40	182	248
2	111	37	200	145	715	182	42	33	66	39	104	140
3	117	81	142	116	475	293	41	1280	141	35	65	96
4	75	103	117	101	283	264	40	1970	253	72	43	80
5	60	174	109	91	213	156	38	439	312	481	43	66
6	54	257	98	85	176	124	37	201	169	277	76	57
7	49	161	85	82	154	264	37	160	126	100	139	51
8	47	94	77	214	141	1130	37	208	233	85	109	46
9	45	96	72	378	129	473	34	374	801	82	142	38
10	43	141	68	184	119	244	34	578	330	90	244	31
11	127	103	65	124	109	176	40	233	146	157	177	29
12	263	74	62	114	104	148	142	140	108	147	105	28
13	135	62	62	208	137	129	980	109	115	110	160	27
14	78	55	113	179	159	131	489	90	101	164	208	27
15	62	51	122	125	114	127	180	76	84	162	156	26
16	53	56	90	106	98	104	110	65	68	135	90	26
17	47	58	161	267	91	89	87	63	59	78	104	29
18	43	57	273	310	104	82	77	70	65	48	104	31
19	41	84	157	439	108	76	528	68	58	34	74	32
20	40	93	114	523	92	72	179	61	50	29	65	31
21	37	134	101	280	84	70	95	56	43	28	57	29
22	36	640	85	186	78	71	76	50	39	53	46	28
23	34	1350	76	162	74	71	65	44	35	46	39	26
24	34	427	71	761	69	65	58	42	36	37	39	25
25	50	233	68	4150	66	63	53	39	45	57	37	23
26	70	161	68	1850	63	60	48	36	35	107	32	23
27	58	126	64	544	64	56	43	48	31	249	29	27
28	46	191	58	330	221	54	40	70	28	180	29	45
29	41	223	84	249	---	52	36	54	25	270	37	49
30	38	299	476	217	---	49	35	45	55	193	191	48
31	35	---	455	293	---	47	---	39	---	270	619	---
TOTAL	2045	5655	4147	13022	4669	5299	3744	6775	3694	3855	3545	1462
MEAN	66.0	189	134	420	167	171	125	219	123	124	114	48.7
MAX	263	1350	476	4150	715	1130	980	1970	801	481	619	248
MIN	34	34	58	82	63	47	34	33	25	28	29	23
CFSM	1.27	3.64	2.58	8.08	3.21	3.29	2.40	4.21	2.37	2.39	2.19	.94
IN.	1.46	4.05	2.97	9.32	3.34	3.79	2.68	4.85	2.64	2.76	2.54	1.05
CAL YR 1977	TOTAL	44634	MEAN 122	MAX 2000	MIN 13	CFSM 2.35	IN 31.93					
WTR YR 1978	TOTAL	57912	MEAN 159	MAX 4150	MIN 23	CFSM 3.06	IN 41.43					

BILOXI RIVER BASIN

02481000 BILOXI RIVER AT WORTHAM, MS

LOCATION.--Lat 30°33'30", long 89°07'20", in SE¼SE¼ 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 (1.3 km) east of Wortham, 1 mi (1.6 km) downstream from Illinois Central Railroad bridge, 1 mi (1.6 km) upstream from Saucier Creek, and 4.2 mi (6.8 km) north of Lyman.

DRAINAGE AREA.--96.1 mi² (248.9 km²).

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

REVISED RECORDS.--WRD Miss. 1972: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 19.18 ft (5.846 m) Mississippi State Highway Department datum. Prior to Oct. 1, 1977, at datum 2.00 ft higher.

REMARKS.--Records good prior to June 15 and poor thereafter. No gage-height record Aug. 15 to Sept. 30.

AVERAGE DISCHARGE.--26 years, 184 ft³/s (5.211 m³/s), 26.00 in/yr (660 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,420 ft³/s (238 m³/s) Apr. 27, 1964; maximum gage height, 23.08 ft present datum, Sept. 18, 1957; minimum discharge, 1.1 ft³/s (0.031 m³/s) Oct. 21, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1948 reached a stage of 25.3 ft (7.71 m) 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 (2.59 m) higher than that of Sept. 18, 1957, at a point about 1 mi (1.6 km) upstream, from information by local residents.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 2,000 ft³/s (56.6 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 25	1700	4930 140	17.64 5.377	July 26	1630	2640 74.8	12.43 3.789
May 3	1700	*5320 151	18.43 5.617				

Minimum daily discharge, 14 ft³/s (0.40 m³/s) Sept. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	21	591	313	704	372	45	27	35	30	124	200
2	63	25	332	193	1030	205	43	26	30	26	76	100
3	51	77	207	150	701	299	40	2900	50	25	55	70
4	45	198	168	127	422	240	38	2900	90	40	52	50
5	38	741	157	112	309	159	37	1280	144	58	51	40
6	32	479	147	105	258	127	36	380	94	43	93	33
7	28	230	109	103	223	552	35	298	132	58	163	27
8	26	136	93	481	200	1400	35	380	1210	89	258	24
9	24	164	90	628	181	782	34	837	1050	53	221	22
10	24	231	124	367	168	385	31	617	448	40	157	20
11	140	145	111	202	154	258	51	397	166	50	345	40
12	184	99	86	197	142	212	289	216	193	45	245	25
13	108	77	79	293	207	179	1070	174	108	35	872	30
14	63	65	100	213	210	207	508	134	71	30	646	25
15	43	57	132	159	154	193	210	102	51	28	633	20
16	34	53	103	140	129	139	125	82	42	26	300	60
17	33	51	129	432	119	111	94	74	36	25	150	40
18	31	49	163	356	139	96	220	103	32	24	80	30
19	28	65	122	957	127	89	453	125	30	23	50	26
20	24	76	91	765	108	83	216	102	45	22	40	21
21	21	220	76	440	97	91	109	78	35	45	35	25
22	20	1450	65	270	90	117	78	63	30	97	50	20
23	20	1200	58	250	85	100	61	54	27	108	100	17
24	20	694	57	1380	81	83	53	45	25	136	60	15
25	27	296	60	4600	78	94	50	40	45	359	45	14
26	37	207	59	3190	77	102	49	36	35	1750	35	15
27	36	161	53	1240	78	78	44	34	30	746	30	20
28	30	149	48	569	278	65	37	32	28	341	28	70
29	26	174	115	387	---	58	32	58	27	299	35	50
30	23	606	817	332	---	53	29	64	40	374	80	35
31	21	---	606	475	---	49	---	48	---	226	400	---
TOTAL	1400	8196	5148	19426	6549	6978	4152	11706	4379	5251	5509	1184
MEAN	45.2	273	166	627	234	225	138	378	146	169	178	39.5
MAX	184	1450	817	4600	1030	1400	1070	2900	1210	1750	872	200
MIN	20	21	48	103	77	49	29	26	25	22	28	14
CFSM	.47	2.84	1.73	6.52	2.44	2.34	1.44	3.93	1.52	1.76	1.85	.41
IN.	.54	3.17	1.99	7.52	2.54	2.70	1.61	4.53	1.70	2.03	2.13	.46

CAL YR 1977 TOTAL 80829.1 MEAN 221 MAX 3500 MIN 6.4 CFSM 2.30 IN 31.29

WTR YR 1978 TOTAL 79878.0 MEAN 219 MAX 4600 MIN 14 CFSM 2.28 IN 30.92

02481510 WOLF RIVER NEAR LONDON, 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 (0.5 km) downstream from Sandy Creek, 1.3 mi (2.1 km) upstream from Pole Branch, and 11 mi (17.7 km) northwest of London.

DRAINAGE AREA.--308 mi² (798 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1971 to current year. Occasional discharge measurements, water years 1964-66.

GAGE.--Water-stage recorder. Datum of gage is 21.34 ft (6.504 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--7 years, 695 ft³/s (19.68 m³/s), 30.64 in/yr (778 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge about 13,200 ft³/s (374 m³/s) Mar. 24 or 25, 1973, gage height, 16.5 ft (5.03 m) from reconstructed graph; minimum, 44 ft³/s (1.25 m³/s) Oct. 18-22, 1972; minimum gage height, 1.32 ft (0.402 m) July 21, 1973.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 27, 1964, reached a stage of 21.06 ft (6.419 m). The flood of 1920 reached a stage about 5 ft (1.5 m) higher than that of April 1964, from information by local resident.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 4,000 ft³/s (113 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Jan. 25	1530	9450	268	13.17	4.014	June 9	2300	4110	116	7.24	2.207
May 3	1500	*12400	351	15.88	4.840						

Minimum daily discharge, 80 ft³/s (2.27 m³/s) June 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	465	158	2230	1440	2020	1120	143	96	80	242	663	316
2	378	168	1780	900	2750	750	134	95	93	209	332	210
3	341	254	1250	572	2270	806	128	6620	134	206	236	190
4	333	407	909	402	1750	719	123	7300	392	193	200	160
5	261	1530	674	324	1300	459	121	3700	612	732	190	140
6	227	1650	522	280	936	350	117	2050	316	228	180	130
7	202	1010	407	422	711	1080	115	1270	244	211	200	120
8	190	579	341	1880	598	3010	111	1150	1760	277	410	115
9	199	559	320	2520	516	2220	107	2030	3470	186	653	110
10	187	572	383	1710	465	1540	104	3700	3010	176	575	150
11	528	407	359	874	417	971	184	2660	1670	196	367	284
12	682	316	307	653	383	653	522	1590	1110	225	1350	209
13	465	269	280	955	535	493	2480	848	737	183	773	245
14	303	224	364	711	798	482	2000	482	548	245	1450	239
15	233	202	566	476	493	598	996	328	449	506	1820	231
16	187	190	449	383	378	397	438	258	385	374	1630	566
17	163	184	465	909	333	307	280	237	336	206	937	370
18	150	184	882	1050	333	258	299	254	319	176	477	248
19	143	208	750	2640	307	227	1410	359	316	160	287	176
20	139	291	454	2470	280	211	988	324	287	150	233	146
21	134	1140	355	1740	254	211	412	247	259	140	220	129
22	130	2920	295	1060	237	247	247	170	242	140	245	120
23	125	2680	261	822	227	237	179	120	259	253	625	110
24	125	1740	247	2920	217	211	153	100	277	299	457	100
25	155	1090	244	8520	208	316	136	95	418	648	265	95
26	316	726	240	5590	211	359	128	90	332	441	200	157
27	499	505	227	3050	244	265	117	85	256	3030	180	256
28	359	470	211	2130	585	214	111	220	211	1740	170	653
29	299	927	373	1600	---	179	102	150	176	788	160	942
30	220	1880	2390	1150	---	163	98	110	198	570	437	597
31	176	---	2120	1500	---	150	---	90	---	983	461	---
TOTAL	8314	23440	20655	51653	19756	19203	12483	36828	18896	14113	16383	7514
MEAN	268	781	666	1666	706	619	416	1188	630	455	528	250
MAX	682	2920	2390	8520	2750	3010	2480	7300	3470	3030	1820	942
MIN	125	158	211	280	208	150	98	85	80	140	160	95
CFSM	.87	2.54	2.16	5.41	2.29	2.01	1.35	3.86	2.05	1.48	1.71	.81
IN.	1.00	2.83	2.49	6.24	2.39	2.32	1.51	4.45	2.28	1.70	1.98	.91

CAL YR 1977 TOTAL 233275 MEAN 639 MAX 7000 MIN 54 CFSM 2.08 IN 28.17
WTR YR 1978 TOTAL 249238 MEAN 683 MAX 8520 MIN 80 CFSM 2.22 IN 30.10

WOLF RIVER BASIN

02481510 WOLF RIVER NEAR LANDON, MS--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1964-66, 1978 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1978 to current year.

WATER TEMPERATURE: May 1978 to current year.

INSTRUMENTATION.--Specific conductance/temperature recorder since May 1978.

REMARKS.--Specific conductance listed as 30 micromhos represent 30 micromhos or less due to instrument limitations.
Interruptions in the record were due to malfunctions of the instrument.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 32 micromhos May 12, 1965; minimum, 20 micromhos Jan. 6, 1966.

WATER TEMPERATURE: Maximum, 25.5°C Oct. 14, 1965; minimum, 9.0°C Dec. 1, 1965.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURE: Maximum, 35.0°C July 4; minimum, 17.0°C May 5.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CaCO3)	HARD- NESS, NONCAR- BONATE (MG/L CaCO3)
JAN											
06...	1100	280	28	6.4	13.0	8.0	9.9	120	120	5	2
FEB											
08...	1100	598	26	5.5	6.0	7.0	11.2	K19	K31	5	1
MAR											
02...	1200	726	28	5.6	13.0	15	7.6	150	K26	5	2
30...	1400	160	30	5.9	18.0	5.0	8.3	270	K31	5	0
MAY											
03...	1330	12100	19	5.3	18.0	250	8.1	K13000	K17000	4	1
JUN											
15...	0900	444	29	5.9	24.0	5.0	7.1	210	K38	6	3
JUL											
12...	1230	219	32	6.7	29.5	5.0	6.7	250	K17	5	2
AUG											
03...	1400	224	38	5.9	34.0	6.0	6.1	300	K70	6	0
SEP											
08...	1230	116	32	5.7	28.0	3.0	6.5	250	300	5	2

DATE	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)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CaCO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
JAN											
06...	1.2	.5	3.0	52	.6	.8	4	0	3	2.5	2.1
FEB											
08...	1.0	.6	2.4	47	.5	.7	5	0	4	25	3.4
MAR											
02...	1.2	.6	2.2	43	.4	.7	4	0	3	16	7.3
30...	.9	.6	2.8	50	.6	1.0	10	0	8	20	3.4
MAY											
03...	.8	.4	1.2	33	.3	1.3	3	0	2	24	3.3
JUN											
15...	1.3	.6	2.3	42	.4	.9	4	--	3	8.1	3.4
JUL											
12...	1.1	.6	2.7	48	.5	1.0	--	--	3	--	3.3
AUG											
03...	1.4	.6	3.4	42	.6	3.3	--	--	6	--	3.3
SEP											
08...	1.0	.6	2.9	50	.6	1.0	--	--	3	--	2.7

02481510 WOLF RIVER NEAR LANDON, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

	CHLORIDE, DIS- SOLVED (MG/L AS CL)	FLUORIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)
JAN 06...	4.4	.0	11	36	25	.05	27.2	.04	.01	--	--
FEB 08...	3.5	.0	8.5	29	23	.04	46.8	.09	.01	.36	.37
MAR 02...	3.6	.0	7.3	32	25	.04	62.7	.13	.00	.47	.47
MAR 30...	3.7	.0	9.7	29	27	.04	12.5	.02	.00	.54	.54
MAY 03...	3.0	.0	1.7	28	13	.04	915	.13	.10	1.2	1.3
JUN 15...	3.4	.0	10	44	24	.06	52.7	.03	.03	.40	.43
JUL 12...	4.7	.0	9.8	44	25	.06	26.0	.03	.11	.45	.56
AUG 03...	6.3	.1	6.8	46	29	.06	27.8	.27	.01	1.2	1.2
SEP 08...	4.2	.0	12	37	26	.05	11.6	.00	.00	.25	.25
DATE	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTOPLANKTON, TOTAL (CELLS PER ML)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT DISCHARGE, SUSPENDED (T/DAY)	
JAN 06...	--	.25	--	--	.01	.01	--	280	9	6.8	
FEB 08...	.11	.26	.46	2.0	.02	.02	4.4	--	30	48	
MAR 02...	.25	.22	.60	2.7	.01	.00	6.7	--	32	63	
MAR 30...	.34	.20	.56	2.5	.01	.02	--	260	12	5.2	
MAY 03...	.84	.46	1.4	6.3	.22	.03	9.2	--	834	27200	
JUN 15...	.12	.31	.46	2.0	.01	.00	4.3	67	31	37	
JUL 12...	.07	.49	.59	2.6	.01	.01	--	0	22	13	
AUG 03...	.00	1.2	1.5	6.5	.02	.01	11	49	83	50	
SEP 08...	.11	.14	.25	1.1	.01	.05	6.3	150	9	2.8	

WOLF RIVER BASIN

02481510 WOLF RIVER NEAR LANDON, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDE RECOV- ERABLE (UG/L AS CR)
JAN 06...	0	0	0	0	0	0	1	0	1	<10	<10
MAR 30...	0	0	0	0	0	0	0	0	0	30	29
JUL 12...	0	0	0	0	0	0	0	0	5	10	9

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDE RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
JAN 06...	0	0	0	0	6	4	2	390	--	180
MAR 30...	1	0	0	0	3	0	3	470	--	170
JUL 12...	1	2	2	0	1	0	1	610	380	230

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)
JAN 06...	7	5	2	30	0	30	<.5	.0	<.5	0
MAR 30...	3	0	3	20	0	20	<.5	.0	<.5	0
JUL 12...	27	3	24	30	0	30	.5	.0	.5	0

DATE	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)
JAN 06...	0	0	0	0	0	30	20	10	25	.2
MAR 30...	0	0	0	0	0	20	0	20	15	1.1
JUL 12...	0	0	0	0	0	10	0	10	6.1	1.0

WOLF RIVER BASIN

125

02481510 WOLF RIVER NEAR LANDON, MS--Continued
 PHYTOPLANKTON ANALYSES, OCTOBER 1977 TO SEPTEMBER 1978

DATE TIME	JAN 6,78 1100	MAR 30,78 1400	JUN 15,78 0900	JUL 12,78 1230	AUG 3,78 1400	SEP 8,78 1230
TOTAL CELLS/ML	280	260	67	0	49	150
DIVERSITY: DIVISION	0.4	1.7	0.9	0.0	0.8	1.6
..CLASS	0.4	1.7	0.9	0.0	0.8	1.6
..ORDER	0.5	1.9	0.9	0.0	0.8	1.9
...FAMILY	0.5	2.1	0.9	0.0	1.6	2.5
....GENUS	0.5	2.1	0.9	0.0	2.3	2.7

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)												
..CHLOROPHYCEAE												
...CHLOROCOCCALES												
...HYDRODICTYACEAE												
....PEDIASTRUM	--	-	--	-	--	-	--	-	3	6	--	-
....DOCYSTACEAE												
....ANKISTRODESMUS	--	-	14	6	--	-	--	-	4	8	7	5
....CHODATELLA	--	-			--	-	--	-	--	-	2	1
...SCFNDESMAEAE												
....CRUCIGENIA	--	-	--	-	--	-	--	-	11#	22	7	5
....SCENEDESMUS	--	-	--	-	45#	67	--	-	22#	44	21	14
...VOLVOCALES												
...CHLAMYDOMONADACEAE												
....CHLAMYDOMONAS	--	-	29	11	--	-	--	-	--	-	--	-
...ZYGNEMATALES												
...DESMIDIACEAE												
...CLOSTERIUM	--	-	--	-	--	-	--	-	--	-	9	6
CHRYSDOPHYTA												
..BACILLARIOPHYCEAE												
...CENTRALES												
...COSCINODISCACEAE												
....CYCLOTELLA	7	3	--	-	--	-	--	-	--	-	5	3
...PENNALFS												
...ACHNANTHACEAE												
...COCCONEIS	--	-	--	-	--	-	--	-	--	-	2	1
...CYMBELLACEAE												
...CYMBELLA	--	-	--	-	--	-	--	-	--	-	7	5
...FUNOTIACEAE												
...EUNOTIA	--	-	--	-	--	-	--	-	--	-	2	1
...FRAGILARIACEAE												
...SYNEORA	--	-	71#	28	--	-	--	-	--	-	--	-
...NAVICULACEAE												
...NAVICULA	15	5	14	6	22#	33	--	-	3	6	16	10
...NITZSCHACEAE	--	-	--	-	--	-	--	-	5	11	4	2
...NITZSCHIA												
CYANOPHYTA (BLUE-GREEN ALGAE)												
..CYANOPHYCEAE												
...CHROOCOCCALES												
...CHROOCOCCACEAE												
...AGMENELIUM	--	-	110#	44	--	-	--	-	--	-	--	-
...HORMOGONALES												
...OSCILLATORIACEAE												
....LYNGBYA	260#	92	--	-	--	-	--	-	--	-	--	-
...OSCILLATORIA	--	-	--	-	--	-	--	-	--	-	71#	46
EUGLENOPHYTA (EUGLENOTIDS)												
..EUGLENOPHYCEAE												
...EUGLENALES												
...EUGLENACEAE												
....EUGLENA	--	-	--	-	--	-	--	-	--	-	2	1
PYRRHOPHYTA (FIRE ALGAE)												
..DINOPHYCEAE												
...GYMNODINIALES												
...GYMNODINIACEAE												
...GYMNODINIUM	--	-	--	-	--	-	--	-	1	3	--	-
...PERIDINIALES												
...PERIDINIACEAE												
....PERIDINIUM	--	-	14	6	--	-	--	-	--	-	--	-

NOTE: # = DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* = OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

WOLF RIVER BASIN

02481510 WOLF RIVER NEAR LANDON, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1										---	---	---
2										---	---	---
3										---	---	---
4										---	---	---
5										---	---	---
6										---	---	---
7										---	---	---
8										---	---	---
9										---	---	---
10										30	30	30
11										30	30	30
12										30	30	30
13										30	30	30
14										33	30	30
15										32	30	30
16										31	30	30
17										30	30	30
18										30	30	30
19										30	30	30
20										30	30	30
21										30	30	30
22										33	30	30
23										31	30	30
24										31	30	30
25										30	30	30
26										---	---	---
27										---	---	---
28										---	---	---
29										---	---	---
30										---	---	---
31										---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	34	31	32	---	---	---	30	30	30	41	35	38
2	35	31	32	---	---	---	30	30	30	48	40	44
3	32	30	31	---	---	---	38	30	31	44	31	36
4	31	30	30	---	---	---	33	31	32	39	33	36
5	30	30	30	---	---	---	35	32	33	42	36	38
6	36	30	30	---	---	---	36	33	34	46	38	41
7	33	30	30	---	---	---	36	32	34	---	---	---
8	30	30	30	---	---	---	32	30	30	40	32	35
9	30	30	30	---	---	---	32	30	30	40	35	37
10	30	30	30	---	---	---	39	30	30	45	36	40
11	30	30	30	---	---	---	34	30	32	46	39	41
12	30	30	30	---	---	---	35	30	30	48	42	46
13	30	30	30	34	31	32	30	30	30	53	44	48
14	30	30	30	41	31	35	30	30	30	51	44	47
15	40	30	31	---	---	---	30	30	30	52	41	46
16	---	---	---	---	---	---	30	30	30	48	38	42
17	---	---	---	---	---	---	30	30	30	44	33	38
18	---	---	---	---	---	---	30	30	30	40	33	37
19	---	---	---	---	---	---	32	30	31	43	35	39
20	---	---	---	---	---	---	34	32	33	51	37	45
21	---	---	---	---	---	---	35	34	35	---	---	---
22	---	---	---	---	---	---	36	34	35	---	---	---
23	---	---	---	---	---	---	36	33	34	---	---	---
24	---	---	---	---	---	---	35	32	34	---	---	---
25	---	---	---	---	---	---	35	33	34	---	---	---
26	---	---	---	---	---	---	38	35	37	---	---	---
27	---	---	---	---	---	---	46	39	43	---	---	---
28	---	---	---	30	30	30	48	45	46	---	---	---
29	---	---	---	30	30	30	52	47	50	---	---	---
30	---	---	---	30	30	30	51	43	47	48	31	40
31	---	---	---	30	30	30	43	37	40	---	---	---

02481510 WOLF RIVER NEAR LONDON, MS--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1										---	---	---
2										---	---	---
3										---	---	---
4										18.5	18.0	18.0
5										19.0	17.0	18.0
6										18.0	17.5	17.5
7										21.5	19.5	20.5
8										24.5	21.0	22.5
9										22.0	19.5	21.0
10										21.5	20.0	21.0
11										21.0	19.5	20.5
12										21.5	19.5	20.0
13										---	---	---
14										---	---	---
15										---	---	---
16										---	---	---
17										---	---	---
18										---	---	---
19										---	---	---
20										---	---	---
21										---	---	---
22										---	---	---
23										---	---	---
24										---	---	---
25										---	---	---
26										---	---	---
27										---	---	---
28										---	---	---
29										---	---	---
30										---	---	---
31										---	---	---
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	25.5	24.5	25.0	32.5	29.0	31.0	30.0	26.5	28.0	31.5	26.5	29.0
2	26.0	23.5	24.5	33.5	29.5	31.5	31.5	27.0	29.0	31.5	27.0	29.5
3	24.5	23.0	24.0	33.5	29.0	31.5	34.0	28.0	31.0	31.0	27.5	29.0
4	24.5	22.0	23.5	35.0	28.0	31.5	33.5	29.0	31.0	32.0	27.0	29.0
5	25.0	22.0	23.5	31.0	26.0	28.5	33.0	29.0	31.0	31.5	26.5	28.5
6	25.5	23.0	24.0	31.5	27.5	29.5	32.0	28.5	30.0	31.0	26.5	28.5
7	25.5	22.0	24.5	31.0	27.5	29.5	30.0	27.0	28.0	31.0	26.5	28.5
8	24.0	22.5	23.5	31.0	26.5	29.0	27.0	25.5	26.0	29.0	27.0	28.0
9	24.5	23.0	23.5	33.0	28.5	30.5	26.5	25.5	26.0	28.5	26.5	27.5
10	24.5	23.0	23.5	33.0	29.5	31.0	28.5	25.5	27.0	29.5	26.5	27.5
11	24.5	23.0	23.5	31.5	29.0	30.5	28.5	26.5	27.5	28.5	26.5	27.5
12	28.0	22.5	25.0	32.5	28.0	31.0	27.0	25.0	26.0	28.5	26.5	27.5
13	28.5	23.5	25.5	32.5	29.5	31.0	27.5	25.5	26.5	28.0	26.0	27.0
14	28.0	23.5	25.5	32.0	29.0	31.0	27.0	25.5	26.5	29.0	26.0	27.5
15	29.5	23.0	26.5	31.0	27.0	29.0	27.0	25.0	26.0	28.0	26.5	27.5
16	31.0	26.0	28.5	32.5	26.5	29.0	---	---	---	28.5	25.0	27.0
17	31.0	27.0	29.0	33.0	28.0	30.5	28.5	26.5	27.0	29.5	25.5	27.5
18	31.0	27.0	29.0	34.0	29.0	31.5	31.0	26.5	28.5	30.5	26.0	28.5
19	31.0	26.5	29.0	33.5	30.0	31.5	31.0	27.0	29.0	30.5	27.0	29.0
20	31.0	27.0	29.0	33.5	30.0	31.5	32.0	27.5	29.5	---	---	---
21	31.5	27.0	29.0	32.0	29.0	30.0	32.5	27.5	30.5	31.5	27.0	29.0
22	33.0	28.0	30.5	32.0	28.0	29.5	32.0	29.5	31.0	31.5	27.5	29.0
23	33.0	28.5	31.0	28.5	27.0	27.5	29.5	27.5	28.5	31.5	27.0	29.0
24	34.5	29.5	31.5	31.0	26.5	28.5	31.5	27.0	29.0	31.5	27.5	28.5
25	31.5	28.0	29.5	28.5	26.0	27.5	32.0	27.5	30.0	29.5	26.5	28.0
26	31.5	27.0	29.5	28.5	26.5	27.5	32.0	27.5	29.5	28.5	25.5	27.0
27	32.5	28.0	30.5	26.5	25.0	25.5	30.0	28.0	29.0	28.0	26.0	26.5
28	34.5	29.5	32.0	28.0	25.5	26.5	30.0	27.5	28.5	26.5	25.0	25.5
29	34.0	30.5	32.0	27.5	26.0	26.5	30.0	28.0	28.5	25.0	24.0	24.5
30	32.0	29.5	30.5	29.5	26.0	27.5	28.0	27.0	27.5	26.0	23.5	24.5
31	---	---	---	29.0	25.5	27.0	30.0	26.0	27.5	---	---	---

PEARL RIVER BASIN

02482000 PEARL RIVER AT EDINBURG, MS

LOCATION.--Lat 32°47'55", long 89°21'10", in SW¼SW¼ sec.13, T.11 N., R.9 E., Choctaw Meridian, Leake County, Hydrologic Unit 03180001, on right bank 20 ft (6 m) downstream from bridge on State Highway 16 at Edinburg, 1,100 ft (335 m) downstream from Hooper Mill Creek, 3 mi (5 km) upstream from Rice Creek and at mile 387.5 (623.5 km).

DRAINAGE AREA.--898 mi² (2,326 km²).

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.

GAGE.--Water-stage recorder. Datum of gage is 341.67 ft (104.141 m) National Geodetic Vertical Datum of 1929. Prior to July 2, 1930, nonrecording gage at site 500 ft (152 m) upstream at datum 0.12 ft (0.037 m) higher. July 2, 1930, to Sept. 20, 1938, nonrecording gage at present site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--50 years, 1,114 ft³/s (31.55 m³/s), 16.85 in/yr (428 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 31,400 ft³/s (889 m³/s) Mar. 8, 1935; maximum gage height, 26.72 ft (8.144 m) Apr. 15, 1974; minimum discharge, 1.7 ft³/s (0.048 m³/s) Oct. 5, 1954, gage height, 1.02 ft (0.311 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood in March 1902 reached a stage of 29.0 ft (8.84 m), from reports of National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 8,150 ft³/s (231 m³/s) May 12, gage height, 22.70 ft (6.919 m); minimum, 12 ft³/s (0.34 m³/s) Sept. 26, gage height, 1.48 ft (0.451 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.09	7.13	19.72	9.38	18.41	9.01	7.02	11.33	6.29	3.27	2.58	1.93
2	8.53	7.47	20.47	9.04	17.41	9.72	6.73	11.82	6.24	3.19	2.47	1.89
3	7.89	9.60	21.26	8.65	16.48	9.76	6.56	13.54	6.07	3.05	2.38	1.84
4	7.94	9.84	21.49	8.37	15.67	9.42	6.20	15.01	5.68	2.94	2.30	1.74
5	7.45	14.08	20.99	8.23	14.52	9.25	5.96	14.36	5.59	2.86	2.22	1.68
6	7.06	14.77	19.98	8.64	13.38	9.11	5.75	13.55	5.34	2.74	2.16	1.66
7	6.78	17.31	18.69	9.05	12.61	9.51	5.55	14.23	5.26	3.01	2.11	1.68
8	6.60	18.56	17.09	9.57	12.21	10.89	5.39	17.31	6.36	3.53	2.05	1.87
9	7.74	19.47	15.18	10.49	11.85	11.51	5.18	18.93	6.51	3.63	2.18	1.90
10	8.14	19.27	13.30	10.91	11.40	11.89	5.03	20.16	6.55	3.40	3.79	1.81
11	8.24	18.25	11.93	10.99	10.85	11.46	6.11	21.71	6.35	4.73	3.48	1.74
12	7.89	16.68	10.93	10.92	10.23	11.08	7.35	22.60	7.24	3.76	3.08	1.71
13	7.69	14.43	10.13	11.89	10.90	10.97	8.12	22.13	8.28	3.28	3.08	1.76
14	7.77	12.16	10.66	12.28	10.82	15.26	8.17	20.97	8.10	3.14	4.23	1.76
15	8.01	10.54	10.93	12.63	10.97	16.41	7.70	19.61	7.26	4.42	3.83	1.83
16	8.15	9.35	11.47	12.32	10.44	17.79	7.27	18.03	6.53	4.41	3.44	1.93
17	7.96	8.82	11.21	13.84	9.90	18.24	6.89	16.17	5.99	4.09	3.13	1.89
18	7.42	8.12	11.09	14.04	9.56	18.54	6.72	14.39	5.38	4.06	2.83	1.81
19	6.63	7.57	11.16	14.60	9.33	18.39	6.72	13.09	5.40	4.41	2.61	1.77
20	5.86	6.81	11.19	14.55	9.15	17.56	6.32	12.33	6.07	4.31	2.54	1.73
21	5.17	9.84	11.16	14.37	8.95	16.14	6.00	11.51	5.15	3.90	2.49	1.67
22	4.65	16.71	10.99	14.73	8.63	14.36	5.72	10.98	4.64	3.57	2.36	1.83
23	4.25	17.18	10.68	14.81	8.28	12.66	5.45	10.76	4.34	3.33	2.23	1.70
24	3.97	18.13	10.32	14.95	7.91	11.35	5.29	10.99	4.15	3.12	2.16	1.59
25	3.99	18.23	10.30	17.31	7.61	10.44	5.17	11.13	4.01	3.12	2.10	1.54
26	4.60	18.62	9.95	18.62	7.36	9.74	5.03	10.52	3.90	3.19	2.05	1.51
27	5.92	18.62	9.60	19.72	7.10	9.18	4.71	9.45	3.81	3.25	1.98	1.49
28	6.33	18.52	9.00	20.64	8.10	8.57	4.47	8.55	3.70	3.07	1.92	1.53
29	6.28	17.91	8.45	20.98	---	8.03	4.24	9.97	3.57	2.92	1.88	1.56
30	6.44	19.30	8.98	20.53	---	7.61	4.09	8.28	3.42	2.83	1.98	1.55
31	6.72	---	9.22	19.55	---	7.29	---	7.27	---	2.70	2.00	---
MEAN	6.75	14.11	13.15	13.44	11.07	11.97	6.03	14.22	5.57	3.46	2.57	1.73
MAX	8.53	19.47	21.49	20.98	18.41	18.54	8.17	22.60	8.28	4.73	4.23	1.93
MIN	3.97	6.81	8.45	8.23	7.10	7.29	4.09	7.27	3.42	2.70	1.88	1.49

CAL YR 1977 MEAN 9.61 MAX 26.32 MIN 2.24
WTR YR 1978 MEAN 8.67 MAX 22.60 MIN 1.49

02482000 PEARL RIVER AT EDINBURG, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	703	612	5040	1000	4250	913	504	1520	391	98	69	30
2	1070	656	5620	920	3710	1080	457	1610	384	94	62	28
3	892	1110	6360	833	3290	1090	429	2150	360	86	56	26
4	908	1140	6600	772	2970	1010	378	2700	306	80	51	22
5	804	2340	6090	740	2510	970	345	2440	292	76	46	19
6	725	2610	5240	831	2070	936	315	2130	263	70	43	19
7	670	3670	4420	922	1830	1030	289	2410	255	88	40	19
8	640	4340	3560	1050	1720	1360	268	3670	402	129	37	27
9	892	4880	2770	1270	1620	1520	245	4560	425	137	44	29
10	992	4760	2050	1370	1490	1630	228	5380	433	119	176	25
11	1020	4160	1640	1390	1350	1510	375	6880	406	253	142	22
12	944	3380	1380	1370	1200	1410	563	8010	561	152	107	21
13	901	2470	1180	1630	1370	1380	717	7380	769	114	107	23
14	927	1710	1310	1740	1350	2830	728	6090	732	103	218	23
15	989	1280	1380	1840	1380	3270	630	4990	568	227	176	26
16	1020	993	1510	1750	1260	3900	549	4040	444	224	138	30
17	980	872	1450	2240	1130	4140	482	3170	368	193	111	28
18	853	717	1410	2310	1040	4320	456	2460	287	191	87	25
19	680	606	1430	2540	990	4230	455	1980	295	229	71	23
20	532	470	1440	2520	946	3780	395	1750	385	227	66	21
21	420	1280	1430	2450	900	3160	349	1520	264	183	63	19
22	346	3380	1390	2590	828	2440	311	1390	210	151	55	26
23	290	3600	1310	2620	751	1850	277	1330	180	128	47	20
24	257	4080	1230	2680	673	1480	257	1390	163	110	43	16
25	259	4140	1220	3660	613	1260	243	1420	151	110	39	14
26	323	4370	1140	4370	565	1090	229	1270	143	116	37	13
27	502	4370	1050	5050	518	954	194	1020	136	121	33	13
28	552	4310	913	5770	724	815	170	813	130	106	30	14
29	522	3960	788	6080	---	698	149	1140	119	94	28	15
30	529	4780	907	5670	---	613	136	753	109	87	33	15
31	558	---	963	4940	---	553	---	550	---	78	34	---
TOTAL	21700	81046	74221	74918	43048	57222	11123	87916	9931	4174	2289	651
MEAN	700	2702	2394	2417	1537	1846	371	2836	331	135	73.8	21.7
MAX	1070	4880	6600	6080	4250	4320	728	8010	769	253	218	30
MIN	257	470	788	740	518	553	136	550	109	70	28	13
CFSM	.78	3.01	2.67	2.69	1.71	2.06	.41	3.16	.37	.15	.08	.02
IN.	.90	3.36	3.07	3.10	1.78	2.37	.46	3.64	.41	.17	.09	.03
CAL YR 1977	TOTAL	639080	MEAN	1751	MAX	24900	MIN	22	CFSM	1.95	IN	26.47
WTR YR 1978	TOTAL	468239	MEAN	1283	MAX	8010	MIN	13	CFSM	1.43	IN	19.40

PEARL RIVER BASIN

02482550 PEARL RIVER NEAR CARTHAGE, MS

LOCATION.--Lat 32°42'25", long 89°31'35", in NE¼NE¼ 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 (3.4 km) south of Carthage, 4.0 mi (6.4 km) downstream from Lobutch Creek, 10.8 mi (17.4 km) upstream from Tuscolameta Creek, and at mile 366.3 (589.4 km).

DRAINAGE AREA.--1,347 mi² (3,489 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 315.24 ft (96.085 m) National Geodetic National Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--16 years, 1,833 ft³/s (51.91 m³/s), 18.48 in/yr (469 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 29,900 ft³/s (847 m³/s) Apr. 7, 1977, maximum gage height, 24.54 ft (7.480 m) April 16, 1974; minimum discharge, 31 ft³/s (0.88 m³/s) Oct. 30, 1963, gage height, 2.36 ft (0.719 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--The flood in March 1902 reached a stage of about 27 ft (8¼ m); flood in 1900 reached a stage of 25.6 ft (7.80 m); flood in 1932 reached a stage of 24.3 ft (7.41 m); flood of Apr. 11, 1938, reached a stage of 23.3 ft (7.10 m), all from information by Corps of Engineers. Flood of Dec. 20, 1961, reached a stage of 25.4 ft (7.74 m), discharge, 31,900 ft³/s (903 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 10,400 ft³/s (295 m³/s) Apr. 7, gage height, 20.48 ft (6.227 m); minimum, 76 ft³/s (2.15 m³/s) Sept. 27, gage height, 2.55 ft (0.777 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.50	6.59	19.18	9.62	17.78	9.55	7.85	9.51	8.44	4.29	3.51	2.88
2	7.62	6.84	19.68	9.54	17.13	9.67	7.59	12.13	8.27	4.16	3.40	2.84
3	8.59	8.12	19.80	9.18	16.16	10.04	7.37	12.30	7.94	4.07	3.31	2.81
4	7.84	9.34	19.71	8.82	15.28	9.86	7.14	13.38	7.44	3.97	3.22	2.80
5	7.58	11.69	19.50	8.58	14.55	9.54	6.94	13.73	7.19	3.90	3.14	2.76
6	7.18	12.65	18.97	8.64	13.72	9.31	6.75	13.41	6.78	3.83	3.08	2.71
7	6.85	13.34	18.12	9.23	12.77	9.46	6.56	13.51	6.55	4.07	3.03	2.70
8	6.69	14.25	16.96	9.86	12.03	10.83	6.40	15.24	7.71	3.93	2.99	2.65
9	7.20	15.11	15.53	10.78	11.59	11.16	6.25	17.10	8.05	4.15	3.76	2.65
10	8.53	15.87	14.09	11.14	11.24	11.46	6.08	18.77	7.90	4.22	4.33	2.69
11	8.89	16.01	12.71	11.30	10.87	11.55	6.90	20.11	7.65	5.47	4.26	2.66
12	8.86	15.41	11.58	11.31	10.49	11.30	8.05	20.26	7.63	4.93	4.05	2.65
13	8.71	14.39	10.80	11.92	10.95	11.08	8.33	20.41	8.23	4.43	3.83	2.69
14	8.70	12.89	11.02	11.93	11.20	14.28	8.55	20.07	8.15	4.57	4.06	2.77
15	8.32	11.11	11.18	11.84	11.06	15.24	8.15	19.12	7.68	4.45	4.69	2.90
16	7.88	9.85	11.29	11.78	10.90	15.88	7.68	17.85	7.06	5.14	4.34	2.97
17	7.71	9.33	11.43	13.02	10.41	16.21	7.30	16.43	6.58	5.10	4.02	2.91
18	7.42	8.66	11.41	13.53	9.96	16.38	7.18	14.97	6.15	4.66	3.76	2.84
19	6.96	8.19	11.22	13.78	9.64	16.47	7.23	13.49	5.79	4.59	3.55	2.76
20	6.42	7.73	11.13	13.95	9.42	16.37	6.98	12.36	6.17	4.70	3.40	2.70
21	5.92	9.97	11.00	13.84	9.25	15.71	6.61	11.66	6.64	4.55	3.32	2.71
22	5.49	14.60	10.75	13.72	9.04	14.47	6.35	11.75	6.34	4.37	3.24	2.90
23	5.15	15.26	10.45	13.75	8.80	13.11	6.12	11.32	5.97	4.13	3.15	2.91
24	4.88	15.78	10.19	14.03	8.55	11.94	5.98	10.95	5.56	3.95	3.08	2.88
25	4.81	16.30	10.05	15.81	8.28	11.03	5.90	10.66	5.33	3.81	3.00	2.69
26	4.90	16.60	9.99	16.95	8.07	10.35	5.80	10.37	5.04	3.89	2.93	2.59
27	5.44	16.69	9.67	17.42	7.88	9.79	5.62	9.84	4.84	4.67	2.89	2.57
28	6.36	17.20	9.34	17.96	8.37	9.32	5.40	9.10	4.69	4.08	2.83	2.63
29	6.40	16.98	8.94	18.45	---	8.86	5.25	9.57	4.56	3.88	2.80	2.62
30	6.34	18.60	9.23	18.64	---	8.47	5.09	9.81	4.43	3.74	2.87	2.60
31	6.41	---	9.51	18.36	---	8.13	---	9.08	---	3.65	2.88	---
MEAN	7.02	12.85	13.05	12.86	11.26	11.83	6.78	13.81	6.69	4.30	3.44	2.75
MAX	8.89	18.60	19.80	18.64	17.78	16.47	8.55	20.41	8.44	5.47	4.69	2.97
MIN	4.81	6.59	8.94	8.58	7.88	8.13	5.09	9.08	4.43	3.65	2.80	2.57

CAL YR 1977 MEAN 9.75 MAX 24.20 MIN 3.18
WTR YR 1978 MEAN 8.89 MAX 20.41 MIN 2.57

02482550 PEARL RIVER AT CARTHAGE, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	934	666	8350	1480	6750	1460	958	1510	1200	318	183	103
2	972	719	9080	1460	6130	1500	892	2600	1150	299	168	100
3	1280	1030	9270	1340	5290	1620	838	2690	1060	286	156	97
4	1030	1390	9130	1230	4610	1560	785	3320	932	273	144	96
5	957	2370	8800	1160	4080	1460	741	3530	874	264	134	93
6	842	2890	8060	1170	3520	1380	700	3340	781	254	126	88
7	755	3290	7100	1360	2960	1440	660	3400	732	289	119	88
8	713	3870	5970	1570	2550	1930	627	4640	1020	268	113	83
9	851	4480	4800	1910	2310	2100	596	6100	1110	299	214	83
10	1260	5060	3760	2090	2140	2250	563	7840	1060	309	271	87
11	1390	5170	2930	2170	1950	2290	739	9790	997	523	261	84
12	1380	4720	2310	2170	1790	2170	1010	10100	994	424	233	83
13	1320	3970	1920	2490	2000	2060	1090	10300	1160	341	205	87
14	1320	3040	2030	2490	2120	3890	1150	9740	1140	365	235	94
15	1190	2080	2110	2440	2050	4580	1040	8280	1010	346	323	105
16	1050	1560	2160	2410	1970	5070	914	6840	852	463	272	112
17	997	1390	2230	3110	1750	5330	822	5520	741	456	229	106
18	912	1180	2220	3410	1600	5470	797	4390	649	381	198	100
19	782	1050	2130	3560	1490	5550	806	3390	577	368	173	93
20	646	927	2080	3670	1420	5460	750	2760	655	386	155	88
21	529	1600	2020	3600	1360	4950	670	2390	754	358	147	88
22	439	4110	1890	3520	1300	4030	616	2440	689	327	138	105
23	374	4590	1770	3540	1220	3160	571	2230	612	289	129	106
24	326	4990	1680	3720	1150	2500	544	2060	534	261	122	103
25	313	5410	1630	5050	1070	2030	528	1930	491	239	114	87
26	329	5660	1610	5960	1020	1730	510	1810	440	249	108	79
27	432	5730	1500	6400	966	1540	479	1620	406	362	104	77
28	618	6190	1390	6940	1100	1380	438	1380	381	268	99	82
29	627	5980	1270	7450	---	1240	412	1550	360	238	96	81
30	614	7620	1360	7670	---	1130	386	1630	340	216	102	79
31	629	---	1450	7350	---	1030	---	1390	---	202	104	---
TOTAL	25811	102732	114010	103890	67666	83290	21632	130510	23701	9921	5175	2757
MEAN	833	3424	3678	3351	2417	2687	721	4210	790	320	167	91.9
MAX	1390	7620	9270	7670	6750	5550	1150	10300	1200	523	323	112
MIN	313	666	1270	1160	966	1030	386	1380	340	202	96	77
CFSM	.62	2.54	2.73	2.49	1.79	2.00	.54	3.13	.59	.24	.12	.07
IN.	.71	2.84	3.15	2.87	1.87	2.30	.60	3.60	.65	.27	.14	.08

CAL YR 1977	TOTAL	999371	MEAN	2738	MAX	29300	MIN	101	CFSM	2.03	IN	27.60
WTR YR 1978	TOTAL	691095	MEAN	1893	MAX	10300	MIN	77	CFSM	1.41	IN	19.09

PEARL RIVER BASIN

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS

LOCATION.--Lat 32°35'18", long 89°27'54", in NW¼ 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 (0.6 km) southwest of Walnut Grove, 0.6 mi (1.0 km) upstream from Gulf, Mobile and Ohio Railroad bridge, 7.5 mi (12.1 km) upstream from junction of north and south drainage canals, and 15.5 mi (24.9 km) upstream from mouth.

DRAINAGE AREA.--411 mi² (1,064 km²), 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. 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 (0.3 km) upstream at same datum. Water-stage recorder, on south canal at bridge on State Highway 35, 1 mi (2 km) 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 (549 m) downstream, at same datum. Prior to Oct. 1, 1971, at datum 10.00 ft (3.048 m) higher. Datum of gages is 322.70 ft (98.359 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good. Discharge computed by combining the flow of individually rated channels.

AVERAGE DISCHARGE.--40 years, 515 ft³/s (14.58 m³/s), 17.02 in/yr (432 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 34,600 ft³/s (980 m³/s) Jan. 7, 1950, gage height, 33.00 ft (10.058 m) present datum, north canal, at site 0.2 miles (0.3 km) upstream; maximum gage height, south canal, 31.53 ft (9.610 m) present datum, Jan. 7, 1950, at site 1,800 ft (549 m) downstream; minimum discharge, 2.4 ft³/s (0.068 m³/s) Oct. 2, 1954.

EXTREMES OUTSIDE PERIOD OF RECORD.--Prior to canalization, creek reached a stage of 34.5 ft (7.47 m), present datum, from floodmark, believed to be flood of April 1900.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 4,000 ft³/s (113 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	(m ³ /s)	Gage height (ft)	(m)	Date	Time	Discharge (ft ³ /s)	(m ³ /s)	Gage height (ft)	(m)
Nov. 7	1300	4720	134	25.22	7.687	Jan. 27	0645	*6100	173	26.00	7.925
Nov. 24	0600	5090	144	25.54	7.785	Mar. 16	0900	5410	153	25.70	7.833
Dec. 2	1030	5550	157	25.75	7.849	May 10	1615	6040	171	25.97	7.916

Minimum daily discharge, 15 ft³/s (0.42 m³/s) Sept. 27.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.21	11.20	25.03	15.06	16.79	15.98	12.04	13.24	13.04	---	---	---
2	11.31	11.20	25.66	14.04	21.51	15.37	11.92	15.43	14.44	---	---	---
3	11.39	14.35	23.12	13.28	21.54	14.75	11.76	15.84	14.24	---	---	---
4	11.53	17.65	16.67	12.79	19.43	14.76	11.67	17.24	13.10	10.08	---	---
5	10.98	22.97	14.45	12.63	16.22	13.98	11.64	16.99	11.76	9.97	---	---
6	10.62	24.09	13.69	14.48	14.89	13.35	11.54	15.39	11.31	10.14	---	---
7	10.30	25.12	13.10	15.96	14.29	14.18	11.44	16.05	11.11	13.70	---	---
8	10.51	22.30	12.82	16.02	13.90	16.56	11.42	21.64	11.62	14.86	---	---
9	12.75	15.17	13.17	17.17	13.65	16.32	11.39	24.56	12.32	11.86	10.21	---
10	14.05	13.25	13.81	16.23	13.41	15.33	11.30	25.81	12.26	10.59	11.10	---
11	13.38	12.50	13.62	14.91	13.18	14.59	13.81	24.95	11.72	10.30	10.90	9.92
12	12.58	12.08	13.24	14.84	13.03	15.00	19.52	18.86	12.04	10.45	10.32	9.87
13	11.63	11.86	13.10	17.03	16.82	15.30	18.61	16.80	12.88	10.28	10.37	9.82
14	11.00	11.72	18.02	16.39	17.70	23.04	16.38	15.40	11.65	10.13	10.21	9.89
15	10.78	11.64	18.93	15.29	16.38	24.97	14.15	14.03	10.94	10.16	10.26	9.93
16	10.55	11.61	17.37	14.54	14.96	25.50	12.90	13.00	10.65	10.22	10.26	9.99
17	10.39	12.19	15.85	19.56	14.02	20.18	12.21	12.47	10.50	10.10	10.04	9.98
18	10.38	13.11	15.81	20.01	13.60	15.30	14.58	12.67	10.43	10.04	9.94	9.90
19	10.25	12.69	15.09	18.65	13.21	14.25	16.09	12.85	11.59	9.97	9.94	---
20	10.14	12.32	14.15	17.56	12.90	13.72	15.78	12.69	12.23	---	9.88	---
21	10.07	17.81	13.52	16.43	12.90	13.38	13.78	12.52	10.78	---	9.83	---
22	10.01	24.15	13.04	15.43	12.82	13.53	12.22	12.30	10.51	---	---	---
23	10.00	25.18	12.74	14.83	12.65	13.49	11.68	12.35	10.43	---	---	---
24	10.06	25.37	12.63	17.17	12.60	13.10	11.49	12.61	10.32	---	---	---
25	12.36	20.46	12.93	24.04	12.52	13.74	11.55	12.04	10.23	---	---	---
26	18.41	14.78	13.15	25.47	12.68	14.37	11.55	11.76	10.16	10.23	---	---
27	18.75	13.56	12.85	25.95	12.81	13.55	11.26	11.39	10.12	10.01	---	---
28	15.51	15.16	12.61	25.15	13.70	12.97	11.06	11.15	10.08	---	---	---
29	12.56	15.56	12.69	18.77	---	12.58	10.95	11.62	10.04	---	---	9.70
30	11.69	24.09	15.09	15.34	---	12.32	10.84	13.57	10.00	---	---	9.73
31	11.35	---	16.03	14.81	---	12.14	---	13.06	---	---	---	---
MEAN	11.82	16.50	15.29	17.09	14.79	15.41	12.88	15.17	11.42	---	---	---
MAX	18.75	25.37	25.66	25.95	21.54	25.50	19.52	25.81	14.44	---	---	---
MIN	10.00	11.20	12.61	12.63	12.52	12.14	10.84	11.15	10.00	---	---	---

02483000 TUSCOLAMETA CREEK AT WALNUT GROVE, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	131	72	4760	688	1050	792	147	317	226	31	31	24
2	118	72	5400	478	2540	699	136	685	369	32	26	22
3	131	542	3370	349	2710	553	124	736	346	33	22	23
4	150	1300	943	279	1850	553	116	1140	235	40	21	20
5	102	3200	514	255	855	422	116	1130	125	35	19	19
6	68	3920	393	626	555	319	108	713	95	49	19	19
7	45	4620	306	1060	446	421	102	834	83	345	17	18
8	56	2820	267	892	386	935	100	2640	124	441	17	17
9	321	555	317	1170	351	918	95	4330	189	147	48	16
10	505	265	418	974	319	660	91	5760	171	61	121	22
11	351	184	395	599	288	506	445	4650	124	48	111	27
12	222	141	330	576	264	586	1710	1430	148	53	68	26
13	128	120	314	1050	985	692	1510	1030	228	43	61	27
14	83	105	1320	942	1400	3440	941	741	145	41	56	28
15	67	99	1660	656	1050	4640	476	428	91	50	53	35
16	55	94	1200	520	603	5040	288	267	73	116	50	53
17	49	139	808	1760	426	1970	205	203	64	61	37	37
18	49	211	775	2050	359	578	603	211	57	41	31	30
19	41	172	639	1590	297	398	1110	223	141	33	30	25
20	36	144	465	1210	264	323	1070	209	191	26	28	22
21	34	1640	361	930	254	283	430	229	86	25	25	20
22	30	3890	296	695	242	302	214	213	69	25	25	19
23	30	4720	258	582	228	300	159	219	60	27	23	18
24	33	4790	244	1250	219	261	140	209	52	25	22	18
25	308	2020	281	3890	209	341	146	154	46	23	21	16
26	1360	485	332	5280	219	428	145	129	43	46	18	16
27	1460	298	279	5960	244	319	122	104	40	52	18	15
28	692	582	245	4710	353	245	107	87	41	90	17	22
29	189	795	258	1430	---	201	97	123	38	52	18	28
30	104	3930	693	619	---	176	90	277	34	52	19	25
31	80	---	927	532	---	159	---	229	---	40	20	---
TOTAL	7028	41925	28768	43602	18966	27460	11143	29650	3734	2183	1092	707
MEAN	227	1398	928	1407	677	886	371	956	124	70.4	35.2	23.6
MAX	1460	4790	5400	5960	2710	5040	1710	5760	369	441	121	53
MIN	30	72	244	255	209	159	90	87	34	23	17	15
CFSM	.55	3.40	2.26	3.42	1.65	2.16	.90	2.33	.30	.17	.09	.06
IN.	.64	3.79	2.60	3.95	1.72	2.49	1.01	2.68	.34	.20	.10	.06

CAL YR 1977 TOTAL 308439 MEAN 845 MAX 11600 MIN 10 CFMS 2.06 IN 27.92
WTR YR 1978 TOTAL 216258 MEAN 592 MAX 5960 MIN 15 CFMS 1.44 IN 19.57

PEARL RIVER BASIN

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 mi (3 km) south of Kosciusko.

DRAINAGE AREA.--314 mi² (813 km²).

PERIOD OF RECORD.--August 1938 to current year. Prior to October 1947, published as Yokahockany River near Kosciusko.

REVISED RECORDS.--WSP 1504: 1946.

GAGE.--Water-stage recorder. Datum of gage is 374.34 ft (114.099 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Mar. 28, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good, except those for period of no gage-height record, Feb. 15 to Mar. 14, which are fair.

AVERAGE DISCHARGE.--40 years, 422 ft³/s (11.95 m³/s), 18.25 in/yr (464 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,300 ft³/s (547 m³/s) Mar. 29, 1951, gage height, 18.72 ft (5.706 m) maximum gage height 18.86 ft (5.749 m), Mar. 15, 1975; minimum discharge, 2.3 ft³/s (0.065 m³/s) Aug. 20-24, 1943; minimum gage height, 0.10 ft (0.030 m) Sept. 3-6, 1939.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in December 1932 reached a stage of about 17 ft (5.2 m), from information by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 3,000 ft³/s (85 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Nov. 22	1300	3960 112	13.78 4.200	Mar. 14	2300	3780 107	13.69 4.173
Dec. 1	1700	8400 238	15.77 4.807	May 9	2000	*13700 388	17.56 5.352
Jan. 25	2100	3080 87.2	13.30 4.054				

Minimum daily discharge, 14 ft³/s (0.40 m³/s) Aug. 27, 28, and Sept. 11, 12, 25-27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	961	71	8090	274	361	220	118	523	657	37	20	23
2	762	87	7360	210	585	250	112	1130	305	32	20	21
3	273	416	4760	165	565	300	104	695	400	30	19	19
4	150	688	1980	148	422	450	97	768	292	30	18	18
5	105	832	670	147	329	400	98	902	157	29	17	17
6	86	949	394	277	266	350	97	450	105	28	17	17
7	72	559	278	394	171	320	89	907	137	27	16	16
8	222	313	226	477	204	450	85	6050	509	27	23	15
9	1310	220	268	888	196	400	80	12800	650	26	54	15
10	1830	177	344	848	185	450	82	11500	333	25	44	15
11	1550	143	287	471	151	800	198	6160	144	27	34	14
12	664	124	235	320	165	700	302	2170	92	26	32	14
13	211	110	216	479	383	1000	211	899	73	27	40	15
14	143	101	365	533	490	2170	136	803	61	46	72	17
15	114	99	424	365	326	3320	104	473	52	177	42	25
16	96	99	333	329	600	3450	86	243	45	66	31	32
17	83	122	358	1040	450	2160	77	208	41	42	26	29
18	75	136	604	1810	300	616	76	252	38	35	23	24
19	69	120	528	1410	200	313	73	214	165	30	21	21
20	65	107	340	796	170	245	64	181	271	27	19	19
21	62	733	249	496	150	231	58	185	172	25	18	17
22	60	3490	197	413	140	290	56	190	370	28	23	16
23	57	2980	173	395	130	257	54	169	645	27	20	15
24	54	2710	169	574	130	217	61	128	328	24	18	15
25	122	1360	177	2100	120	213	64	95	110	24	16	14
26	203	467	163	3000	110	204	60	80	71	23	15	14
27	148	277	147	2390	130	174	54	72	54	23	14	14
28	110	661	136	1720	250	157	50	82	47	23	14	15
29	91	2970	141	750	---	144	46	536	42	23	16	15
30	81	5510	292	401	---	138	47	1010	39	23	19	16
31	74	---	336	325	---	130	---	1160	---	21	23	---
TOTAL	9903	26631	30240	23945	7679	20519	2839	51035	6405	1058	784	537
MEAN	319	888	975	772	274	662	94.6	1646	214	34.1	25.3	17.9
MAX	1830	5510	8090	3000	600	3450	302	12800	657	177	72	32
MIN	54	71	136	147	110	130	46	72	38	21	14	14
CFSM	1.02	2.83	3.11	2.46	.87	2.11	.30	5.24	.68	.11	.08	.06
IN.	1.17	3.15	3.58	2.84	.91	2.43	.34	6.05	.76	.13	.09	.06

CAL YR 1977 TOTAL 231315 MEAN 634 MAX 10700 MIN 12 CFSM 2.02 IN 27.40
WTR YR 1978 TOTAL 181575 MEAN 497 MAX 12800 MIN 14 CFSM 1.58 IN 21.51

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS

LOCATION.--Lat 32°42'20", long 89°40'20", in NE¼NW¼ 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 (2.4 km) east of Ofahoma, 3 mi (5 km) upstream from mouth, and 8.5 mi (13.7 km) southwest of Carthage.

DRAINAGE AREA.--484 mi² (1,254 km²).

PERIOD OF RECORD.--October 1943 to current year. Daily mean gage heights published since October 1971. Prior to October 1947 published as Yockahockany River near Ofahoma.

REVISED RECORDS.--WSP 1204: 1948. WSP 1504: 1949.

GAGE.--Water-stage recorder. Datum of gage is 311.15 ft (94.839 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Sept. 5, 1962, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--35 years, 669 ft³/s (18.95 m³/s), 18.77 in/yr (477 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 20,700 ft³/s (586 m³/s) Mar. 31, 1951, gage height, 20.28 ft (6.181 m); minimum, 4.9 ft³/s (0.14 m³/s) Aug. 20, Sept. 11, 1954; minimum gage height, 1.86 ft (0.567 m) Sept. 26, 27, 1973.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 12,000 ft³/s (340 m³/s) Apr. 6, gage height, 18.32 ft (5.584 m); minimum, 23 ft³/s (0.65 m³/s) Sept. 26, 27, gage height, 1.14 ft (0.347 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.75	2.49	15.29	4.75	9.33	4.99	3.73	7.20	6.37	2.11	1.40	1.22
2	7.12	2.46	16.59	5.02	8.62	4.99	3.62	9.07	7.58	1.99	1.38	1.24
3	7.07	2.70	16.96	4.92	7.81	5.59	3.48	7.70	8.26	1.94	1.36	1.28
4	7.41	3.30	16.72	4.53	7.56	6.18	3.33	8.76	7.28	1.85	1.42	1.29
5	7.04	5.46	15.64	4.13	7.63	6.22	3.23	9.79	5.92	1.79	1.41	1.27
6	4.96	6.13	13.74	4.03	7.31	6.02	3.14	9.35	5.38	1.77	1.33	1.24
7	3.53	7.00	11.44	4.26	6.54	5.97	3.10	9.47	4.53	1.77	1.29	1.22
8	3.05	7.82	9.18	5.18	5.77	6.41	3.07	12.92	3.94	1.72	1.27	1.21
9	3.26	8.13	7.00	6.06	5.25	6.02	2.98	15.17	4.26	1.66	1.34	1.20
10	4.65	7.22	5.61	6.40	4.91	6.63	2.90	16.88	5.05	1.65	1.57	1.18
11	6.23	5.57	5.15	7.00	4.71	7.72	3.27	18.20	5.93	1.69	2.00	1.17
12	7.94	4.47	5.18	7.87	4.57	8.14	3.71	17.63	6.16	1.63	2.01	1.19
13	9.38	3.83	5.14	8.38	5.29	7.78	4.25	16.42	4.98	1.62	1.76	1.20
14	9.46	3.39	5.68	7.51	5.65	10.77	4.63	14.39	3.74	1.73	1.70	1.18
15	7.71	3.12	5.60	6.61	5.83	12.23	4.38	11.92	3.13	2.65	2.02	1.18
16	4.88	3.07	5.69	6.63	6.19	12.22	3.72	9.79	2.82	2.77	2.35	1.22
17	3.62	3.17	5.97	8.31	6.15	12.78	3.25	8.43	2.61	3.31	2.00	1.27
18	3.10	3.04	6.10	8.61	5.53	9.52	3.11	6.74	2.43	2.55	1.69	1.43
19	2.82	3.17	5.86	8.65	4.94	8.79	2.96	5.25	2.30	2.03	1.54	1.47
20	2.62	3.26	6.07	9.76	4.59	11.81	2.82	4.87	2.22	1.80	1.45	1.39
21	2.48	4.79	6.45	10.72	4.37	8.72	2.71	4.77	3.37	1.68	1.40	1.31
22	2.36	8.30	6.22	10.51	4.19	6.41	2.55	5.57	4.29	1.61	1.35	1.26
23	2.27	8.30	5.37	9.10	4.14	5.56	2.48	4.48	4.15	1.57	1.39	1.23
24	2.20	10.22	4.66	8.04	4.12	5.36	2.46	4.27	4.42	1.54	1.29	1.20
25	2.17	12.32	4.43	10.89	4.04	5.15	2.45	3.94	5.07	1.56	1.27	1.17
26	2.13	12.58	4.35	12.88	3.97	4.91	2.45	3.51	5.37	1.51	1.27	1.15
27	2.69	12.02	4.14	13.42	3.88	4.70	2.46	3.10	4.04	1.46	1.25	1.19
28	3.52	10.81	3.92	13.72	4.36	4.53	2.39	2.89	2.95	1.46	1.22	1.30
29	3.27	9.29	3.77	13.24	---	4.28	2.27	3.21	2.53	1.44	1.21	1.18
30	3.88	11.64	4.07	12.41	---	4.06	2.20	4.23	2.28	1.44	1.23	1.16
31	2.62	---	4.28	11.11	---	3.90	---	5.33	---	1.42	1.22	---
MEAN	4.59	6.30	7.62	8.21	5.62	7.04	3.10	8.56	4.45	1.83	1.50	1.24
MAX	9.46	12.58	16.96	13.72	9.33	12.78	4.63	18.20	8.26	3.31	2.35	1.47
MIN	2.13	2.46	3.77	4.03	3.88	3.90	2.20	2.89	2.22	1.42	1.21	1.15

WTR YR 1978 MEAN 5.01 MAX 18.20 MIN 1.15

PEARL RIVER BASIN

02484500 YOCKANOOKANY RIVER NEAR OFAHOMA, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	778	115	4320	396	1370	435	249	945	698	83	38	29
2	862	112	6240	440	1170	435	235	1380	972	74	37	30
3	850	134	7100	424	965	543	218	1000	1150	71	36	32
4	931	197	6580	362	904	657	200	1290	904	65	39	32
5	845	518	4800	303	921	665	189	1590	605	61	38	31
6	435	646	3190	289	846	624	179	1450	503	59	34	30
7	224	834	2140	321	685	614	174	1510	363	59	32	29
8	169	1030	1400	469	543	706	171	2740	277	56	31	29
9	192	1110	834	632	457	624	162	4260	321	53	35	28
10	380	885	545	702	407	754	153	7000	445	52	47	27
11	667	541	463	834	383	1010	194	11500	606	54	75	27
12	1060	352	468	1040	368	1110	246	9300	652	51	76	28
13	1460	263	461	1180	491	1020	321	5980	437	50	59	28
14	1490	207	558	955	553	1920	377	3650	251	57	55	27
15	1010	177	543	747	587	2440	334	2340	178	131	77	27
16	421	171	560	752	659	2430	243	1600	145	143	102	29
17	235	182	614	1160	650	2660	182	1190	125	198	75	31
18	174	168	640	1240	532	1520	165	782	109	121	54	39
19	145	182	593	1250	427	1300	146	480	98	78	45	42
20	126	192	634	1580	371	2280	131	415	92	61	41	35
21	114	451	713	1890	337	1270	121	399	209	54	38	31
22	103	1160	665	1820	311	704	107	541	326	50	35	29
23	96	1160	501	1380	304	536	101	354	306	47	37	27
24	90	1740	382	1090	301	499	99	323	346	45	32	26
25	88	2480	346	1950	290	463	98	278	451	47	31	25
26	85	2440	334	2700	281	422	98	221	503	44	31	24
27	133	2230	304	2960	268	388	100	174	294	41	30	26
28	223	1810	274	3140	340	362	93	152	159	41	29	30
29	193	1340	254	2840	---	324	84	187	118	40	29	25
30	268	2090	294	2460	---	293	79	320	97	40	30	24
31	126	---	324	1960	---	271	---	494	---	39	29	---
TOTAL	13973	24917	47074	39266	15721	29279	5249	63845	11740	2065	1377	877
MEAN	451	831	1519	1267	561	944	175	2060	391	66.6	44.4	29.2
MAX	1490	2480	7100	3140	1370	2660	377	11500	1150	198	102	42
MIN	85	112	254	289	268	271	79	152	92	39	29	24
CFSM	.93	1.72	3.14	2.62	1.16	1.95	.36	4.26	.81	.14	.09	.06
IN.	1.07	1.92	3.62	3.02	1.21	2.25	.40	4.91	.90	.16	.11	.07
CAL YR 1977	TOTAL	318913	MEAN 874	MAX 11100	MIN 27	CFSM 1.81	IN 24.51					
WTR YR 1978	TOTAL	255383	MEAN 700	MAX 11500	MIN 24	CFSM 1.45	IN 19.63					

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 (0.6 km) downstream from Illinois Central Railroad bridge, 0.4 mi (0.6 km) downstream from Town Creek, 4.2 mi (6.8 km) upstream from Richland Creek, and at mile 287.0 (461.8 km).

DRAINAGE AREA.--3,100 mi² (8,030 km²), approximately.

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 (1.0 km) 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).

GAGE.--Water-stage recorder. Datum of gage is 233.70 ft (71.232 m) 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 (1.0 km) upstream, at datum 1.20 ft (0.366 m) higher. Since Oct. 1, 1962, auxiliary water-stage recorder and concrete control at Jackson waterworks pumping plant, 3.8 mi (6.1 km) upstream (channel change). Datum of supplementary gage is 239.40 ft (72.969 m) NGVD.

REMARKS.--Records good. About 35 ft³/s (0.99 m³/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 (24 km) upstream.

AVERAGE DISCHARGE.--61 years (1901-12, 1928-78), 3,946 ft³/s (111.8 m³/s), 17.29 in/yr (439 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 85,000 ft³/s (2,410 m³/s) Mar. 31, 1902, gage height, 37.5 ft (11.43 m), site and datum then in use, from rating curve extended above 57,000 ft³/s (1,610 m³/s); minimum daily discharge, 45 ft³/s (1.27 m³/s) Oct. 5, 1956, Sept. 18, 1963, regulated; minimum daily unregulated, 78 ft³/s (2.21 m³/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 (11.3 m) and the flood of Dec. 5, 1880, reached a stage of 36½ ft (11¼ m), at former site and datum. The flood of Apr. 21, 1900, reached a stage of 36.7 ft (11.19 m), according to the Alabama and Vicksburg Railroad plans confirmed by local residents.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 30,400 ft³/s (861 m³/s) May 14, gage height, 32.09 ft (9.781 m); minimum, 131 ft³/s (3.71 m³/s) Sept. 9, gage height 3.34 ft (1.018 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.44	5.06	---	11.00	27.65	8.15	7.70	4.53	11.53	4.08	3.82	3.52
2	8.40	5.62	---	10.92	27.42	9.52	8.93	8.50	9.65	4.03	3.80	3.51
3	10.02	5.70	---	10.82	27.02	10.73	7.58	14.25	8.01	3.97	3.79	3.47
4	9.68	7.91	---	10.36	26.30	10.84	6.41	18.37	7.95	3.97	3.77	3.48
5	7.90	13.26	---	8.67	25.50	10.76	6.37	19.60	8.92	4.03	3.74	3.40
6	7.79	15.14	---	8.59	24.55	10.59	6.34	20.15	8.91	3.98	3.73	3.46
7	7.52	17.39	29.19	9.05	23.22	10.83	6.31	20.91	7.09	4.02	3.74	3.49
8	7.28	18.48	27.82	11.12	21.04	12.58	6.30	23.54	9.12	3.98	3.77	3.39
9	11.74	18.35	26.57	13.47	17.49	13.74	6.29	26.06	9.06	3.95	3.86	3.46
10	10.73	17.87	25.15	15.09	12.69	14.56	6.28	27.66	7.92	3.96	3.92	3.47
11	---	16.40	22.56	15.94	11.40	15.76	7.74	28.84	6.89	3.89	3.85	3.51
12	---	15.78	18.04	15.94	11.21	16.45	8.94	29.72	7.15	3.80	4.11	3.72
13	---	15.61	13.99	15.31	13.31	16.52	11.71	30.98	10.10	3.83	4.03	3.76
14	---	14.80	15.15	14.76	13.24	21.96	12.64	31.81	9.96	4.16	3.98	4.08
15	---	12.61	15.24	15.35	14.95	23.59	11.29	31.48	6.86	5.32	3.81	5.20
16	---	12.08	16.14	15.75	15.20	24.87	10.44	30.21	5.56	4.44	3.79	5.86
17	---	11.12	16.79	18.01	14.86	26.38	5.67	28.66	4.51	3.90	3.79	5.86
18	---	9.42	15.93	18.98	12.87	26.61	6.20	26.80	4.44	3.75	3.76	5.88
19	---	9.29	14.49	20.27	11.86	26.28	6.57	24.70	5.60	3.73	3.82	5.71
20	6.15	9.17	12.55	21.22	9.21	25.48	6.31	22.69	7.44	3.69	3.73	5.70
21	5.59	12.72	13.97	21.92	8.98	24.76	6.25	18.72	5.95	3.64	3.79	5.71
22	5.50	16.65	13.93	22.16	8.60	23.73	7.47	14.12	6.02	4.02	3.69	5.68
23	5.50	18.36	11.29	21.03	8.06	21.03	6.45	13.51	6.12	5.35	3.63	5.70
24	5.24	20.97	10.32	20.43	8.00	15.29	6.20	14.50	6.79	6.57	3.59	5.71
25	4.69	21.99	---	23.70	7.95	10.74	6.19	13.26	4.94	6.03	3.53	5.71
26	5.09	23.36	---	25.91	7.96	9.91	6.19	10.50	4.21	5.65	3.51	5.73
27	7.15	23.85	---	27.44	7.91	9.71	6.16	9.13	4.05	4.35	3.49	6.26
28	8.80	23.94	---	28.45	8.09	10.36	4.83	8.28	5.94	3.95	3.47	6.54
29	8.85	25.34	9.72	28.88	---	8.07	4.27	8.35	5.65	3.83	5.40	7.23
30	8.52	28.13	11.45	28.65	---	6.63	4.22	8.09	4.20	3.97	4.12	7.17
31	6.11	---	11.20	28.00	---	6.52	---	8.67	---	3.89	3.49	---
MEAN	---	15.55	---	17.97	15.23	15.58	7.14	19.24	7.02	4.25	3.82	4.85
MAX	---	28.13	---	28.88	27.65	26.61	12.64	31.81	11.53	6.57	5.40	7.23
MIN	---	5.06	---	8.59	7.91	6.52	4.22	4.53	4.05	3.64	3.47	3.39

PEARL RIVER BASIN

02486000 PEARL RIVER AT JACKSON, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1440	468	20600	3170	17200	1850	1650	350	3420	274	236	163
2	1880	664	23100	3130	16900	2480	2210	2090	2540	260	231	163
3	2560	695	25600	3080	16200	3040	1590	4800	1800	244	228	154
4	2420	1660	26300	2870	15100	3090	1060	7330	1780	244	223	158
5	1650	4070	25300	2090	14100	3060	1040	8240	2220	260	215	142
6	1600	5130	23200	2050	12900	2980	1030	8690	2220	247	212	158
7	1480	6550	20000	2260	11500	3090	1010	9360	1400	257	215	165
8	1370	7420	17600	3230	9440	3940	1010	11800	2320	247	223	145
9	3250	7310	15500	4350	6740	4490	1000	14800	2290	239	247	161
10	2770	6960	13700	5200	4020	4910	999	17200	1790	241	263	163
11	1970	5980	10900	5710	3360	5600	1670	19800	1330	223	244	173
12	1830	5610	7130	5710	3270	6010	2210	21900	1460	200	317	225
13	2200	5510	4610	5330	4280	6060	3510	26100	2780	207	294	236
14	2240	5040	5240	5020	4240	10300	3960	29200	2720	308	280	338
15	2240	3940	5290	5350	5120	11800	3310	28000	1340	772	233	725
16	2240	3690	5830	5590	5270	13300	2910	23400	796	390	228	978
17	2230	3230	6220	7060	5070	15300	748	19400	403	225	228	978
18	1770	2430	5700	7780	4080	15600	974	15900	381	187	220	987
19	1090	2370	4870	8780	3580	15100	1130	13100	844	182	236	902
20	873	2320	3910	9600	2340	14100	1010	11000	1600	173	212	885
21	653	4190	4600	10200	2230	13200	987	7640	948	161	228	877
22	620	6140	4580	10500	2060	12000	1550	4710	969	269	202	852
23	620	7350	3310	9430	1810	9500	1070	4370	1010	721	187	848
24	528	9380	2850	8930	1790	5400	965	4880	1310	1220	177	840
25	352	10300	2770	12000	1760	3050	961	4250	565	999	163	824
26	488	11600	2580	14600	1770	2660	961	2980	311	852	158	820
27	1310	12100	2490	16900	1740	2560	948	2300	266	397	154	1040
28	2060	12200	2570	18900	1820	2870	445	1910	935	271	149	1140
29	2080	13900	2570	19800	---	1820	274	1940	828	239	764	1450
30	1930	18100	3380	19300	---	1150	260	1820	308	277	332	1410
31	865	---	3260	17800	---	1100	---	2090	---	255	154	---
TOTAL	50609	186307	305560	255720	179690	201410	42452	331350	42884	11041	7453	18100
MEAN	1633	6210	9857	8249	6418	6497	1415	10690	1429	356	240	603
MAX	3250	18100	26300	19800	17200	15600	3960	29200	3420	1220	764	1450
MIN	352	468	2490	2050	1740	1100	260	350	266	161	149	142
CFSM	.53	2.00	3.18	2.66	2.07	2.10	.46	3.45	.46	.12	.08	.20
IN.	.61	2.24	3.67	3.07	2.16	2.42	.51	3.98	.51	.13	.09	.22
CAL YR 1977 TOTAL	2082135	MEAN	5704	MAX	45400	MIN	165	CFSM	1.84	IN	24.99	
WTR YR 1978 TOTAL	1632576	MEAN	4473	MAX	29200	MIN	142	CFSM	1.44	IN	19.59	

02488500 PEARL RIVER NEAR MONTICELLO, MS

LOCATION.--Lat 31°33'12", long 90°05'16", in SW¼ 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 (1.6 km) east of Monticello, 2.5 mi (4.0 km) upstream from Halls Creek, 3 mi (5 km) upstream from Silver Creek and at mile 190.8 (307.0 km).

DRAINAGE AREA.--5,040 mi² (13,050 km²), approximately.

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 (48.360 m) National Geodetic Vertical Datum of 1929 (levels by 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.--Records good, except those for period of no gage-height records, Nov. 16 to Dec. 23, which are fair.

AVERAGE DISCHARGE.--40 years, 6,418 ft³/s (181.8 m³/s), 17.29 in/yr (439 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 78,200 ft³/s (2,210 m³/s) Apr. 14, 1974, gage height, 32.28 ft (9.839 m); minimum, 269 ft³/s (7.62 m³/s) Oct. 24, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in April 1902 reached a stage of about 33 ft (10 m), from reports of National Weather Service, discharge, about 100,000 ft³/s (2,830 m³/s), from rating curve extended above 70,000 ft³/s (1,980 m³/s).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29,100 ft³/s (824 m³/s) May 9, gage height, 23.60 ft (7.193 m); minimum, 518 ft³/s (14.7 m³/s) Sept. 7, gage height, 4.64 ft (1.414 m).

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.67	7.51	---	11.63	21.07	9.18	7.72	6.85	8.75	6.57	5.56	6.11
2	6.96	6.71	---	10.94	22.50	9.40	7.60	8.15	10.50	6.43	5.38	5.25
3	8.60	6.54	---	10.34	23.00	9.52	7.91	10.98	12.77	5.94	5.18	4.89
4	9.13	7.38	---	9.98	22.88	9.91	8.20	16.68	10.85	5.68	5.07	4.81
5	8.64	9.76	---	9.76	22.34	10.22	7.71	17.70	9.25	5.78	4.99	4.74
6	8.17	13.23	---	9.31	21.49	9.96	7.26	16.65	8.79	5.55	4.97	4.66
7	7.48	13.34	---	8.79	20.34	9.80	7.12	17.17	8.82	5.64	5.13	4.66
8	7.27	13.07	---	9.25	19.02	10.09	7.06	22.51	8.62	5.84	5.12	4.74
9	10.83	13.41	---	10.64	17.65	11.00	7.01	23.48	8.29	5.81	5.14	5.05
10	12.81	13.00	---	11.36	16.06	11.26	6.96	23.18	8.66	5.53	5.37	4.89
11	11.24	12.42	---	11.53	13.65	11.31	7.74	22.40	8.47	5.56	5.32	4.76
12	11.15	12.01	---	11.77	11.42	11.44	13.64	22.14	8.06	6.18	5.25	4.76
13	9.00	11.49	---	11.84	12.42	11.68	14.77	22.30	7.65	5.91	5.25	4.85
14	8.08	11.16	---	11.84	14.78	13.43	13.54	22.53	7.79	5.43	6.11	4.96
15	8.04	10.98	---	11.59	14.18	17.06	12.10	22.43	8.68	5.54	5.82	5.30
16	7.95	---	---	11.48	13.13	17.96	10.76	22.18	8.38	5.88	5.64	5.43
17	7.87	---	---	12.99	12.55	17.78	9.82	22.01	7.43	6.09	5.42	6.10
18	7.83	---	---	14.97	12.14	17.43	12.04	22.07	6.81	6.29	5.18	6.13
19	7.76	---	---	15.25	11.62	17.26	16.74	22.10	6.31	5.73	5.06	5.99
20	7.29	---	---	15.53	10.94	17.23	15.26	21.98	6.46	5.34	5.01	5.96
21	6.60	---	---	15.48	10.12	17.29	10.67	21.22	6.97	5.16	5.08	5.93
22	6.28	---	---	15.11	9.35	17.19	8.62	19.67	7.36	5.10	5.14	5.89
23	5.95	---	11.20	15.02	9.12	16.88	7.93	17.26	6.92	5.22	5.09	5.89
24	5.75	---	10.72	15.75	8.84	16.42	7.89	13.70	6.72	5.30	5.00	5.88
25	6.21	---	10.05	19.80	8.63	15.51	7.65	11.95	6.77	5.66	4.96	5.83
26	8.31	---	9.93	22.32	9.14	12.80	8.01	11.57	7.00	6.44	4.95	5.81
27	8.24	---	9.54	22.90	9.44	10.33	8.39	10.68	6.48	7.01	4.80	5.78
28	7.48	---	9.31	22.58	9.00	9.52	8.05	9.74	5.95	8.57	4.74	5.84
29	7.77	---	9.53	21.91	---	9.32	7.34	10.27	5.69	7.90	4.95	6.34
30	7.93	---	12.24	21.30	---	9.10	6.73	9.21	6.11	6.78	6.96	6.47
31	7.84	---	12.49	20.68	---	8.25	---	8.76	---	5.93	7.69	---
MEAN	8.10	---	---	14.31	14.53	12.76	9.41	17.08	7.91	5.99	5.33	5.46
MAX	12.81	---	---	22.90	23.00	17.96	16.74	23.48	12.77	8.57	7.69	6.47
MIN	5.75	---	---	8.79	8.63	8.25	6.73	6.85	5.69	5.10	4.74	4.66

PEARL RIVER BASIN

02488500 PEARL RIVER AT MONTICELLO, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1480	2400	22900	6950	22100	3820	2310	1610	3320	1400	1010	1400
2	1700	1730	23600	5930	25800	4080	2210	2700	5400	1300	893	813
3	3200	1610	23900	5210	27300	4220	2470	6240	8300	961	772	620
4	3760	2280	23600	4780	27000	4690	2750	14200	5820	792	710	584
5	3200	4740	23400	4510	25300	5060	2300	15600	3900	857	667	556
6	2730	8900	22900	3970	23100	4750	1930	14100	3370	708	658	526
7	2110	9040	22400	3370	20300	4560	1820	15100	3400	779	743	526
8	1940	8690	21700	3900	17600	4910	1770	25800	3180	922	737	556
9	6130	9130	21000	5570	15500	6020	1730	28800	2840	909	749	699
10	8740	8600	20300	6550	13300	6390	1690	27800	3230	747	887	620
11	6700	7850	19900	6790	9910	6470	2420	25500	3020	779	856	564
12	6600	7310	19000	7160	6620	6660	9900	24700	2610	1190	813	564
13	3980	6640	18000	7260	8110	7030	11500	25200	2250	1020	813	602
14	2930	6210	17000	7260	11500	9560	9770	25900	2370	734	1400	653
15	2890	5980	15600	6880	10700	14700	7650	25600	3250	818	1190	843
16	2800	5640	14100	6730	9170	16000	5710	24800	2930	1040	1070	926
17	2720	5400	12700	8940	8310	15700	4580	24400	2060	1180	919	1390
18	2680	4920	11300	11800	7700	15200	7620	24500	1580	1320	772	1420
19	2610	4440	9770	12200	6930	15000	14200	24600	1220	974	704	1320
20	2200	4080	8600	12600	5940	14900	12200	24300	1320	760	677	1290
21	1650	5760	7690	12500	4940	15000	5680	22400	1700	670	715	1270
22	1410	9640	7040	12000	4020	14900	3180	18900	2010	653	749	1240
23	1180	12100	6310	11800	3740	14400	2490	15000	1660	734	721	1240
24	1040	12300	5660	12900	3420	13800	2460	9980	1510	798	672	1240
25	1360	12100	4860	19400	3190	12500	2250	7420	1550	1010	653	1200
26	3200	11900	4720	25300	3770	8680	2560	6860	1720	1500	648	1190
27	3100	11600	4250	27000	4130	5200	2940	5620	1340	1890	580	1170
28	2360	11600	3970	26000	3600	4220	2600	4480	968	3570	556	1210
29	2620	13000	4240	24100	---	3980	1990	5120	798	2910	648	1580
30	2780	17300	7810	22600	---	3720	1520	3850	1080	1920	2070	1680
31	2690	---	8220	21100	---	2800	---	3340	---	1270	2710	---
TOTAL	94490	232890	436440	353060	333000	268920	134200	504420	79706	36115	27762	29492
MEAN	3048	7763	14080	11390	11890	8675	4473	16270	2657	1165	896	983
MAX	8740	17300	23900	27000	27300	16000	14200	28800	8300	3570	2710	1680
MIN	1040	1610	3970	3370	3190	2800	1520	1610	798	653	556	526
CFSM	.61	1.54	2.79	2.26	2.36	1.72	.89	3.23	.53	.23	.18	.20
IN.	.70	1.72	3.22	2.61	2.46	1.98	.99	3.72	.59	.27	.20	.22
CAL YR 1977 TOTAL	3014580	MEAN	8259	MAX	39500	MIN	380	CFSM	1.64	IN	22.25	
WTR YR 1978 TOTAL	2530495	MEAN	6933	MAX	28800	MIN	526	CFSM	1.38	IN	18.68	

LOCATION.--Lat 31°28'14", long 89°58'25", in SW¼ sec.24, T.6 N., R.20 W., St. Stephens Meridian, Lawrence County, Hydrologic Unit 03180003, near right bank on downstream side of bridge on State Highway 43, 1.2 mi (1.9 km) upstream from Illinois Central Railroad bridge, 2.3 mi (3.7 km) north of Oak Vale, and 3.7 mi (6.0 km) upstream from mouth.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 2,250 ft³/s (63.7 m³/s) May 8, no peak above base of 2,500 ft³/s (70.8 m³/s), gage height, 7.97 ft (2.429 m); minimum discharge, 96 ft³/s (2.72 m³/s) Sept. 25, 26, gage height, 3.92 ft (1.195 m).

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	107	121	827	207	477	167	125	113	133	111	107	105
2	111	125	334	179	742	155	123	113	406	129	103	102
3	125	131	229	162	460	157	123	218	523	107	105	102
4	115	157	191	151	288	155	123	282	212	105	107	103
5	109	502	172	148	240	146	121	169	155	105	105	102
6	109	445	157	148	215	144	121	137	137	105	107	102
7	109	207	142	151	197	148	121	460	131	105	105	115
8	109	162	137	232	184	172	119	1070	298	103	119	105
9	135	157	137	267	174	153	119	1420	232	103	113	113
10	151	162	144	191	169	144	119	795	153	102	109	102
11	140	144	135	164	167	140	157	273	135	102	109	100
12	176	135	131	160	162	137	226	321	146	102	117	103
13	148	129	137	160	181	135	223	398	133	102	111	107
14	129	127	273	157	191	155	189	402	129	102	115	109
15	125	123	267	153	164	167	151	215	123	103	111	121
16	123	121	202	162	160	144	137	169	123	103	109	123
17	121	121	179	221	155	135	133	199	125	103	105	109
18	121	119	167	232	155	131	282	221	121	100	103	103
19	119	119	162	223	148	131	395	176	119	100	105	100
20	119	121	155	252	146	129	210	157	119	102	117	100
21	117	155	153	204	144	129	157	151	123	98	117	100
22	117	464	148	181	142	129	142	148	197	98	115	100
23	117	321	146	176	140	129	135	142	117	103	107	100
24	117	202	146	338	137	129	129	140	109	102	107	98
25	160	167	146	900	140	157	135	137	107	100	105	96
26	210	148	151	981	229	142	148	135	105	100	103	96
27	151	142	146	502	199	133	129	135	105	229	103	98
28	129	142	142	276	174	129	121	197	103	131	103	135
29	125	144	181	226	---	127	117	169	103	113	105	111
30	123	567	384	204	---	127	113	155	103	111	121	103
31	123	---	282	218	---	125	---	140	---	107	109	---
TOTAL	3990	5880	6303	7926	6080	4409	4643	8957	4825	3386	3377	3163
MEAN	129	196	203	256	217	142	155	289	161	109	109	105
MAX	210	567	827	981	742	172	395	1420	523	229	121	135
MIN	107	119	131	148	137	125	113	113	103	98	103	96
CFSM	.99	1.50	1.55	1.95	1.66	1.08	1.18	2.21	1.23	.83	.83	.80
IN.	1.13	1.67	1.79	2.25	1.73	1.25	1.32	2.54	1.37	.96	.96	.90
CAL YR 1977	TOTAL	75176	MEAN 206	MAX	2140	MIN 102	CFSM 1.57	IN 21.35				
WTR YR 1978	TOTAL	62939	MEAN 172	MAX	1420	MIN 96	CFSM 1.31	IN 17.87				

02489000 PEARL RIVER NEAR COLUMBIA, MS

LOCATION.--Lat 31°14'14", long 89°50'54", in E₁ 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 (2.4 km) southwest of Columbia, 2.0 mi (3.2 km) downstream from Fernwood, Columbia and Gulf Railroad bridge, 2.2 mi (3.5 km) upstream from Silver Creek and at mile 137.8 (221.7 km).

DRAINAGE AREA.--5,690 mi² (14,700 km²), approximately.

PERIOD OF RECORD.--August 1928 to September 1954 (monthly discharge only for January to July 1930, published in WSP 1304). January 1972 to current year (gage heights only). Gage height records collected at same site November 1904 to December 1971 are contained in reports of National Weather Service.

GAGE.--Nonrecording gage. Datum of gage is 115.81 ft (35.299 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to August 1928, nonrecording gages at various sites and datums in the vicinity maintained by National Weather Service. August 1928 to May 26, 1934, nonrecording gage at site 1.0 mi (1.6 km) downstream at datum 0.37 ft (0.113 m) higher. May 26, 1934, to September 1954, water-stage recorder at present site and datum.

REMARKS.--Records furnished by National Weather Service.

AVERAGE DISCHARGE.--26 years (1928-54), 7,384 ft³/s (209 m³/s), 17.62 in/yr (448 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--1928-1954: Maximum discharge, 72,600 ft³/s (2,060 m³/s) Apr. 9, 1938 (gage height, 26.40 ft or 8.047 m); minimum, 705 ft³/s (20.0 m³/s) Oct. 21, 1952 (gage height 0.81 ft or 0.247 m). 1904 to current year: Maximum observed gage height, 27.00 ft (8.230 m) Apr. 15, 1974.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1874 reached a stage of about 31 ft (9.4 m), from information by National Weather Service.

EXTREMES FOR CURRENT YEAR.--Maximum observed 18.45 ft (5.624 m) May 12; minimum 2.10 ft (0.640 m) Sept. 9.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
INSTANTANEOUS OBSERVATIONS AT 0700

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.52	4.24	15.18	9.96	16.50	6.65	5.97	4.93	6.57	3.23	3.97	4.87
2	3.51	4.58	17.00	9.28	16.43	6.23	5.83	4.10	6.05	3.67	3.13	5.08
3	3.84	4.59	17.16	8.33	17.12	6.50	5.00	4.83	8.06	3.85	3.08	3.23
4	4.30	3.77	17.53	7.73	17.63	6.73	4.88	7.93	16.63	3.54	2.84	3.10
5	5.82	5.56	17.55	7.49	17.76	6.93	5.15	12.10	8.74	3.35	2.63	2.93
6	5.63	7.23	17.48	6.89	17.71	7.12	5.33	12.93	7.93	3.29	2.59	2.23
7	5.29	9.00	17.13	6.67	17.39	7.02	4.89	13.12	6.37	3.17	2.42	2.21
8	5.10	10.01	16.77	6.24	17.00	7.14	4.83	13.97	6.42	3.07	2.45	2.12
9	4.19	9.29	16.28	7.10	16.83	7.16	4.28	17.12	7.43	3.18	2.53	2.10
10	4.67	9.27	16.07	8.00	16.54	8.00	4.22	18.23	6.08	3.23	2.58	2.24
11	9.00	9.61	15.83	8.18	13.12	8.17	4.07	18.42	6.02	3.14	2.63	2.29
12	9.33	9.12	15.80	8.23	11.22	8.27	4.67	18.45	6.09	3.08	2.84	2.25
13	8.16	8.76	15.52	8.32	9.98	8.23	7.12	17.73	5.57	3.00	3.10	2.32
14	7.53	8.49	14.84	8.50	8.83	8.35	11.58	17.45	5.00	3.38	3.15	2.34
15	5.88	8.00	14.16	8.67	10.37	9.33	11.05	17.48	4.89	3.45	3.78	2.46
16	5.12	7.69	13.69	8.42	11.27	11.73	9.68	17.50	5.67	2.90	3.43	3.13
17	4.93	7.43	13.22	8.35	10.38	13.17	8.55	17.34	5.77	2.87	3.30	2.97
18	4.82	6.98	13.00	8.87	9.83	13.53	7.43	17.10	5.00	3.17	3.12	3.00
19	4.79	6.83	10.58	10.47	9.52	13.37	10.83	18.00	4.83	3.19	2.83	3.35
20	4.76	6.21	10.09	11.63	8.85	12.91	11.27	17.47	3.75	3.11	2.86	3.23
21	4.65	6.13	9.69	11.65	8.37	12.78	12.76	17.05	3.63	2.92	2.43	3.09
22	4.59	6.42	9.23	11.80	7.77	12.76	10.60	16.83	4.15	2.89	2.40	2.96
23	3.50	6.68	8.22	11.49	7.32	13.00	7.23	16.46	4.77	2.53	2.42	3.00
24	3.41	12.36	7.87	11.32	6.43	12.98	5.93	15.43	4.32	2.65	2.43	3.02
25	4.00	12.47	7.62	12.49	6.00	12.63	5.67	12.83	4.14	2.68	2.45	3.01
26	3.79	11.77	7.50	15.53	5.89	12.00	5.33	9.00	3.97	2.57	2.41	3.00
27	3.82	11.00	7.42	16.60	6.43	11.73	5.36	8.76	4.05	3.77	2.39	2.99
28	5.50	10.73	6.83	17.28	6.68	9.00	5.50	8.63	4.27	4.58	2.37	3.05
29	5.16	18.63	6.76	17.89	---	7.33	5.63	7.78	3.79	5.19	2.38	3.09
30	4.73	12.78	6.43	17.60	---	6.87	5.13	7.47	3.68	5.53	2.30	3.15
31	4.56	---	8.32	17.49	---	6.50	---	7.55	---	4.69	2.86	---
MEAN	5.09	8.59	12.61	10.60	11.76	9.49	6.86	13.35	5.79	3.38	2.78	2.93
MAX	9.33	18.63	17.55	17.89	17.76	13.53	12.76	18.45	16.63	5.53	3.97	5.08
MIN	3.41	3.77	6.43	6.24	5.89	6.23	4.07	4.10	3.63	2.53	2.30	2.10

CAL YR 1977 MEAN 8.34 MAX 21.56 MIN 2.02
WTR YR 1978 MEAN 7.75 MAX 18.63 MIN 2.10

02489500 PEARL RIVER NEAR BOGALUSA, LA

LOCATION.--Lat 30°47'35", long 89°49'15", on line between secs. 17 and 18, T.3 S., R.14 E., Washington Parish, Hydrologic Unit 03180004, near right bank on downstream side of bridge on State Highway 10, 210 mi (3.2 km) east of Bogalusa, and 2.0 mi (3.2 km) upstream from Bogue Lusa Creek.

DRAINAGE AREA.--6,630 mi² (17,170 km²), approximately.

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

GAGE.--Water-stage recorder. Datum of gage is 55.00 ft (16.764 m) 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.

AVERAGE DISCHARGE.--40 years, 9,363 ft³/s (265.2 m³/s), 19.18 in/yr (487 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 99,000 ft³/s (2,800 m³/s) Apr. 17, 1974, gage height, 22.13 ft (6.745 m); minimum, 1,020 ft³/s (28.9 m³/s) Oct. 29 to Nov. 1, 1963; minimum gage height, 4.84 ft (1.475 m) Oct. 30, 31, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 11, 1938, reached a stage of 21.0 ft (6.40 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 37,300 ft³/s (1,060 m³/s) Feb. 3, gage height, 19.52 ft (5.950 m); minimum, 1,830 ft³/s (51.8 m³/s) Sept. 9, 10, gage height, 7.00 t (2.134 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3550	4550	21200	11600	36700	8370	6650	4530	7080	2940	3870	2820
2	3260	4500	26200	11400	36900	7790	5880	4000	6440	2930	3260	3490
3	3260	4490	29300	10100	37100	7430	5150	5240	6530	3100	2740	3080
4	3450	4340	31800	8930	36700	7870	4810	11000	10000	3150	2470	2520
5	4140	6200	33900	8200	36900	7650	4900	13900	12900	2940	2300	2170
6	4730	9230	35000	7760	36900	7580	5120	16100	10400	2830	2260	2010
7	4550	10100	35400	7500	36900	7960	4860	17500	8080	2810	2230	1930
8	4250	11100	35000	7660	36500	9500	4400	18300	8530	3060	2240	1870
9	3840	11500	34300	8640	35200	9650	4140	21600	11200	3130	2270	1840
10	3750	12400	32900	8820	31800	8990	4000	27700	9840	2890	2330	1850
11	6190	12100	31700	8990	26200	9100	4050	31700	7330	2860	2340	1920
12	9190	11200	30500	9390	20100	9250	4720	34100	6550	2750	2850	2010
13	8840	10200	29800	9830	15800	9250	7300	35600	6320	2580	3130	2020
14	7660	9500	29000	10000	12200	9420	11800	36000	5760	2640	4500	2080
15	6240	8860	27400	10000	12000	10200	13500	35400	5010	2980	5910	2120
16	4800	8490	24400	9850	13800	12100	12400	34600	4730	3230	4740	2210
17	4400	8200	21700	9930	13700	15300	10300	34100	5220	3130	3660	2630
18	4210	7680	19300	11100	12400	17100	9500	34300	5420	2900	2980	2460
19	4090	7000	16500	13000	11300	17900	11700	34100	4640	2760	2640	2450
20	4010	6610	13800	15500	10500	18000	14000	34100	4000	2810	2400	2570
21	3930	6350	12200	16400	9720	17900	15900	34100	3590	2710	2260	2510
22	3700	8080	11100	16300	8880	17800	15100	33700	3450	2640	2330	2470
23	3310	10800	9770	16000	7990	17800	10400	32900	3670	2590	2500	2460
24	3090	14000	8990	15900	7170	17900	7260	31200	4000	2460	2460	2460
25	5140	16100	8830	18900	6730	18000	5910	26100	3830	2430	2340	2470
26	12700	16000	8410	25000	6470	17700	5590	17600	3620	2450	2220	2470
27	9500	14500	7760	29000	6880	16200	5260	12600	3630	2770	2160	2670
28	6970	14100	7360	31700	7580	12700	5180	10400	3590	3740	2110	3010
29	5790	14700	7160	33600	---	9200	5320	8960	3430	4120	2090	2760
30	4780	16100	8580	35200	---	7660	5080	7990	3110	4580	2110	2590
31	4520	---	10400	36100	---	7070	---	7850	---	4480	2360	---
TOTAL	161840	298980	659660	472300	571020	370340	230180	707270	181900	93390	86060	71920
MEAN	5221	9966	21280	15240	20390	11950	7673	22820	6063	3013	2776	2397
MAX	12700	16100	35400	36100	37100	18000	15900	36000	12900	4580	5910	3490
MIN	3090	4340	7160	7500	6470	7070	4000	4000	3110	2430	2090	1840
CFSM	.74	1.50	3.21	2.30	3.08	1.80	1.16	3.44	.91	.45	.42	.36
IN.	.91	1.68	3.70	2.65	3.20	2.08	1.29	3.97	1.02	.52	.48	.40
CAL YR 1977 TOTAL	4564600			12510		49400		1860		1.89		25.61
WTR YR 1978 TOTAL	3904860			10700		37100		1840		1.61		21.91

PEARL RIVER BASIN

02490500 BOGUE CHITTO NEAR TYLERTOWN, MS

LOCATION.--Lat 31°10'37", long 90°16'48", in SE¼ 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 (0.3 km) upstream from Fernwood, Columbia and Gulf Railroad bridge, 0.2 mi (0.3 km) upstream from Bars Branch, 2.2 mi (3.5 km) downstream from Topisaw Creek, and 9 mi (14 km) northwest of Tylertown.

DRAINAGE AREA.--502 mi² (1,300 km²).

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

REVISED RECORDS.--WSP 1504: 1945 (P), 1946(M), 1947-51, 1953.

GAGE.--Water-stage recorder. Datum of gage is 227.40 ft (69.312 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--34 years, 791 ft³/s (22.40 m³/s), 21.40 in/yr (544 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 45,700 ft³/s (1,290 m³/s) Jan. 7, 1950, gage height, 33.50 ft (10.211 m); minimum, 175 ft³/s (4.96 m³/s) Oct. 31, 1963; minimum gage height, 6.08 ft (1.853 m), part of each day Oct. 13-22, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in February 1936 reached a stage 1.2 ft (0.37 m) higher than the flood of Jan. 7, 1950, at the railroad bridge, 0.2 mi (0.3 km) downstream.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 6,000 ft³/s (170 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Jan.26	0530	6090	172	15.09	4.599	May 9	1300	*14200	402	21.79	6.642

Minimum discharge, 292 ft³/s (8.30 m³/s) Aug. 7, gage height, 6.57 ft (2.003 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	283	303	2500	1000	1910	621	345	351	432	397	321	835
2	293	384	2300	700	3740	556	339	381	710	357	309	443
3	408	746	1300	600	3250	532	330	1230	2310	342	306	366
4	457	1190	900	520	3140	532	327	1910	2620	330	303	345
5	349	1230	640	500	1720	496	318	1170	1820	324	298	333
6	303	1490	540	480	1120	464	315	711	895	378	295	315
7	288	1420	490	468	930	460	309	1920	612	457	300	312
8	282	738	470	940	815	516	306	8820	1330	408	540	309
9	321	702	460	1460	742	532	300	12500	1440	345	464	306
10	448	602	480	1140	684	504	295	6530	688	333	381	306
11	635	524	460	780	643	460	390	2590	532	372	414	306
12	586	468	440	661	607	443	742	1250	536	354	432	312
13	533	436	450	616	702	422	810	1840	512	330	480	321
14	401	418	840	576	1180	576	652	1970	439	327	870	363
15	341	404	800	532	1190	965	688	1480	404	321	810	457
16	315	397	700	512	805	1100	401	775	384	321	692	439
17	302	390	900	634	648	679	360	765	372	336	415	425
18	297	384	700	1040	598	464	742	1660	363	324	363	366
19	296	390	580	1060	560	429	2060	955	360	312	342	342
20	294	394	480	1100	536	404	1150	661	351	306	333	324
21	294	1050	450	1100	504	394	612	564	345	300	336	315
22	291	2110	430	830	484	381	476	580	342	300	321	318
23	290	1630	420	715	468	372	422	500	342	306	318	318
24	295	1050	410	1080	457	524	394	457	342	318	312	303
25	318	720	420	4120	457	746	401	436	354	439	321	298
26	330	589	440	5900	670	715	422	429	375	532	306	303
27	401	528	450	5370	995	500	429	457	339	476	306	404
28	354	500	430	3520	780	425	384	415	327	404	330	324
29	321	560	600	1600	---	387	366	397	324	381	516	318
30	309	1500	1500	1070	---	372	357	387	715	345	1010	315
31	306	---	1600	1080	---	357	---	415	---	330	1360	---
TOTAL	10941	23247	23580	41704	30335	16328	15442	54506	20915	11105	14104	10741
MEAN	353	775	761	1345	1083	527	515	1758	697	358	455	358
MAX	635	2110	2500	5900	3740	1100	2060	12500	2620	532	1360	835
MIN	282	303	410	468	457	357	295	351	324	300	295	298
CFSM	.70	1.54	1.52	2.68	2.16	1.05	1.03	3.50	1.39	.71	.91	.71
IN.	.81	1.72	1.75	3.09	2.25	1.21	1.14	4.04	1.55	.82	1.05	.80
CAL YR 1977 TOTAL	288921			MEAN 792	MAX 22700	MIN 250	CFSM 1.58	IN 21.41				
WTR YR 1978 TOTAL	272948			MEAN 748	MAX 12500	MIN 282	CFSM 1.49	IN 20.23				

TENNESSEE RIVER MAIN STEM

03589500 TENNESSEE RIVER AT FLORENCE, AL

LOCATION.--Lat 34°47'13", long 87°40'12", in SW¼ sec.14, T.3 S., R.11 W., Lauderdale County, Hydrologic Unit 06030005, on right bank at lower end of Patton Island, 137 ft (41.8 m) upstream from Southern Railway bridge, 700 ft (213 m) upstream from O'Neal Bridge on U.S. Highway 72, 1.1 mi (1.8 km) south of Florence Post Office, 1.7 mi (2.7 km) upstream from Cypress Creek, 2.7 mi (4.3 km) downstream from Wilson Dam, and at mile 256.7 (413.0 km).

DRAINAGE AREA.--30,810 mi², approximately, (79,798 km²).

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 (122.261 m) 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 (41.8 m) 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 (427 m) upstream at same datum. Since Oct. 1, 1938, auxiliary water-stage recorder 15.2 mi (24.5 km) downstream.

REMARKS.--Water-discharge records good except those below 25,000 ft³/s (708 m³/s), which are fair. 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.--84 years, 51,720 ft³/s (1465 m³/s), 22.80 in/yr (579 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 530,000 ft³/s (1,500 m³/s) Mar. 17, 1973 (gage height, 30.03 ft (9.153 m)); minimum daily, 105 ft³/s (2.97 m³/s) Sept. 7, 1969 (computed on basis of Wilson Dam records); minimum gage height, -0.30 ft (-0.914 m) Oct. 8, 1925, caused by filling of Wilson Lake.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1867 reached a stage of 31.1 ft (9.48 m), from National Weather Service records, discharge, 421,000 ft³/s (1,190 m³/s). Maximum observed, 32.5 ft (9.91 m), Mar. 19, 1897.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 226,000 ft³/s (6400 m³/s) May 9, gage height, 21.74 ft (6.626 m); minimum daily, 17,500 ft³/s (496 m³/s) Apr. 22.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54500	78300	181000	79000	134000	56800	36400	18800	40000	29300	37600	32700
2	51300	65400	165000	72600	115000	51100	26900	28200	38900	25100	43100	36100
3	56800	60900	148000	78900	113000	51300	29900	46200	31700	26400	42700	34000
4	63700	61100	146000	71300	89000	60000	32700	53400	24900	41600	38600	33600
5	42500	79100	139000	73300	82300	63500	31000	50500	31700	48900	37900	39800
6	52400	109000	130000	71600	82400	55100	33100	48300	37600	45000	44700	36800
7	50200	111000	126000	65600	68900	62300	32000	65600	36400	40000	41700	33900
8	48500	127000	122000	74900	67700	60000	25300	121000	86400	33900	41300	30300
9	59600	129000	125000	85600	63800	50400	21100	174000	107000	27100	43600	35100
10	71000	120000	115000	89800	63800	79600	19100	102000	62400	36000	43500	27600
11	78700	112000	113000	96300	57200	89700	28500	95900	52900	31800	49600	34300
12	75300	106000	104000	101000	63700	89600	25900	78000	54400	28800	41900	48200
13	77700	103000	96700	104000	57100	94900	31200	69000	48600	33300	40100	36100
14	68800	90700	96800	81900	54400	110000	29400	61500	47000	37600	43500	41600
15	60300	90200	96500	83000	47700	111000	31300	39300	41000	35000	48600	38400
16	51500	86000	96700	82300	59900	112000	20400	47500	26700	37200	51200	45800
17	51900	86900	98300	89400	50100	114000	18000	44400	33100	35000	49100	33000
18	42600	89000	93100	93200	57200	114000	28000	39300	31500	38800	56300	41100
19	44600	91600	88700	93400	51000	114000	30700	39600	34000	35000	41400	46100
20	38200	97700	91900	101000	52500	92900	27300	25200	35500	43200	37700	41500
21	32100	108000	96000	92400	56500	70700	25700	18200	28700	41100	44900	37400
22	38000	121000	90300	91400	42500	63100	17500	28000	29600	29300	43000	31500
23	37900	129000	83900	98800	49900	56600	19200	32300	31800	29100	47000	23600
24	46400	135000	82300	103000	45800	49900	26000	31100	28400	29900	42500	19100
25	55700	134000	85200	113000	48600	47600	28000	33700	26200	35200	57500	29500
26	74600	133000	97000	131000	44800	40000	28000	33100	44600	33200	33000	33400
27	75400	135000	103000	133000	50600	44100	18600	32400	47900	30900	26500	30400
28	72400	138000	103000	147000	57600	45200	18500	28700	33600	31500	42700	31500
29	73500	169000	103000	150000	---	33600	18900	31200	35800	33900	39000	28500
30	67300	204000	103000	152000	---	35700	26100	33100	29000	34300	37300	19500
31	77100	---	95600	152000	---	31700	---	34600	---	40000	39100	---
TOTAL	1790500	3299900	3415000	3051700	1827000	2150400	784700	1584100	1237300	1077400	1326600	1030400
MEAN	57760	110000	110200	98440	65250	69370	26160	51100	41240	34750	42790	34350
MAX	78700	204000	181000	152000	134000	114000	36400	174000	107000	48900	57500	48200
MIN	32100	60900	82300	65600	42500	31700	17500	18200	24900	25100	26500	19100
CFSM	1.88	3.57	3.58	3.20	2.12	2.25	.85	1.66	1.34	1.13	1.39	1.12
IN.	2.16	3.98	4.12	3.68	2.21	2.60	.95	1.91	1.49	1.30	1.60	1.24
CAL YR 1977	TOTAL	22543100	MEAN	61760	MAX	255000	MIN	11200	CFSM	2.01	IN	27.22
WTR YR 1978	TOTAL	22575000	MEAN	61850	MAX	204000	MIN	17500	CFSM	2.01	IN	27.26

TENNESSEE RIVER BASIN

03592500 BEAR CREEK AT BISHOP, AL

LOCATION.--Lat 34°39'21", long 88°07'21", in SE¼ sec.5, T.5 S., R.15 W., Colbert County, Hydrologic Unit 06030006, on left bank 250 ft (76 m) upstream from highway bridge, 0.5 mi (0.8 km) downstream from Cedar Creek, 0.8 mi (1.3 km) southwest of Bishop, and at mile 27.3 (43.9 km).

DRAINAGE AREA.--667 mi² (1,728 km²).

PERIOD OF RECORD.--August 1926 to June 1928, February 1929 to March 1932, June 1933 to current year.

REVISED RECORDS.--WSP 698: 1929. WSP 823: Drainage area. WSP 853: 1927, 1928(M), 1929, 1930(M), 1932(M).

GAGE.--Water-stage recorder. Datum of gage is 419.91 ft (127.989 m) National Geodetic Vertical Datum of 1929. Nonrecording gage prior to June 23, 1928, and Feb. 10, 1929, to Mar. 31, 1932, at site 35 ft (11 m) downstream, and June 7, 1933, to May 28, 1934, at bridge 20 ft (6 m) downstream at datum 5.00 ft (1.524 m) lower.

REMARKS.--Water-discharge record good. Flow partially regulated by Bear Creek Reservoir, 47.3 mi (76.1 km) upstream beginning Mar. 14, 1969.

AVERAGE DISCHARGE.--48 years (water years 1926-27, 1929-31, 1933-78), 1129 ft³/s (31.97 m³/s), 22.99 in/yr (584 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 60,800 ft³/s (1,720 m³/s) Mar. 17, 1973, gage height, 24.12 ft (7.352 m), in gage well, 25.2 ft (7.67 m) from floodmarks 20 ft (6.1 m) upstream from gage; minimum discharge, 9.3 ft³/s (0.26 m³/s) Sept. 15-17, 1954; minimum gage height, -0.15 ft (-0.046 m) Sept. 1, 1943.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 7,500 ft³/s (212 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 14	1345	7900 224	14.14 4.310	May 8	2200	18100 513	*17.86 5.444

Minimum daily discharge, 61 ft³/s (1.73 m³/s) Sept. 10, 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	706	1180	3620	1130	1160	540	543	686	1570	224	88	77
2	983	1170	3630	985	1090	531	473	811	1210	259	96	78
3	935	1540	3460	896	992	819	452	744	1180	243	89	78
4	634	2200	3180	857	940	940	439	1310	1140	311	145	75
5	351	2370	2940	763	898	912	429	1260	916	257	150	73
6	229	2870	2330	663	837	763	425	1040	861	166	150	69
7	204	2320	1660	633	730	733	410	8210	2330	148	128	65
8	652	2450	1790	1000	683	769	396	14400	6150	139	150	64
9	1050	2130	2090	1960	664	1000	386	12900	4100	139	300	62
10	1170	1520	1940	1680	647	2120	378	6440	3270	153	155	61
11	1170	1610	1780	1300	628	2140	588	4020	2880	314	152	61
12	1070	1500	1650	1120	604	1760	626	3360	2600	347	136	65
13	1180	1430	1310	1070	628	1560	474	3590	2400	259	145	113
14	855	1360	1100	924	622	6780	428	3880	1960	414	139	195
15	600	1080	1020	951	584	5800	455	2720	1470	246	150	163
16	398	1200	959	924	556	3790	443	2640	946	270	126	126
17	279	2400	954	1720	500	2810	432	2440	730	261	111	116
18	270	2100	1020	1550	483	1760	867	2280	605	246	104	107
19	358	1740	1050	1370	470	1450	1040	2090	644	237	95	104
20	341	1640	904	1370	455	1220	687	2310	623	214	90	101
21	285	3910	789	1280	459	985	583	2380	543	176	86	98
22	318	5360	794	1230	449	859	527	2270	417	138	82	96
23	327	4700	771	1090	447	764	509	1700	490	120	78	86
24	323	3420	839	1460	440	778	517	1450	417	113	77	77
25	1340	2910	1340	2920	422	792	585	1400	417	111	74	74
26	1580	2570	1010	4220	421	783	647	1420	378	118	85	73
27	1360	2470	1030	3500	413	736	632	1060	330	115	78	72
28	1290	2490	1060	2900	467	726	634	890	302	108	72	95
29	1240	5050	1020	2040	---	732	592	1190	237	102	70	92
30	1180	5220	1110	1630	---	600	530	2110	220	98	74	86
31	1150	---	1220	1280	---	576	---	1950	---	90	74	---
TOTAL	23828	73910	49370	46416	17689	46528	16127	95151	41336	6136	3549	2702
MEAN	769	2464	1593	1497	632	1501	538	3069	1378	198	114	90.1
MAX	1580	5360	3630	4220	1160	6780	1040	14400	6150	414	300	195
MIN	204	1080	771	633	413	531	378	686	220	90	70	61
CFSM	1.15	3.69	2.39	2.24	.95	2.25	.81	4.60	2.07	.30	.17	.14
IN.	1.33	4.12	2.75	2.59	.99	2.59	.90	5.31	2.31	.34	.20	.15

CAL YR 1977	TOTAL	464869	MEAN	1274	MAX	14700	MIN	53	CFSM	1.91	IN	25.93
WTR YR 1978	TOTAL	422742	MEAN	1158	MAX	14400	MIN	61	CFSM	1.74	IN	23.58

03592718 LITTLE YELLOW CREEK EAST NEAR BURNSVILLE, MS

LOCATION.--Lat 34°50'01", long 88°17'08", in SE¼ sec.7, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, at bridge 0.2 mi (0.3 km) northeast of Walkers Siding and 2.0 mi (3.2 km) east of Burnsville.

DRAINAGE AREA.--24.7 mi² (64.0 km²), Tennessee Valley Authority.

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

GAGE.--Water-stage recorder. Altitude of gage is 440 ft or 134.1 m (from topographic map).

REMARKS.--Records fair.

AVERAGE DISCHARGE.--5 years, 47.2 ft³/s (1.337 m³/s), 25.95 in/yr (659 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,310 ft³/s (93.7 m³/s) May 8, 1978, gage height, 19.19 ft (5.849 m); minimum, 2.8 ft³/s (0.079 m³/s) Aug. 25, 1977, gage height, 6.04 ft (1.841 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--A discharge of 3,180 ft³/s (90.1 m³/s), gage height, 19.12 ft (5.828 m) was measured March 16, 1973.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 700 ft³/s (19.8 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Nov. 21	1530	2300	65.1	Mar. 14	0845	1200	34.0
Nov. 29	2045	2860	81.0	May 8	1445	*3310	93.7
							19.19
							5.480

Minimum daily discharge, 3.9 ft³/s (0.11 m³/s) Aug. 29, Sept. 9-10.

REVISIONS.--The maximum discharges for the period May to September 1973 and water year 1976 have been revised to 498 ft³/s (14.1 m³/s) May 27, 1973, gage height, 15.15 ft (4.618 m), and 676 ft³/s (19.1 m³/s), February 18, 1976, gage height, 16.54 ft (5.041 m), superseding figures published in reports for 1974 and 1976.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	15	609	24	40	23	22	85	18	7.0	4.8	6.2
2	10	14	127	21	39	35	21	37	16	7.2	4.6	6.8
3	7.4	54	61	18	34	57	20	38	14	7.0	5.2	6.4
4	6.1	41	50	18	33	30	19	111	13	6.6	5.1	6.0
5	5.4	65	46	23	31	23	19	46	12	6.2	5.0	5.2
6	5.1	34	36	31	27	19	19	34	11	6.0	4.8	4.7
7	4.9	25	30	26	26	17	18	1070	41	6.0	4.5	4.3
8	78	21	30	94	25	16	17	1720	156	5.9	20	4.1
9	61	20	45	56	26	87	16	508	42	6.7	80	3.9
10	17	17	27	37	25	94	15	86	23	16	30	3.9
11	12	15	25	36	24	56	69	46	17	13	10	4.0
12	9.5	14	25	39	25	46	30	43	15	9.0	8.0	4.3
13	8.3	14	27	41	41	48	24	88	13	11	9.0	4.8
14	7.9	14	38	33	27	778	21	40	10	35	10	14
15	7.4	13	27	30	22	126	19	33	8.8	14	7.5	9.5
16	6.9	82	24	42	22	61	18	31	7.8	9.9	6.5	8.3
17	6.8	85	69	130	19	48	18	29	6.2	7.9	5.8	7.3
18	6.7	31	77	58	19	41	56	27	5.8	7.5	6.3	6.1
19	6.4	23	40	50	16	38	29	27	13	7.0	5.3	5.2
20	6.0	24	32	44	15	34	23	28	14	6.6	4.9	4.7
21	6.0	1100	28	40	20	40	21	30	38	6.2	4.9	4.5
22	5.9	337	24	39	17	38	19	23	33	6.0	5.1	4.0
23	6.2	82	24	40	22	32	21	20	21	5.8	4.3	4.0
24	6.8	45	26	162	18	31	20	18	17	5.7	4.2	4.7
25	294	37	30	318	18	46	29	17	13	5.6	4.0	4.8
26	61	30	22	263	15	34	21	16	11	6.5	4.4	4.7
27	29	44	21	80	14	30	18	15	9.5	6.0	4.4	4.4
28	22	51	19	59	36	27	17	30	8.7	5.7	4.0	5.4
29	19	1210	20	48	---	25	15	44	8.0	5.4	3.9	6.2
30	17	833	37	41	---	24	15	37	7.5	5.7	5.5	6.0
31	16	---	27	40	---	23	---	24	---	5.0	5.9	---
TOTAL	769.7	4390	1723	1981	696	2027	689	4401	623.3	259.1	287.9	168.4
MEAN	24.8	146	55.6	63.9	24.9	65.4	23.0	142	20.8	8.36	9.29	5.61
MAX	294	1210	609	318	41	778	69	1720	156	35	80	14
MIN	4.9	13	19	18	14	16	15	15	5.8	5.0	3.9	3.9
CFSM	1.00	5.91	2.25	2.59	1.01	2.65	.93	5.75	.84	.34	.38	.23
IN.	1.16	6.61	2.59	2.98	1.05	3.05	1.04	6.63	.94	.39	.43	.25

CAL YR 1977 TOTAL 16554.2 MEAN 45.4 MAX 1520 MIN 3.3 CFSM 1.84 IN 24.93
WTR YR 1978 TOTAL 18015.4 MEAN 49.4 MAX 1720 MIN 3.9 CFSM 2.00 IN 27.13

TENNESSEE RIVER BASIN

03592800 YELLOW CREEK NEAR DOSKIE, MS

LOCATION.--Lat 34°54'02", long 88°17'35", in SW¼ sec.18, T.2 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, near right bank on downstream side of Moser Bridge on county road, 0.4 mi (0.6 km) south of Doskie, and 5.8 mi (9.3 km) northeast of Burnsville.

DRAINAGE AREA.--143 mi² (370 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--May 1973 to January 1978 (discontinued). Nov. 13, 1937 through 1959 in reports of Tennessee Valley Authority.

GAGE.--Water-stage recorder. Datum of gage is 421.12 ft (128.357 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,100 ft³/s (343 m³/s) Jan. 11, 1974, gage height, 12.59 ft (3.837 m); minimum, 10.0 ft³/s (0.28 m³/s) Sept. 3, 1977.

EXTREMES FOR CURRENT PERIOD.--Oct. 1, 1977, to Jan. 31, 1978; maximum discharge, 5,940 ft³/s (168 m³/s) Nov. 30, gage height, 10.75 ft (3.277 m); only peak above base of 2,000 ft³/s (56.6 m³/s); minimum, 43 ft³/s (1.22 m³/s) Oct. 23, gage height, 3.48 ft (1.061 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	81	5290	146								
2	74	76	1780	125								
3	63	209	725	104								
4	55	92	472	111								
5	52	196	379	127								
6	50	257	275	169								
7	48	167	215	156								
8	374	126	203	525								
9	667	108	352	665								
10	197	99	231	257								
11	94	89	187	173								
12	74	85	183	197								
13	65	79	183	248								
14	63	75	308	187								
15	56	71	203	155								
16	52	376	170	200								
17	49	865	312	824								
18	49	415	585	536								
19	48	179	299	299								
20	45	179	219	246								
21	45	1120	191	201								
22	46	2390	166	191								
23	45	1190	158	191								
24	46	540	161	532								
25	725	319	189	927								
26	843	200	144	1040								
27	326	242	133	675								
28	147	334	120	414								
29	110	1890	122	327								
30	94	5740	196	270								
31	86	---	169	246								
TOTAL	4788	17789	14320	10464	---	---	---	---	---	---	---	---
MEAN	154	593	462	338	---	---	---	---	---	---	---	---
MAX	843	5740	5290	1040	---	---	---	---	---	---	---	---
MIN	45	71	120	104	---	---	---	---	---	---	---	---
CFSM	1.08	4.15	3.23	2.36	---	---	---	---	---	---	---	---
IN.	1.25	4.63	3.73	2.72	---	---	---	---	---	---	---	---

CAL YR 1977 TOTAL 92743 MEAN 254 MAX 5740 MIN 11 CFSM 1.78 IN 24.13

03592800 YELLOW CREEK NEAR DOSKIE, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1972 to February 1978 (discontinued).

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1973 to February 1978 (discontinued).

pH: August 1973 to February 1978 (discontinued).

WATER TEMPERATURE: August 1973 to February 1978 (discontinued).

TURBIDITY: November 1975 to February 1978 (discontinued).

DISSOLVED OXYGEN: August 1973 to February 1978 (discontinued).

INSTRUMENTATION.--Water-quality monitor since August 1973.

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

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 98 micromhos June 9, 1975; minimum, 16 micromhos Sept. 9, 1975.

pH: Maximum, 8.6 units Mar. 20, 21, 23, 24, 1975; minimum, 4.0 units Jan. 9, 13, 1975.

WATER TEMPERATURE: Maximum, 31.0°C June 22, 1975; minimum, 0.5°C Jan. 14, 1975, Feb. 8, 9, 1977.

TURBIDITY: Maximum, 850 NTU Sep. 25, 1977; minimum, 5 NTU Dec. 24, 1975, Jan. 19-20, Dec. 6, 1976, June 8, 1977.

DISSOLVED OXYGEN: Maximum, 13.7 mg/L Feb. 9, 1974; minimum, 2.0 mg/L Jan. 1-2, 1975.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)
OCT 04...	1245	59	28	6.5	14.5	80	15	8.6	25	1.0
NOV 08...	0945	128	36	6.3	16.0	130	15	7.8	20	1.7

DATE	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FECAL, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L AS CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)
OCT 04...	1800	<14	10	2	2.4	.9	9	0	7
NOV 08...	550	<7	12	0	3.0	1.2	20	0	16

DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NITRATE (MG/L AS N)	NITRO- GEN, NITRITE (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 04...	4.6	4.5	1.9	32	.04	5.10	.05	.01	.06
NOV 08...	16	5.8	3.9	47	.06	16.2	.06	.01	.07

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 04...	.04	.32	.36	.42	1.9	.04	.01	--	8.9
NOV 08...	.00	.37	.37	.44	1.9	.04	.01	<.5	18

DATE	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	PHENOLS (UG/L)
------	---	--	---	---	---	---	---	-------------------

OCT 04...	0	<10	7	2800	22	260	20	0
--------------	---	-----	---	------	----	-----	----	---

TENNESSEE RIVER BASIN

03592800 YELLOW CREEK NEAR DOSKIE, MS--Continued

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)
OCT				
04...	1300	59	16	2.5
11...	1245	91	26	6.4
NOV				
08...	0945	128	24	8.3
16...	1230	124	361	121
21...	1145	1190	488	1570
21...	1200	1200	482	1560
21...	1400	1450	466	1820
22...	1200	2600	82	576
22...	1600	2320	71	445
23...	1100	1170	63	199
23...	1300	1080	33	96
23...	1400	1050	28	79
30...	1500	5820	755	11900
30...	1600	5780	708	11000
JAN				
03...	1540	109	13	3.8
17...	1200	909	324	795
18...	0800	616	52	86
24...	1200	552	236	352
24...	1600	712	248	477
25...	0900	872	339	798
25...	1400	836	314	709
FEB				
01...	1500	232	66	41

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	42	29	31	37	33	35	26	24	25	30	29	29
2	32	28	29	37	32	34	26	25	26	31	29	30
3	29	27	28	43	33	38	28	23	24	31	30	31
4	29	28	29	39	36	38	25	24	25	31	30	31
5	31	27	29	---	---	---	---	---	---	31	28	29
6	32	29	31	---	---	---	26	25	26	31	25	30
7	32	28	29	---	---	---	26	25	25	---	---	---
8	---	---	---	37	34	36	27	25	25	---	---	---
9	---	---	---	38	35	37	29	27	28	---	---	---
10	---	---	---	36	33	35	28	27	28	25	24	24
11	28	27	28	37	34	36	28	27	27	25	24	24
12	28	27	27	36	33	35	27	26	27	24	23	23
13	28	26	27	34	32	33	28	26	27	25	23	24
14	29	26	28	33	31	32	---	---	---	25	24	25
15	29	27	28	---	---	---	29	28	28	25	23	25
16	29	27	28	35	31	33	---	---	---	---	---	---
17	28	26	27	---	---	---	---	---	---	---	---	---
18	28	26	27	---	---	---	---	---	---	24	23	23
19	28	25	26	---	---	---	---	---	---	23	23	23
20	26	25	26	---	---	---	---	---	---	24	22	23
21	---	---	---	---	---	---	---	---	---	25	23	24
22	---	---	---	---	---	---	---	---	---	25	24	25
23	---	---	---	---	---	---	29	20	28	30	25	26
24	---	---	---	27	26	26	30	27	29	---	---	---
25	---	---	---	31	26	27	29	25	27	---	---	---
26	---	---	---	28	26	27	30	28	29	---	---	---
27	---	---	---	33	28	29	30	29	30	---	---	---
28	35	30	33	---	---	---	31	30	30	---	---	---
29	36	32	34	---	---	---	31	29	30	---	---	---
30	36	31	34	---	---	---	29	27	28	26	21	24
31	37	32	35	---	---	---	30	29	30	22	21	22

03592800 YELLOW CREEK NEAR DOSKIE, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1	---	---	---									
2	24	22	23									
3	24	23	24									
4	25	23	24									
5	25	24	24									
6	26	21	25									
7	26	23	24									
8	---	---	---									
9	---	---	---									
10	---	---	---									
11	---	---	---									
12	---	---	---									
13	---	---	---									
14	---	---	---									
15	---	---	---									
16	---	---	---									
17	---	---	---									
18	---	---	---									
19	---	---	---									
20	---	---	---									
21	---	---	---									
22	---	---	---									
23	---	---	---									
24	---	---	---									
25	---	---	---									
26	---	---	---									
27	---	---	---									
28	---	---	---									
29	---	---	---									
30	---	---	---									
31	---	---	---									

PH (UNITS), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.1	5.6	6.0	6.0	5.5	5.4	6.0	5.9	5.9	4.8		
2	6.0	5.9	6.0	6.0	5.4	5.3	6.0	6.0	4.9	4.8		
3	6.0	5.9	6.0	6.0	5.7	5.4	6.0	5.8	4.9	4.8		
4	6.0	6.0	5.8	5.7	---	---	6.0	5.9	5.0	4.8		
5	6.1	6.0	---	---	---	---	6.0	5.9	5.0	4.9		
6	---	---	---	---	5.7	5.7	---	---	5.0	4.4		
7	6.2	6.0	5.9	5.9	5.7	5.7	---	---	4.9	4.7		
8	---	---	5.9	5.9	5.8	5.6	---	---	---	---		
9	---	---	5.9	5.9	5.8	5.7	---	---	---	---		
10	---	---	6.0	5.9	5.8	5.8	---	---	---	---		
11	5.8	5.8	6.0	5.9	5.9	5.8	---	---	---	---		
12	5.9	5.8	6.0	6.0	5.9	5.8	---	---	---	---		
13	6.0	5.9	6.0	6.0	5.9	5.9	---	---	---	---		
14	6.0	5.9	6.1	6.0	---	---	---	---	---	---		
15	6.1	6.0	6.1	6.0	5.8	5.8	---	---	---	---		
16	6.1	6.0	6.1	5.9	---	---	---	---	---	---		
17	6.1	6.1	---	---	---	---	---	---	---	---		
18	6.1	6.1	---	---	---	---	---	---	---	---		
19	6.1	6.1	---	---	---	---	5.8	5.8	---	---		
20	6.1	6.1	---	---	---	---	5.9	5.9	---	---		
21	---	---	5.7	5.5	---	---	5.9	5.9	---	---		
22	---	---	5.5	5.4	---	---	6.0	5.9	---	---		
23	---	---	5.5	5.4	5.9	5.8	6.0	5.9	---	---		
24	---	---	5.7	5.4	5.9	5.8	---	---	---	---		
25	---	---	5.8	5.7	5.9	5.9	5.8	5.6	---	---		
26	---	---	5.8	5.8	6.0	5.9	---	---	---	---		
27	---	---	5.9	5.8	6.0	5.9	---	---	---	---		
28	5.8	5.7	---	---	6.0	5.9	---	---	---	---		
29	5.9	5.7	---	---	6.0	6.0	---	---	---	---		
30	5.9	5.8	---	---	6.0	5.9	---	---	---	---		
31	5.9	5.9	---	---	6.0	5.9	5.9	5.8	---	---		

03592800 YELLOW CREEK NEAR DOSKIE, MS--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	22.5	20.5	22.0	17.5	16.0	16.5	12.5	11.0	12.0	7.5	6.0	7.0
2	22.5	18.5	20.5	17.0	15.5	16.5	11.0	10.0	10.5	6.0	3.0	4.5
3	18.0	16.0	17.0	18.0	16.5	17.0	11.5	10.0	10.5	3.0	2.0	2.5
4	16.0	14.0	15.0	17.5	16.5	17.0	12.5	12.0	12.0	3.0	1.5	2.5
5	16.0	13.5	15.0	---	---	---	---	---	---	6.5	3.0	4.5
6	16.5	15.0	15.5	---	---	---	12.0	6.5	9.5	---	---	---
7	16.5	14.5	15.5	17.0	17.0	17.0	6.5	5.0	5.0	---	---	---
8	---	---	---	17.5	16.0	17.0	8.0	5.0	6.0	---	---	---
9	---	---	---	18.0	16.5	17.5	8.0	5.0	7.0	2.0	1.5	2.0
10	---	---	---	16.0	11.0	14.0	5.0	3.0	3.5	1.0	.5	1.0
11	14.0	13.0	13.5	11.0	9.5	10.0	4.0	2.5	3.5	1.0	.0	.5
12	12.5	11.5	12.0	9.5	8.0	9.0	6.5	3.5	5.0	2.0	.0	1.5
13	11.5	10.0	11.0	8.5	7.0	8.0	10.0	6.5	8.0	2.5	2.0	2.0
14	12.0	9.5	10.5	9.5	7.0	8.0	---	---	---	2.0	1.0	1.5
15	12.5	10.5	11.5	10.5	7.5	9.0	10.5	8.5	9.5	2.0	.0	1.0
16	12.0	11.0	11.5	14.5	10.5	11.0	---	---	---	---	---	---
17	12.0	9.5	10.5	---	---	---	---	---	---	---	---	---
18	13.0	10.5	11.5	---	---	---	---	---	---	2.0	1.0	1.5
19	13.0	11.0	12.0	---	---	---	---	---	---	2.0	1.0	1.5
20	12.0	11.5	11.5	---	---	---	---	---	---	1.5	1.0	1.5
21	---	---	---	---	---	---	---	---	---	2.5	1.0	1.5
22	---	---	---	13.0	12.5	12.5	5.0	5.0	5.0	3.0	2.0	2.0
23	---	---	---	---	---	---	7.5	4.5	5.5	---	---	---
24	---	---	---	---	---	---	10.5	7.5	9.0	---	---	---
25	---	---	---	12.5	10.0	11.5	10.5	6.0	8.5	5.5	4.0	5.0
26	---	---	---	9.5	6.5	7.5	6.0	3.5	4.5	---	---	---
27	---	---	---	7.5	6.5	6.5	3.5	2.5	3.0	---	---	---
28	16.5	13.5	14.5	---	---	---	3.0	2.0	2.5	---	---	---
29	16.5	14.5	15.5	---	---	---	3.0	1.5	2.5	---	---	---
30	16.5	14.5	15.5	---	---	---	5.5	3.5	4.5	---	---	---
31	17.5	16.0	16.5	---	---	---	7.0	5.5	6.5	2.5	1.5	2.0

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

[illegible]

TURBIDITY (NTU), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

TURBIDITY (NTU), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

[illegible]

03592800 YELLOW CREEK NEAR DOSKIE, MS--Continued

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	7.6	6.7	7.2	7.2	6.7	7.0	8.5	7.7	8.3	10.5	10.0	10.2
2	7.9	6.9	7.4	7.2	6.7	7.0	8.8	8.4	8.5	10.4	10.0	10.3
3	8.5	7.9	8.3	7.4	6.5	6.9	9.5	8.4	9.1	12.3	10.3	11.3
4	---	---	---	7.3	6.5	7.0	---	---	---	12.4	12.0	12.2
5	---	---	---	---	---	---	---	---	---	12.0	10.7	11.5
6	---	---	---	---	---	---	11.3	9.6	10.5	---	---	---
7	8.4	7.7	8.1	---	---	---	12.1	11.3	11.9	---	---	---
8	---	---	---	8.1	7.7	7.9	12.0	10.8	11.4	---	---	---
9	---	---	---	7.8	7.5	7.6	10.8	10.1	10.5	---	---	---
10	---	---	---	9.2	7.9	8.7	11.3	10.8	11.1	10.4	10.0	10.2
11	9.3	8.8	9.1	9.8	9.3	9.6	11.3	10.7	11.1	10.6	10.4	10.5
12	10.0	9.3	9.7	10.1	9.7	10.0	10.7	9.6	10.5	10.5	10.1	10.3
13	10.3	9.8	10.0	10.6	10.1	10.3	---	---	---	10.3	9.7	9.9
14	10.3	9.6	10.0	10.5	9.9	10.2	---	---	---	10.1	9.8	9.9
15	9.9	9.2	9.6	10.1	9.1	9.8	10.4	10.0	10.2	10.2	9.9	10.0
16	9.6	9.3	9.4	9.1	8.3	8.8	---	---	---	---	---	---
17	10.0	9.2	9.6	---	---	---	---	---	---	---	---	---
18	9.5	8.7	9.1	---	---	---	---	---	---	11.1	10.4	10.8
19	9.1	8.6	8.8	---	---	---	---	---	---	10.5	9.9	10.3
20	8.9	8.7	8.8	---	---	---	---	---	---	10.3	9.5	9.8
21	---	---	---	---	---	---	---	---	---	9.8	9.4	9.6
22	---	---	---	7.5	5.3	6.7	---	---	---	9.5	8.8	9.2
23	---	---	---	7.7	7.0	7.3	11.6	10.9	11.4	---	---	---
24	---	---	---	8.6	7.6	8.2	10.8	9.8	10.3	10.8	9.9	10.5
25	---	---	---	8.9	7.5	8.4	10.8	9.8	10.3	10.3	8.6	10.0
26	---	---	---	8.6	8.3	8.4	11.6	10.9	11.4	---	---	---
27	---	---	---	---	---	---	11.9	11.6	11.7	---	---	---
28	---	---	---	---	---	---	12.2	11.9	12.1	---	---	---
29	8.2	7.4	7.9	---	---	---	12.3	11.9	12.1	---	---	---
30	8.1	7.4	7.8	---	---	---	11.9	11.0	11.4	11.1	10.8	11.0
31	7.6	6.8	7.2	---	---	---	11.0	10.3	10.7	10.8	9.5	10.0

[illegible]

03592825 YELLOW CREEK AT CROSS ROADS, MS

LOCATION.--Lat 34°54'53", long 88°14'44", in SE $\frac{1}{4}$ sec.9, T.2 S., R.10 E., Chickasaw Meridian, Tishomingo County, Hydrologic Unit 06030005, in Yellow Creek Embayment of Pickwick Lake, at bridge on State Highway 25, 0.9 mi (1.4 km) southeast of Cross Roads, and at mile 11.0 (17.7 km). Water-quality monitor intake at mid-channel 100 ft (30.5 m) upstream.

DRAINAGE AREA.--165 mi² (427 km²).

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1978 to current year.

pH: April 1978 to current year.

WATER TEMPERATURE: April 1978 to current year.

TURBIDITY: April 1978 to current year.

DISSOLVED OXYGEN: April 1978 to current year.

SUSPENDED-SEDIMENT CONCENTRATION: April 1978 to current year.

INSTRUMENTATION.--Water-quality monitor and automatic pumping sediment sampler since April 1978.

REMARKS.--Occasional differences in the water quality between sites were observed. Interruptions in the record were due to malfunctions of the instrument. State-discharge relation not determined due to backwater from Pickwick Lake.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 67 micromhos Aug. 10; minimum, 20 micromhos May 19, Aug. 15.

pH: Maximum, 6.5 units on many days during year; minimum, 5.3 units Aug. 9.

WATER TEMPERATURE: Maximum, 29.5°C June 29, July 5; minimum observed 1.5°C Jan. 4.

TURBIDITY: Maximum, 800 NTU Sept. 19; minimum, 15 NTU, Apr. 21.

DISSOLVED OXYGEN: Maximum, 9.8 mg/L Apr. 21; minimum, 5.0 mg/L June 1, July 10.

SEDIMENT CONCENTRATIONS: Maximum daily mean, 2830 mg/L May 28; minimum daily mean, 11 mg/L June 26.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO-CHEMICAL, 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS./100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)
DEC 07...	1100	34	7.0	5.0	95	25	11.6	18	2.4	290	<7	8
JAN 04...	1130	41	6.5	1.5	45	6.0	13.0	12	3.3	230	<7	10
FEB 14...	1310	34	6.6	4.0	70	35	12.8	8	2.9	K220	K20	11
MAR 08...	1245	40	6.2	9.0	130	75	10.6	13	--	230	<4	12
APR 04...	1200	36	6.5	18.0	60	25	8.9	8	3.0	460	220	9
MAY 02...	1200	32	5.9	15.0	80	100	8.2	15	--	--	--	12
31...	1130	40	6.3	19.0	260	50	7.9	20	2.9	1200	<7	13
JUL 12...	1030	52	6.7	26.0	120	50	7.2	29	--	410	K110	22
AUG 09...	1530	48	5.5	23.5	230	95	6.4	15	4.0	640	470	11
SEP 06...	1300	85	6.9	28.0	20	20	8.6	4	4.2	K150	K27	29

DATE	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM, DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE, DISSOLVED (MG/L AS CO2)	SULFATE, DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NITRATE TOTAL (MG/L AS N)
DEC 07...	0	1.9	.8	12	0	10	1.9	4.5	2.9	37	.05	.14
JAN 04...	2	2.7	.9	10	0	8	5.1	4.3	2.4	28	.04	.13
FEB 14...	4	2.8	1.0	9	0	7	3.6	6.0	2.1	34	.05	.17
MAR 08...	3	3.3	1.0	12	0	10	12	4.5	2.3	32	.04	.11
APR 04...	0	2.4	.8	13	0	11	6.6	4.5	1.8	23	.03	.05
MAY 02...	6	3.0	1.0	7	0	6	14	6.4	1.9	40	.05	.07
31...	5	3.5	1.0	10	0	8	8.0	4.3	2.7	43	.06	.07
JUL 12...	12	6.2	1.5	12	0	10	3.8	7.5	2.6	60	.08	.15
AUG 09...	4	2.9	.9	9	0	7	46	9.3	1.7	34	.05	.16
SEP 06...	3	8.4	2.0	32	0	26	6.4	5.1	3.2	64	.09	.01

TENNESSEE RIVER BASIN

03592825 YELLOW CREEK AT CROSS ROADS, MS--Continued

DATE	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	CARBON, ORGANIC TOTAL (MG/L AS C)
DEC 07...	.01	.15	.03	.25	.28	.43	1.9	.04	.02	<.5	13
JAN 04...	.01	.14	.05	.08	.13	.27	1.2	.04	.01	<.5	8.2
FEB 14...	.01	.18	.05	.17	.22	.40	1.8	.04	.01	<.5	1.4
MAR 08...	.02	.13	.06	.54	.60	.73	3.2	.08	.00	<.5	5.0
APR 04...	.01	.06	.01	.29	.30	.36	1.6	.04	.01	<.5	5.9
MAY 02...	.02	.09	.07	.52	.59	.68	3.0	.07	.02	<.5	12
31...	.02	.09	.07	.38	.45	.54	2.4	.09	.03	<.5	9.6
JUL 12...	.02	.17	.05	.53	.58	.75	3.3	.10	.00	.5	7.9
AUG 09...	.04	.20	.09	.69	.78	.98	4.3	.17	.05	<.5	9.9
SEP 06...	.00	.01	.05	.42	.47	.48	2.1	.04	.01	<.5	3.3

DATE	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	PHENOLS (UG/L)
OCT 04...	1	0	10	8	2700	17	270	20	0
JAN 04...	1	0	<10	5	2600	4	230	10	1
APR 04...	2	0	10	7	2400	16	120	20	0
JUL 12...	1	0	20	2	4400	20	320	10	0

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)
JAN 04...	.0	.00	.00	.0	.00	.00	.00	.00	.00
JUL 12...	.0	.00	.00	.0	.00	.00	.01	.00	.00

DATE	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
JAN 04...	--	.00	.00	.00	.00	.00	.00	--	.00
JUL 12...	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JAN 04...	.00	.00	.00	0	.00	.00	.00	.00
JUL 12...	.00	.00	.00	0	.00	.03	.07	.00

03592825 YELLOW CREEK AT CROSS ROADS, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SEDI- MENT, SUS- PENDED (MG/L)	DATE	TIME	SEDI- MENT, SUS- PENDED (MG/L)
OCT					
04...	1130	57	MAR		
11...	1300	130	08...	1245	344
26...	1515	580	27...	1515	209
26...	1700	447	APR		
26...	1900	752	04...	1200	8
NOV			12...	1515	65
08...	1045	37	20...	1500	78
16...	1245	392	MAY		
21...	1215	4220	02...	1200	125
21...	1415	4200	03...	1100	73
22...	1230	3630	11...	1330	120
22...	1530	2840	12...	1205	26
23...	1040	466	26...	1235	80
23...	1345	454	JUN		
DEC			01...	1450	48
22...	1330	28	07...	1300	128
28...	1330	5	14...	1110	72
JAN			29...	1500	57
04...	1130	110	JUL		
17...	1220	1140	11...	1515	532
24...	1220	386	13...	1120	45
24...	1550	521	21...	1330	6
24...	1700	213	28...	1035	80
25...	1000	5720	AUG		
25...	1315	4240	10...	0945	176
25...	1700	3720	SEP		
FEB			07...	1530	239
01...	1300	117	15...	1400	478
14...	1310	20	27...	1400	105

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

PROVISIONAL DATA

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1							---	---	---	---	---	---
2							---	---	---	---	---	---
3							---	---	---	---	---	---
4							---	---	---	31	27	29
5							---	---	---	29	26	28
6							---	---	---	28	27	27
7							---	---	---	---	---	---
8							---	---	---	---	---	---
9							---	---	---	---	---	---
10							---	---	---	---	---	---
11							---	---	---	---	---	---
12							---	---	---	25	24	24
13							---	---	---	27	21	25
14							---	---	---	27	26	26
15							---	---	---	27	26	26
16							---	---	---	27	26	27
17							---	---	---	27	24	27
18							---	---	---	28	22	26
19							---	---	---	28	20	25
20							---	---	---	29	26	28
21						30	22	26	31	27	30	
22						31	28	29	32	30	31	
23						30	28	29	32	30	32	
24						30	28	29	33	31	32	
25						---	---	---	32	30	32	
26						---	---	---	34	32	33	
27						---	---	---	35	32	34	
28						32	29	30	36	29	33	
29						31	30	30	32	23	30	
30						30	30	30	32	29	31	
31						---	---	---	36	30	32	

TENNESSEE RIVER BASIN

03592825 YELLOW CREEK AT CROSS ROADS, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	36	30	33	44	39	42	50	39	41	49	39	41
2	35	32	33	43	39	40	45	37	41	41	37	39
3	35	30	31	42	40	41	51	39	41	41	38	39
4	32	31	32	45	41	43	56	38	46	41	38	40
5	34	31	32	45	40	42	44	35	41	42	40	41
6	34	32	33	44	41	43	46	35	39	46	40	42
7	36	25	31	46	37	42	48	36	39	44	40	42
8	30	23	26	43	38	40	49	31	39	49	41	44
9	31	28	29	44	31	39	47	34	42	46	38	43
10	32	29	30	45	32	39	67	37	43	46	38	41
11	31	29	30	43	33	39	64	36	39	44	40	43
12	33	29	31	47	37	43	40	34	36	45	40	41
13	32	30	32	44	41	43	42	30	37	47	40	42
14	39	38	39	46	34	41	39	33	37	42	34	38
15	39	37	38	44	41	42	43	20	40	38	32	34
16	39	37	38	45	41	43	43	36	38	36	30	33
17	38	37	38	44	40	42	42	38	39	40	32	36
18	41	38	39	44	40	42	39	29	34	38	36	37
19	38	25	29	46	40	43	42	34	36	42	36	40
20	34	29	33	47	42	43	48	37	39	42	39	41
21	32	25	30	45	41	42	41	37	38	44	39	41
22	28	25	27	46	40	42	58	39	46	43	40	42
23	31	29	30	44	41	42	52	41	46	42	38	40
24	34	32	34	44	42	43	48	42	44	42	38	41
25	36	34	35	46	42	44	49	40	44	43	41	42
26	40	35	37	44	40	42	48	42	45	42	39	41
27	48	36	39	47	41	43	49	42	45	43	42	42
28	42	37	39	57	40	43	48	41	44	43	37	40
29	51	39	41	46	40	42	55	43	46	41	33	37
30	45	41	43	53	41	44	55	39	44	42	33	36
31	---	---	---	47	37	41	46	39	41	---	---	---

PH (UNITS), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	---	---	6.1	5.4	6.4	6.3	6.3	6.2	6.4	6.2
2	---	---	---	---	6.0	5.8	6.4	6.3	6.3	6.2	6.2	6.2
3	---	---	---	---	6.1	5.9	6.4	6.3	6.3	6.1	6.2	6.1
4	---	---	5.9	5.6	6.1	6.1	6.4	6.2	6.4	6.0	6.2	6.1
5	---	---	5.9	5.6	6.2	6.1	6.5	6.3	6.1	5.9	6.2	6.2
6	---	---	5.9	5.7	6.2	6.1	6.5	6.3	6.1	6.0	6.2	6.2
7	---	---	---	---	6.2	5.8	6.5	6.3	6.1	6.0	6.3	6.2
8	---	---	---	---	5.8	5.4	6.5	6.3	6.1	5.6	6.4	6.3
9	---	---	---	---	5.7	5.5	6.5	5.6	5.7	5.3	6.5	6.3
10	---	---	---	---	5.9	5.7	5.9	5.6	6.1	5.7	6.5	6.2
11	---	---	---	---	5.9	5.8	6.2	5.5	6.0	5.8	6.4	6.2
12	---	---	5.9	5.8	6.0	5.9	5.9	5.7	6.1	6.0	6.4	6.2
13	---	---	5.9	5.6	6.0	6.0	6.1	5.9	6.2	6.1	6.3	6.2
14	---	---	6.1	5.9	6.1	6.0	6.1	5.7	6.2	6.1	6.3	6.1
15	---	---	6.1	6.0	6.2	6.1	6.0	5.9	6.2	6.1	6.2	6.0
16	---	---	6.1	6.0	6.3	6.2	6.1	6.0	6.2	6.1	6.0	5.8
17	---	---	6.1	6.0	6.3	6.2	6.1	6.0	6.2	6.1	6.0	5.8
18	---	---	6.1	5.7	6.3	6.2	6.3	6.1	6.3	6.0	6.1	5.9
19	---	---	6.1	5.4	6.3	5.6	6.3	6.2	6.3	6.1	6.0	5.8
20	---	---	6.1	6.0	6.0	5.8	6.4	6.2	6.4	6.2	6.1	5.9
21	6.0	5.6	6.2	6.0	5.9	5.6	6.4	6.2	6.3	6.1	6.1	6.0
22	6.1	6.0	6.3	6.2	5.7	5.6	6.4	6.3	6.3	6.1	6.1	6.0
23	6.1	6.0	6.3	6.2	6.0	5.7	6.4	6.3	6.3	6.2	6.1	6.0
24	6.1	6.0	6.4	6.1	6.1	5.9	6.4	6.3	6.2	6.1	6.1	5.9
25	---	---	6.4	6.1	6.2	6.0	6.5	6.4	6.3	6.1	6.1	5.9
26	---	---	6.4	6.1	6.2	6.1	6.4	6.3	6.3	6.2	6.0	5.9
27	---	---	6.5	6.2	6.3	6.0	6.4	6.3	6.3	6.1	5.9	5.9
28	6.0	6.0	6.5	5.4	6.4	6.0	6.4	6.2	6.5	6.1	6.3	6.2
29	6.1	5.9	6.1	5.5	6.5	6.1	6.4	6.3	6.5	6.3	6.3	6.1
30	6.2	6.0	6.0	5.6	6.5	6.3	6.5	6.4	6.5	6.3	6.1	5.9
31	---	---	6.1	5.9	---	---	6.4	6.2	6.4	6.3	---	---

03592825 YELLOW CREEK AT CROSS ROADS, MS--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1							---	---	---	---	---	---
2							---	---	---	---	---	---
3							---	---	---	---	---	---
4							---	---	---	---	---	---
5							---	---	---	16.0	13.5	15.0
							---	---	---	15.0	13.5	14.0
6							---	---	---	---	---	---
7							---	---	---	17.0	13.5	15.0
8							---	---	---	---	---	---
9							---	---	---	---	---	---
10							---	---	---	---	---	---
11							---	---	---	---	---	---
12							---	---	---	---	---	---
13							---	---	---	18.5	17.5	18.0
14							---	---	---	18.0	16.5	17.5
15							---	---	---	18.0	15.5	16.5
							---	---	---	16.5	15.0	15.5
16							---	---	---	---	---	---
17							---	---	---	16.0	14.5	15.0
18							---	---	---	18.0	14.0	16.0
19							---	---	---	18.0	16.0	17.0
20							---	---	---	20.5	16.5	17.0
							---	---	---	21.5	18.0	19.5
21							15.0	12.0	13.0	23.0	19.0	21.0
22							15.5	11.5	13.0	22.5	20.5	21.0
23							17.0	13.0	14.5	22.5	20.5	21.0
24							16.5	14.5	15.5	24.0	21.0	22.0
25							---	---	---	23.5	22.0	22.5
26							---	---	---	---	---	---
27							---	---	---	24.0	22.5	23.0
28							---	---	---	24.5	23.0	24.0
29							17.5	13.5	15.5	25.0	20.5	22.5
30							16.5	14.5	15.5	23.0	21.0	21.5
31							18.0	15.0	16.0	24.0	20.5	22.0
							---	---	---	24.5	21.0	22.0

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	24.5	21.5	22.0	28.5	27.5	28.0	27.5	26.0	27.0	23.5	22.0	22.5
2	24.5	21.5	22.5	28.5	26.0	27.0	27.0	25.0	26.0	22.5	21.0	22.0
3	22.5	20.5	21.5	28.5	27.0	27.5	27.5	26.5	27.0	23.0	21.5	22.5
4	22.5	20.5	21.5	28.5	28.0	28.5	27.5	25.5	27.0	23.5	22.5	23.0
5	24.0	21.5	22.5	29.5	28.0	28.5	25.0	24.0	24.5	24.5	23.5	24.0
6	24.0	22.0	23.0	28.5	27.5	28.0	25.5	24.5	25.0	25.5	24.5	25.0
7	24.0	21.0	22.0	28.0	27.5	28.0	26.0	24.5	25.0	25.5	24.5	25.0
8	24.0	21.0	22.5	28.5	27.5	28.0	26.5	22.0	24.5	26.0	25.5	25.5
9	23.0	21.0	22.5	29.0	24.5	28.0	25.0	22.0	23.0	26.0	25.0	25.5
10	23.0	20.0	21.5	26.0	24.0	24.5	25.0	23.0	24.0	25.5	24.5	25.0
11	23.0	20.0	21.0	26.5	23.0	24.5	25.0	23.5	24.0	25.0	24.5	25.0
12	24.0	21.5	22.5	26.5	23.0	24.0	25.0	24.0	24.5	25.5	25.0	25.0
13	24.0	22.0	23.0	27.0	24.5	25.0	25.5	23.5	24.0	25.5	23.5	24.5
14	23.5	21.0	23.0	26.0	23.5	24.5	25.0	23.5	24.0	23.5	22.5	23.0
15	22.5	21.0	22.0	25.5	24.0	24.5	26.0	24.5	25.0	24.0	22.5	23.5
16	23.5	22.5	23.0	25.5	23.5	24.5	26.5	25.5	26.0	24.0	23.0	23.5
17	25.5	24.0	24.5	26.0	24.5	24.5	27.5	26.0	27.0	25.0	23.5	24.5
18	26.0	24.5	25.0	26.5	25.0	26.0	27.5	25.0	26.0	26.0	24.5	25.0
19	26.0	21.5	23.0	27.0	25.5	26.5	28.0	27.0	27.5	26.5	25.0	25.5
20	25.0	22.5	23.5	28.0	27.0	27.5	28.0	26.5	27.0	26.0	25.0	25.5
21	24.0	22.0	22.5	28.5	27.5	28.0	27.0	25.0	25.5	26.5	25.0	25.5
22	23.5	21.5	22.5	28.0	27.5	28.0	26.5	24.0	25.0	25.5	23.0	24.0
23	24.5	21.5	22.5	28.5	27.5	28.0	26.5	25.5	26.0	23.0	21.0	21.5
24	25.5	22.0	23.5	28.5	27.5	28.0	27.0	26.0	26.5	22.0	20.0	20.5
25	26.5	23.5	24.5	28.0	27.0	28.0	27.5	27.0	27.0	21.0	20.0	20.5
26	26.5	24.5	25.5	27.0	26.5	27.0	28.5	27.5	28.0	21.5	20.5	20.5
27	27.5	26.5	26.5	28.0	26.5	27.5	28.5	27.5	28.0	22.0	21.0	21.5
28	29.0	26.5	27.5	26.5	25.5	26.0	27.5	27.0	27.5	22.0	21.0	21.0
29	29.5	27.5	28.0	27.5	26.5	27.0	27.0	25.5	26.5	22.5	20.5	21.5
30	28.5	27.5	28.0	28.5	27.5	28.0	26.0	24.5	25.0	22.5	20.5	21.0
31	---	---	---	28.0	26.5	27.0	25.5	23.0	24.0	---	---	---

TENNESSEE RIVER BASIN

03592825 YELLOW CREEK AT CROSS ROADS, MS--Continued

TURBIDITY (NTU), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1							---	---	---	---	---	---
2							---	---	---	---	---	---
3							---	---	---	---	---	---
4							---	---	---	250	20	60
5							---	---	---	95	20	55
6							---	---	---	80	45	60
7							---	---	---	---	---	---
8							---	---	---	---	---	---
9							---	---	---	---	---	---
10							---	---	---	---	---	---
11							---	---	---	---	---	---
12							---	---	---	140	70	85
13							---	---	---	430	150	300
14							---	---	---	140	65	90
15							---	---	---	65	55	60
16							---	---	---	95	55	60
17							---	---	---	180	50	65
18							---	---	---	380	60	120
19							---	---	---	600	70	150
20							---	---	---	160	65	100
21							470	15	200	140	65	95
22							20	20	20	110	50	65
23							20	20	20	120	55	70
24							20	20	20	85	65	75
25							20	20	20	190	70	140
26							---	---	---	160	65	90
27							---	---	---	90	55	60
28							85	35	50	600	60	240
29							70	40	45	600	130	220
30							55	40	40	400	120	200
31							---	---	---	180	65	110
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	270	80	150	55	45	50	65	45	60	110	70	90
2	270	65	100	45	40	40	120	45	85	120	75	95
3	90	55	70	45	35	40	95	45	60	85	65	75
4	65	50	60	45	30	35	240	45	95	75	55	65
5	75	45	55	40	30	35	250	100	160	70	50	60
6	65	50	55	50	30	40	95	65	85	75	45	65
7	200	60	110	75	40	45	65	50	60	380	60	230
8	360	120	180	50	40	45	320	55	140	180	130	150
9	---	---	---	450	40	120	230	170	190	170	150	160
10	---	---	---	310	120	200	220	110	140	290	150	190
11	---	---	---	500	90	230	260	100	140	300	90	180
12	---	---	---	170	110	130	140	85	110	120	75	100
13	---	---	---	200	120	140	150	85	110	230	110	140
14	90	60	80	310	100	160	90	65	80	230	160	210
15	110	55	90	140	100	120	190	75	130	460	210	310
16	90	50	65	100	70	80	210	130	160	430	240	300
17	80	60	65	80	60	65	170	100	150	350	280	310
18	85	45	65	80	50	70	95	70	85	290	170	200
19	340	80	220	95	60	80	140	60	100	800	180	460
20	400	85	140	75	50	65	110	90	100	350	180	230
21	380	140	220	60	45	55	210	100	170	200	150	180
22	330	150	240	70	45	55	180	120	150	240	150	200
23	140	75	100	140	55	95	140	95	110	190	160	170
24	75	55	70	95	60	75	160	85	130	180	160	170
25	110	60	80	95	55	75	120	70	85	170	130	150
26	65	45	55	120	60	85	180	65	110	140	120	130
27	90	50	70	100	60	85	180	120	140	140	120	130
28	75	45	60	100	65	80	170	140	150	190	170	190
29	50	45	45	85	55	75	140	90	120	240	180	190
30	75	45	55	75	50	60	90	70	80	290	240	270
31	---	---	---	90	50	60	130	75	95	---	---	---

03592825 YELLOW CREEK AT CROSS ROADS, MS--Continued

DISSOLVED OXYGEN (DO), MG/L, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
1							---	---	---	---	---	---
2							---	---	---	---	---	---
3							---	---	---	---	---	---
4							---	---	---	9.4	6.4	7.9
5							---	---	---	9.4	7.3	7.9
6							---	---	---	9.3	8.7	9.1
7							---	---	---	---	---	---
8							---	---	---	---	---	---
9							---	---	---	---	---	---
10							---	---	---	---	---	---
11							---	---	---	---	---	---
12							---	---	---	8.4	8.2	8.3
13							---	---	---	8.4	7.5	8.0
14							---	---	---	8.7	8.4	8.5
15							---	---	---	8.8	8.6	8.7
16							---	---	---	8.9	8.7	8.8
17							---	---	---	8.8	8.1	8.6
18							---	---	---	8.1	6.4	7.7
19							---	---	---	8.7	6.3	7.6
20							---	---	---	8.3	7.9	8.2
21							9.8	8.9	9.5	8.1	7.7	7.9
22							9.5	8.8	9.2	8.0	7.7	7.8
23							8.9	7.9	8.5	8.0	7.6	7.8
24							8.1	7.6	7.8	7.9	7.4	7.7
25							---	---	---	7.8	7.1	7.4
26							---	---	---	7.8	7.3	7.5
27							---	---	---	7.7	7.2	7.5
28							9.2	8.5	8.9	8.7	7.3	7.4
29							8.8	8.4	8.6	7.9	7.1	7.4
30							8.5	8.4	8.4	7.6	7.0	7.2
31							---	---	---	7.7	7.4	7.6
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	7.8	5.0	7.1	6.9	6.2	6.4	6.6	5.7	6.0	7.3	6.4	7.0
2	7.6	6.5	7.1	6.9	6.3	6.5	6.6	5.5	6.0	7.4	7.0	7.2
3	7.9	6.9	7.7	6.6	6.0	6.3	6.9	5.7	6.2	7.3	6.7	7.0
4	8.0	7.7	7.8	6.6	6.0	6.3	7.2	6.2	6.6	7.1	6.4	6.7
5	7.8	7.5	7.6	6.7	6.3	6.5	6.6	6.4	6.5	6.8	6.2	6.5
6	7.6	7.2	7.4	6.8	6.2	6.4	6.8	6.5	6.7	6.9	6.0	6.5
7	8.0	6.9	7.4	6.8	6.3	6.6	7.0	6.5	6.8	7.3	6.4	6.8
8	7.8	5.5	6.1	6.8	5.9	6.3	7.4	5.7	6.6	7.5	6.8	7.1
9	7.4	5.9	6.8	6.9	5.9	6.0	6.9	6.2	6.6	7.3	6.5	7.0
10	7.6	6.4	6.9	5.8	5.0	5.0	7.1	6.5	6.7	7.4	6.7	7.0
11	7.8	7.5	7.7	7.0	5.8	6.5	6.9	6.2	6.6	7.2	6.6	7.0
12	7.6	7.2	7.5	7.0	6.3	6.7	6.8	6.3	6.6	7.2	6.1	6.7
13	7.6	7.2	7.4	7.0	6.1	6.6	7.0	6.2	6.7	7.5	6.5	6.9
14	7.7	7.2	7.4	7.1	6.2	6.5	6.8	5.9	6.5	7.3	6.7	7.1
15	7.8	7.4	7.6	6.6	6.1	6.4	6.6	5.9	6.3	7.2	6.7	7.0
16	7.6	7.2	7.4	6.7	6.0	6.4	6.5	5.7	6.1	7.1	6.5	6.8
17	7.3	6.9	7.1	6.5	5.9	6.3	6.5	5.6	6.1	6.9	6.5	6.7
18	7.0	6.6	6.8	6.9	5.9	6.6	6.7	5.8	6.3	6.6	6.0	6.4
19	7.1	6.6	6.8	6.8	6.2	6.5	6.4	5.7	6.1	6.5	5.8	6.1
20	7.2	6.6	6.8	7.0	6.1	6.6	6.8	6.0	6.2	6.6	5.6	6.3
21	7.3	6.7	7.0	7.1	6.4	6.7	7.0	6.0	6.5	7.0	6.4	6.7
22	7.1	6.7	6.9	6.9	6.3	6.6	7.0	6.1	6.5	7.5	6.6	7.0
23	7.4	7.0	7.2	6.8	6.2	6.5	6.9	6.1	6.5	8.0	7.4	7.6
24	7.3	6.9	7.1	6.8	6.1	6.5	6.9	5.9	6.4	8.1	7.7	7.9
25	7.0	6.6	6.6	6.6	6.0	6.4	6.9	5.7	6.2	8.2	7.5	7.8
26	6.7	6.3	6.3	6.7	6.0	6.4	6.5	5.9	6.2	8.2	7.6	7.8
27	6.4	6.0	6.0	6.6	6.1	6.3	6.5	5.8	6.2	7.9	7.4	7.6
28	6.8	6.0	6.3	6.7	6.0	6.4	6.4	5.9	6.2	8.0	7.6	7.8
29	6.6	6.1	6.3	6.5	5.8	6.2	6.3	5.9	6.1	7.9	7.4	7.6
30	6.5	6.2	6.4	6.6	5.8	6.2	6.8	5.9	6.4	7.8	7.1	7.5
31	---	---	---	6.3	5.5	5.9	6.8	6.4	6.6	---	---	---

TENNESSEE RIVER BASIN

03592825 YELLOW CREEK AT CROSS ROADS, MS--Continued

SUSPENDED-SEDIMENT CONCENTRATION (MG/L), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							---	---	59	32	30	129
2							---	---	45	26	177	137
3							---	117	55	14	82	121
4							---	---	36	28	95	140
5							---	130	47	21	231	139
6							---	93	39	24	168	130
7							---	---	110	28	183	439
8							---	---	---	30	123	249
9							---	---	---	23	498	201
10							---	---	---	282	356	280
11							---	120	---	343	217	164
12							---	80	---	186	170	148
13							---	905	---	432	154	144
14							---	134	---	285	90	308
15							---	61	41	169	165	465
16							---	41	34	115	207	340
17							---	34	30	114	480	348
18							---	57	23	103	258	192
19							---	114	551	94	158	658
20							---	108	66	63	170	348
21							405	85	287	159	214	233
22							---	42	318	41	238	211
23							---	47	47	69	203	213
24							---	38	24	36	201	192
25							---	136	45	25	141	176
26							---	41	11	33	494	146
27							---	---	18	28	246	112
28							---	2830	24	85	313	109
29							---	176	39	57	187	96
30							---	296	30	61	151	126
31							---	112	---	66	167	---

MISSISSIPPI RIVER MAIN STEM

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN

LOCATION.--Lat 35°07'37", long 90°04'25", Shelby County, Hydrologic Unit 08010100, on left bank 50 ft (15 m) downstream from Harahan Bridge at Memphis, 1.3 mi (2.1 km) downstream from Beale Street gage, 3.5 mi (5.6 km) downstream from Wolf River, 62.4 mi (100.4 km) upstream from St. Francis River, and at mile 734.8 (1,182.3 km).

DRAINAGE AREA.--932,800 mi² (2,416,000 km²), approximately.

PERIOD OF RECORD.--Discharge: January 1933 to September 1977. Monthly discharge only for some periods, published in WSP 1311.

Gage heights: October 1934 to September 1951 and October 1952 to September 1977 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 (305 m) downstream, and since December 1934 at water-stage recorder at present site, in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 183.91 ft (56.056 m) National Geodetic Vertical Datum of 1929. Prior to Apr. 16, 1934, Beale Street nonrecording gage 1.3 mi (2.1 km) upstream at present datum. Apr. 16 to Dec. 21, 1934, nonrecording gage 1,000 ft (305 m) downstream at present datum.

REMARKS.--Flow regulated by many locks, dams, and reservoirs upstream.

COOPERATION.--Records furnished by Corps of Engineers.

AVERAGE DISCHARGE.--44 years, 467,700 ft³/s (13,200 m³/s), 338,800,000 acre-ft/yr (418 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge 1,980,000 ft³/s (56,100 m³/s) Feb. 8, 1937, maximum gage height, 48.69 ft (14.841 m) Feb. 10, 1937, minimum discharge, 79,200 ft³/s (2,240 m³/s) Aug. 26, 1936, minimum gage height -5.35 ft (-1.631 m) Jan. 24, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage prior to 1937, 46.55 ft (14.188 m) at Beale St. gage or about 45.2 ft (13.78 m) at present site.

EXTREMES FOR WATER YEAR 1977.--Maximum discharge, 893,000 ft³/s (25,300 m³/s) Apr. 15 gage height, 24.70 ft (7.529 m); minimum daily discharge, 144,000 ft³/s (4,080 m³/s) Feb. 11.

NOTE.--Records for 1978 water year will be published in a subsequent report.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-3.60	4.00	-2.70	-2.30	-2.70	7.00	18.20	9.90	-4.40	7.10	1.00	3.00
2	-1.80	4.70	-2.30	-2.20	-3.30	10.20	19.00	10.10	-1.60	8.50	1.50	2.00
3	-1.20	5.50	-1.30	-2.20	-3.70	12.60	19.50	9.90	-1.80	9.10	.90	1.00
4	-.80	6.10	-.90	-2.20	-4.20	15.10	19.50	9.70	-2.20	9.20	.00	.80
5	-1.50	6.40	-.80	-2.40	-4.90	16.30	19.10	9.50	-2.60	7.60	-1.30	1.10
6	-1.70	6.30	-.80	-2.50	-5.30	17.30	18.40	9.70	-2.80	8.00	-1.30	1.10
7	-1.40	6.30	-.90	-2.50	-5.70	18.30	18.50	9.90	-3.00	7.90	-1.30	1.10
8	-1.20	6.20	-1.50	-2.50	-5.50	19.50	19.50	9.80	-3.10	7.40	-2.60	1.80
9	-1.70	5.80	-1.90	-2.50	-5.20	20.30	20.90	9.40	-3.00	6.40	-1.10	3.30
10	-2.40	5.10	-2.20	-2.00	-5.30	20.80	22.20	9.70	-2.90	5.50	-1.00	4.80
11	-2.70	4.10	-1.70	-1.60	-5.50	21.20	23.30	11.10	-2.90	4.80	-1.00	5.90
12	-3.50	2.60	.00	-1.30	-5.40	21.60	24.00	12.60	-3.10	4.20	-.90	6.30
13	-3.00	1.40	1.30	-1.30	-5.00	21.70	24.40	13.50	-3.10	3.70	-.60	6.00
14	-1.90	.30	2.90	-1.40	-5.00	21.60	24.40	13.80	-3.00	3.50	2.60	5.60
15	-.10	-.40	4.30	-1.40	-4.80	21.70	24.70	13.40	-2.80	3.80	4.90	4.90
16	1.10	-.70	5.40	-1.20	-4.00	22.10	24.60	12.40	-2.40	3.70	5.90	4.10
17	3.50	-1.10	5.60	-1.10	-2.80	22.40	24.20	10.90	-1.20	3.30	6.80	3.60
18	6.10	-1.50	5.00	-1.00	-.80	22.50	23.50	9.30	-.90	3.20	7.80	4.30
19	7.80	-1.90	4.10	-.10	1.40	22.40	22.30	7.70	-1.60	3.50	9.00	6.90
20	7.60	-2.00	3.50	-.10	3.80	22.10	20.20	6.30	-2.50	3.00	10.10	10.10
21	6.10	-2.50	2.80	.10	5.40	21.70	17.40	5.00	-3.50	3.20	10.60	11.60
22	3.40	-2.60	2.30	.20	5.50	21.10	14.20	3.90	-3.90	2.00	10.30	11.80
23	1.20	-2.60	1.50	.20	4.70	22.10	11.30	3.00	-3.50	.70	9.50	11.80
24	-.10	-2.50	.70	-.10	3.60	18.90	9.10	2.40	-2.80	.30	8.30	11.60
25	-.70	-2.60	.30	-.30	3.20	17.70	7.50	1.80	-2.70	.50	7.10	11.50
26	-.70	-3.60	-.20	-.30	3.10	16.80	7.20	1.00	-2.50	1.30	5.60	11.10
27	-.50	-3.30	-.50	-.40	3.40	16.10	8.00	.20	-1.00	1.80	4.00	10.80
28	.30	-3.10	-.90	-.50	4.20	15.60	9.00	.80	1.40	1.90	3.30	10.30
29	1.90	-2.90	-1.40	-.90	---	14.80	9.40	.90	3.30	1.90	3.80	10.00
30	2.80	-2.40	-1.70	-1.40	---	15.40	9.60	.80	5.30	2.00	3.80	9.80
31	3.20	---	-1.40	-2.00	---	17.00	---	.50	---	2.00	3.40	---
MEAN	.47	.97	.54	-1.26	-1.46	18.51	17.77	7.38	-1.89	4.23	3.52	6.27
MAX	7.80	6.40	5.60	.20	5.50	22.50	24.70	13.80	5.30	9.20	10.60	11.80
MIN	-3.60	-3.60	-2.70	-2.50	-5.70	7.00	7.20	.20	-3.90	.30	-2.60	.80

CAL YR 1976 MEAN 7.61 MAX 25.80 MIN -5.70
WTR YR 1977 MEAN 4.62 MAX 24.70 MIN -5.70

MISSISSIPPI RIVER MAIN STEM

07032000 MISSISSIPPI RIVER AT MEMPHIS, TN--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	165000	307000	198000	203000	192000	363000	650000	409000	225000	370000	245000	280000
2	191000	320000	203000	201000	185000	421000	669000	412000	209000	392000	249000	262000
3	199000	334000	216000	201000	178000	476000	679000	409000	203000	402000	239000	247000
4	205000	345000	221000	198000	166000	538000	670000	404000	195000	398000	223000	246000
5	195000	351000	221000	196000	159000	575000	651000	402000	191000	372000	208000	249000
6	192000	348000	219000	196000	152000	607000	633000	406000	187000	374000	209000	249000
7	197000	348000	220000	196000	146000	655000	644000	409000	185000	372000	209000	250000
8	199000	345000	214000	195000	149000	690000	686000	405000	184000	358000	196000	266000
9	192000	337000	210000	197000	152000	720000	740000	400000	186000	338000	215000	292000
10	182000	323000	208000	206000	148000	742000	792000	409000	188000	322000	216000	316000
11	178000	305000	218000	211000	144000	757000	835000	440000	185000	310000	217000	333000
12	167000	277000	247000	216000	147000	775000	865000	471000	184000	298000	219000	336000
13	174000	255000	272000	215000	150000	776000	878000	487000	185000	290000	231000	331000
14	190000	235000	299000	214000	149000	775000	886000	490000	186000	289000	287000	322000
15	218000	223000	264000	215000	152000	780000	893000	477000	189000	294000	323000	308000
16	238000	220000	342000	218000	166000	791000	886000	450000	192000	290000	342000	296000
17	280000	209000	344000	220000	189000	794000	869000	416000	217000	284000	358000	290000
18	337000	202000	331000	229000	224000	792000	837000	380000	218000	282000	377000	309000
19	361000	194000	313000	236000	261000	783000	780000	354000	205000	288000	400000	364000
20	359000	191000	301000	238000	301000	768000	695000	332000	190000	284000	418000	425000
21	332000	183000	287000	240000	328000	745000	591000	313000	174000	277000	424000	452000
22	284000	180000	278000	242000	322000	721000	497000	298000	173000	253000	413000	457000
23	247000	178000	263000	242000	306000	607000	432000	288000	180000	237000	392000	454000
24	227000	183000	249000	236000	289000	644000	386000	277000	192000	226000	366000	455000
25	219000	184000	242000	234000	284000	609000	357000	265000	191000	229000	339000	450000
26	220000	172000	234000	234000	285000	584000	356000	250000	202000	244000	308000	442000
27	224000	179000	229000	231000	292000	566000	374000	243000	233000	251000	285000	436000
28	239000	184000	222000	229000	313000	549000	392000	250000	270000	254000	282000	427000
29	266000	190000	214000	223000	---	536000	400000	251000	302000	255000	293000	423000
30	283000	200000	209000	218000	---	565000	403000	249000	338000	257000	295000	419000
31	292000	---	209000	207000	---	617000	---	241000	---	256000	290000	---
TOTAL	7252000	7502000	7697000	6737000	5929000	20321000	19426000	11287000	6159000	9346000	9068000	10386000
MEAN	233900	250100	248300	217300	211800	655500	647500	364100	205300	301500	292500	346200
MAX	361000	351000	344000	242000	328000	794000	893000	490000	338000	402000	424000	457000
MIN	165000	172000	198000	195000	144000	363000	356000	241000	173000	226000	196000	246000
AC=FT	14380000	14880000	15270000	13360000	11760000	40310000	38530000	22390000	12220000	18540000	17990000	20600000
CAL YR 1976	TOTAL	139854000	MEAN	382100	MAX	860000	MIN	138000	AC=FT	277400000		
WTR YR 1977	TOTAL	121110000	MEAN	331800	MAX	893000	MIN	144000	AC=FT	240200000		

07268000 LITTLE TALLAHATCHIE RIVER AT ETTA, MS

LOCATION.--Lat 34°29'00", long 89°13'30", in SE¼SW¼ sec.8, T.7 S., R.1 E., Chickasaw Meridian, Union County, Hydrologic Unit 08030201, on downstream side of right main pier of bridge on State Highway 30, 0.8 mi (1.3 km) northeast of Etta, 3.8 mi (6.1 km) upstream from Puskus Creek, 4 mi (6 km) downstream from Locks Creek, 13 mi (21 km) west of New Albany, and 55.0 mi (88.5 km) upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--526 mi² (1,362 km²).

PERIOD OF RECORD.--September 1938 to current year. November 1936 to May 1937 (gage heights and discharge measurements only) in reports of 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 (83.357 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Nov. 23, 1936, to May 31, 1937, nonrecording gage at same site at datum 5.33 ft (1.625 m) 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 (1.524 m) higher.

REMARKS.--Records poor. Doubtful or no gage-height record Nov. 16 to April 25.

AVERAGE DISCHARGE.--40 years, 839 ft³/s (23.76 m³/s), 21.66 in/yr (550 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 79,000 ft³/s (2,240 m³/s) Mar. 22, 1955, gage height, 29.32 ft (8.937 m); minimum, 4.1 ft³/s (0.12 m³/s) Oct. 3, 16, 1938.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 16,000 ft³/s (453 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Gage height (ft)	Date	Time	Discharge (ft ³ /s)	Gage height (ft)
Nov. 30	Unknown	Unknown	Unknown	May 7	1845	*44300	1250
Mar. 14	--	21,500	609	June 8	0615	17500	496
	a From floodmark.		a25.06				

Minimum daily discharge, 15 ft³/s (0.42 m³/s) Sept. 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	UCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	114	96	8000	400	600	700	210	3840	193	92	33	30
2	760	91	4000	350	500	1000	190	1210	216	85	31	30
3	154	555	2500	300	450	2000	170	728	226	81	28	30
4	72	347	1500	280	400	500	150	6280	168	99	28	25
5	50	731	1000	300	370	400	140	1880	143	83	123	22
6	42	892	800	700	350	350	130	726	197	73	53	21
7	37	433	700	600	300	600	120	29900	6960	68	44	20
8	1490	270	600	4000	270	500	110	33300	13500	77	43	19
9	555	211	1000	3000	260	500	110	13200	3770	68	38	18
10	238	170	600	1500	240	3000	200	3200	1100	66	38	18
11	162	123	450	900	230	1100	1500	1490	568	69	43	20
12	135	126	400	700	540	1200	500	1980	450	71	38	27
13	117	123	450	1000	450	1000	250	5600	350	55	45	28
14	103	117	1200	800	350	16000	200	1750	300	74	63	39
15	98	114	700	700	300	5000	170	872	250	72	37	37
16	90	1000	600	800	260	2000	150	669	230	69	29	34
17	83	4000	2500	4000	220	1200	300	575	210	55	26	27
18	118	1500	2000	1500	190	800	2000	452	200	48	25	23
19	80	1000	1000	1000	170	700	700	388	700	44	25	22
20	76	1300	600	900	150	600	300	340	500	41	31	21
21	74	10000	450	800	240	500	200	361	1000	38	22	20
22	73	6000	400	760	210	600	250	332	400	36	20	18
23	71	3000	350	1000	190	300	200	273	500	35	20	18
24	73	1500	400	3000	180	350	220	230	300	34	19	19
25	966	1000	1000	8000	170	1000	350	206	170	65	18	18
26	404	800	600	7000	160	700	262	186	130	246	73	15
27	225	700	450	3000	150	500	209	200	121	63	38	16
28	159	800	400	1500	600	400	178	255	115	57	22	22
29	135	5000	350	1000	---	350	167	352	105	45	24	21
30	117	15000	800	800	---	300	168	1210	98	39	31	20
31	105	---	500	700	---	250	---	286	---	35	34	---
TOTAL	6976	56999	36300	51290	8500	44400	9804	112271	33170	2083	1142	698
MEAN	225	1900	1171	1655	304	1432	327	3622	1106	67.2	36.8	23.3
MAX	1490	15000	8000	8000	600	16000	2000	33300	13500	246	123	39
MIN	37	91	350	280	150	250	110	186	98	34	18	15
CFSM	.43	3.61	2.23	3.15	.58	2.72	.62	6.89	2.10	.13	.07	.04
IN.	.49	4.03	2.57	3.63	.60	3.14	.69	7.94	2.35	.15	.08	.05

CAL YR 1977 TOTAL 252000 MEAN 690 MAX 26100 MIN 18 CFSM 1.31 IN 17.82
WTR YR 1978 TOTAL 363633 MEAN 996 MAX 33300 MIN 15 CFSM 1.89 IN 25.72

YAZOO RIVER BASIN

07272000 SARDIS LAKE NEAR SARDIS, MS

LOCATION.--Lat 34°23'57", long 89°47'10", in NE¼SW¼ sec.12, T.8 S., R.6 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030201, in gagehouse of dam of Little Tallahatchie River. 7.5 mi (12.1 km) southeast of Sardis, and 25.7 mi (41.4 km) upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--1,545 mi² (4,002 km²).

PERIOD OF RECORD.--September 1939 to current year. Prior to October 1970 published as Sardis Reservoir near Sardis.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum (levels by Corps of Engineers). Prior to Oct. 1, 1958, at datum 219.43 ft (66.882 m) NGVD.

REMARKS.--Reservoir is formed by hydraulic-fill earth dam, with concrete spillway and outlet tunnel on opposite ends of dam. Storage began Aug. 26, 1939; dam completed Aug. 1, 1940. Capacity, 1,569,900 acre-ft (1,940 hm³) at elevation 281.4 ft (85.771 m), crest of spillway, of which about 1,461,900 acre-ft or 1,800 hm³ is available for flood-control storage and about 108,000 acre-ft (133 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 236.0 ft (71.93 m), 16.6 ft (5.06 m) above sill of outlet tunnel. Water below elevation 219.4 ft (66.873 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Elevation and contents furnished by Corps of Engineers; records reviewed by Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,840,700 acre-ft (2,270 hm³) Apr. 28, 1973, elevation, 285.83 ft (87.121 m); minimum since initial filling of reservoir to conservation level, 47,900 acre-ft (59.1 hm³) Oct. 3, 1941, elevation, 228.93 ft (69.778 m).

EXTREMES FOR CURRENT YEAR.--Maximum contents, 1,063,000 acre-ft (1,310 hm³) June 13, elevation 271.69 ft (82.811 m); minimum, 184,400 acre-ft (227 hm³) Nov. 17, elevation, 241.88 ft (73.725 m).

Capacity table (elevation in feet, and contents, in thousands of acre-feet)

240	157.1	260	612.5
245	235.8	265	787.2
250	336.2	270	988.2
255	462.2	275	1220.7

CONTENTS, IN ACRE-Feet, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	443700	280200	355700	433000	500300	427200	480100	499700	991700	969400	781600	590300
2	446200	273600	429000	426700	500900	423000	478700	502600	989500	962600	775300	583600
3	450200	266800	476700	412200	500900	419600	477300	503800	986500	956600	769000	576600
4	450800	260000	502000	414900	500900	417000	475300	504300	985200	950300	762400	569400
5	447200	253700	513600	408400	500300	415400	473600	506100	984800	944600	756800	559800
6	442100	248000	523100	401600	499700	414600	471700	509000	983900	938500	751300	555100
7	436200	242400	526900	395800	498600	414100	469400	576600	954800	931900	746200	548000
8	429000	237800	529000	389800	496800	413600	467200	646900	998200	929000	740100	541000
9	426400	232800	529300	385500	495100	413100	465000	791000	1016100	925300	734700	534100
10	425100	226500	529600	381800	493100	412500	462800	891400	1045900	921200	730000	526900
11	424000	220100	528700	379900	490800	412500	461100	934000	1059000	915400	725400	519800
12	422500	213900	526400	379100	488500	413600	461100	954100	1062100	906800	719300	512500
13	418500	207500	522800	378700	486200	417200	462500	971900	1063000	897800	713600	506100
14	412800	201100	518900	377900	483100	421900	466100	987800	1062600	891800	708700	500000
15	406300	194200	515100	376500	480300	425500	468600	1004300	1060800	885700	703100	494200
16	399000	186800	511900	375000	477300	448900	470000	1014400	1054900	880500	696800	487900
17	391500	184400	508700	373800	474700	4469700	471100	1020100	1050000	874500	690600	482600
18	383800	185900	505500	373500	472200	449800	472200	1022700	1045500	867300	684300	476400
19	376200	187400	502300	378400	469400	4482900	475000	1024000	1040500	860200	677100	469700
20	368200	187400	499100	387500	466400	4484500	480600	1025800	1031600	853100	670600	463000
21	360000	188100	495700	392300	463000	4484800	487100	1025800	1029800	846500	663800	456500
22	351300	194800	491400	395800	459700	4485400	491100	1024900	1022700	839500	656700	449900
23	342400	201100	486500	395000	455900	4485700	493400	1024500	1020100	832900	649600	443200
24	333700	219400	481500	395000	451600	4485700	494800	1021400	1016600	825900	642500	435600
25	326200	231900	475900	397800	446700	4465400	496000	1017000	1012600	818600	635500	429500
26	318800	239400	470000	410500	441800	4485100	496500	1012600	1008300	813300	628900	422200
27	311600	243000	463600	442600	437000	4484500	497400	1010000	998700	807600	622000	414900
28	305100	246200	457800	448600	431700	4484300	498000	1007000	988200	803100	615500	407900
29	298500	250000	451600	4484300	---	4483400	498300	1003000	980900	797800	608300	401800
30	292500	288400	445600	493700	---	4482600	498300	997400	975300	792100	602500	396300
31	286600	---	439100	497700	---	4481500	---	994300	---	766500	596400	---
MAX	450800	288400	529600	497700	500900	485700	498300	1025800	1063000	969400	781600	590300
MIN	286600	184400	355700	373500	431700	412500	461100	499700	954800	766500	596400	396300
†	247.45	249.71	254.00	256.33	253.75	255.66	256.29	270.10	269.60	264.90	259.35	252.33
‡	-162000	+47700	+105400	+64600	-71200	+52100	+18000	+494000	-21500	-187600	-191900	-199600
CAL YR 1977	MAX	877700	MIN	179900	‡	+256000						
WTR YR 1978	MAX	1063000	MIN	184400	‡	-52000						

† Elevation, in feet, at 2400, on last day of month.

‡ Change in contents, in acre-feet.

07272500 LITTLE TALLAHATCHIE RIVER AT SARDIS DAM, NEAR SARDIS, MS

LOCATION.--Lat 34°23'57", long 89°47'10", in SW¼ sec.12, T.8 S., R.6 W., Chickasaw Meridian, Panola County, Hydrologic Unit 08030201, in gage house of Sardis Dam, 7.5 mi (12.1 km) southeast of Sardis, and 25.7 mi (41.4 km) upstream from head of Panola-Quitman Floodway.

DRAINAGE AREA.--1,545 mi² (4,002 km²).

PERIOD OF RECORD.--January 1940 to September 1976. Prior to October 1972 published as Tallahatchie River at Sardis Dam, near Sardis.

REVISED RECORDS.--WSP 1147: 1946(M). WSP 1711: 1942(M).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 1, 1948, at site 300 ft (91 m) downstream at datum 194.43 ft (59.262 m) NGVD. Jan. 1, 1948, to Sept. 30, 1958, at present site and datum 219.43 ft (66.882 m) NGVD.

REMARKS.--Flow completely regulated by Sardis Lake (see station 07272000).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

AVERAGE DISCHARGE.--37 years, 2,290 ft³/s (64.85 m³/s), 20.13 in/yr (511 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,900 ft³/s (337 m³/s) Apr. 28, 1973; minimum, no flow at times each year prior to 1959.

EXTREMES FOR WATER YEAR 1977.--Maximum daily discharge, 4,540 ft³/s (129 m³/s) Oct 20; minimum discharge, 15 ft³/s (0.42 m³/s) at times.

NOTE.--Records for 1978 water year will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3460	15	15	97	484	504	612	652	2440	2880	1790	2600
2	3430	15	15	97	484	509	612	653	2440	2870	1790	2600
3	3410	15	15	98	485	354	521	1180	2430	2860	1790	2600
4	3530	1330	15	98	485	15	15	1870	1200	2860	1790	2600
5	3660	3040	15	98	486	15	15	1870	768	2850	1780	2590
6	3630	3020	15	99	486	15	182	1870	2890	2840	1780	2590
7	3610	3000	15	262	487	15	304	1870	3530	2830	1780	2590
8	3580	2970	15	428	487	282	306	1870	2510	2820	614	2580
9	3550	2940	15	431	487	550	306	1870	2510	3150	15	2580
10	3520	3140	15	434	488	552	307	1870	2500	3710	15	2570
11	3490	3430	173	438	488	552	308	1870	2500	3840	15	2570
12	3460	3580	381	443	488	554	308	1870	2500	3700	15	2570
13	3430	3330	382	446	489	559	453	1870	2490	1840	15	2560
14	3400	3270	384	450	489	728	647	1870	2810	1840	15	2550
15	3690	3320	385	453	490	1070	647	1870	2980	1850	15	2620
16	4480	3390	386	457	490	1080	648	2400	2970	1850	15	2760
17	4420	3310	387	464	491	1080	648	3740	2970	1850	15	2760
18	3730	3370	388	468	491	1080	648	3570	2960	1850	15	2750
19	4280	3520	389	471	491	1080	648	1990	2960	1820	15	1080
20	4450	3680	390	472	491	1080	648	2490	2950	1820	15	1580
21	4540	3550	391	473	492	1080	648	2480	2950	1820	15	2740
22	4460	3430	392	474	492	1080	648	2480	2940	1820	15	2740
23	4380	3510	392	475	492	1080	649	2480	2930	1810	15	2730
24	4320	3180	393	476	493	914	649	2470	2930	1810	15	2720
25	4260	3070	396	478	494	609	650	2470	2920	1800	15	2710
26	3920	1680	397	479	495	609	651	2460	2910	1800	15	2710
27	4200	917	398	480	497	609	652	2460	2910	1800	15	3030
28	2910	616	400	481	500	609	652	2460	2900	1800	15	3400
29	15	15	404	482	---	610	653	2450	2890	1800	15	2950
30	15	15	234	483	---	611	653	2450	2890	1800	15	1950
31	15	---	100	483	---	611	---	2450	---	1800	1450	---
TOTAL	107245	73268	7692	11968	13712	20096	15288	66225	80478	71690	14894	77380
MEAN	3460	2442	248	386	490	648	510	2136	2683	2315	480	2570
MAX	4540	3680	404	483	500	1080	653	3740	3530	3840	1790	3400
MIN	15	15	15	97	484	15	15	652	768	1800	15	1080
†	-2844	-1590	+1034	+1807	+697	+5725	+3206	-1221	-2191	-1862	-159	-1645
CAL YR 1976 TOTAL	717613	MEAN	1961	MAX	4540	MIN	15	†	-143			
WIR YR 1977 TOTAL	559956	MEAN	1534	MAX	4540	MIN	15	†	+81.5			

† Change in contents, equivalent in cubic feet per second, in Sardis Lake (see station 07272000).

YAZOO RIVER BASIN

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 side of pier of bridge on State Highway 7, 1.5 mi (2.4 km) downstream from Burney Branch, 6 mi (10 km) south of Oxford, and at mi 42.3 (68.1 km).

DRAINAGE AREA.--262 mi² (679 km²).

PERIOD OF RECORD.--October 1951 to current year in reports of Geological Survey. May 1946 to September 1951 in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder and supplemental nonrecording gage read once daily. Datum of gage is 267.20 ft (81.443 m) National Geodetic Vertical Datum of 1929. Prior to Jan. 1, 1972, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Records poor.

AVERAGE DISCHARGE.--32 years, 382 ft³/s (10.82 m³/s), 19.80 in/yr (503 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 44,100 ft³/s (1,250 m³/s) Mar. 21, 1955, gage height, 28.72 ft (8.754 m), present datum, from rating curve extended above 22,000 ft³/s (623 m³/s); minimum, 4.4 ft³/s (0.12 m³/s) Sept. 14, 1954.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 9,710 ft³/s (275 m³/s) May 8, gage height, 26.33 ft (8.025 m), only peak above base of 8,000 ft³/s (227 m³/s); minimum daily, 16 ft³/s (0.45 m³/s) Sept. 21-26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	37	99	160	221	103	454	155	67	45	27	71	16
2	32	63	128	187	102	347	155	66	34	27	47	16
3	30	51	110	184	101	1890	788	95	31	27	37	15
4	29	46	98	204	97	8020	5040	133	29	26	32	15
5	29	43	90	219	96	4740	5820	89	28	26	30	15
6	48	41	98	304	90	2020	2400	68	27	25	28	16
7	48	40	158	507	85	1350	1420	59	27	25	26	17
8	41	37	146	378	82	1090	1090	467	26	25	28	17
9	38	37	111	943	81	896	862	386	25	24	24	16
10	34	38	94	1090	81	735	658	142	24	38	22	17
11	31	40	87	793	81	666	434	107	23	29	34	16
12	31	46	104	670	94	3300	304	88	23	27	29	16
13	31	42	116	376	104	2460	233	67	22	27	23	17
14	29	47	105	1440	101	1550	190	53	23	35	21	22
15	27	49	92	1080	92	1010	138	48	28	29	160	21
16	28	46	86	925	85	706	117	48	30	46	55	22
17	28	44	81	610	84	442	100	43	39	30	45	22
18	28	43	74	351	82	340	90	41	104	24	29	130
19	28	41	69	252	80	278	86	40	258	24	23	938
20	40	46	183	284	78	246	89	38	115	27	20	109
21	34	51	291	249	78	233	94	38	46	20	19	29
22	34	45	184	230	76	218	757	36	35	17	19	24
23	33	44	122	212	173	186	535	35	32	20	19	22
24	40	43	106	266	518	165	322	34	30	35	17	48
25	122	42	878	288	340	152	198	33	30	27	30	133
26	101	117	914	236	690	141	147	40	29	79	52	41
27	66	198	714	219	1620	138	116	40	31	43	18	63
28	51	334	568	219	723	298	97	44	30	40	17	111
29	41	408	295	202	---	382	81	38	28	134	16	428
30	108	278	239	142	---	258	74	34	28	216	17	159
31	158	---	266	115	---	186	---	48	---	606	17	---
TOTAL	1455	2499	6767	13396	6017	34897	22590	2565	1280	1805	1025	2531
MEAN	46.9	83.3	218	432	215	1126	753	82.7	42.7	58.2	33.1	84.4
MAX	158	408	914	1440	1620	8020	5820	467	258	606	160	938
MIN	27	37	69	115	76	138	74	33	22	17	16	15
CFSM	.18	.32	.83	1.65	.82	4.30	2.87	.32	.16	.22	.13	.32
IN.	.21	.35	.96	1.90	.85	4.95	3.21	.36	.18	.26	.15	.36

CAL YR 1976 TOTAL 101791 MEAN 278 MAX 4080 MIN 18 CFSM 1.06 IN 14.45
WTR YR 1977 TOTAL 96827 MEAN 265 MAX 8020 MIN 15 CFSM 1.01 IN 13.75

07274500 ENID LAKE NEAR ENID, MS

LOCATION.--Lat 34°09'29", long 89°54'14", in SW¼NE¼ sec.2, T.11 S., R.7 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, in gatehouse of dam on Yocona River, 0.8 mi (1.3 km) upstream from U.S. Highway 51, 2.8 mi (4.5 km) upstream from Illinois Central Railroad bridge, 3.2 mi (5.1 km) northeast of Enid, and 13.5 mi (21.7 km) upstream from the mouth of Yocona River.

DRAINAGE AREA.--560 mi² (1,450 km²).

PERIOD OF RECORD.--July 1951 to current year. Prior to October 1970, published as Enid Reservoir near Enid.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to May 24, 1952, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 200.00 ft (60.960 m) NGVD.

REMARKS.--Reservoir is formed by rolled-filled earth dam with concrete spillway and outlet tunnel. Storage began July 16, 1951. Capacity, 660,000 acre-ft (814 hm³) at elevation 268.0 ft (81.69 m), crest of spillway, of which about 602,400 acre-ft (743 hm³) is available for flood control and about 57,600 acre-ft (71.0 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 230.0 ft (70.10 m), 25 ft (7.6 m) above sill of outlet tunnel. Water below elevation 205.0 ft (62.48 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 752,000 acre-ft (927 hm³) Apr. 28, 1973, elevation, 271.15 ft (82.647 m); minimum since initial filling of reservoir to conservation level, 480 acre-ft (0.592 hm³) Sept. 23 to Oct. 7, 1952; minimum elevation, 207.10 ft (63.124 m) Oct. 3-7, 1952.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 440,700 acre-ft (543 hm³) June 11, elevation, 259.10 ft (78.974 m); minimum, 93,500 acre-ft (115 hm³) Nov. 16, elevation, 235.01 ft (71.631 m).

Capacity table (elevation in feet, and contents, in thousands of acre-feet)

235	93.4	250	270.0
240	139.4	255	358.2
245	197.3	260	460.2

CONTENTS, IN ACRE-FEET, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	181300	127200	209200	203400	281000	231700	262100	253400	395800	409800	301900	270500
2	181700	126000	226800	200900	279900	231400	262200	258900	395000	407800	301700	267900
3	182600	125200	233400	199100	278200	234000	261600	261300	394600	404700	301500	265500
4	180900	123900	237500	197000	277100	235800	261000	269000	393800	401900	301400	263200
5	179100	121600	239800	196100	275400	236600	260500	275200	393000	399000	301400	260600
6	176900	119400	239900	196000	273900	236400	259500	278400	391800	395800	301400	258000
7	174500	116900	239300	196900	272800	236600	259100	289200	391800	392600	301400	255800
8	173700	115400	237500	198100	270700	236200	258600	320000	421300	390600	301000	253100
9	172900	112900	236800	203900	268900	235900	257600	352000	434700	387500	301500	251300
10	172400	109500	235900	207100	267400	236900	257200	367800	439400	394500	301500	248500
11	172300	107200	234000	209500	266000	238400	259200	372800	440700	381100	302000	247000
12	170000	104700	232300	210900	264300	239200	260300	377000	440400	378400	304800	244700
13	167600	102000	230800	212300	261700	240500	260200	384100	440000	374700	304800	242800
14	166100	99100	231800	213200	261700	247000	259800	391000	438900	371600	305200	240100
15	163200	95900	231800	214200	260300	258700	259100	394400	436200	368300	305400	237800
16	161000	93500	230800	215400	259200	263800	258600	396600	433400	364100	305200	235200
17	159700	103400	230100	223700	256900	265500	258000	398400	430500	359900	305000	232900
18	154900	107600	229700	231700	254800	267000	257600	399200	427600	355700	302700	230700
19	150800	106000	228700	234900	253000	267000	255600	400000	431600	351600	300100	230700
20	147400	104400	227400	237500	251100	267000	256100	401700	433600	347500	297700	229200
21	144700	106200	225400	239200	247500	266500	255500	403100	433200	343400	295500	226800
22	142500	125900	223400	240500	246700	266500	255000	406800	432800	337300	293600	224500
23	140400	131900	221700	241900	243700	266500	254000	408800	432200	333100	290900	221700
24	138600	133400	219300	242900	241700	266300	253400	408200	430300	330400	289400	218900
25	136900	134600	217600	253400	239000	265700	252500	406600	427400	326200	287300	216500
26	135200	134800	215300	263900	236600	265400	251300	404900	424700	322700	284500	213800
27	133800	134400	213100	271800	234200	265100	250700	403300	421800	320200	281700	211400
28	132300	133900	211200	275600	232700	264900	250400	401300	419300	316500	279500	209400
29	131100	141200	209000	278400	---	264400	249100	399600	416400	312800	277600	207000
30	129600	179000	207400	280500	---	263900	247900	398600	413500	308900	275700	204700
31	128400	---	205500	281300	---	263500	---	397400	---	305000	273000	---
MAX	182600	179000	239900	281300	281000	267000	262200	408800	440700	409800	305400	270500
MIN	128400	93500	205500	196000	232700	231400	247900	253400	391800	305000	273000	204700
†	238.81	245.25	245.51	250.67	247.52	249.55	248.75	256.95	257.72	251.96	250.08	245.45
‡	-53900	+73100	+3400	+77000	-49000	+30800	-12400	+145800	+15700	-109000	-31600	-68100

CAL YR 1977 MAX 324200 MIN 84400 ‡ +119700

WTR YR 1978 MAX 440700 MIN 93500 ‡ +21800

† Elevation, in feet, at 2400, on last day of month.
‡ Change in contents, in acre-feet.

YAZOO RIVER BASIN

07275000 YOCONA RIVER AT ENID DAM, NEAR ENID, MS

LOCATION.--Lat 34°09'29", long 89°54'14", in SW¼NE¼ sec.2, T.11 S., R.7 W., Chickasaw Meridian, Yalobusha County, Hydrologic Unit 08030203, in gatehouse at Enid Dam, 0.8 mi (1.3 km) upstream from U.S. Highway 51, 2.8 mi (4.5 km) upstream from Illinois Central Railroad bridge, 3.2 mi (5.1 km) northeast of Enid, and 13.5 mi (21.7 km) upstream from mouth.

DRAINAGE AREA.--560 mi² (1,450 km²).

PERIOD OF RECORD.--July 1928 to September 1975. Prior to October 1951, published as Yocona River near Enid. Monthly discharge only for some periods, published in WSP 1311.

REVISED RECORDS.--WSP 1281: 1929, 1945. WSP 1511: 1929(M).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to July 14, 1939, nonrecording gage and July 14, 1939, to Aug. 19, 1940, water-stage recorder at site 150 ft (46 m) downstream from bridge on U.S. Highway 51, 0.8 mi (1.3 km) downstream. Aug. 20, 1940, to July 15, 1951, water-stage recorder at bridge on U.S. Highway 51. July 16, 1951, to May 23, 1952, nonrecording gage at present site. Prior to July 16, 1951, at datum 189.42 ft (57.735 m) NGVD July 16, 1951, to Sept. 30, 1958, at datum 200.00 ft (60.960 m) NGVD.

REMARKS.--Flow completely regulated by Enid Lake since July 16, 1951 (see station 07274500).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

AVERAGE DISCHARGE.--49 years, 853 ft³/s (24.16 m³/s), 20.69 in/yr (526 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 36,300 ft³/s (1,030 m³/s) Feb. 14, 1948, gage height, 21.61 ft (6.587 m), site and datum then in use; maximum discharge since July 1951, when regulation began, 6,060 ft³/s (172 m³/s) Dec. 28, 1951; minimum, no flow at times each year July 1951 to December 1958; minimum discharge prior to construction of Enid Dam, 34 ft³/s (0.96 m³/s) Sept. 28, 1931, but may have been less during periods of estimated record October to December 1931.

EXTREMES FOR WATER YEAR 1977.--Maximum daily discharge, 1,260 ft³/s (35.7 m³/s) May 24; minimum, 5.0 ft³/s (0.14 m³/s) at times.

NOTE.--Records for 1978 water year will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	1160	113	115	267	274	332	214	617	573	338	891
2	5.0	1160	113	116	267	274	332	214	616	572	338	1170
3	5.0	1150	113	116	267	190	270	379	615	572	338	1170
4	5.0	1140	114	116	266	5.0	5.0	595	539	571	338	1160
5	382	1140	114	117	266	5.0	5.0	595	155	570	338	1160
6	1130	1130	114	117	266	5.0	5.0	594	584	569	337	1160
7	1120	1120	115	193	266	167	121	594	583	569	337	1160
8	1120	1120	115	247	266	314	213	593	583	569	337	1150
9	1110	1110	115	249	266	315	213	594	582	440	337	1150
10	1110	1100	115	251	266	316	213	594	581	341	336	1150
11	1100	1100	116	254	265	316	213	593	581	340	336	1150
12	1100	1090	116	254	265	320	213	592	581	340	335	1150
13	1100	1080	116	255	266	324	214	591	580	340	335	1140
14	1100	1080	116	258	266	326	214	591	580	340	335	1140
15	984	1100	116	261	265	327	214	591	580	340	335	1140
16	712	1140	117	263	265	327	214	591	579	339	335	1140
17	709	1130	117	264	265	330	214	590	579	339	335	1130
18	706	1120	117	264	265	330	214	589	579	339	334	1130
19	703	1110	117	265	265	330	214	589	579	338	334	1130
20	702	1100	117	265	265	330	214	588	579	338	334	1130
21	699	1100	117	265	265	330	214	587	578	338	334	1120
22	696	1090	118	265	265	331	214	587	577	338	333	1120
23	694	1080	118	265	264	330	214	790	577	338	333	1120
24	691	1070	118	265	266	330	214	1260	577	338	332	1120
25	690	416	120	266	266	330	214	895	576	338	330	1120
26	690	110	121	266	267	331	214	619	575	338	332	1120
27	687	111	123	267	271	331	214	619	575	337	332	1120
28	836	112	124	267	273	331	214	619	574	337	331	1120
29	1180	112	124	267	---	331	214	619	573	338	331	1120
30	1170	113	125	267	---	331	214	618	573	338	331	905
31	1170	---	125	267	---	331	---	617	---	338	331	---
TOTAL	24111.0	27694	3639	7167	7452	8762.0	5987.0	18701	17007	12455	10752	33686
MEAN	778	923	117	231	266	283	200	603	567	402	347	1123
MAX	1180	1160	125	267	273	331	332	1260	617	575	332	1170
MIN	5.0	110	113	115	264	5.0	5.0	214	155	337	332	891
†	-680	-763	+333	+483	+169	+2028	+1239	-439	-494	-200	-346	-847
CAL YR 1976	TOTAL	245222.0	MEAN	670	MAX	1720	MIN	5.0	†	-46.8		
WTR YR 1977	TOTAL	177413.0	MEAN	486	MAX	1260	MIN	5.0	†	+42.0		

† Change in contents, equivalent, in cubic feet per second, in Enid Lake (see station 07274500).

07278000 ARKABUTLA LAKE NEAR ARKABUTLA, MS

LOCATION.--Lat 34°45'26", long 90°07'27", in SW¼ sec.2, T.4 S., R.9 W., Chickasaw Meridian, De Soto County, Hydrologic Unit 08030204, in gatehouse of dam on Coldwater River, 4 mi (6 km) north of Arkabutla, and 54.3 mi (87.4 km) upstream from the mouth of Coldwater River.

DRAINAGE AREA.--1,000 mi² (2,590 km²), approximately.

PERIOD OF RECORD.--August 1941 to current year. Prior to October 1970 published as Arkabutla Reservoir near Arkabutla.

REVISED RECORDS.--WSP 1007: 1941. WSP 1241: 1947.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 1, 1942, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 191.18 ft (58.272 m) NGVD.

REMARKS.--Reservoir is formed by rolled-filled earth dam with concrete spillway and outlet tunnel. Storage began Aug. 14, 1941. Dam completed Aug. 31, 1945. Capacity, 525,300 acre-ft (648 hm³) at elevation 238.3 ft (72.63 m), crest of spillway, of which about 493,800 acre-ft (609 hm³) is available for flood-control storage and about 31,500 acre-ft (38.8 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 209.3 ft (63.79 m), 18 ft (5.5 m) above sill of outlet gates. Water below elevation 191.3 ft (58.31 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 702,800 acre-ft (867 hm³) Apr. 25, 1973 (elevation, 243.08 ft or 74.091 m); minimum, since initial filling of reservoir to conservation level, 30 acre-ft (37,000 m³) at times during 1942-45; minimum elevation, 192.83 ft (58.775 m) Aug. 25, 1943.

EXTREMES FOR CURRENT YEAR.--Maximum contents, 354,300 acre-ft (437 hm³) May 16-17, elevation 232.46 ft (70.854 m); minimum, 29,700 acre-ft (36.6 hm³) Jan. 4, elevation, 208.91 ft (63.676 m).

Capacity table (elevation in feet, and contents, in thousands of acre-feet)

208	25.3	220	122.3
209	30.1	222	149.0
210	35.3	225	195.9
215	69.8	230	295.0
218	98.9	233	368.2

CONTENTS, IN ACRES-Feet, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	105600	74200	162000	44600	217600	104300	88600	72200	290300	270800	179500	105200
2	107200	71900	182900	39600	214800	101500	86400	73000	291000	267600	176300	104000
3	108000	70100	186100	35500	208500	100700	84300	73000	291600	265500	173000	103000
4	108000	68800	204500	29900	205500	101000	81900	75400	291000	262800	169600	101900
5	107600	67400	209900	29800	202400	100800	79700	77100	290300	259900	168500	100700
6	106800	66200	207100	30400	198900	99300	77300	78300	288700	256800	166300	99500
7	106200	65100	205500	31100	195000	97900	75300	91100	295200	253400	163900	98400
8	106200	64000	201500	33400	190700	95600	72900	194000	300500	251800	161200	97200
9	108100	63400	193000	45900	186700	93700	71100	271600	305600	249400	158600	96100
10	108100	61900	186000	53400	182600	91900	69400	304900	306100	247800	156100	95100
11	105400	60900	178000	58300	178300	91200	70000	317500	305800	244400	153200	93900
12	107100	59600	169600	60700	174000	90500	71100	424500	304900	241800	150000	93100
13	105600	58700	161200	62200	170500	89800	71600	337200	303300	238700	147200	92000
14	105900	57700	158300	62800	166800	95800	71600	350500	300700	236100	149300	91300
15	102100	55800	154200	62900	162900	108800	71500	353000	297800	234000	147300	91900
16	100200	53800	148400	62700	159700	115600	71000	354000	294800	230700	144100	91600
17	98800	56100	141800	72500	155900	117800	70600	354300	291400	227500	141100	91000
18	96900	57500	134900	66200	151900	119200	70400	353800	289000	223900	138200	90200
19	95100	57100	127200	94100	148300	118500	70800	351000	289400	220500	134900	89200
20	93400	55800	119500	96800	144400	117200	71300	349700	287000	217200	131800	88300
21	91700	56300	112600	97300	140400	115100	71200	348200	285200	213500	129100	87200
22	90000	65400	106400	97300	136200	114800	71000	344900	286300	209700	126000	86000
23	88100	73200	99600	97300	130800	112800	71000	340100	289900	206600	122900	85000
24	86400	76900	94800	97300	126300	110600	70600	334500	290300	203200	121200	83700
25	85400	78100	86600	120600	120900	107600	70500	328900	288100	199900	117000	82500
26	83900	78900	79900	171100	116600	104900	71100	323000	285400	196600	114000	81400
27	82300	79400	73800	196200	112100	102400	71700	317000	283000	194500	111000	80200
28	80800	79300	68500	207100	108200	99700	71700	311400	279900	192500	108100	79200
29	79100	80700	61700	213100	---	97100	71500	306300	277100	189000	106600	78100
30	77400	113100	56400	217200	---	94400	71100	301400	274000	187200	107200	78100
31	76100	---	50600	217600	---	91900	---	295500	---	182100	106200	---
MAX	108100	113100	209900	217600	217600	119200	88600	354300	306100	270800	179500	105200
MIN	76100	53800	50600	29800	108200	89800	69400	72200	274000	182100	106200	78100
†	215.55	222.19	211.88	226.22	218.58	217.13	215.14	229.86	228.93	224.08	218.59	215.87
‡	-30600	+77200	-105300	+171100	-112200	-15700	-18700	+220900	-20500	-90800	-75100	-28000
CAL YR 1977	MAX	209900	MIN	39500	†	+6600						
WTR YR 1978	MAX	354300	MIN	29800	‡	-27700						

† Elevation, in feet, at 2400, at end of month.

‡ Change, in contents, in acre feet.

YAZOO RIVER BASIN

07278500 COLDWATER RIVER AT ARKABUTLA DAM, NEAR ARKABUTLA, MS

LOCATION.--Lat 34°45'26", long 90°07'27", in SW¼ sec.2, T.4 S., R.9 W., Chickasaw Meridian, De Soto County, Hydrologic Unit 08030204, in gatehouse of Arkabutla Dam, 4.0 mi (6.4 km) north of Arkabutla, and 54.3 mi (87.4 km) upstream from mouth.

DRAINAGE AREA.--1,000 mi² (2,590 km²), approximately.

PERIOD OF RECORD.--May 1937 to September 1941, January 1942 to September 1976. Prior to October 1938 monthly discharge only, published in WSP 1311. Prior to October 1941 published as "at Pratts Bridge near Arkabutla."

REVISED RECORDS.--WSP 1241: 1946. WSP 1441: 1938(M).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Oct. 1, 1939, nonrecording gage and Oct. 1, 1939, to Sept. 30, 1941, water-stage recorder at site 1.7 mi (2.7 km) downstream at datum 187.54 ft (57.162 m) NGVD. Jan. 1 to June 30, 1942, nonrecording gage 135 ft (41 m) downstream from outlet tunnel of Arkabutla Dam and July 1, 1942, to Dec. 31, 1947, water-stage recorder at site 370 ft (113 m) downstream from outlet tunnel, both at datum 171.28 ft (52.206 m) NGVD. Jan. 1, 1948, to Sept. 30, 1958, at present datum 191.18 ft (58.272 m) NGVD.

REMARKS.--Flow completely regulated by Arkabutla Lake since January 1942 (see station 07278000).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

AVERAGE DISCHARGE.--39 years, 1,302 ft³/s (36.87 m³/s), 17.68 in/yr (449 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 30,200 ft³/s (855 m³/s) Jan. 22, 1938 (gage height, 12.9 ft or 3.93 m, site and datum then in use); no flow at times each year 1942 to 1958; minimum daily discharge, prior to the effect of construction of Arkabutla Lake, 120 ft³/s (3.40 m³/s) Oct. 15, 1938.

EXTREMES OUTSIDE PERIOD OF RECORD.--A stage of 21.3 ft or 6.49 m (from floodmarks) occurred in January 1935 at original site and datum.

EXTREMES FOR WATER YEAR 1977.--Maximum daily discharge, 2,670 ft³/s (75.6 m³/s) Mar. 15; minimum, 5.0 ft³/s (0.14 m³/s) at times.

NOTE.--Records for 1978 water year will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1180	1830	405	112	820	501	1980	1320	530	270	274	452
2	1140	1770	405	113	866	504	1920	1310	528	270	274	544
3	1080	1930	405	113	1220	358	1600	675	527	270	274	543
4	406	1450	405	113	1440	5.0	5.0	157	526	270	274	542
5	5.0	744	403	114	1420	5.0	5.0	159	524	270	274	541
6	5.0	723	401	114	1370	5.0	634	160	522	270	274	539
7	5.0	702	399	266	1320	5.0	1700	161	521	270	274	538
8	5.0	685	401	425	1280	679	1780	161	520	270	273	537
9	5.0	664	401	440	1240	1410	1120	161	518	270	273	535
10	5.0	518	396	487	1190	1410	1120	161	516	270	273	534
11	5.0	330	392	517	1150	1410	1120	161	515	270	272	532
12	5.0	325	391	527	1110	1410	1120	161	513	270	272	531
13	5.0	324	390	534	1080	1420	1480	161	511	270	272	530
14	5.0	319	385	674	1040	1830	2080	161	169	270	272	532
15	5.0	317	381	880	1020	2670	2030	161	5.0	270	272	533
16	5.0	315	378	1020	727	2620	1970	162	5.0	269	274	532
17	5.0	311	374	1080	376	2560	1910	407	5.0	269	274	532
18	5.0	307	369	1080	373	2480	1860	548	5.0	269	274	531
19	5.0	307	365	1080	366	2420	1820	546	5.0	269	274	531
20	5.0	307	355	1080	363	2360	1790	545	5.0	269	274	530
21	5.0	303	354	1060	361	2290	1760	544	5.0	269	274	528
22	5.0	628	351	1040	358	2210	1720	543	5.0	269	274	526
23	5.0	931	347	1040	367	2170	1670	541	179	269	274	525
24	5.0	902	343	1020	404	2240	1640	540	270	270	273	347
25	5.0	628	343	995	439	2410	1600	539	270	270	273	5.0
26	5.0	102	346	985	458	2330	1530	538	270	270	273	256
27	5.0	111	349	975	474	2280	1510	536	270	270	273	585
28	915	112	347	897	493	2220	1460	535	270	270	272	590
29	2010	269	347	945	---	2160	1420	534	270	271	272	595
30	1960	397	237	925	---	2100	1380	533	270	272	272	601
31	1900	---	112	902	---	2040	---	531	---	273	272	---
TOTAL	10706.0	18561	11277	21553	23125	50512.0	44734.0	13352	9049.0	8368	8469	15177.0
MEAN	345	619	364	695	826	1629	1491	431	302	270	273	506
MAX	2010	1930	405	1080	1440	2670	2080	1320	530	273	274	601
MIN	5.0	102	112	112	358	5.0	5.0	157	5.0	269	272	5.0
†	+84.6	-254	-37.4	+522	-450	+755	-331	+244	+13.4	+104	-53.7	+212
CAL YR 1976 TOTAL	360005.0			MEAN 984	MAX 4090	MIN 5.0	† -24.2					
WTR YR 1977 TOTAL	234883.0			MEAN 644	MAX 2670	MIN 5.0	† +73.3					

† Change in contents, equivalent in cubic feet per second, in Arkabutla Lake (see station 07278000).

07280000 TALLAHATCHIE RIVER NEAR LAMBERT, MS

LOCATION.--Lat 34°10'50", long 90°12'55", in NE¼SW¼ sec.29, T.27 N., R.1 E., Choctaw Meridian, Quitman County, Hydrologic Unit 08030202, near center of span on downstream side of highway bridge, 0.2 mi (0.3 km) downstream from confluence of Old Little Tallahatchie River and Coldwater River, 3.5 mi (5.6 km) southeast of Lambert, and 26.2 mi (42.2 km) upstream from the Panola-Quitman Floodway.

DRAINAGE AREA.--1,980 mi² (5,130 km²), approximately (does not include 2,600 mi² or 6,730 km²) of upper Little Tallahatchie (formerly Tallahatchie) and Yocona Rivers, the entire flow of which is diverted 24.5 mi (39.4 km) upstream through Panola-Quitman Floodway.

PERIOD OF RECORD.--October 1935 to September 1976. Prior to October 1938, monthly discharge only, published in WSP 1311.

REVISED RECORDS.--WSP 1281: 1939.

GAGE.--Water-stage recorder. Datum of gage is 123.83 ft (37.743 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Sept. 5, 1946, nonrecording gage at same site and datum. Since Sept. 11, 1946, auxiliary water-stage recorder 5.8 mi (9.3 km) downstream from base gage at datum 2.66 ft (0.811 m) higher. Dec. 9, 1938, to Sept. 10, 1946, auxiliary nonrecording gage at same site and datum.

REMARKS.--Flow partly regulated by Arkabutla Lake on Coldwater River (see station 07278000). Entire flow of Little Tallahatchie River and Yocona River diverted around the station through the Panola-Quitman Floodway.

COOPERATION.--Results of 25 discharge measurements and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

AVERAGE DISCHARGE.--42 years, 2,663 ft³/s (75.42 m³/s), 18.26 in/yr (464 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 32,800 ft³/s (929 m³/s) Jan. 30, 1937 (gage height, 35.54 ft or 10.833 m); minimum, 59 ft³/s (1.67 m³/s) Oct. 27-29, 1942; minimum gage height, 5.85 ft (1.783 m) Oct. 16-21, 1938.

EXTREMES OUTSIDE PERIOD OF RECORD.--A stage of 36.8 ft (11.22 m), from floodmarks, occurred in January 1932 (probably affected by levee breaks above).

EXTREMES FOR WATER YEAR 1977.--Maximum discharge, 8,350 ft³/s (236 m³/s) Mar. 5, gage height, 28.71 ft (8.751 m); minimum daily, 161 ft³/s (4.56 m³/s) Oct. 14.

NOTE.--Records for 1978 water year will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1410	2350	933	588	1250	839	2440	1580	788	790	661	453
2	1380	2340	831	511	1130	787	2360	1510	780	636	520	534
3	1360	2240	780	377	1120	799	2320	1480	766	553	762	740
4	1320	2200	771	337	1180	5510	2340	2710	762	509	720	670
5	1180	2200	763	322	1560	8350	6220	1980	758	501	674	680
6	492	1500	748	261	1670	8200	6060	1300	674	475	601	693
7	309	1080	785	563	1690	7570	4600	1000	600	443	568	689
8	162	937	973	635	1640	6280	3950	600	771	439	556	693
9	162	867	975	767	1590	4880	3660	1460	784	444	501	696
10	162	847	853	1600	1520	4280	2790	1540	756	355	482	689
11	162	760	784	1650	1480	4000	2160	1240	742	386	452	686
12	162	524	749	1400	1450	3830	1780	1170	734	622	450	683
13	162	430	736	1170	1400	3720	1600	1090	730	558	510	692
14	161	424	700	1570	1370	3620	1470	881	772	500	488	743
15	162	422	678	5070	1340	3580	1970	692	1140	400	481	1060
16	245	415	646	5340	1300	3560	2200	562	1620	326	747	1110
17	165	422	632	4870	1260	3470	2240	507	1760	390	798	1090
18	178	425	622	3920	830	3420	2180	257	2380	552	653	992
19	181	409	595	3270	660	3280	2160	648	2520	554	555	810
20	168	394	568	2140	630	3160	2930	891	2270	540	511	710
21	178	399	555	2120	592	3010	3330	760	1870	490	493	782
22	186	394	548	1830	571	2950	2980	710	1420	685	482	674
23	189	387	541	1620	564	2850	2630	710	1100	592	489	620
24	189	736	528	1520	724	2690	2400	608	943	472	500	690
25	196	883	588	1790	1080	2590	2210	687	876	821	491	1240
26	442	1140	815	1840	883	2660	2100	805	845	820	485	1490
27	773	854	685	1740	779	2720	1980	803	1060	628	483	1180
28	480	1160	660	1620	938	2730	1810	684	919	560	471	1390
29	207	1070	655	1450	---	2650	1750	681	880	380	468	1400
30	268	1040	645	1360	---	2640	1650	706	821	988	508	1630
31	2030	---	645	1310	---	2570	---	815	---	997	452	---
TOTAL	14821	29249	21987	54561	32201	113195	80270	31067	32841	17406	17012	26209
MEAN	478	975	709	1760	1150	3651	2676	1002	1095	561	549	874
MAX	2030	2350	975	5340	1690	8350	6220	2710	2520	997	798	1630
MIN	161	387	528	261	564	787	1470	257	600	326	450	453

CAL YR 1976 TOTAL 703257 MEAN 1921 MAX 8650 MIN 161 + -24.2
WTR YR 1977 TOTAL 470819 MEAN 1290 MAX 8350 MIN 161 + +73.3

+ Change in contents, equivalent in cubic feet per second, in Arkabutla Lake (see station 07278000)

YAZOO RIVER BASIN

07280270 TILLATOBA CREEK BELOW OAKLAND, MS

LOCATION.--Lat 33°59'40", long 89°57'12", in NE¼ sec.35, T.25 N., R.3 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, near right bank on upstream side of bridge on county road, 3.3 mi (5.3 km) west of Tillatoba, and 4.6 mi (7.4 km) southwest of Oakland.

DRAINAGE AREA.--37.1 mi² (96.1 km²).

WATER DISCHARGE RECORDS

PERIOD OF RECORD.--September 1974 to current year.

GAGE.--Water-stage recorder and nonrecording gage read twice daily. Altitude of gage is 220 ft (67 m) from topographic map.

REMARKS.--Records fair, except for periods of no gage-height record Dec. 26 to Jan. 30 and Feb. 8 to Mar. 12 which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,820 ft³/s (165 m³/s) Mar. 29, 1975, gage height, 17.72 ft (5.401 m); minimum daily, 0.08 ft³/s (0.002 m³/s) Sept. 24, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft³/s (57 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Nov. 21	1600	3200 90.6	16.00 4.877	May 8	0930	3750 106	16.40 4.999
Nov. 29	1415	2900 82.1	15.73 4.797	June 7	1130	3050 86.4	15.87 4.837
May 1	1630	*4260 121	16.73 5.099				

Minimum daily discharge, 0.71 ft³/s (0.020 m³/s) Aug. 27-28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.4	1.6	394	13	24	20	15	993	12	16	2.1	2.2
2	5.0	1.9	132	11	22	100	10	92	66	8.3	1.7	2.0
3	3.1	6.0	70	10	19	60	9.2	88	17	11	1.6	2.0
4	2.9	3.5	44	9.0	17	30	8.6	302	13	9.0	1.5	1.7
5	2.1	4.5	26	8.4	13	15	8.8	63	10	7.4	2.6	1.4
6	2.2	3.5	20	8.0	12	13	8.5	33	9.0	7.2	1.4	1.5
7	1.9	4.0	17	7.8	16	14	7.9	25	903	36	1.1	1.2
8	48	3.5	16	130	12	17	7.4	1220	688	30	1.2	1.5
9	15	3.9	15	35	11	14	6.8	211	150	9.0	1.4	1.2
10	4.1	3.3	14	17	11	20	8.3	86	96	6.6	1.5	1.4
11	2.5	2.2	13	13	10	15	231	49	69	5.6	1.9	7.3
12	1.9	2.1	12	26	10	11	26	32	49	5.0	2.9	3.5
13	1.7	1.9	103	30	40	30	17	24	37	4.5	2.1	4.0
14	1.7	1.8	134	24	20	384	12	20	27	8.8	1.5	4.5
15	1.6	1.9	32	20	15	53	11	18	15	7.0	1.1	3.3
16	1.4	169	27	260	13	30	9.5	17	9.9	4.5	1.0	2.7
17	1.3	54	102	342	12	22	9.0	17	9.2	3.7	.85	2.4
18	1.5	22	34	104	11	19	12	16	8.8	3.3	1.5	2.1
19	1.6	41	22	70	10	17	9.5	121	97	3.1	1.6	1.9
20	1.5	35	17	42	10	16	8.1	34	33	2.7	1.4	1.6
21	1.5	1510	16	35	13	15	7.2	19	19	4.4	1.2	1.5
22	15	173	13	36	10	14	6.8	15	15	2.9	1.1	1.4
23	7.0	60	13	40	10	16	7.9	12	11	3.1	1.0	1.4
24	18	35	13	970	9.6	28	7.5	9.7	9.5	3.3	1.0	1.1
25	51	19	10	713	9.4	21	6.7	8.3	8.3	2.7	.93	1.0
26	10	9.8	9.2	151	9.2	12	6.2	7.0	7.5	3.1	.85	.93
27	4.1	7.7	8.6	64	9.0	11	5.9	6.1	7.0	3.8	.71	2.7
28	2.9	20	8.2	45	50	11	5.6	5.9	6.7	3.2	.71	3.5
29	1.9	1320	8.0	35	---	10	5.4	35	6.5	2.4	8.2	2.5
30	1.8	1090	56	30	---	12	22	71	6.5	2.1	4.4	2.3
31	1.7	---	20	22	---	24	---	13	---	1.9	2.7	---
TOTAL	225.3	4611.1	1419.0	3321.2	428.2	1074	516.8	3663.0	2415.9	221.6	54.75	67.73
MEAN	7.27	154	45.8	107	15.3	34.6	17.2	118	80.5	7.15	1.77	2.26
MAX	51	1510	394	970	50	384	231	1220	903	36	8.2	7.3
MIN	1.3	1.6	8.0	7.8	9.0	10	5.4	5.9	6.5	1.9	.71	.93
CFSM	.20	4.15	1.24	2.88	.41	.93	.46	3.18	2.17	.19	.05	.06
IN.	.23	4.62	1.42	3.33	.43	1.08	.52	3.67	2.42	.22	.05	.07

CAL YR 1977	TOTAL	18557.74	MEAN	50.8	MAX	1730	MIN	.08	CFSM	1.37	IN	18.61
WTR YR 1978	TOTAL	18018.58	MEAN	49.4	MAX	1510	MIN	.71	CFSM	1.33	IN	18.07

07280270 TILLATOBA CREEK BELOW OAKLAND, MS--Continued

WATER QUALITY RECORDS

PERIOD OF RECORD.--Water years 1975, 1977 to current year.

REMARKS.--Sediment samples are collected by a local observer. Additional water-quality records at this site are given under short-term water-quality stations.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
FEB				
08...	1315	11	75	2.2
15...	1305	15	51	2.1
22...	1400	10	36	.97
MAR				
01...	1310	20	89	4.8
08...	1300	17	55	2.5
15...	1310	53	150	21
22...	1300	14	28	1.1
29...	1315	10	26	.70
APR				
05...	1600	8.8	69	1.6
10...	2045	11	282	8.4
10...	2145	17	240	11
10...	2343	44	1630	194
11...	0025	115	1390	432
11...	0100	270	2440	1780
11...	0145	550	3130	4650
11...	0210	8.4	2310	52
11...	2045	4.6	418	5.2
12...	1255	26	67	4.7
19...	1610	9.5	28	.72
26...	1521	16	14	.60
MAY				
03...	1449	100	1110	300
08...	1104	1910	2100	10800
08...	1245	1780	1460	7020
08...	1345	1800	1690	8210
10...	1730	86	150	35
17...	1345	16	37	1.6
24...	2027	9.2	70	1.7
31...	1553	12	122	4.0
JUN				
01...	2030	9.2	4090	102
01...	2245	24	2090	135
07...	2330	24	3490	233
08...	0840	522	618	871
14...	2115	28	218	16
21...	2105	19	179	9.2
28...	1520	4.8	51	.66
JUL				
05...	1345	7.3	104	2.0
12...	1630	5.0	24	.32
19...	2125	3.1	44	.37
26...	1625	3.1	22	.18
AUG				
02...	1715	1.7	21	.10
09...	2020	1.4	18	.07
16...	1915	7.3	23	.45
23...	1600	1.0	14	.04
30...	1715	3.8	72	.74
SEP				
06...	2055	1.5	16	.06
13...	1730	3.8	52	.53
20...	2100	1.4	15	.06
27...	1850	4.4	50	.59

YAZOO RIVER BASIN

07280340 SOUTH FORK TILLATOBA CREEK NEAR CHARLESTON, MS

LOCATION.--Lat 33°58'42", long 89°58'45", in NE¼ sec.4, T.24 N., R.3 E., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, on left bank, 80 ft (24 m) downstream from left end of bridge on county road, 1.9 mi (3.1 km) south of intersection of county road and Mississippi Highway 32, 4.8 mi (7.7 km) west of Tillatoba and 4.8 mi (7.7 km) east-southeast of Charleston.

DRAINAGE AREA.--53.9 mi² (140 km²).

WATER-DISCHARGE RECORD

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

GAGE.--Water-stage recorder. Altitude of gage is 215 ft (65.5 m), from topographic map.

REMARKS.--Records fair. Doubtful gage-height record June 20 to Aug. 2.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 8,110 ft³/s (230 m³/s) Mar. 4, 1977, gage height 19.64 ft (5.986 m) (from floodmark), from rating curve extended above 1800 ft³/s (51.0 m³/s). Minimum daily discharge, 2.0 ft³/s (0.057 m³/s), Sept. 5, 1977.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,200 ft³/s (34 m³/s) and maximum (*), from rating curve extended above 1,800 ft³/s (51 m³/s):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Nov. 21	--	2150 60.6	al0.47 3.191	May 7	1530	*6570 186	17.72 5.401
Jan. 24	--	Unknown	Unknown	June 7	1515	5580 158	16.38 4.993

a From reconstructed graph.

Minimum daily discharge, 2.3 ft³/s (0.065 m³/s) Aug. 24.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	5.0	455	23	29	47	25	572	13	15	6.0	4.1
2	9.0	5.4	75	21	28	261	20	56	92	11	4.3	4.1
3	8.0	18	54	20	26	191	16	214	22	14	4.6	4.3
4	8.0	5.5	49	19	24	47	15	1000	15	12	4.1	4.1
5	7.0	8.7	47	19	23	32	15	42	12	11	4.1	3.8
6	6.0	7.2	43	18	22	29	14	29	10	10	4.0	3.7
7	6.0	8.3	40	20	22	31	14	2940	2350	15	4.3	3.6
8	100	5.0	41	150	22	33	13	1220	1230	20	6.1	3.7
9	25	6.4	53	50	22	28	13	155	53	11	6.5	3.7
10	10	7.9	43	30	21	50	15	37	31	9.0	8.9	4.9
11	7.0	5.7	42	25	21	39	146	27	26	8.0	11	11
12	5.0	5.4	42	35	21	32	50	181	23	7.0	6.3	4.7
13	4.5	5.2	108	50	66	48	25	50	20	6.4	4.6	6.5
14	4.0	5.2	162	35	32	572	20	26	18	30	3.7	4.7
15	4.0	5.4	46	35	25	56	15	20	17	14	3.4	5.2
16	3.5	221	36	350	23	41	14	18	16	10	3.4	3.8
17	3.5	145	73	600	21	34	13	17	16	8.0	3.3	3.3
18	4.0	24	44	200	21	28	17	19	13	6.0	3.2	3.2
19	5.0	14	34	100	19	24	15	82	19	5.0	3.0	3.2
20	4.0	76	31	60	19	23	13	55	18	4.5	2.9	2.9
21	3.5	1210	29	50	19	23	12	13	15	7.0	2.7	2.7
22	10	284	26	45	18	25	11	21	12	5.0	2.4	2.7
23	7.0	44	25	50	19	30	13	13	11	4.5	2.5	2.7
24	8.0	24	25	1500	18	50	11	12	10	5.0	2.3	2.7
25	135	17	24	1000	18	30	10	10	9.4	4.5	2.5	2.8
26	20	14	23	300	17	20	9.6	9.2	9.0	4.0	3.8	2.8
27	9.4	13	23	100	16	17	9.4	8.5	8.6	9.0	3.2	8.5
28	6.8	17	23	60	138	16	9.2	8.5	8.4	8.0	2.9	4.9
29	5.7	680	28	40	---	15	9.0	18	8.2	7.0	9.6	4.1
30	5.4	772	27	35	---	17	10	36	8.0	5.0	6.9	4.1
31	5.2	---	25	30	---	30	---	9.4	---	4.0	4.6	---
TOTAL	454.5	3659.3	1796	5070	770	1919	592.2	6918.6	4113.6	289.9	141.1	126.5
MEAN	14.7	122	57.9	164	27.5	61.9	19.7	223	137	9.35	4.55	4.22
MAX	135	1210	455	1500	138	572	146	2940	2350	30	11	11
MIN	3.5	5.0	23	18	16	15	9.0	8.5	8.0	4.0	2.3	2.7
CFSM	.27	2.26	1.07	3.04	.51	1.15	.37	4.14	2.54	.17	.08	.08
IN.	.31	2.53	1.24	3.50	.53	1.32	.41	4.77	2.84	.20	.10	.09

CAL YR 1977 TOTAL 22740.5 MEAN 62.3 MAX 2780 MIN 2.0 CFMS 1.16 IN 15.69
WTR YR 1978 TOTAL 25850.7 MEAN 70.8 MAX 2940 MIN 2.3 CFMS 1.31 IN 17.84

07280340 SOUTH FORK TILLATOBA CREEK NEAR CHARLESTON, MS--Continued

WATER QUALITY RECORDS

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

REMARKS.--Sediment samples are collected by a local observer. Additional water-quality records at this site are given under short-term water-quality stations.

SUSPENDED SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)
FEB				
08...	1300	22	30	1.8
15...	1300	25	48	3.2
22...	1405	17	26	1.2
MAR				
01...	1250	45	86	10
08...	1245	32	49	4.2
15...	1300	52	118	17
22...	1245	22	35	2.1
29...	1301	15	28	1.1
APR				
05...	1540	15	25	1.0
11...	0004	47	1300	165
11...	0120	80	1360	294
12...	1245	55	89	13
19...	1555	15	63	2.6
26...	1532	9.2	30	.75
MAY				
03...	1430	63	222	38
08...	1125	1860	5030	25300
08...	1306	1920	5120	26500
10...	1718	98	141	37
17...	1415	35	142	13
24...	2000	11	52	1.5
31...	1610	9.2	86	2.1
JUN				
07...	2000	2900	4640	36300
08...	0815	1500	3490	14100
14...	2130	30	64	5.2
21...	2045	15	58	2.3
28...	1445	8.4	24	.54
JUL				
05...	1330	11	32	.95
12...	1610	7.0	19	.36
19...	2145	10	44	1.2
26...	1600	6.9	23	.43
AUG				
02...	1700	4.4	30	.36
09...	2137	4.8	54	.70
16...	1930	3.7	27	.27
23...	1620	3.0	23	.19
30...	1730	6.5	76	1.3
SEP				
06...	2125	5.4	50	.73
13...	1800	5.8	54	.85
20...	2130	4.2	101	1.1
27...	1905	11	262	7.8

YAZOO RIVER BASIN

07281000 TALLAHATCHIE RIVER AT SWAN LAKE, MS

LOCATION.--Lat 33°51'35", long 90°16'35", on line between secs.14 and 15, T.23 N., R.1 W., Choctaw Meridian, Tallahatchie County, Hydrologic Unit 08030202, on downstream side of left pier of highway bridge, 1.0 mi (1.6 km) southeast of Swan Lake, 3.0 mi (4.8 km) downstream from Cassidy Bayou, and 18.0 mi (29.0 km) downstream from point where Panola-Quitman floodway empties into Tallahatchie River.

DRAINAGE AREA.--5,130 mi² (13,290 km²), approximately.

PERIOD OF RECORD.--November 1929 to September 1938 (except low-water periods). October 1938 to September 1976. Monthly discharge only for some periods, published in WSP 1311. Gage-height records collected in same vicinity since November 1904 are contained in reports of National Weather Service.

REVISED RECORDS.--WSP 1711: 1932(M).

GAGE.--Water-stage recorder. Datum of gage is 113.38 ft (34.558 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 11, 1934, nonrecording gage at datum 2.00 ft (0.610 m) higher; Oct. 11, 1934, to Sept. 18, 1944, nonrecording gage at present datum; and Sept. 19, 1944, to Dec. 31, 1958, water-stage recorder at present datum; all at site 1.3 mi (2.1 km) upstream. Oct. 4, 1944, to Dec. 31, 1958, auxiliary water-stage recorder at site 2.8 mi (4.5 km) downstream from former base gage at datum 0.95 ft (0.290 m) lower. Nov. 22, 1939, to Oct. 3, 1944, auxiliary nonrecording gage at site 3.8 mi (6.1 km) downstream from former base gage at same datum.

REMARKS.--Flow partly regulated by Sardis Lake on Little Tallahatchie River (see station 07272000), Enid Lake on Yocona River (see station 07274500), and Arkabutla Lake on Coldwater River (see station 07278000).

COOPERATION.--Results of 51 discharge measurements and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

AVERAGE DISCHARGE.--39 years (1938-77), 7,435 ft³/s (210.6 m³/s), 19.68 in/yr (500 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 49,200 ft³/s (1,390 m³/s) Apr. 9, 1933; maximum gage height, 37.0 ft (11.278 m) Jan. 15, 1932, present datum (affected by break in levee); minimum daily discharge determined, 213 ft³/s (6.03 m³/s) Oct. 27, 1942; minimum gage height, 1.38 ft (0.421 m) Oct. 26-28, 1942.

EXTREMES FOR WATER YEAR 1977.--Maximum daily discharge, 13,200 ft³/s (374 m³/s) Mar. 7; minimum daily, 965 ft³/s (27.3 m³/s) Jan. 6.

NOTE.--Records for 1978 water year will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5130	4230	1520	1410	2500	2430	3940	3000	4230	4770	3420	1140
2	5140	4140	1460	1200	2450	2240	3800	2870	4180	4640	3490	2750
3	5110	4040	1390	1060	2370	3230	4130	3120	4160	4440	3530	4240
4	5060	3930	1320	990	2350	9800	8250	4380	4110	4290	3130	4650
5	4980	3920	1250	967	2490	11800	10200	5370	3880	4160	3020	4780
6	5120	4700	1220	965	2740	12700	10400	4620	3040	4140	2950	4820
7	5390	5450	1280	1170	2850	13200	9420	4160	3350	4100	2910	4880
8	5360	5580	1690	1670	2840	12800	8300	3720	4720	4070	2880	4880
9	5330	5560	1830	2090	2800	11900	7200	3940	4790	4250	2660	4870
10	5300	5550	1640	3580	2720	10900	6160	4430	4360	4690	1910	4800
11	5250	5540	1380	3680	2620	9650	5120	4200	4100	5030	1420	4550
12	5210	5590	1270	3100	2590	9390	3970	4010	3990	5130	1280	4300
13	5180	5610	1250	2760	2580	9200	3170	3890	3880	4980	1380	4290
14	5120	5550	1420	4000	2540	8350	3170	3760	4010	4300	1640	4300
15	5090	5440	1650	6680	2510	7400	2700	3590	4650	3360	1540	4560
16	5000	5260	1660	7090	2450	6780	3250	3440	5030	2990	1440	4790
17	5100	5290	1620	6900	2380	6370	3500	3350	5720	2890	1890	4930
18	5420	5280	1570	6420	2210	6070	3670	3930	6340	2890	1660	4910
19	5440	5270	1510	5760	2100	5710	3720	4800	7000	2900	1410	4860
20	5290	5270	1500	5040	2010	5540	4100	4560	7120	2890	1240	4750
21	5420	5280	1540	4390	1960	5280	4610	4150	6800	3060	1150	3690
22	5600	5260	1480	3820	1940	5100	4610	4110	6300	3100	1100	3910
23	5680	5220	1400	3400	1950	4920	4460	4120	5710	3000	1090	4600
24	5720	5250	1380	3200	2160	4780	4140	4310	5170	3010	1060	4880
25	6050	5280	1730	3250	2410	4620	3860	4650	4440	3320	1000	6050
26	6540	4980	2250	3310	2280	4440	3660	4590	4690	3480	1040	6280
27	6460	4600	2000	3240	2520	4220	3500	4430	4910	3320	1200	5900
28	6190	3640	1700	3090	2650	4190	3350	4340	5040	3080	1190	6120
29	5940	2850	1530	2880	---	4360	3220	4300	5010	3840	1180	6910
30	5070	2100	1480	2680	---	4280	3110	4280	4900	4110	1150	8100
31	4410	---	1460	2540	---	4120	---	4260	---	3830	1140	---
TOTAL	167100	145660	47380	102332	67970	215770	146690	126680	146030	118060	56940	144490
MEAN	5390	4855	1528	3301	2428	6960	4890	4086	4468	3808	1837	4816
MAX	6540	5610	2250	7090	2850	13200	10400	5370	7120	5130	3490	8100
MIN	4410	2100	1220	965	1940	2240	2700	2870	3040	2890	1000	1140
CAL YR 1976 TOTAL	2101900	MEAN	5743	MAX	15900	MIN	1220	+	-214			
WTR YR 1977 TOTAL	1485102	MEAN	4069	MAX	13200	MIN	965	+	+197			

+ Change in contents, equivalent in cubic feet per second, in Sardis, Enid, and Arkabutla Lakes (see stations 07272000, 07274500, and 07278000).

07282000 YALOBUSHA RIVER AT CALHOUN CITY, MS

LOCATION.--Lat 33°50'20", long 89°18'55", in SE¼SE¼ sec.23, T.23 N., R.9 E., Choctaw Meridian, Calhoun County, Hydrologic Unit 08030205, on left bank of Yalobusha River Canal at downstream side of bridge on State Highway 9, 0.8 mi (1.3 km) upstream from Topashaw Creek, 1.2 mi (1.9 km) south of Calhoun City, 1.5 mi (2.4 km) upstream from old channel, and 4.8 mi (7.7 km) upstream from Topashaw Creek Canal. Records include flow in Topashaw Creek Canal and all supplemental channels.

DRAINAGE AREA.--305 mi² (790 km²), combined drainage area of all channels.

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

REVISED RECORDS.--WRD Miss. 1970. 1969(M).

GAGE.--Water-stage recorder, and nonrecording gage read once daily. Datum of gage is 226.06 ft (68.903 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 1, 1972, datum of gage was 10.00 ft (3.048 m) higher. Prior to Nov. 15, 1950, nonrecording gage at site 75 ft (23 m) downstream at same datum. Water-stage recorder and nonrecording gage read once daily on Topashaw Creek Canal, 2.5 mi (4.0 km) southwest of base gage. Prior to Aug. 16, 1963, nonrecording gage and crest-stage gage on Topashaw Creek Canal.

REMARKS.--Records fair. Doubtful gage-height record July 1 to Aug. 31 on Yalobusha River Canal. 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.

AVERAGE DISCHARGE.--28 years, 392 ft³/s (11.10 m³/s), 17.45 in/yr (443 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 52,100 ft³/s (1,480 m³/s) Mar. 16, 1973; maximum gage height at river gage, 25.22 ft (7.687 m) Mar. 29, 1951 (present datum); no flow at times.

EXTREMES FOR CURRENT YEAR.--Peak discharge above base of 11,000 ft³/s (312 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Nov. 21	1300	*32600 923	22.01 6.709	May 7	1315	27500 779	22.27 6.788
Mar. 14	0400	18100 513	20.51 6.251	May 8	1300	22600 640	22.56 6.876

Minimum daily discharge, 1.7 ft³/s (0.048 m³/s) Sept. 25, 26.

REVISIONS.--Revised figures of discharge for the water year 1977, superseding those published in the report for 1977 are given herein.

EXTREMES FOR WATER YEAR 1977.--Peak discharge above base of 11,000 ft³/s (312 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 9	1530	12400 351	18.76 5.718	Mar. 12	0415	12700 360	20.60 6.279
Mar. 4	0400	*29300 830	23.69 7.221	Apr. 4	1645	13300 377	21.99 6.703

Minimum daily discharge, 0.72 ft³/s (0.20 m³/s) Sept. 5.

YAZOO RIVER BASIN

07282000 YALOBUSHA RIVER NEAR CALHOUN CITY, MS--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	45	82	130	63	383	78	26	12	7.1	5.8	1.1
2	9.6	31	63	153	61	244	287	24	5.3	4.8	2.9	.98
3	6.2	24	53	128	61	3470	1940	26	3.8	2.2	1.9	.88
4	10	18	42	158	58	19300	9560	286	3.0	1.7	1.3	.86
5	9.2	13	38	165	54	4220	3800	173	2.8	1.5	9.7	.76
6	121	12	37	338	47	2650	6020	127	2.6	1.4	7.7	1.7
7	39	11	52	820	44	1280	1220	27	2.8	1.4	6.7	2.6
8	23	10	44	275	43	676	230	27	2.2	1.4	5.9	3.1
9	20	9.8	33	4520	42	342	149	56	2.2	119	6.1	3.8
10	17	10	29	2260	41	237	118	41	2.1	1100	4.8	3.5
11	14	13	50	730	46	243	96	25	2.0	274	4.1	3.2
12	14	14	299	338	116	5900	84	20	1.9	37	4.5	2.6
13	13	13	281	212	95	1990	74	15	2.6	20	3.8	2.1
14	9.6	13	120	1780	99	876	67	13	2.6	15	3.3	2.2
15	6.8	15	86	1000	89	337	57	11	3.2	13	4.3	7.5
16	6.2	13	65	406	80	212	50	10	4.9	11	4.8	21
17	11	16	55	322	78	156	44	9.6	16	9.2	5.1	22
18	16	15	48	818	73	135	41	8.9	20	7.5	9.8	21
19	12	14	45	555	69	120	42	7.7	12	6.8	7.7	141
20	19	14	802	366	70	166	41	7.5	7.4	7.0	5.3	76
21	17	20	288	235	68	126	41	7.1	4.9	8.1	3.8	16
22	14	24	145	128	61	108	100	6.5	4.1	25	3.1	12
23	13	17	102	114	188	88	96	6.0	2.7	19	2.4	8.1
24	16	14	77	657	898	78	63	5.9	2.3	20	2.1	9.1
25	309	12	1430	427	348	72	50	9.0	2.6	41	1.9	78
26	104	13	1070	246	360	66	41	8.5	7.5	50	1.7	31
27	44	24	340	208	1600	62	35	18	5.8	24	1.5	43
28	25	230	178	190	516	363	32	13	3.4	19	1.4	41
29	23	288	141	240	---	263	29	7.7	2.6	49	1.3	1430
30	223	116	125	223	---	134	27	6.3	2.4	588	1.2	482
31	88	---	192	206	---	92	---	36	---	914	1.2	---
TOTAL	1264.6	1081.8	6412	18348	5368	44389	24512	1064.7	149.7	3398.1	234.2	2468.08
MEAN	40.8	36.1	207	592	192	1432	817	34.3	4.99	110	7.55	82.3
MAX	309	288	1430	4520	1600	19300	9560	286	20	1100	58	1430
MIN	6.2	9.8	29	114	41	62	27	5.9	1.9	1.4	1.2	.76
CFSM	.13	.12	.68	1.94	.63	4.70	2.68	.11	.02	.36	.03	.27
IN.	.15	.13	.78	2.24	.65	5.41	2.99	.13	.02	.41	.03	.30
CAL YR 1976	TOTAL	147475.20	MEAN	403	MAX	9720	MIN	1.8	CFSM	1.32	IN	17.99
WTR YR 1977	TOTAL	108690.18	MEAN	298	MAX	19300	MIN	.76	CFSM	.98	IN	13.26

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	32	2520	99	204	945	85	254	109	11	4.9	4.9
2	50	33	987	90	201	1030	79	191	151	9.4	4.2	3.7
3	26	288	484	86	153	1660	74	163	98	8.9	3.6	3.0
4	20	199	271	81	143	781	68	1570	64	10	3.5	2.6
5	19	133	199	80	120	351	64	539	43	28	4.3	2.5
6	19	105	150	78	110	255	60	274	47	13	5.5	2.3
7	17	125	114	126	97	392	58	13300	808	15	4.8	2.0
8	711	78	114	1260	94	482	54	14200	3480	30	20	1.9
9	966	50	297	1140	92	518	51	5340	636	12	22	1.9
10	193	40	213	441	90	1450	54	1380	259	8.5	9.6	1.9
11	109	36	149	236	90	749	305	514	172	7.7	6.8	1.9
12	72	33	120	199	98	342	189	630	240	7.3	5.8	2.8
13	43	29	108	196	275	375	112	882	163	7.2	9.9	245
14	33	28	332	180	190	8330	78	435	102	26	7.7	162
15	26	28	236	164	134	1900	60	233	77	201	6.0	121
16	23	400	187	459	119	846	53	160	67	37	5.2	47
17	21	655	1060	3210	107	380	46	136	61	17	4.2	23
18	18	219	909	1130	94	245	144	148	56	13	3.5	12
19	17	129	329	592	91	198	80	238	112	9.8	3.2	8.0
20	16	106	180	353	87	163	36	161	180	7.7	2.7	4.8
21	15	12100	133	286	79	150	28	121	169	6.4	2.5	3.3
22	14	4380	116	300	74	142	29	197	73	5.5	2.3	2.3
23	14	1090	101	307	77	135	36	122	35	5.4	2.0	2.0
24	14	486	90	1840	74	134	34	91	26	5.1	2.2	1.8
25	246	238	81	3620	70	272	30	76	21	5.6	2.2	1.7
26	162	167	76	2580	66	209	19	56	18	6.8	2.0	1.7
27	80	131	71	1100	74	162	18	41	12	8.4	2.2	3.6
28	53	274	65	513	1570	136	16	55	59	6.2	2.2	6.9
29	44	1500	75	267	---	122	17	111	22	6.4	4.6	6.0
30	36	6230	178	221	---	112	19	394	14	5.3	7.7	4.9
31	35	---	163	212	---	103	---	195	---	4.7	6.3	---
TOTAL	3181	29342	10108	21496	4673	23109	1996	42207	7374	545.3	173.6	688.4
MEAN	103	978	326	693	167	745	66.5	1362	246	17.6	5.60	22.9
MAX	966	12100	2520	3620	1570	8330	305	14200	3480	201	22	245
MIN	14	28	65	78	66	103	16	41	12	4.7	2.0	1.7
CFSM	.34	3.21	1.07	2.27	.55	2.44	.22	4.47	.81	.06	.02	.08
IN.	.39	3.58	1.23	2.62	.57	2.82	.24	5.15	.90	.07	.02	.08
CAL YR 1977	TOTAL	142562.78	MEAN	391	MAX	19300	MIN	.76	CFSM	1.28	IN	17.39
WTR YR 1978	TOTAL	144893.30	MEAN	397	MAX	14200	MIN	1.7	CFSM	1.30	IN	17.67

07283000 SKUNA RIVER AT BRUCE, MS

LOCATION.--Lat 33°58'25", long 89°20'50", in SW¼SW¼ sec.6, T.13 S., R.1 W., Chickasaw Meridian, Calhoun County, Hydrologic Unit 08030205, near right bank on downstream side of bridge on State Highway 9, 1 mi (1.6 km) south of Bruce.

DRAINAGE AREA.--254 mi² (658 km²).

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 228.75 ft (69.723 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Jan. 1, 1972, at datum 10.00 ft (3.048 m) 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.--Records poor.

AVERAGE DISCHARGE.--31 years, 361 ft³/s (10.22 m³/s), 19.30 in/yr (490 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 61,400 ft³/s (1,740 m³/s) Mar. 21, 1955, gage height, 34.11 ft (10.397 m, present datum), from rating curve extended above 19,000 ft³/s (538 m³/s) on basis of incomplete current-meter measurement and computation of flow over the road and through bridge openings; minimum, 0.9 ft³/s (0.025 m³/s) Aug. 18, 1954.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft³/s (142 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Nov. 21	1600	10100 286	19.78 6.029	May 7	1530	*22000 623	25.84 7.876
Nov. 30	1100	9500 269	19.38 5.907	May 8	1500	15400 436	22.80 6.949
Mar. 14	--	15000 424	21.1 6.431	June 8	0400	10600 300	20.13 6.136
May 4	0500	5190 147	15.96 4.865				

a From reconstructed graph.

Minimum daily discharge, 6.5 ft³/s (0.18 m³/s) Sept. 24, 25, 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	28	2590	118	105	350	60	1080	53	14	10	8.9
2	96	28	635	97	120	632	52	384	85	14	9.8	8.6
3	83	408	299	53	112	981	48	332	72	13	9.2	8.6
4	27	224	234	39	81	316	46	2860	50	14	8.6	8.1
5	17	161	246	42	67	146	45	496	39	20	9.2	7.5
6	14	159	176	60	56	112	42	307	74	12	9.8	7.3
7	12	96	120	106	52	141	39	12200	3770	11	9.5	7.8
8	377	74	107	1910	47	177	37	9700	5230	12	10	6.7
9	390	59	237	1170	46	246	34	2200	481	11	11	6.7
10	84	57	196	275	45	999	33	405	140	10	10	7.3
11	40	47	126	132	44	318	286	239	82	9.5	10	7.3
12	28	34	111	130	45	198	138	598	60	9.5	15	7.3
13	22	30	173	224	107	359	75	1560	95	9.5	12	21
14	20	28	749	167	100	7960	53	367	53	10	11	40
15	19	29	336	100	67	804	43	184	41	18	11	43
16	20	1320	201	198	49	290	39	120	31	15	9.8	17
17	20	3640	770	2000	45	182	36	91	28	12	8.9	12
18	21	363	567	800	43	131	68	87	26	9.8	8.4	9.8
19	19	149	247	400	40	105	56	111	60	9.2	8.1	8.6
20	19	149	166	250	37	93	37	84	61	8.9	7.8	7.8
21	20	4470	121	180	55	85	31	526	33	8.6	7.3	7.3
22	20	3530	98	190	50	81	28	786	26	8.6	7.0	7.0
23	20	388	85	250	41	79	30	270	23	8.5	7.0	6.7
24	29	221	70	1000	37	93	29	117	22	8.4	7.0	6.5
25	678	154	68	2500	35	286	27	78	21	8.4	7.3	6.5
26	283	127	79	1400	34	110	24	60	19	10	7.8	6.5
27	103	113	59	500	33	87	21	50	29	24	7.5	9.8
28	60	229	47	270	549	78	20	47	31	23	7.0	12
29	44	2340	51	184	---	70	19	47	18	13	8.1	12
30	37	5690	137	138	---	63	19	358	15	11	9.8	9.2
31	33	---	159	119	---	60	---	97	---	11	10	---
TOTAL	2711	24345	9260	15002	2142	15632	1515	35841	10768	376.9	284.9	334.8
MEAN	87.5	812	299	484	76.5	504	50.5	1156	359	12.2	9.19	11.2
MAX	678	5690	2590	2500	549	7960	286	12200	5230	24	15	43
MIN	12	28	47	39	33	60	19	47	15	8.4	7.0	6.5
CFSM	.34	3.20	1.18	1.91	.30	1.98	.20	4.55	1.41	.05	.04	.04
IN.	.40	3.57	1.36	2.20	.31	2.29	.22	5.25	1.58	.06	.04	.05

CAL YR 1977 TOTAL 115798.1 MEAN 317 MAX 19100 MIN 6.2 CFMS 1.25 IN 16.96
WTR YR 1978 TOTAL 118212.6 MEAN 324 MAX 12200 MIN 6.5 CFMS 1.28 IN 17.31

07284500 GRENADA LAKE NEAR GRENADA, MS

LOCATION.--Lat 33°48'31", long 89°46'14", in NE¼NE¼ sec.4, T.22 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, at gatehouse of dam on Yalobusha River, 2.2 mi (3.5 km) upstream from Batupan Creek, 3.0 mi (5.0 km) northeast of Grenada, and 63.6 mi (102 km) upstream from mouth of Yalobusha River.

DRAINAGE AREA.--1,320 mi² (3,420 km²), approximately.

PERIOD OF RECORD.--July 1953 to current year. Prior to October 1970, published as Grenada Reservoir near Grenada.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 19, 1953, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 160.00 ft (48.768 m) NGVD.

REMARKS.--Reservoir is formed by a rolled-fill earth dam with concrete spillway and outlet tunnel. Storage began June 30, 1953. Capacity, 1,337,400 acre-ft (1,650 hm³) at elevation 231.0 ft (70.41 m), crest of spillway, of which about 1,251,700 acre-ft (1,540 hm³) is available for flood-control storage and about 85,700 acre-ft (106 hm³) of storage is maintained in conservation pool for incidental recreational purposes at elevation 193.0 ft (58.83 m), 24 ft (7.3 m) above sill of outlet gates. Water below 169.0 ft (51.51 m) cannot be withdrawn through outlet tunnel. Figures given herein represent total contents.

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

EXTREMES FOR PERIOD OF RECORD.--Maximum contents, 1,575,600 acre-ft (1,940 hm³) Apr. 28, 1973, elevation, 234.48 ft (71.470 m); minimum since initial filling of reservoir to conservation level, 69,900 acre-ft (82.5 hm³) Dec. 4, 1962, elevation, 190.95 ft (58.202 m).

EXTREMES FOR CURRENT YEAR.--Maximum contents, 860,000 acre-ft (1,060 hm³) June 11, elevation 222.47 ft (67.809 m); minimum, 156,400 acre-ft (193 hm³) Nov. 20, elevation, 198.87 ft (60.616 m).

Capacity table (elevation, in feet, and contents, in thousands of acre-feet)

190	59.0	210	389.1
195	106.5	215	549.3
200	171.8	220	747.3
205	264.3	225	986.6

CONTENTS, IN ACRE-Feet, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	361200	253800	378500	280300	438100	343300	481000	465200	791600	776000	691000	521900
2	362000	247100	413400	349100	435700	347500	479700	473900	794300	769800	684100	517300
3	361000	241200	427500	343800	431700	355900	479100	477400	797100	764900	676300	512500
4	356200	235600	435400	337800	428400	365100	477100	484400	795700	760100	657700	507700
5	350400	231100	439700	331600	424400	370500	476800	499700	793900	756100	660000	503400
6	344100	225000	440000	325400	421700	373600	475200	506400	792500	749900	652000	499000
7	338300	219100	441800	319400	417800	375800	474800	518000	793000	744300	643300	494000
8	332700	213300	440300	315700	413100	376600	473900	597600	822800	741300	635400	489300
9	343800	207500	437200	322600	409000	378500	472600	701800	849500	736100	628300	485000
10	349300	199700	432900	328600	405000	381300	471000	745100	857600	731000	620900	479700
11	352700	193300	428100	328400	400900	386600	475500	759600	860000	725900	613200	474200
12	351400	187100	422900	326900	397200	390500	476600	768900	859500	720400	605200	471300
13	346200	180600	411900	325400	392300	393700	476800	775500	857600	714400	597300	469400
14	340400	173400	418400	323600	390800	411600	477400	782600	853300	709400	590100	465200
15	334200	166900	417800	320600	388000	452700	475500	786700	846100	705500	582200	464200
16	328900	160500	415100	318100	384600	472600	474500	790200	839000	702600	574500	462000
17	323100	161700	412500	324100	381300	479400	472900	791100	833400	700900	567100	458800
18	315200	163600	412500	340900	377400	484400	472600	793400	826500	700500	565700	454700
19	309500	161200	412500	374500	373600	484000	468700	795300	828800	700100	563100	450500
20	303000	156800	410500	350100	369200	484400	469700	798000	828800	699700	561700	446400
21	296700	161700	406700	349800	363700	484400	469100	795500	826000	700100	559100	440600
22	290100	197100	402600	348300	361500	484400	468100	803000	821400	698100	556200	437800
23	263900	253300	398300	345600	356200	484000	467100	806200	817200	697600	552900	433200
24	227800	271800	393100	344900	353800	483400	465800	806700	811700	696800	550000	428400
25	282300	279600	389700	359100	349800	483400	464600	806200	807100	696000	547200	423500
26	286600	285200	384100	388500	345900	484000	461700	805300	801700	696000	547900	418700
27	286400	285600	378500	415400	342000	483700	461000	803000	796200	690000	541800	414900
28	279800	290800	373300	427500	340700	483700	459400	799800	791600	695600	539000	411100
29	273600	302600	368300	434800	---	483000	457800	799400	786200	694700	537600	407000
30	266500	331900	364200	440000	---	482000	455600	800300	780900	694300	530600	402900
31	260000	---	359400	439700	---	482400	---	796600	---	692700	526100	---
MAX	362000	331900	441800	440000	438100	484400	481000	806700	860000	776000	691000	521900
MIN	227800	156800	359400	280300	340700	343300	455600	465200	780900	690000	526100	402900
†	204.59	208.98	208.79	211.67	208.26	213.01	212.38	221.03	220.67	218.70	214.28	210.39
‡	-105900	+105400	-5100	+82500	-96400	+139000	-20300	+332300	-16100	-84600	-168300	-123700
CAL YR 1977	MAX	812600	MIN	127300	‡	+229000						
WTR YR 1978	MAX	860000	MIN	156800	‡	+38800						

† Elevation, in feet, at 2400, on last day of month.

‡ Change in contents, in acre-feet.

07285000 YALOBUSHA RIVER AT GRENADA DAM, NEAR GRENADA, MS

LOCATION.--Lat 33°48'31", long 89°46'14", in NE&NE& sec.4, T.22 N., R.5 E., Choctaw Meridian, Grenada County, Hydrologic Unit 08030205, in gatehouse of Grenada Dam, 2.2 mi (3.5 km) upstream from Batupan Creek, 3 mi (5 km) northeast of Grenada, and 63.6 mi (102.3 km) upstream from mouth.

DRAINAGE AREA.--1,320 mi² (3,420 km²), approximately.

PERIOD OF RECORD.--July 1953 to September 1976.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Dec. 19, 1953, nonrecording gage at same site. Prior to Oct. 1, 1958, at datum 160.00 ft (48.768 m) NGVD.

REMARKS.--Flow completely regulated by Grenada Lake (see station 07284500).

COOPERATION.--Records furnished by Corps of Engineers and reviewed by Geological Survey.

AVERAGE DISCHARGE.--24 years, 1,854 ft³/s (52.51 m³/s), 19.07 in/yr (484 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 6,510 ft³/s (184 m³/s) Feb. 12, 1974; no flow at times prior to Jan. 1, 1959.

EXTREMES FOR WATER YEAR 1976.--Maximum daily discharge, 3,260 ft³/s (92.3 m³/s) Sept. 21; minimum daily 5 ft³/s (0.14 m³/s) at times.

NOTE.--Records for 1978 water year will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2350	2790	228	89	535	542	948	1350	2130	2110	112	1880
2	2300	2730	229	89	535	543	948	1350	2130	2110	330	2490
3	2260	2900	229	89	534	437	936	1530	2130	2100	330	2480
4	2330	2360	228	90	534	244	5.0	1770	2120	2090	329	2480
5	2440	1560	228	632	533	265	5.0	1770	2250	1940	329	2470
6	2390	1520	228	1120	533	273	5.0	1770	2200	2060	329	2560
7	2350	1480	227	893	532	277	380	1770	2200	2050	329	2600
8	2400	1460	226	439	532	279	685	1770	2190	2050	329	2590
9	2500	1430	226	446	531	279	686	1760	2190	536	522	2590
10	2450	1180	226	471	530	280	686	1760	2190	5.0	672	2580
11	2390	892	226	492	530	281	954	1760	2180	5.0	672	2570
12	2330	875	226	502	530	284	1360	1760	2180	5.0	671	2570
13	2280	861	228	508	530	289	1360	1750	2170	5.0	671	2560
14	2220	848	159	513	530	505	1360	1750	2170	5.0	670	2550
15	1830	913	70	520	529	949	1360	1750	2170	5.0	670	2550
16	970	990	71	526	529	950	1360	1750	2160	5.0	669	2540
17	960	970	71	526	529	950	1360	1740	2160	5.0	669	2530
18	960	950	72	530	528	949	1360	1740	2160	5.0	669	2530
19	950	930	72	530	528	950	1360	1930	2160	5.0	669	1150
20	949	924	73	530	527	950	1360	2180	2150	5.0	668	1920
21	944	909	74	531	526	950	1360	2170	2150	5.0	668	3260
22	939	893	76	531	526	949	1360	2170	2140	5.0	667	2790
23	933	877	77	531	526	949	1360	2170	2140	5.0	667	2500
24	929	925	77	532	526	949	1360	2160	2140	5.0	666	2490
25	929	1050	79	532	528	948	1360	2160	2130	5.0	666	2490
26	927	1040	81	532	529	948	1970	2160	2130	5.0	665	2480
27	925	1020	84	534	534	948	2270	2150	2120	5.0	665	2470
28	1520	1030	86	535	539	948	1350	2150	2120	5.0	664	2470
29	2950	554	87	535	---	948	1350	2140	2120	5.0	664	2470
30	2220	228	88	535	---	949	1350	2140	2110	5.0	663	1940
31	2860	---	89	535	---	949	---	2140	---	5.0	663	---
TOTAL	55685	37089	4441	15398	14853	20911	33568.0	58420	64690	17156.0	17627	73550
MEAN	1796	1236	143	497	530	675	1119	1885	2156	553	569	2452
MAX	2950	2900	229	1120	539	950	2270	2180	2250	2110	672	3260
MIN	925	228	70	89	526	244	5.0	1350	2110	5.0	112	1150
†	-1713	-976	+685	+3375	-1874	+6123	+2835	-1872	-2193	-294	-638	-1867
CAL YR 1976	TOTAL	632257.0	MEAN	1727	MAX	4100	MIN	70	†	-361		
WTR YR 1977	TOTAL	413388.0	MEAN	1133	MAX	3260	MIN	5.0	†	+157		

† Change in contents, equivalent in cubic feet per second, in Grenada Lake (see station 07284500).

YAZOO RIVER BASIN

07287000 YAZOO RIVER AT GREENWOOD, MS

LOCATION.--Lat 33°31'17", long 90°11'03", in NE¼SW¼ sec.10, T.19 N., R.1 E., Choctaw Meridian, Leflore County, Hydrologic Unit 08030206, on left bank 110 ft (33.5 m) downstream from bridge on U.S. Highways 49E and 82 (old) in Greenwood, 0.4 mi (0.6 km) downstream from Palusha Bayou, 3 mi (5 km) downstream from confluence of Tallahatchie and Yalobusha Rivers, and at mi 170.8 (274.8 km).

DRAINAGE AREA.--7,450 mi² (19,300 km²), approximately.

PERIOD OF RECORD.--October 1907 to December 1912, April to June 1913, and October 1927 to September 1976. Monthly discharge only for some periods, published in WSP 1311. January 1909 to December 1927 (discharge measurements only), January 1928 to 1964 in reports of Mississippi River Commission, and since January 1947 in reports of Corps of Engineers. Gage-height records collected at same site since 1904 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder, and nonrecording gage read twice daily. Datum of gage is 92.07 ft (28.063 m) National Geodetic Vertical Datum of 1929. Prior to Oct. 1, 1940, nonrecording gages on highway bridges 110 ft (33.5 m) upstream at various datums.

REMARKS.--Flow partly regulated since Aug. 26, 1939, by Sardis Lake on Tallahatchie River (see station 07272000), Enid Lake on Yocona River (see station 07274500), Arkabutla Lake on Coldwater River (see station 07278000), and Grenada Lake on Yalobusha River (see station 07284500). Discharge computed by combining flows of Yazoo River and Fort Pemberton cutoff since Mar. 16, 1973.

COOPERATION.--Results of 172 discharge measurements and records of daily discharge furnished by Corps of Engineers. Records reviewed by Geological Survey.

AVERAGE DISCHARGE.--55 years (1907-12, 1927-77), 10,187 ft³/s (288.5 m³/s), 18.57 in/yr (472 mm/yr), unadjusted.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 72,900 ft³/s (2,060 m³/s) Jan. 19, 1932, gage height, 40.10 ft (12.222 m); minimum, 536 ft³/s (15.2 m³/s) Oct. 20, 1943; minimum gage height observed, 1.0 ft (0.305 m) Oct. 17, 1908, present datum.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1882 reached a stage of 41.2 ft (12.56 m), caused by overflow from Mississippi River (discharge not determined), from reports of Mississippi River Commission.

EXTREMES FOR WATER YEAR 1977.--Maximum daily discharge, 19,400 ft³/s (549 m³/s) Mar. 8; minimum daily discharge, 552 ft³/s (15.6 m³/s) Jan. 3.

NOTE.--Records for 1978 water year will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7880	7410	3290	1400	3790	4980	6160	5740	6980	7330	5280	2130
2	8150	7200	2790	950	3780	4420	5810	5510	6950	7180	4950	2590
3	8220	7150	2570	552	3790	5950	6060	5380	6910	7050	4880	4610
4	7900	7030	2470	750	3720	15700	11300	5390	6880	6850	4720	6040
5	7800	6960	2220	1360	3600	17700	16400	6400	6870	6730	4470	6830
6	7900	6550	2210	1800	3700	18900	17900	7240	6660	6700	4350	7170
7	8100	6950	2220	3000	3720	19300	18000	7230	6110	6690	4230	7290
8	8430	7270	2230	3350	3720	19400	16500	6970	6960	6690	4110	7370
9	8490	7330	2410	6170	3580	19000	15500	6740	6890	6780	4040	7420
10	8450	7330	2560	7990	3700	18700	14300	6790	7150	6300	3860	7460
11	8270	7100	2550	8100	3740	18200	12500	6800	6840	6230	3400	7380
12	8160	6750	2340	6810	3750	18800	10600	6600	6580	6030	2880	7260
13	8060	6740	2220	5890	3760	18700	9150	6600	6530	5940	2640	6960
14	7960	6720	2120	5940	3780	18100	7370	6200	6550	5750	2620	7130
15	7720	6710	2100	7920	3770	16900	6700	6040	6780	5240	2460	7240
16	8080	6740	2100	9050	3640	15700	6670	5960	8010	4490	2330	7400
17	7400	6830	2070	9510	3550	14400	6600	5860	8220	3960	2570	7690
18	6970	6910	2060	8730	3540	13200	6580	5840	9280	3740	2820	7960
19	6960	6960	2050	8540	3500	12000	6610	6240	9330	3670	2660	8230
20	6940	6980	3090	7720	3250	11100	6620	7000	9730	3650	2410	8390
21	6930	6990	3420	6750	3090	10200	6790	7050	9950	3720	2290	7770
22	6920	7000	2880	6190	2720	9530	7150	6400	9680	3980	2220	7550
23	6990	6850	2360	5640	2700	9020	7410	6360	8990	3990	2180	7600
24	7150	6650	2160	5420	2820	8600	7290	6470	8470	4010	2170	7730
25	7540	6650	2160	5230	3370	8170	7000	6820	7910	4040	2170	8780
26	8110	6650	5270	5110	3880	7730	6730	7130	7530	4110	2170	9130
27	8140	6350	4450	5020	4940	7100	6570	7120	7320	4520	2170	9140
28	7950	5530	3450	4950	5390	6940	6630	7080	7350	4540	2170	8990
29	7750	5110	2580	4500	---	7000	6360	7050	7350	4940	2170	9120
30	8350	4060	2200	4320	---	7100	6000	7030	7340	6100	2160	11300
31	7950	---	1980	4000	---	6760	---	7020	---	6150	2150	---
TOTAL	241620	201460	80580	162662	102290	389300	275260	202060	228100	167100	95700	221660
MEAN	7794	6715	2599	5247	3653	12560	9175	6518	7603	5390	3087	7389
MAX	8490	7410	5270	9510	5390	19400	18000	7240	9950	7330	5280	11300
MIN	6920	4060	1980	552	2700	4420	5810	5380	6110	3650	2150	2130

CAL YR 1976 TOTAL 3376840 MEAN 9226 MAX 22500 MIN 1980 + -575
WTR YR 1977 TOTAL 2367792 MEAN 6487 MAX 19400 MIN 552 + +353

+ Change in contents, equivalent in cubic feet per second, in Sardis, Enid, Arkabutla, and Grenada Lakes (see stations 07272000, 07274500, 07278000, 07284500).

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS
(National stream-quality accounting network station)
(National pesticide water monitoring program station)

LOCATION.--Lat 33°23'48", long 90°16'19", in NW¼ sec.26, T.18 N., R.1 W., Choctaw Meridian, Leflore County, Hydrologic Unit 08030206, on downstream side of Poindexter Bridge on county road at Phillipstown, 1.8 mi (2.9 km) east of Shell Bluff, 2.5 mi (4.0 km) east of intersection of county road and State Highway 7, 4.8 mi (7.7 km) east of Morgan City, and at mile 149.8 (241.0 km).

DRAINAGE AREA.--7,650 mi² (19,810 km²), approximately.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1975 to current year.

WATER TEMPERATURE: October 1975 to current year.

INSTRUMENTATION.--Specific conductance/temperature recorder since October 1975.

REMARKS.--Specific conductance listed as 50 micromhos represent 50 micromhos or less due to instrument limitations. Interruptions in the record were due to malfunctions of the instrument. Stage-discharge relation based on intermittent discharge measurements.

COOPERATION.--Discharge measurements were furnished by Corps of Engineers. Pesticide analyses were performed by U.S. Environmental Protection Agency.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 200 micromhos Jan. 3, 1977; minimum, 44 micromhos Apr. 6, 1977.

WATER TEMPERATURES: Maximum, 31.0°C July 5-8, 15, 16, 1977; minimum, 0.0°C Jan. 18-22, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 119 micromhos Apr. 27; minimum, 50 micromhos or less Dec. 8-16, June 10.

WATER TEMPERATURE: Maximum, 31.0°C Aug. 26; minimum, 1.5°C Jan. 20, 21.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	CULT- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CaCO3)	HARD- NESS, NONCAR- BONATE (MG/L CaCO3)
OCT											
06...	1000	8400	110	6.9	22.0	85	9.1	--	600	31	1
31...	1100	11800	75	--	17.0	45	8.4	K69	560	23	3
DEC											
08...	0930	20600	50	6.8	10.0	230	7.4	440	1500	22	0
JAN											
05...	1000	16000	65	7.1	5.0	90	11.2	K700	540	19	5
FEB											
02...	1100	18300	73	6.2	1.0	280	11.2	940	K130	23	8
MAR											
06...	1100	13800	83	7.0	5.5	200	11.2	E20000	>10000	26	6
29...	1000	8400	90	6.8	11.5	200	9.7	740	680	27	4
MAY											
02...	1000	15300	65	6.8	18.0	450	6.7	5200	9600	21	0
JUN											
12...	1300	15600	68	7.1	26.0	240	6.1	450	1100	19	1
JUL											
10...	1000	10900	78	6.8	28.0	230	5.7	560	360	24	3
31...	1000	8500	82	6.8	28.0	150	6.0	660	K190	29	0
SEP											
08...	1100	9000	80	6.6	27.0	35	6.6	220	200	26	0

YAZOO RIVER BASIN

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	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)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT 06...	7.4	3.0	4.5	22	.4	3.7	37	0	30	7.5	8.8
31...	5.8	2.1	4.6	28	.4	2.3	24	--	20	--	8.6
DEC 08...	5.6	1.9	4.6	28	.4	3.0	27	0	22	6.8	6.0
JAN 05...	4.8	1.8	3.3	23	.3	3.2	18	0	15	2.3	7.9
FEB 02...	5.9	1.9	3.7	23	.3	2.9	18	0	15	18	9.5
MAR 06...	6.4	2.4	4.3	24	.4	2.7	24	0	20	3.8	10
29...	6.5	2.5	5.1	27	.4	2.3	27	0	22	6.8	10
MAY 02...	5.3	1.8	3.6	25	.3	2.7	25	0	21	6.3	6.5
JUN 12...	4.8	1.8	2.8	21	.3	2.6	22	0	18	2.8	5.6
JUL 10...	6.2	2.1	4.0	24	.4	2.2	--	--	21	--	7.0
31...	7.6	2.5	3.7	20	.3	2.5	--	--	30	--	5.9
SEP 08...	6.8	2.3	4.0	23	.3	2.2	--	--	26	--	7.6

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)
OCT 06...	4.7	.1	6.4	69	57	.09	1570	.31	.05	--	--
31...	3.9	.1	3.8	43	43	.06	1370	.12	.03	--	--
DEC 08...	3.1	.1	5.6	52	43	.07	2890	.35	.12	--	--
JAN 05...	3.6	.1	6.1	64	40	.09	2770	.22	.09	--	--
FEB 02...	3.3	.0	5.5	61	42	.08	3010	.64	.16	.94	1.1
MAR 06...	3.7	.1	7.1	68	49	.09	2530	.57	.13	.69	.82
29...	4.2	.1	7.6	55	52	.07	1250	.41	.10	.70	.80
MAY 02...	2.3	.1	4.9	51	40	.07	2110	.65	.18	1.6	1.8
JUN 12...	2.1	.1	6.1	68	37	.09	2860	.47	.14	1.5	1.6
JUL 10...	3.9	.1	5.8	60	44	.08	1770	.38	.04	.84	.88
31...	4.6	.1	5.7	66	51	.09	1520	.28	.04	.76	.80
SEP 08...	3.9	.1	5.1	63	48	.09	1530	.15	.00	.41	.41

DATE	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)
OCT 06...	--	.31	--	--	.22	.03	--	2800	328	7440
31...	--	.36	--	--	.12	.01	9.2	15000	174	5540
DEC 08...	--	.80	--	--	.34	.04	12	--	277	15400
JAN 05...	--	1.0	--	--	.19	.05	--	950	162	7000
FEB 02...	.00	1.1	1.7	7.7	.41	.10	14	--	340	16800
MAR 06...	.00	.82	1.4	6.2	.21	.04	9.8	--	195	7270
29...	.09	.71	1.2	5.4	.23	.04	--	1200	214	4850
MAY 02...	.80	1.0	2.5	11	.71	.05	8.4	--	1030	42500
JUN 12...	.65	.95	2.1	9.2	.64	.06	13	1700	624	26300
JUL 10...	.39	.49	1.3	5.6	.35	.02	--	1100	346	10200
31...	.00	.82	1.1	4.8	.31	.04	7.4	4500	320	7340
SEP 08...	.13	.28	.56	2.5	.13	.03	5.2	2200	197	4790

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	ARSENIC TOTAL (UG/L AS AS)		ARSENIC SUS- PENDED TOTAL (UG/L AS AS)		ARSENIC DIS- SOLVED (UG/L AS AS)		BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)		BARIUM, SUS- PENDED RECOV- ERABLE (UG/L AS BA)		BARIUM, DIS- SOLVED (UG/L AS BA)		CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)		CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)		CADMIUM DIS- SOLVED (UG/L AS CD)		CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)		CHRO- MIUM, SUS- PENDED RECOV- ERABLE (UG/L AS CR)		CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	
OCT 06...	0		0		0		100		0		100		4		0		4		20		14		6	
JAN 05...	3		2		1		0		0		0		1		0		4		40		40		0	
MAR 29...	2		1		1		100		100		0		0		0		2		30		30		0	
JUL 10...	1		1		0		100		100		0		0		0		5		10		10		0	

DATE	COBALT, TOTAL RECOV- ERABLE (UG/L AS CU)		COBALT, SUS- PENDED RECOV- ERABLE (UG/L AS CU)		COBALT, DIS- SOLVED (UG/L AS CU)		COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)		COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)		COPPER, DIS- SOLVED (UG/L AS CU)		IRON, TOTAL RECOV- ERABLE (UG/L AS FE)		IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)		IRON, DIS- SOLVED (UG/L AS FE)		LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)		LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	
OCT 06...	0		0		0		10		5		5		6700		--		50		40		0	
JAN 05...	2		2		0		10		3		7		6600		--		160		13		6	
MAR 29...	0		0		0		7		0		7		7700		--		220		12		7	
JUL 10...	0		0		0		10		6		4		11000		11000		50		37		13	

DATE	LEAD, DIS- SOLVED (UG/L AS PH)		MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)		MANGA- NESE, SUS- PENDED RECOV- ERABLE (UG/L AS MN)		MANGA- NESE, DIS- SOLVED (UG/L AS MN)		MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)		MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)		MERCURY DIS- SOLVED (UG/L AS HG)		SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)		SELE- NIUM, SUS- PENDED RECOV- ERABLE (UG/L AS SE)		SELE- NIUM, DIS- SOLVED (UG/L AS SE)		SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	
OCT 06...	40		350		350		20		.5		.0		<.5		0		0		0		0	
JAN 05...	7		240		210		30		<.5		.0		<.5		0		0		0		0	
MAR 29...	5		220		170		50		<.5		.0		<.5		0		0		0		1	
JUL 10...	24		440		430		10		.5		.0		.5		0		0		0		0	

DATE	SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG)		SILVER, DIS- SOLVED (UG/L AS AG)		ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)		ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)		ZINC, DIS- SOLVED (UG/L AS ZN)		CARBON, ORGANIC DIS- SOLVED (MG/L AS C)		CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)		PERI- PHYTON BIOMASS ASH WEIGHT G/SQ M		PERI- PHYTON BIOMASS TOTAL DRY WEIGHT G/SQ M		CHLOR-A PHYTON CHROMO- FLUOROM (MG/M2)		CHLOR-B PHYTON CHROMO- FLUOROM (MG/M2)	
OCT 06...	0		0		40		10		30		30		.8		--		--		--		--	
JAN 05...	0		0		30		20		10		26		.7		.000		.000		.000		.000	
MAR 29...	0		1		20		10		10		8.0		2.8		--		--		--		--	
JUL 10...	0		0		30		30		0		18		3.0		131		138		44.6		.970	

YAZOO RIVER BASIN

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ATRA- ZINE, TOTAL (UG/L)	ATRA- ZINE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	P,P' DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 31...	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.5	--
FEB 02...	ND	--	ND	--	ND	--	ND	--	ND	--	--
MAY 02...	ND	ND	ND	ND	ND	--	ND	ND	ND	--	1.3
JUL 31...	ND	--	ND	--	ND	--	ND	--	ND	--	--

DATE	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	P,P' DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	P,P' DDT, TOTAL (UG/L)	P,P' DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 31...	ND	.5	--	ND	.6	--	--	ND	ND	ND	ND
FEB 02...	ND	--	--	--	--	.05	--	ND	--	ND	--
MAY 02...	--	--	.9	--	--	.26	4.1	ND	ND	ND	ND
JUL 31...	ND	--	--	ND	--	--	--	ND	--	ND	--

DATE	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)
OCT 31...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 02...	ND	--	ND	--	ND	--	ND	--	ND	--	ND
MAY 02...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
JUL 31...	ND	--	ND	--	ND	--	ND	--	ND	--	ND

DATE	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 31...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 02...	--	ND	--	ND	--	ND	--	ND	--	ND	--
MAY 02...	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND
JUL 31...	--	ND	--	ND	--	ND	--	ND	--	ND	--

DATE	TRI- THION, TOTAL (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL (UG/L)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SIMA- ZINE TOTAL COND. (UG/L)	SIMA- ZINE TOTAL BOTTOM MATERI- AL (UG/ KG DRY SOLIDS)
OCT 31...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 02...	ND	--	ND	--	ND	--	ND	--	ND	--
MAY 02...	ND	ND	ND	ND	ND	ND	ND	ND	ND	--
JUL 31...	ND	--	ND	--	ND	--	ND	--	ND	--

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1977 TO SEPTEMBER 1978

DATE TIME	OCT 6,77 1000	OCT 31,77 1100	JAN 5,78 1000	MAR 29,78 1000
TOTAL CELLS/ML	2800	15000	950	1200
DIVERSITY: DIVISION	1.7	1.3	1.1	0.4
..CLASS	1.7	1.3	1.1	0.4
..ORDER	2.2	1.6	1.3	0.8
...FAMILY	2.6	1.7	1.4	0.9
....GENUS	3.3	2.2	1.4	0.9

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
...CHLOROCOCCACEAE								
...CHLOROCOCCUM	28	1	--	--	--	--	--	--
...COELASTRACEAE								
...COELASTRUM	--	--	--	--	--	--	--	--
...HYDRODICTYACEAE								
...PEDIASTRUM	--	--	300	2	--	--	--	--
...MICRACTINIACEAE								
...GOLLENKINIA	28	1	--	--	--	--	--	--
...ODCYSTACEAE								
...ANKISTRODESMUS	--	--	150	1	--	--	41	3
...DICTYOSPHAERIUM	--	--	--	--	--	--	--	--
...KIRCHNERIELLA	140	5	500	3	--	--	--	--
...GUCYSTIS	--	--	--	--	--	--	--	--
...QUADRIGULA	--	--	*	0	--	--	--	--
...SELENASTRUM	--	--	--	--	--	--	--	--
...TETRAEDRON	--	--	--	--	--	--	--	--
...TETRAEDRIA	--	--	--	--	--	--	--	--
...SCENEDESMACEAE								
...CRUCIGENIA	--	--	--	--	--	--	--	--
...SCENEDESMUS	440#	15	--	--	--	--	--	--
...TETRASTRUM	57	2	--	--	23	2	--	--
...TETRASPORALES								
...CUCCOMYXACEAE								
...ELAKATOTHRIX	--	--	--	--	--	--	--	--
...PALMELLACEAE	--	--	--	--	--	--	--	--
...SPHAEROCYSTIS	--	--	--	--	--	--	--	--
...VOLVOCALES								
...CHLAMYDOMONADACEAE								
...CHLAMYDOMONAS	--	--	--	--	--	--	--	--
...VOLVOACEAE								
...PANDORINA	--	--	--	--	--	--	--	--
...ZYGNEMATALES								
...DESMIDIACEAE								
...CLOSTERIUM	--	--	--	--	--	--	--	--
CHRYSOPHYTA								
..BACILLARIOPHYCEAE								
...CENTRALES								
...COSCINODISCACEAE								
...CYCLOTELLA	380	13	1100	7	6	1	--	--
...MELOSIRA	770#	27	4400#	29	560#	60	1000#	87
...PENNALES								
...EUNOTIACEAE								
...EUNOTIA	*	0	--	--	--	--	--	--
...FRAGILARIACEAE								
...FRAGILARIA	--	--	110	1	--	--	--	--
...SYNEDRA	--	--	*	0	23	2	27	2
...GOMPHONEMACEAE								
...GOMPHONEMA	--	--	--	--	6	1	14	1
...NAVICULACEAE								
...GYROSIGMA	28	1	--	--	--	--	--	--
...NAVICULA	99	3	*	0	--	--	14	1
...PINNULARIA	--	--	--	--	--	--	--	--
...NITZSCHACEAE								
...NITZSCHIA	--	--	110	1	6	1	27	2
CRYPTOPHYTA (CRYPTOMONADS)								
..CRYPTOPHYCEAE								
...CRYPTOMONADALES								
...CRYPTOMONADACEAE								
...CRYPTOMONAS	--	--	--	--	--	--	14	1

YAZOO RIVER BASIN

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued
 PHYTOPLANKTON ANALYSES, OCTOBER 1977 TO SEPTEMBER 1978

DATE TIME	OCT 6,77 1000	OCT 31,77 1100	JAN 5,78 1000	MAR 29,78 1000				
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
...CHROOCOCCACEAE								
...AGMENELLUM	170	6	610	4	--	-	--	-
...ANACYSTIS	230	8	7300#	47	--	-	--	-
...COCCUCHLORIS	--	-	*	0	--	-	--	-
...HORMOGONIALES								
...NOSTOCACEAE								
...ANABAENA	--	-	--	-	--	-	--	-
...NOSTOC	210	7	--	-	--	-	--	-
...OSCILLATORIACEAE								
...LYNGBYA	--	-	--	-	--	-	--	-
...OSCILLATORIA	85	3	500	3	310#	33	--	-
...SCHIZOTHRIX	85	3	--	-	--	-	--	-
...RIVULARIACEAE								
...RAPHIDIOPSIS	--	-	--	-	6	1	--	-
EUGLENOPHYTA (EUGLENOIDS)								
..EUGLENOPHYCEAE								
...EUGLENALES								
...EUGLENACEAE								
...EUGLENA	28	1	--	-	--	-	--	-
...LEPUCINCLIS	*	0	--	-	--	-	--	-
...TRACHELOMONAS	28	1	*	0	--	-	14	1
PYRRHOPHYTA (FIRE ALGAE)								
..DINOPHYCEAE								
...PERIDINIALES								
...CERATIACEAE								
...CERATIUM	--	-	--	-	--	-	--	-
...GLENODINIACEAE								
...GLENODINIUM	--	-	--	-	--	-	--	-
...PERIDINIACEAE								
...PERIDINIUM	--	-	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1977 TO SEPTEMBER 1978

DATE TIME	JUN 12, 78 1300	JUL 10, 78 1000	JUL 31, 78 1000	SEP 8, 78 1100
TOTAL CELLS/ML	1700	1100	4500	2200
DIVERSITY: DIVISION	1.1	1.2	1.4	1.1
...CLASS	1.1	1.2	1.4	1.1
...ORDER	1.2	2.3	2.1	1.3
...FAMILY	1.2	2.5	2.6	1.3
...GENUS	1.3	2.7	3.4	1.6

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALFS								
...CHLOROCOCCACEAE								
...CHLOROCOCCUM	--	-	--	-	--	-	--	-
...COELASTRACEAE								
...COELASTRUM	--	-	--	-	350	8	--	-
...HYDRODICTYACEAE								
...PEDIASSTRUM	--	-	--	-	--	-	--	-
...MICRACTINIACEAE								
...GOLENKINTA	--	-	--	-	--	-	--	-
...DUCYSIACEAE								
...ANKISTRODES MUS	--	-	--	-	88	2	*	0
...DICTYOSPHAERIUM	--	-	57	5	--	-	--	-
...KIRCHNERIFLLA	--	-	--	-	200	4	--	-
...DUCYSIJS	--	-	29	3	--	-	--	-
...QUADRIGULA	--	-	--	-	--	-	--	-
...SELENASTRUM	--	-	72	6	--	-	--	-
...TETRAEDRON	--	-	--	-	*	0	--	-
...TREUBARIA	--	-	--	-	--	-	*	0
...SCENFDESMAEAE								
...CRUCIGENIA	89	5	--	-	620	14	--	-
...SCENFDES MUS	--	-	57	5	130	3	23	1
...TETRASTRUM	--	-	--	-	88	2	--	-
...TETRASPORALES								
...COCCONYXACEAE								
...ELAKATOTHRIX	45	3	--	-	--	-	--	-
...PALMELLACEAE								
...SPHAEROCYSTIS	--	-	490#	43	--	-	580#	26
...VOLVOCALES								
...CHLAMYDOMONADACEAE								
...CHLAMYDOMONAS	--	-	29	3	44	1	*	0
...VOLVOCAEAE								
...PANDURINA	--	-	--	-	350	8	--	-
...ZYGNEMATALES								
...DESMIDIACEAE								
...CLOSTERIUM	--	-	14	1	--	-	--	-
CHRYSIOPHYTA								
..BACILLARIOPHYCEAE								
...CENTRALES								
...COSCINODISCACEAE								
...CYCLOTILLA	45	3	--	-	88	2	150	7
...MELUSIRA	--	-	170#	15	270	6	1300#	61
...PENNALES								
...EUNOTIACEAE								
...EUNOTIA	--	-	--	-	--	-	*	0
...FRAGILARIACEAE								
...FRAGILARIA	--	-	--	-	--	-	--	-
...SYNEDRA	--	-	--	-	--	-	--	-
...GOMPHONEMACEAE								
...GOMPHONEMA	--	-	--	-	*	0	--	-
...NAVICULACEAE								
...GYROSTOMA	--	-	--	-	--	-	--	-
...NAVICULA	--	-	--	-	44	1	12	1
...PINNULARIA	--	-	14	1	--	-	--	-
...NITZSCHIAEAE								
...NITZSCHIA	45	3	100	9	*	0	--	-
CRYPTOPHYTA (CRYPTOMONADS)								
..CRYPTOPHYCEAE								
...CRYPTOMONADALES								
...CRYPTOMONADACEAE								
...CRYPTOMONAS	--	-	--	-	--	-	--	-

YAZOO RIVER BASIN

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1977 TO SEPTEMBER 1978

DATE TIME	JUN 12,78 1300		JUL 10,78 1000		JUL 31,78 1000		SEP 8,78 1100	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	--	-	--	-	--	-	--	-
....ANACYSTIS	--	-	--	-	310	7	--	-
....COCCOCHLORIS	--	-	--	-	--	-	--	-
...HORMOGONALES								
...NOSTOCACEAE								
....ANABAENA	--	-	100	9	--	-	77	3
....NOSTOC	--	-	--	-	--	-	--	-
...OSCILLATORIACEAE								
....LYNGBYA	--	-	--	-	1200#	26	--	-
....OSCILLATORIA	1400#	80	--	-	620	14	--	-
....SCHIZOTHRIX	--	-	--	-	--	-	--	-
...RIVULARIACEAE								
....RAPHIIDOPSIS	--	-	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)								
..EUGLENOPHYCEAE								
...EUGLENALES								
...EUGLENAEAE								
....EUGLENA	45	3	--	-	--	-	*	0
....LEPIDOCINCLIS	--	-	--	-	--	-	--	-
....TRACHELOMONAS	22	1	--	-	--	-	15	1
PYRRHOPHYTA (FIRE ALGAE)								
..DINOPHYCEAE								
...PERIDINIALES								
...CERATIACEAE								
....CERATIUM	22	1	--	-	--	-	--	-
...GLENODINIACEAE								
....GLENODINIUM	--	-	--	-	*	0	--	-
...PERIDINIACEAE								
....PERIDINIUM	22	1	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	95	79	90				---	---	---	66	65	65
2	92	79	85				---	---	---	66	64	65
3	106	93	100				---	---	---	68	65	66
4	108	99	104				---	---	---	66	65	65
5	106	101	103				---	---	---	75	65	66
6	110	101	106				---	---	---	67	65	66
7	100	90	94				---	---	---	70	66	68
8	91	88	90				50	50	50	73	70	72
9	88	79	84				51	50	50	73	70	71
10	84	78	81				50	50	50	71	67	69
11	93	82	87				50	50	50	80	66	73
12	94	93	97				50	50	50	80	73	76
13	96	93	95				50	50	50	78	73	76
14	99	95	97				50	50	50	79	76	77
15	95	90	93				50	50	50	77	76	76
16	90	87	89				52	50	50	80	76	77
17	88	86	87				53	52	52	79	73	75
18	89	85	87				56	53	54	74	68	72
19	90	86	87				57	59	55	70	59	64
20	88	85	86				55	55	55	71	65	68
21	88	84	86				56	56	56	76	70	73
22	88	80	84				57	56	57	75	73	74
23	92	80	84				59	57	58	78	75	77
24	92	83	88				61	59	60	79	77	78
25	---	---	---				61	60	61	78	71	75
26	---	---	---				62	61	61	73	62	68
27	---	---	---				63	62	63	67	63	65
28	---	---	---				64	63	64	66	63	65
29	---	---	---				65	64	65	73	67	69
30	---	---	---				66	65	65	75	73	74
31	---	---	---				66	65	65	76	73	74
FEHURARY			MARCH			APRIL			MAY			
1	77	75	76	77	74	75	---	---	---	107	61	81
2	76	71	74	79	74	77	---	---	---	74	70	72
3	74	70	72	79	78	79	---	---	---	76	62	65
4	73	69	71	83	77	80	---	---	---	75	70	73
5	72	69	70	89	80	83	---	---	---	84	74	80
6	73	69	71	91	87	89	---	---	---	90	79	83
7	75	71	73	93	89	91	---	---	---	92	64	82
8	76	73	74	91	86	88	---	---	---	71	62	68
9	76	74	75	87	85	86	---	---	---	68	53	63
10	77	74	75	89	86	88	---	---	---	62	53	57
11	79	74	76	90	88	89	---	---	---	62	53	58
12	78	74	76	89	87	88	---	---	---	65	60	63
13	78	76	77	92	87	89	---	---	---	70	65	67
14	79	77	78	89	73	80	---	---	---	72	66	68
15	80	77	78	78	71	74	---	---	---	69	64	67
16	82	79	81	76	70	73	---	---	---	70	65	67
17	82	81	81	77	74	75	---	---	---	70	67	69
18	81	80	81	83	77	81	117	115	116	76	70	73
19	80	78	79	86	83	85	115	113	114	79	73	75
20	81	78	79	88	85	86	115	113	114	80	72	76
21	79	77	78	91	86	88	113	105	109	79	72	74
22	80	77	78	95	89	92	118	112	115	78	74	75
23	80	77	79	95	92	94	118	114	116	79	74	77
24	80	78	79	94	93	93	116	114	115	82	76	79
25	78	73	76	94	91	92	116	114	115	85	79	81
26	76	74	75	95	93	94	117	114	116	85	78	83
27	78	75	76	---	---	---	119	116	117	83	77	79
28	80	76	78	---	---	---	118	116	117	81	77	78
29	---	---	---	---	---	---	117	115	116	82	78	80
30	---	---	---	---	---	---	118	105	115	84	79	81
31	---	---	---	---	---	---	---	---	---	84	78	80

YAZOO RIVER BASIN

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	81	76	78	76	72	74	87	83	85	78	74	76
2	82	78	80	75	72	73	97	80	87	88	78	84
3	80	76	79	76	71	72	83	79	81	86	78	83
4	84	78	80	76	71	73	87	81	85	83	78	80
5	86	77	81	76	71	73	87	84	86	84	80	81
6	89	81	84	77	71	73	88	83	85	83	79	80
7	96	90	92	76	72	74	88	84	86	82	79	80
8	90	78	85	81	73	76	104	88	94	81	78	80
9	78	53	68	78	73	75	109	101	105	80	77	78
10	68	50	59	78	72	76	101	89	93	79	76	77
11	74	66	69	76	71	74	89	83	86	83	76	79
12	77	68	71	79	72	75	92	87	90	77	76	76
13	76	70	73	77	71	75	93	89	91	78	77	77
14	78	74	75	76	71	73	93	82	85	78	76	77
15	78	74	75	78	74	76	87	84	86	79	77	78
16	78	75	76	79	74	77	89	86	87	80	77	79
17	76	69	73	79	73	76	88	85	87	80	77	78
18	71	66	69	78	73	75	---	---	---	82	78	80
19	70	66	68	76	71	73	---	---	---	84	79	81
20	69	66	67	78	73	75	---	---	---	86	82	84
21	73	64	68	79	75	76	---	---	---	96	84	92
22	74	66	68	78	75	76	---	---	---	91	79	86
23	73	65	68	78	75	76	---	---	---	81	78	79
24	74	66	70	78	74	76	84	73	78	80	77	79
25	76	71	74	77	74	75	78	74	75	79	77	78
26	74	71	72	80	75	76	84	75	78	79	76	77
27	77	70	73	77	75	76	81	73	76	78	77	77
28	78	72	74	82	77	79	74	72	73	78	77	78
29	77	72	74	82	71	77	74	73	73	80	78	79
30	78	72	74	84	71	78	75	73	74	84	78	80
31	---	---	---	87	81	83	76	73	74	---	---	---

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
OCTOBER			NOVEMBER			DECEMBER			JANUARY			
1	25.5	25.0	25.0	17.0	17.0	17.0	10.5	9.5	10.5	6.0	6.0	6.0
2	25.0	24.5	24.5	17.0	17.0	17.0	10.0	9.5	10.0	6.0	6.0	6.0
3	24.5	24.0	24.5	17.0	16.5	16.5	10.5	10.0	10.5	6.0	5.5	5.5
4	24.0	23.0	23.5	16.5	16.0	16.5	11.0	10.0	11.0	5.5	5.0	5.0
5	23.0	22.5	22.5	16.5	16.0	16.5	11.5	11.5	11.5	7.5	5.0	6.5
6	22.5	22.0	22.5	16.5	16.5	16.5	11.5	10.5	11.5	7.5	6.5	7.0
7	22.5	22.0	22.0	17.0	16.5	16.5	10.5	10.0	10.5	8.5	7.0	8.0
8	22.5	22.5	22.5	17.5	16.5	17.0	10.0	9.5	10.0	8.5	8.0	8.5
9	22.0	21.5	21.5	17.0	16.5	17.0	9.5	9.0	9.5	8.0	7.5	7.5
10	21.0	21.0	21.0	16.5	15.0	16.0	9.0	8.0	9.0	7.5	6.5	7.0
11	20.5	20.0	20.0	15.0	14.5	14.5	8.0	7.5	8.0	6.0	5.0	5.5
12	20.0	18.5	19.0	14.0	13.0	14.0	7.5	7.5	7.5	5.0	4.5	5.0
13	18.5	18.0	18.5	13.0	12.5	13.0	8.0	7.5	8.0	4.5	4.0	4.5
14	18.5	17.5	18.0	13.0	12.5	12.5	8.5	8.0	8.5	4.0	3.5	4.0
15	18.5	17.5	18.0	13.0	12.5	12.5	9.0	8.5	9.0	4.0	3.5	3.5
16	18.0	17.5	17.5	13.0	12.5	12.5	9.5	9.0	9.5	4.0	3.5	3.5
17	18.0	17.0	17.5	13.0	12.5	13.0	9.5	9.5	9.5	4.0	4.0	4.0
18	17.5	16.5	17.0	13.0	12.5	12.5	9.5	9.5	9.5	4.0	3.5	3.5
19	17.5	16.5	17.0	12.5	12.0	12.5	10.0	9.5	10.0	3.5	2.5	3.0
20	17.5	16.5	17.0	12.5	12.5	12.5	9.5	9.5	9.5	2.5	1.5	2.0
21	17.5	16.5	17.0	13.5	12.5	13.0	9.0	8.5	9.0	2.0	1.5	2.0
22	17.5	16.5	17.0	13.5	13.0	13.0	8.5	7.5	8.5	2.5	2.0	2.0
23	17.5	17.0	17.0	13.0	12.5	13.0	7.5	7.5	7.5	3.5	2.0	2.5
24	17.5	17.5	17.5	12.5	12.5	12.5	8.5	7.5	8.5	5.0	3.0	4.0
25	17.5	17.5	17.5	12.5	12.0	12.5	8.0	8.0	8.0	5.0	5.0	5.0
26	17.5	17.0	17.0	12.0	11.0	11.5	7.5	7.5	7.5	5.5	4.5	5.0
27	17.5	17.0	17.5	11.0	11.0	11.0	7.5	7.0	7.5	5.0	4.5	5.0
28	17.0	17.0	17.0	11.0	10.5	10.5	6.5	6.5	6.5	4.5	4.0	4.5
29	17.0	16.5	17.0	10.5	9.5	10.0	6.5	6.0	6.5	4.0	3.5	3.5
30	17.5	16.5	17.0	10.5	9.5	10.0	6.0	6.0	6.0	3.5	3.0	3.0
31	17.0	17.0	17.0	---	---	---	6.0	6.0	6.0	3.0	3.0	3.0

07287120 YAZOO RIVER NEAR SHELL BLUFF, MS--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
FEBRUARY			MARCH			APRIL			MAY			
1	3.0	3.0	3.0	6.5	6.0	6.5	16.0	14.5	15.5	20.0	18.0	18.5
2	3.5	3.0	3.0	6.5	6.0	6.5	17.0	15.5	16.0	19.0	18.0	18.5
3	4.0	3.0	3.5	6.5	6.0	6.0	17.5	16.0	17.0	19.0	17.5	18.0
4	4.5	3.0	3.5	6.0	5.5	6.0	17.5	17.0	17.5	17.5	17.0	17.0
5	4.0	3.5	3.5	6.0	5.5	6.0	18.5	17.0	17.5	17.5	16.5	17.0
6	3.5	2.5	3.0	6.5	6.0	6.0	19.0	17.5	18.0	17.5	17.0	17.0
7	3.0	2.5	3.0	7.5	6.5	7.0	19.5	18.0	18.5	18.5	17.5	18.0
8	3.0	2.0	2.5	8.0	8.0	8.0	20.0	19.0	19.5	19.5	18.5	18.5
9	2.5	2.0	2.5	8.0	7.5	7.5	20.5	19.5	20.0	20.5	19.5	20.0
10	3.0	2.0	2.5	8.0	7.5	7.5	20.0	19.5	20.0	21.0	20.5	20.5
11	3.5	2.0	3.0	8.0	6.5	7.5	19.5	18.5	19.0	21.5	21.0	21.0
12	4.0	2.5	3.0	8.5	7.5	8.0	18.0	17.5	17.5	22.0	21.5	21.5
13	4.5	4.0	4.0	10.5	8.5	9.0	17.5	17.0	17.5	21.5	21.5	21.5
14	4.5	4.0	4.5	13.5	10.5	12.0	18.5	17.0	17.5	21.5	21.5	21.5
15	4.5	4.0	4.0	13.0	12.5	12.5	19.5	17.5	18.0	21.5	21.5	21.5
16	4.5	4.0	4.5	13.0	12.5	12.5	20.0	18.0	19.0	22.0	21.5	21.5
17	4.5	4.0	4.5	12.5	12.0	12.5	20.5	19.5	20.0	22.0	21.5	21.5
18	4.5	4.5	4.5	12.5	12.0	12.5	21.5	20.0	20.5	22.0	21.5	21.5
19	4.5	4.0	4.5	12.5	12.0	12.5	20.5	19.5	20.0	22.0	21.5	22.0
20	4.5	4.0	4.5	13.5	12.5	13.0	19.5	18.5	19.0	23.0	22.0	22.5
21	4.5	4.0	4.0	14.0	13.0	13.5	19.0	17.5	18.5	23.5	23.0	23.0
22	4.0	3.5	4.0	14.5	13.0	14.0	19.0	17.5	18.0	24.5	23.5	24.0
23	4.5	4.0	4.5	15.0	14.0	14.5	20.0	17.5	18.5	25.0	24.0	24.5
24	5.0	4.0	4.5	15.0	14.5	14.5	20.0	18.5	19.5	25.5	24.5	25.0
25	5.5	5.0	5.0	14.5	14.0	14.5	20.0	19.0	19.5	26.0	25.0	25.5
26	6.0	5.0	5.5	14.0	12.5	13.0	19.5	18.0	19.0	26.5	25.5	26.0
27	6.0	5.5	5.5	13.0	12.0	12.5	20.0	18.0	19.0	26.5	25.5	26.0
28	6.5	6.0	6.0	---	---	---	20.5	18.5	19.5	26.0	25.5	26.0
29	---	---	---	13.0	12.0	12.5	20.0	19.0	19.5	26.0	25.5	25.5
30	---	---	---	14.0	12.5	13.0	20.5	19.0	20.0	26.0	25.0	25.5
31	---	---	---	15.0	13.5	14.0	---	---	---	26.0	25.0	25.5
JUNE			JULY			AUGUST			SEPTEMBER			
1	26.0	25.0	25.5	29.5	28.0	29.0	30.0	28.5	29.0	26.5	26.0	26.0
2	25.5	25.0	25.0	29.0	28.5	28.5	29.5	28.5	29.0	26.5	25.5	26.0
3	25.0	24.5	24.5	28.5	28.0	28.5	29.5	28.0	28.5	26.5	25.5	26.0
4	25.0	24.0	24.5	29.0	27.5	28.0	29.5	28.5	29.0	27.0	26.0	26.5
5	25.5	24.5	25.0	29.0	27.5	28.5	29.5	28.0	29.0	27.5	26.5	27.0
6	26.5	25.0	25.5	29.0	27.5	28.0	29.0	28.0	28.5	27.5	27.0	27.5
7	26.0	25.5	26.0	29.0	28.0	28.5	29.0	27.5	28.5	28.0	27.0	27.5
8	26.0	25.5	25.5	29.5	28.0	28.5	28.5	27.5	28.0	27.5	27.0	27.5
9	25.5	24.5	25.0	30.0	28.5	29.0	28.0	27.5	27.5	28.0	27.0	27.5
10	25.5	24.0	25.0	29.5	28.0	29.0	28.5	27.5	28.0	28.0	27.0	27.5
11	26.0	25.0	25.5	29.0	27.5	28.5	28.5	27.0	28.0	27.5	27.0	27.5
12	26.5	26.0	26.0	29.0	27.5	28.0	28.5	27.5	28.0	27.0	26.5	27.0
13	27.0	26.0	26.5	29.0	27.5	28.5	28.5	27.5	28.0	26.5	26.5	26.5
14	27.0	26.0	26.5	28.5	27.5	28.0	28.0	27.0	27.5	26.0	26.0	26.0
15	27.0	26.0	26.5	28.0	27.0	27.5	28.5	27.5	28.0	26.0	25.5	25.5
16	27.0	26.0	26.5	28.5	27.0	27.5	29.0	27.5	28.0	26.0	25.0	25.5
17	27.0	26.5	26.5	28.5	27.0	27.5	29.5	28.0	28.5	26.5	25.5	26.0
18	27.5	26.0	27.0	29.0	27.5	28.0	30.0	28.0	29.0	27.0	26.0	26.5
19	27.0	26.5	26.5	29.0	27.5	28.5	30.5	28.5	29.5	27.5	26.5	27.0
20	27.0	26.0	26.5	29.5	28.0	28.5	30.5	29.0	30.0	28.0	26.5	27.0
21	26.5	25.5	26.0	29.5	28.0	28.5	30.5	29.5	30.0	28.0	26.5	27.0
22	26.5	25.5	26.0	29.0	28.0	28.5	30.5	28.5	29.5	27.5	26.5	27.0
23	27.0	25.5	26.5	29.5	28.0	28.5	30.5	28.5	29.5	26.5	26.0	26.0
24	27.5	26.0	26.5	29.5	28.0	28.5	30.5	28.5	29.5	26.0	25.5	25.5
25	28.5	27.0	27.5	29.0	27.5	28.5	30.5	29.0	29.5	25.5	24.5	25.0
26	28.0	27.0	27.5	30.0	28.0	28.5	31.0	29.0	30.0	25.0	24.5	25.0
27	28.5	27.5	28.0	28.5	27.5	28.0	30.5	29.0	30.0	25.0	24.0	24.5
28	29.0	27.5	28.5	28.5	27.0	27.5	30.0	29.0	29.5	24.0	23.5	24.0
29	29.5	28.0	29.0	27.5	27.0	27.5	29.5	28.0	28.5	24.5	23.5	24.0
30	29.0	28.0	28.5	29.0	27.0	28.0	28.0	27.0	27.0	24.5	23.5	24.0
31	---	---	---	30.0	28.0	29.0	27.0	26.5	26.5	---	---	---

YAZOO RIVER BASIN

07287500 YAZOO RIVER AT YAZOO CITY, MS
(National water quality surveillance system station)

LOCATION.--Lat 32°51'29", long 90°26'12", in SE¼ sec.30, T.12 N., R.2 W., Choctaw Meridian, Yazoo County, Hydrologic Unit 08030206, at downstream side of bridge on U.S. Highway 49 W., 1.0 mi (1.6 km) northwest of Yazoo City, and at mile 75.6 (121.6 km).

DRAINAGE AREA.--8,900 mi² (23,051 km²).

PERIOD OF RECORD.--Water years 1974 to current year.

REMARKS.--Stage-discharge relation based on intermittent discharge measurements.

COOPERATION.--Discharge measurements were furnished by Corps of Engineers.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STRAW- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
NOV									
05...	1200	8700	95	6.9	23.5	70	9.4	35	--
20...	1300	8600	90	7.2	16.0	30	11.9	20	K81
NOV									
01...	1400	8700	85	7.7	18.0	50	8.5	15	K88
17...	1300	8740	64	7.7	15.5	40	7.9	25	--
DEC									
01...	1330	14400	55	7.6	12.0	230	6.9	38	K94
14...	1345	13700	72	6.5	8.5	95	8.5	33	K300
JAN									
04...	0900	11600	85	7.5	5.0	85	11.5	25	K44
23...	1400	11700	82	7.0	2.0	120	14.1	20	--
31...	1000	12900	63	7.5	2.5	270	15.0	38	K160
FEB									
13...	1430	12000	82	7.5	5.0	350	9.1	34	580
MAR									
07...	1300	9600	97	7.5	7.5	200	9.0	27	640
23...	1300	8700	91	7.1	13.5	210	9.4	20	K50
28...	1030	8200	84	6.8	11.5	230	5.0	30	--
APR									
12...	0930	5300	103	6.0	19.0	80	7.6	20	K180
27...	1300	7600	120	7.2	20.0	85	6.9	20	K31
MAY									
05...	1100	11600	66	7.4	17.5	450	6.3	45	330
16...	1000	14900	63	7.0	21.0	350	5.3	40	220
31...	1400	12500	71	7.1	27.0	250	6.0	35	K290
JUN									
13...	1000	10800	64	7.0	26.0	280	5.2	50	420
27...	1400	9600	80	7.5	29.0	200	5.6	20	K150
JUL									
11...	1030	8700	80	6.8	29.0	100	5.6	25	210
AUG									
01...	1300	8200	85	6.8	28.5	180	5.5	35	540
16...	1000	8200	85	7.3	28.0	80	5.7	15	1500
SEP									
06...	1030	8200	88	7.3	25.0	40	7.2	10	K160
20...	1400	8260	126	7.2	28.0	50	6.2	20	--

07287500 YAZOO RIVER AT YAZOO CITY, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C SOLVED (MG/L)	SOLIDS, DIS- SOLVED PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)
OCT									
05...	6.8	72	.10	1690	6	.37	.49	.54	.91
20...	5.1	55	.07	1280	60	.19	.63	.91	1.1
NOV									
01...	4.3	49	.07	1150	101	.20	.43	.54	.74
17...	3.3	53	.07	1250	45	.13	.25	.34	.47
DEC									
01...	5.9	59	.08	2290	129	.34	1.1	1.2	1.5
14...	5.9	66	.09	2440	110	.31	.20	.38	.69
JAN									
04...	6.3	52	.07	1630	48	.25	.47	.62	.87
23...	6.7	56	.08	1770	122	.59	.66	.88	1.5
31...	5.8	51	.07	1780	236	.51	.73	.93	1.4
FEB									
13...	6.2	72	.10	2330	390	.54	.99	1.3	1.8
MAR									
07...	7.3	66	.09	1710	118	.96	1.9	2.6	3.6
23...	6.5	64	.09	1500	165	.52	1.1	1.3	1.8
28...	7.5	74	.10	1640	62	.45	.84	.94	1.4
APR									
12...	7.5	73	.10	1050	27	.55	.57	.78	1.3
27...	8.2	77	.10	1580	56	.39	.51	.57	.96
MAY									
05...	5.6	58	.08	1820	694	.68	1.7	1.9	2.6
16...	6.2	53	.07	2130	92	1.0	1.8	2.4	3.4
31...	5.8	69	.09	2330	0	.49	.87	1.0	1.5
JUN									
13...	6.3	56	.08	1630	564	.60	1.4	1.5	2.1
27...	6.0	65	.09	1690	182	.50	.70	.75	1.3
JUL									
11...	6.0	61	.08	1430	3	.34	.70	.72	1.1
AUG									
01...	6.0	68	.09	1510	37	.41	.95	1.0	1.4
16...	4.9	--	--	--	15	.27	.84	.87	1.1
SEP									
06...	6.0	70	.10	1550	34	.23	.42	.43	.66
20...	6.4	78	.11	1740	70	.25	.35	.38	.63
DATE	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	CARBON, ORGANIC TOTAL (MG/L AS C)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	CHLORO- PHYLL A PHYTO- PLANK- TON, UNCORR. (UG/L)	CHLORO- PHYLL B PHYTO- PLANK- TON, UNCORR. (UG/L)	CHLORO-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLORO-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT									
05...	4.0	.21	5000	13	0	--	--	--	--
20...	4.9	.22	6800	4.4	0	--	--	--	--
NOV									
01...	3.3	.22	3600	14	1	3.08	.000	--	--
17...	2.1	.10	3500	9.9	0	5.08	2.56	--	--
DEC									
01...	6.8	.39	8000	19	14	.000	.000	--	--
14...	3.1	.29	12000	13	0	1.01	.000	--	--
JAN									
04...	3.9	.18	5500	7.3	0	.000	.000	--	--
23...	6.5	.28	8200	15	1	.226	.000	--	--
31...	6.4	.39	12000	15	24	6.16	4.56	--	--
FEB									
13...	8.1	.52	1600	10	--	21.2	10.2	--	--
MAR									
07...	16	.26	7000	16	0	--	--	1.72	.000
23...	8.1	.32	10000	9.6	0	--	--	.000	.000
28...	6.2	.30	8000	9.6	0	--	--	2.03	.000
APR									
12...	5.9	.16	4900	11	1	--	--	.000	.000
27...	4.3	.22	4600	10	0	--	--	5.45	.000
MAY									
05...	11	.88	34000	11	1	--	--	.000	.000
16...	15	.58	17000	10	1	--	--	.000	.000
31...	6.6	.40	13000	16	0	--	--	2.77	.000
JUN									
13...	9.3	.66	28000	12	0	--	--	.000	.000
27...	5.5	.23	13000	8.7	1	--	--	2.98	.000
JUL									
11...	4.7	.21	13000	--	0	--	--	.000	.000
AUG									
01...	6.2	.39	13000	--	1	--	--	1.28	.000
16...	5.0	.22	2200	7.2	0	--	--	.000	.000
SEP									
06...	2.9	.12	8000	5.4	0	--	--	3.04	.000
20...	2.8	.15	4100	--	0	--	--	1.70	.000

YAZOO RIVER BASIN

07287500 YAZOO RIVER AT YAZOO CITY, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	CALCIUM TOTAL RECOV- ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL RECOV- ERABLE (MG/L AS MG)	SODIUM, TOTAL RECOV- ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL RECOV- ERABLE (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)
OCT 05...	7.6	3.7	4.8	3.7	39	0	32	7.9
JAN 04...	5.5	2.5	6.6	2.9	20	0	16	1.0
MAR 28...	7.5	3.3	4.2	3.0	30	0	25	7.6
JUL 11...	6.8	3.3	3.8	2.8	15	0	12	3.8

DATE	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	ARSENIC TOTAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
OCT 05...	6.8	3.9	1	0	10	46	<.5	10
JAN 04...	5.0	3.0	1	1	20	9	<.5	30
MAR 28...	11	4.4	2	0	40	2	<.5	30
JUL 11...	7.1	4.4	2	0	10	26	.5	40

DATE	MOIS- TURE CONTENT DRY WT. (% OF TOTAL)	C.U.D. TOTAL IN BOTTOM MA- TERIAL (MG/KG)	NITRO- GEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	OIL AND GREASE, TOT. IN BOT MAT GRAVI- METRIC (MG/KG)
OCT 05...	27	9200	1800	8	<10	10	<10	.05	30	13	0

07287500 YAZOO RIVER AT YAZOO CITY, MS--Continued

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)
MAR 28...	.0	.00	.00	.0	.00	.00	.00	.00
SEP 20...	.0	.00	.00	.0	.01	.00	.01	.00

DATE	DI- FLDRIN TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
MAR 28...	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEP 20...	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
MAR 28...	.00	.00	.00	0	.00	.00	.00	.00
SEP 20...	.00	.00	.00	0	.00	.00	.07	.00

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
SEP 20...	0	.0	0	1.2	.6	.3	.0	.0

DATE	ENDRI- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOT- TOM MA- TERIAL MATL. (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOT- TOM MA- TERIAL MATL. (UG/KG)	METHYL PARA- THION, TOT. IN BOT- TOM MA- TERIAL (UG/KG)
SEP 20...	.00	.0	.0	.0	.0	.0	.0	.0	.0

DATE	METHYL TRI- THION, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
SEP 20...	.0	.0	.00	0	.0	0	0	.0

07288500 BIG SUNFLOWER RIVER AT SUNFLOWER, MS

LOCATION.--Lat 33°32'50", long 90°32'35", in NE¼ sec.6, T.19 N., R.3 W., Choctaw Meridian, Sunflower County, Hydrologic Unit 08030207, near right bank on downstream side of highway bridge, 0.5 mi (0.8 km) northwest of Sunflower, 2.5 mi (4.0 km) downstream from Jones Bayou, and 19.0 mi (30.6 km) upstream from Quiver River.

DRAINAGE AREA.--767 mi² (1,987 km²).

PERIOD OF RECORD.--October 1935 to September 1975 in reports of Geological Survey. Prior to October 1938 monthly discharge only published in WSP 1311. February 1918 to September 1935 (gage heights only) in reports of Corps of Engineers, Vicksburg district. Prior to Oct. 1, 1972, published as Sunflower River at Sunflower, Miss.

REVISED RECORDS.--WSP 1211: Drainage area. WRD Miss. 1970: 1969(m).

GAGE.--Water-stage recorder. Datum of gage is 92.95 ft (28.331 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to Nov. 28, 1934, nonrecording gage on upstream side of bridge at datum 93.00 ft (28.346 m) lower. Nov. 28, 1934, to June 30, 1947, nonrecording gage on upstream side of bridge at present datum.

REMARKS.--Diversion for irrigation of about 5,000 acres (20.2 km²) and withdrawal of an average of about 6 ft³/s (0.17 m³/s) for industrial use above station. At times streamflow is augmented by waste irrigation water which is pumped from wells.

COOPERATION.--Results of 24 discharge measurements and records of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

AVERAGE DISCHARGE.--42 years, 1,034 ft³/s (29.28 m³/s), 18.31 in/yr (465 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 15,000 ft³/s (425 m³/s) Mar. 18, 1973, gage height, 28.37 ft (8.647 m); minimum discharge, 81 ft³/s (2.29 m³/s) Aug. 16, 1954, Aug. 9, 10, 1956; minimum gage height, 0.78 ft (0.238 m) Oct. 15, 1967.

EXTREMES FOR WATER YEAR 1977.--Maximum discharge, 5,820 ft³/s (165 m³/s) Mar. 7, gage height, 21.88 ft (6.669 m); minimum daily discharge, 84 ft³/s (2.38 m³/s) Oct. 19.

NOTE.--Records for 1978 water year will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	117	329	490	220	276	270	308	360	127	215	1090	226
2	117	343	415	190	238	263	276	328	125	214	1110	220
3	117	322	336	174	226	631	343	175	124	212	980	196
4	116	276	276	168	208	3260	1370	167	126	214	730	162
5	114	226	232	179	202	5100	2870	188	128	214	535	138
6	119	179	208	225	190	5740	3500	202	129	208	400	120
7	111	152	238	385	185	5800	3480	192	127	208	315	116
8	110	131	371	475	174	5630	3050	177	123	208	270	119
9	109	117	520	710	169	5230	2430	185	124	228	244	126
10	108	110	551	1130	160	5030	1810	439	122	276	232	137
11	100	108	505	1200	150	4710	1250	577	123	315	220	145
12	94	106	415	1090	153	3600	810	548	129	460	214	132
13	91	104	336	915	155	3590	550	446	136	583	208	124
14	92	105	276	1130	152	3440	400	340	150	551	208	115
15	91	106	250	1780	145	3010	329	265	180	460	208	107
16	89	108	232	2270	139	2460	289	208	240	371	202	126
17	87	112	208	2390	138	1850	263	142	400	302	203	134
18	85	112	190	2240	141	1310	490	114	535	256	220	129
19	84	111	179	1900	141	960	1960	100	690	244	244	121
20	89	117	276	1470	137	660	2680	92	790	248	250	132
21	88	152	244	1090	134	510	2740	88	800	252	247	152
22	87	174	185	750	131	430	2580	90	730	263	242	145
23	87	157	152	535	157	371	2240	92	617	270	240	123
24	91	140	136	490	160	330	1920	95	505	336	240	106
25	174	134	244	460	152	305	1520	97	415	357	240	104
26	238	140	535	470	157	290	1070	98	536	400	208	103
27	296	208	567	505	235	275	710	98	277	498	208	128
28	329	415	505	500	270	273	515	107	244	505	211	282
29	322	617	415	445	---	308	365	115	232	590	214	451
30	322	567	322	385	---	336	279	120	220	744	220	593
31	322	---	263	315	---	329	---	126	---	900	225	---
TOTAL	4396	5978	10072	26186	4875	66301	42397	6371	9004	11102	10578	5012
MEAN	142	199	325	845	174	2139	1413	206	300	358	341	167
MAX	329	617	567	2390	276	5800	3500	577	800	900	1110	593
MIN	84	104	136	168	131	263	263	88	122	208	202	103
CFSM	.19	.26	.42	1.10	.23	2.79	1.88	.27	.39	.47	.45	.22
IN.	.21	.29	.49	1.27	.24	3.22	2.06	.31	.44	.54	.51	.24

CAL YR 1976 TOTAL 309180 MEAN 845 MAX 5760 MIN 84 CFSM 1.10 IN 15.00
WTR YR 1977 TOTAL 202272 MEAN 554 MAX 5800 MIN 84 CFSM .72 IN 9.81

07288800 YAZOO RIVER AT REDWOOD, MS
(National stream-quality accounting station)
(National water quality surveillance system 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 (1.0 km) downstream from U.S. Highway 61, 1.0 mi (1.6 km) northwest of Redwood, and at mile 16.7 (26.9 km).

DRAINAGE AREA.--12,603 mi² (32,642 km²).

PERIOD OF RECORD.--Water years 1961-62, 1972 to current year.

REMARKS.--Stage-discharge relation based on intermittent discharge measurements.

COOPERATION.--Discharge measurements were furnished by Corps of Engineers.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)
OCT									
04...	1400	14000	120	7.3	24.5	75	5.2	30	K94
20...	1000	19400	105	6.5	16.0	35	8.5	20	420
NOV									
01...	1030	15800	100	7.2	18.0	60	7.0	15	K100
17...	1000	18700	69	7.2	15.5	30	7.9	25	--
DEC									
01...	1000	30200	71	7.6	12.0	260	7.7	41	K120
14...	1000	27600	75	6.7	8.5	100	8.0	30	K210
JAN									
04...	1400	21900	76	7.1	6.0	90	10.4	25	380
23...	1100	27000	88	7.0	2.5	180	14.2	26	--
31...	1300	38500	71	7.5	4.0	330	10.2	35	230
FEB									
13...	1200	35100	90	7.5	5.0	250	9.9	26	K110
MAR									
07...	1400	25500	87	7.3	8.0	250	9.7	26	K130
23...	1000	7000	92	7.0	13.0	230	9.0	30	K31
28...	1400	7410	106	6.5	14.5	230	8.5	25	--
APR									
12...	1230	6300	103	6.0	18.5	80	6.5	20	K110
27...	0930	20000	145	7.0	20.0	65	5.8	20	K50
MAY									
05...	1330	26100	115	6.9	17.5	450	6.3	40	--
16...	1400	35000	65	6.8	21.0	400	5.2	45	K120
31...	1130	30000	--	--	--	250	--	40	600
JUN									
13...	1430	26900	73	6.9	26.5	420	--	60	370
27...	1000	14800	118	7.5	28.0	200	5.5	30	260
JUL									
11...	1100	15900	112	7.3	30.5	90	5.4	31	230
AUG									
01...	1300	15600	156	7.6	30.0	75	5.3	31	K25000
16...	1300	16100	150	7.0	29.0	70	6.5	11	760
SEP									
06...	1230	12000	105	7.8	28.5	55	6.5	8	390
20...	1130	11900	104	7.1	28.0	50	6.0	20	--

YAZOO RIVER BASIN

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	STREP- TIDUCCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (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)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)
OCT											
04...	--	--	--	--	--	--	--	--	--	55	0
JAN											
04...	420	23	6	5.6	2.1	4.2	26	.4	3.2	20	0
31...	K58	25	7	6.5	2.1	3.8	22	.3	2.9	22	0
MAR											
07...	3500	31	9	7.7	2.8	5.6	26	.4	2.9	27	0
28...	440	32	6	7.9	3.0	6.8	29	.5	2.8	32	0
MAY											
05...	--	36	1	9.4	3.1	7.6	30	.6	2.2	43	0
JUN											
13...	1000	23	5	5.8	2.0	4.0	25	.4	2.8	22	0
JUL											
11...	K88	37	7	9.5	3.3	5.5	23	.4	2.3	--	--
AUG											
01...	K38	63	7	16	5.5	8.1	21	.4	2.6	--	--
SEP											
06...	250	38	5	10	3.2	6.0	24	.4	2.4	--	--

DATE	ALKA- LITY (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)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)
OCT											
04...	45	9.9	6.5	--	--	--	--	--	--	--	--
JAN											
04...	16	8.1	4.3	.0	44	--	.47	.05	1300	134	7920
31...	18	8.9	4.1	.1	45	.10	1.1	.09	--	410	42600
MAR											
07...	22	10	3.3	.1	53	.05	.92	.06	--	274	18900
28...	26	12	5.1	.1	61	.41	.79	.04	850	154	3080
MAY											
05...	35	10	5.8	.1	65	.00	1.5	.09	--	732	51600
JUN											
13...	18	5.7	4.6	.1	42	.90	1.1	.05	200	898	65200
JUL											
11...	30	9.0	5.2	.1	60	.31	.34	.03	3000	263	11300
AUG											
01...	56	9.3	5.4	.1	89	.26	.69	.05	1500	303	12800
SEP											
06...	33	8.0	4.9	.1	61	.00	.76	.04	1500	331	10700

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	SILICA, DIS- SOLVED (MG/L AS SiO ₂)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)
OCT									
04...	7.7	86	.12	3250	0	.32	.03	.56	.59
20...	5.5	54	.07	2830	70	.21	.05	.63	.68
NOV									
01...	4.8	58	.08	2470	92	.28	.05	.53	.58
17...	3.4	64	.09	3230	37	.14	.05	.95	1.0
DEC									
01...	5.9	68	.09	5540	243	.38	.11	1.1	1.2
14...	5.7	54	.07	4020	34	.32	.17	.64	.81
JAN									
04...	6.4	61	.08	3610	29	.28	.13	.52	.65
23...	6.3	73	.10	5320	74	.61	.20	.90	1.1
31...	5.6	52	.07	5400	344	.59	.19	1.0	1.2
FEB									
13...	6.3	64	.09	6060	97	.45	.16	.50	.66
MAR									
07...	6.9	69	.09	4750	111	.59	.17	.80	.97
23...	6.3	56	.08	1060	276	.49	.20	1.0	1.2
28...	7.5	81	.11	1620	55	.54	.15	1.1	1.2
APR									
12...	7.0	79	.11	1340	17	.40	.07	.52	.59
27...	7.9	96	.13	5180	23	.46	.03	.63	.66
MAY									
05...	5.8	81	.11	5710	680	.96	.26	1.2	1.5
16...	5.9	54	.07	5100	332	.75	.25	1.3	1.5
31...	6.1	78	.11	6320	0	.55	.20	1.5	1.7
JUN									
13...	5.7	59	.08	4280	612	.75	.24	1.8	2.0
27...	7.5	83	.11	3320	352	.71	.05	1.2	1.2
JUL									
11...	6.9	81	.11	3480	116	.43	.03	.62	.65
AUG									
01...	8.1	107	.15	4510	58	.45	.03	.92	.95
16...	6.5	139	.19	6040	85	.32	.02	.89	.91
SEP									
06...	6.3	80	.11	2590	71	.28	.01	.47	.76
20...	5.7	67	.09	2150	107	.22	.03	.40	.43
DATE	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO ₃)	PHOS- PHORUS, TOTAL (MG/L AS P)	IRON, TOTAL RECIV- FRABLE (UG/L AS FE)	CARBON, ORGANIC TOTAL (MG/L AS C)	CHLORO- PHYLL A PHYTO- PLANK- TON, UNCORR. (UG/L)	CHLORO- PHYLL B PHYTO- PLANK- TON, UNCORR. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT									
04...	.91	4.0	.20	6000	11	--	--	--	--
20...	.89	3.9	.15	3700	6.7	--	--	--	--
NOV									
01...	.86	3.8	.17	4000	9.8	5.32	.000	--	--
17...	1.1	5.0	.09	2200	10	--	--	--	--
DEC									
01...	1.6	7.0	.44	11000	18	.000	.000	--	--
14...	1.1	5.0	.30	--	11	--	--	--	--
JAN									
04...	.93	4.1	.19	6300	13	.000	.000	--	--
23...	1.7	7.6	.35	9700	19	4.24	1.89	--	--
31...	1.8	7.9	.48	14000	14	10.4	6.45	--	--
FEB									
13...	1.1	4.9	.25	7000	8.3	--	--	--	--
MAR									
07...	1.6	6.9	.28	6000	10	--	--	.000	.000
23...	1.7	7.5	.35	11000	11	--	--	.000	.000
28...	1.7	7.7	.23	7700	7.2	--	--	4.89	.000
APR									
12...	.99	4.4	.16	4400	9.3	--	--	4.04	.000
27...	1.1	5.0	.21	3600	12	--	--	8.08	.000
MAY									
05...	2.5	11	.63	29000	14	--	--	--	--
16...	2.3	10	.57	19000	11	--	--	.000	.000
31...	2.3	10	.40	12000	20	--	--	2.61	.000
JUN									
13...	2.8	12	.84	37000	11	--	--	.000	.000
27...	1.9	8.5	.36	16000	9.2	--	--	.000	.000
JUL									
11...	1.1	4.8	.24	9400	11	--	--	3.07	.000
AUG									
01...	1.4	6.2	.23	9000	7.4	--	--	2.82	1.14
16...	1.2	5.4	.22	8800	7.8	--	--	2.95	.000
SEP									
06...	1.0	4.6	.13	6300	6.2	--	--	--	--
20...	.65	2.9	.16	5300	--	--	--	.110	.000

YAZOO RIVER BASIN

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	CALCIUM TOTAL REC'D ERABLE (MG/L AS CA)	MAGNE- SIUM, TOTAL REC'D ERABLE (MG/L AS MG)	SODIUM, TOTAL REC'D ERABLE (MG/L AS NA)	POTAS- SIUM, TOTAL REC'D ERABLE (MG/L AS K)	ARSENIC TOTAL REC'D ERABLE (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL REC'D ERABLE (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL REC'D ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE TOTAL REC'D ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL REC'D ERABLE (UG/L AS CD)
OCT 04...	11	4.6	6.8	3.4	1	--	--	--	--	--	0
JAN 04...	5.6	2.5	6.6	3.2	1	0	1	0	0	0	0
MAR 28...	8.8	3.6	6.0	3.0	2	1	1	100	100	0	0
JUL 11...	11	4.5	5.5	3.1	1	0	1	0	0	0	0

DATE	CADMIUM SUS- PENDE TOTAL REC'D ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL REC'D ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDE TOTAL REC'D ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL REC'D ERABLE (UG/L AS CO)	COBALT, SUS- PENDE TOTAL REC'D ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL REC'D ERABLE (UG/L AS CU)	COPPER, SUS- PENDE TOTAL REC'D ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)
OCT 04...	--	--	20	--	--	--	--	--	--	--	--
JAN 04...	0	0	10	10	0	2	2	0	9	5	4
MAR 28...	0	3	20	20	0	0	0	0	6	4	2
JUL 11...	0	2	10	10	0	0	0	0	6	3	3

DATE	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL REC'D ERABLE (UG/L AS PH)	LEAD, SUS- PENDE TOTAL REC'D ERABLE (UG/L AS PH)	LEAD, DIS- SOLVED (UG/L AS PH)	MANGA- NESE, TOTAL REC'D ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE TOTAL REC'D ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL REC'D ERABLE (UG/L AS HG)	MERCURY SUS- PENDE TOTAL REC'D ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELF- NIUM, TOTAL (UG/L AS SE)
OCT 04...	--	17	--	--	--	--	--	<.5	--	--	--
JAN 04...	250	8	5	3	190	160	30	<.5	.0	<.5	0
MAR 28...	150	3	0	4	90	70	20	<.5	.0	<.5	0
JUL 11...	40	43	40	3	190	180	10	.5	.0	.5	0

DATE	SELF- NIUM, SUS- PENDE TOTAL REC'D ERABLE (UG/L AS SE)	SELF- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL REC'D ERABLE (UG/L AS AG)	SILVER, SUS- PENDE TOTAL REC'D ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL REC'D ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE TOTAL REC'D ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)
OCT 04...	--	--	--	--	--	30	--	--	--	--
JAN 04...	0	0	0	0	0	30	20	10	7.0	.5
MAR 28...	0	0	1	1	0	20	20	0	7.5	3.0
JUL 11...	0	0	0	0	0	30	20	10	4.9	1.6

07288800 YAZOO RIVER AT REDWOOD, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	MOIS- TURE CONTENT DRY WT. (% OF TOTAL)	C.O.D. TOTAL IN BOTTOM MA- TERIAL (MG/KG)	NITRO- GEN, NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	PHOS- PHORUS, TOTAL IN BOT. MAT. (MG/KG AS P)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)
OCT 04...	29	9600	1600	380	7	<10	10	<10	.00	20

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)
MAR 28...	.0	.00	.00	.0	.02	.00	.03	.00	.01
JUL 11...	.0	.00	.00	.0	.01	.00	.01	.00	.01
SEP 20...	.0	.00	.00	.0	.01	.00	.01	.00	.00

DATE	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
MAR 28...	--	.00	.00	.00	.00	.00	.00	.00	.00
JUL 11...	.00	.00	.00	.00	.00	.00	.00	.00	.00
SEP 20...	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION TOTAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
MAR 28...	.00	.00	.00	0	.00	.00	.01	.00
JUL 11...	.00	.00	.00	0	.00	--	--	--
SEP 20...	.00	.00	.00	0	.00	.00	.02	.00

DATE	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
SEP 20...	0	.0	0	21	11	3.4	.0	.0	.0	.0	.0	.0

DATE	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
SEP 20...	.0	.0	.0	.0	.0	.0	.00	0	.0	0	0	.0

YAZOO RIVER BASIN

07288800 YAZOO RIVER AT REDWOOD, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1977 TO SEPTEMBER 1978

DATE TIME	JAN 4,78 1400	MAR 28,78 1400	JUN 13,78 1430	JUL 11,78 1100	AUG 1,78 1300	SEP 6,78 1230
TOTAL CELLS/ML	1300	850	200	3000	1500	1500
DIVERSITY: DIVISION	0.3	1.2	0.5	1.6	0.6	1.1
..CLASS	0.3	1.2	0.5	1.6	0.6	1.1
..ORDER	0.4	1.5	0.5	2.1	1.4	1.2
...FAMILY	0.4	1.7	0.5	2.7	2.2	1.3
....GENUS	0.4	0.0	0.5	3.4	2.8	1.5

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)												
..CHLOROPHYCEAE												
...CHLOROCOCCALES												
....DUCYSTACEAF	--	-	19	2	--	-	--	-	--	-	--	-
...CHARACTACEAE												
....SCHROEDERIA	--	-	--	-	--	-	--	-	22	1	--	-
...COELASTRACEAE												
....COELASTRUM	--	-	--	-	--	-	360	12	--	-	--	-
...DUCYSTACEAF												
....ANKISTRODESMS	--	-	19	2	--	-	--	-	66	4	*	0
...DICTYOSPHAERIUM	--	-	--	-	--	-	--	-	350#	23	--	-
....KIRCHNERIELLA	--	-	19	2	--	-	67	2	--	-	--	-
...DUCYSTIS	--	-	--	-	--	-	89	3	--	-	--	-
...SELENASTRUM	--	-	58	7	--	-	--	-	--	-	--	-
...SCENFDESMAEAE												
....ACTINASTRUM	--	-	--	-	--	-	180	6	88	6	--	-
...CRUCIGENIA	--	-	--	-	--	-	750#	25	530#	35	28	2
...SCENFDESMS	--	-	58	7	--	-	22	1	44	3	57	4
...TETRASPORALES												
...PALMELLACEAE												
...SPHAEROCYSTIS	--	-	--	-	--	-	--	-	180	12	--	-
...VOLVICALES												
...CHLAMYDOMONADACEAE	--	-	140#	16	--	-	--	-	--	-	--	-
...CHLAMYDOMONAS	--	-	--	-	--	-	22	1	22	1	--	-
...ZYGNEATALES												
...DESMIDIACEAE												
...COSMARIUM	--	-	--	-	--	-	--	-	22	1	--	-
CHRYSTOPHYTA												
..BACILLARIOPHYCEAE												
...CENTRALES												
...COSCINODISCACEAE												
....CYCLOTELLA	--	-	39	5	--	-	44	1	110	7	110	7
...MELOSIRA	1300#	94	470#	55	--	-	180	6	--	-	250#	16
...SKELETONEMA	--	-	--	-	--	-	--	-	44	3	--	-
...PENNALES												
...ACHNANTHACEAE												
...COCCONEIS	--	-	--	-	--	-	--	-	--	-	*	0
...CYMBELLACEAE												
...CYMBELLA	--	-	--	-	--	-	--	-	--	-	*	0
...FRAGILARIACEAE												
...SYNDRA	23	2	--	-	--	-	--	-	--	-	--	-
...NAVICULACEAE												
...NAVICULA	--	-	--	-	--	-	67	2	--	-	*	0
...NITZSCHIAEAE												
....NITZSCHIA	--	-	--	-	22	11	110	4	22	1	--	-
CRYPTOPHYTA (CRYPTOMONADS)												
..CRYPTOPHYCEAE												
...CRYPTOMONADALES												
...CRYPTOMONADACEAE	--	-	39	5	--	-	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)												
..CYANOPHYCEAE												
...CHROOCOCCALES												
...CHROOCOCCACEAE												
....AGMENELLUM	--	-	--	-	--	-	180	6	--	-	--	-
...ANACYSTIS	--	-	--	-	--	-	530#	18	--	-	--	-
...HORMOGONALES												
...OSCILLATORIACEAE												
...OSCILLATORIA	38	3	--	-	180#	89	240	8	--	-	1100#	69
EUGLENOPHYTA (EUGLENOIDS)												
..EUGLENOPHYCEAE												
...EUGLENALES												
...EUGLENACEAE												
....EUGLENA	8	1	--	-	--	-	67	2	--	-	*	0
...PHACUS	--	-	--	-	--	-	22	1	--	-	--	-
...TRACHELOMONAS	8	1	--	-	--	-	67	2	22	1	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS

LOCATION.--Lat 32°18'45", long 90°54'25", in T.16 N., R.3 E., Washington Meridian, Warren County, Hydrologic Unit 08060100, over cavity of 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 (2.4 km) downstream from Yazoo diversion canal and at mile 430.4 (692.5 km).

DRAINAGE AREA.--1,140,500 mi² (2,953,90 km²), approximately. The 4,000 mi² (10,400 km²), approximately, in the Great Divide basin in Southern Wyoming is not included.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Discharge: January 1928 to September 1977. Prior to July 1931, monthly discharge only, published in WSP 1311.

Gage heights: April 1930 to September 1977 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 (1.8 km) upstream and since January 1977 referred to gage at mile 437.0, in reports of 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 Corps of Engineers. Prior to October 1968, published as Mississippi River near Vicksburg.

REVISED RECORDS.--WSP 747, WRD Miss. 1975: Drainage area.

GAGE.--Water-stage recorder (bridge gage) maintained by Geological Survey. Jan. 1, 1963, to Dec. 31, 1967, supplementary 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 (1.8 km) upstream, and since January 1977 on left bank at downstream side of Interstate 20 bridge, maintained by Corps of Engineers. Datum of gage is 46.22 ft (14.088 m) National Geodetic Vertical Datum of 1929 (Corps of Engineers bench mark) or 46.16 ft (14.070 m) above mean gulf level. Gages used by Mississippi River Commission: Dec. 10, 1871, to Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 mi (2.4 km) upstream from bridge gage; since Sept. 30, 1929, nonrecording gage at mouth of Yazoo diversion canal, 1.5 mi (2.4 km) upstream from bridge gage; since October 1929, nonrecording gage on Yazoo diversion canal, 1,600 ft (490 m) upstream from mouth. Gages used by National Weather Service; May 18, 1873, to Oct. 29, 1919, nonrecording gage 0.5 mi (0.8 km) 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 (1.8 km) 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.

COOPERATION.--Supplementary gage-height record and records of daily discharge furnished by Corps of Engineers.

AVERAGE DISCHARGE.--49 years, 569,000 ft³/s (16,114 m³/s), 412,240,000 acre-ft/yr (508 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,080,000 ft³/s (58,900 m³/s) Feb. 17, 1937; maximum gage height, 53.2 ft (16.22 m) Feb. 21, 1937; minimum discharge, 99,400 ft³/s (2,820 m³/s) Nov. 1, 1939; minimum gage height, -7.02 ft (-2.140 m) Feb. 3, 1940 (ice jam above).

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage known since at least 1871, 58.4 ft (17.80 m), Corps of Engineers gage on Yazoo diversion canal; approximately 56.0 ft (17.07 m) May 4, 1927 (Geological Survey gage).

EXTREMES FOR WATER YEAR 1977.--Maximum daily discharge, 980,000 ft³/s (27,800 m³/s) Apr. 19. Maximum gage height, 31.96 ft (9.741 m) Apr. 21, at bridge gage, 32.39 ft (9.872 m) Apr. 21 at supplementary recorder; minimum daily discharge, 175,000 ft³/s (4,960 m³/s) Oct. 1; minimum gage height, observed -.80 ft (-0.224 m) Feb. 14 at supplementary recorder.

NOTE.--Records for 1978 water year will be published in a subsequent report.

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MISS.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.20	7.00	1.40	3.40	4.50	8.30	25.80	16.40	7.80	8.00	6.80	9.00
2	.40	7.70	1.90	2.90	3.90	8.50	26.10	16.00	7.70	9.90	6.40	9.00
3	.80	8.30	2.40	2.40	3.60	9.00	26.50	16.00	7.70	11.50	5.90	9.00
4	1.30	9.00	2.50	2.00	3.00	12.00	27.00	16.00	7.20	12.80	5.50	8.90
5	2.40	9.50	2.20	2.10	2.40	15.50	28.00	16.30	6.80	13.90	5.50	8.40
6	3.60	10.10	2.60	2.00	1.80	19.90	28.30	16.20	6.40	14.60	5.00	8.00
7	4.00	10.60	3.20	2.00	1.20	21.30	28.30	16.00	5.80	14.90	4.40	7.60
8	4.20	10.80	3.50	2.00	.40	22.80	28.20	15.90	5.50	14.90	3.30	7.20
9	4.00	10.80	4.00	2.40	-.30	23.80	27.90	15.70	5.30	14.60	2.30	6.40
10	3.90	11.00	4.00	2.70	-.50	24.70	27.80	15.40	5.30	14.50	1.90	7.00
11	4.00	11.00	3.90	2.80	-.40	25.50	28.00	15.30	4.80	14.40	1.70	7.20
12	4.00	10.90	3.70	3.50	-.30	26.40	28.50	15.30	4.50	14.00	1.30	7.90
13	3.40	10.40	3.40	4.00	-.40	27.00	29.40	15.10	4.50	13.50	.90	9.00
14	2.70	9.70	3.70	4.30	-.80	27.80	30.10	15.10	4.30	13.00	.40	10.00
15	2.60	8.60	4.30	4.50	-.70	28.40	30.80	16.40	4.00	12.30	.50	10.80
16	2.70	7.50	5.60	4.70	.00	28.70	31.30	17.20	3.90	11.40	1.70	11.30
17	3.00	6.50	7.10	4.90	.30	28.80	31.80	17.70	3.40	10.30	3.50	11.30
18	4.00	5.60	8.10	5.00	.90	29.00	32.00	17.70	3.40	9.80	5.70	11.00
19	5.80	5.00	9.10	5.10	1.50	29.00	32.30	17.30	3.60	9.60	8.00	10.60
20	7.70	4.50	9.70	5.40	2.30	29.20	32.20	16.40	4.30	9.00	9.50	10.50
21	9.80	4.00	9.60	5.60	3.60	29.20	32.40	15.40	4.70	8.40	11.00	10.60
22	11.20	3.50	9.00	5.40	5.30	29.00	32.00	14.20	4.40	8.40	12.40	11.50
23	11.50	3.20	8.60	5.40	7.00	28.90	31.40	12.80	3.80	8.30	13.30	13.20
24	11.00	2.90	8.00	5.20	8.20	28.50	29.80	11.60	3.00	8.00	13.80	14.70
25	9.80	2.80	7.60	5.20	8.90	28.00	27.60	10.50	3.30	7.50	14.10	15.60
26	8.30	2.70	7.00	5.50	9.00	27.20	24.80	10.00	3.90	6.80	14.10	16.00
27	7.10	2.50	6.40	5.50	8.80	26.40	22.00	9.60	4.30	6.00	13.70	16.40
28	6.20	2.20	6.00	5.30	8.40	25.40	---	9.20	4.60	5.70	13.00	16.60
29	5.80	1.80	5.50	5.20	---	24.50	17.60	8.80	5.00	5.80	12.00	16.70
30	5.80	1.50	4.80	5.10	---	24.40	16.80	8.30	6.30	6.30	10.90	16.70
31	6.20	---	4.40	4.90	---	25.00	---	8.00	---	5.00	9.70	---
MEAN	5.08	6.72	5.26	4.08	2.91	23.94	---	14.25	4.98	10.42	7.04	10.94
MAX	11.50	11.00	9.70	5.60	9.00	29.20	---	17.70	7.80	14.90	14.10	16.70
MIN	.20	1.50	1.40	2.00	-.80	8.30	---	8.00	3.00	5.00	.40	6.40

CAL YR 1976 MEAN 14.96 MAX 33.60 MIN .10
 WTR YR 1977 MEAN --- MAX 32.40 MIN -.80

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	175000	305000	204000	252000	277000	347000	777000	501000	308000	343000	290000	334000
2	183000	317000	212000	243000	267000	354000	783000	499000	305000	377000	281000	334000
3	194000	330000	221000	235000	258000	372000	790000	499000	299000	407000	272000	333000
4	205000	345000	221000	234000	249000	453000	806000	500000	295000	432000	266000	328000
5	219000	357000	219000	234000	241000	550000	812000	502000	293000	451000	263000	318000
6	229000	375000	234000	253000	231000	642000	815000	490000	289000	463000	256000	309000
7	238000	385000	240000	253000	222000	700000	814000	486000	274000	467000	247000	301000
8	243000	391000	244000	252000	210000	734000	806000	482000	265000	465000	232000	292000
9	240000	391000	248000	241000	203000	765000	798000	475000	262000	461000	221000	288000
10	237000	391000	248000	249000	202000	794000	797000	468000	259000	460000	208000	289000
11	245000	387000	248000	256000	203000	818000	823000	467000	258000	457000	200000	298000
12	242000	381000	248000	274000	202000	841000	840000	463000	258000	442000	188000	320000
13	235000	368000	249000	278000	200000	858000	870000	461000	258000	426000	185000	340000
14	222000	352000	256000	280000	194000	875000	893000	473000	255000	405000	178000	357000
15	219000	335000	274000	283000	203000	876000	915000	503000	244000	382000	197000	369000
16	221000	320000	303000	286000	209000	877000	943000	524000	236000	370000	220000	377000
17	231000	301000	335000	290000	217000	878000	966000	537000	225000	357000	255000	376000
18	251000	284000	344000	290000	226000	879000	979000	534000	228000	352000	295000	371000
19	288000	269000	351000	292000	238000	878000	980000	518000	237000	347000	330000	365000
20	329000	255000	355000	296000	253000	876000	967000	489000	253000	334000	358000	363000
21	368000	259000	354000	299000	279000	872000	943000	465000	267000	324000	393000	367000
22	397000	229000	349000	288000	308000	870000	928000	435000	258000	323000	407000	390000
23	396000	227000	356000	293000	350000	869000	896000	405000	241000	320000	426000	425000
24	382000	225000	324000	290000	346000	865000	850000	380000	226000	312000	436000	462000
25	349000	224000	312000	291000	354000	839000	738000	363000	233000	302000	441000	483000
26	320000	223000	305000	296000	355000	807000	688000	353000	244000	284000	441000	494000
27	303000	216000	295000	295000	352000	763000	618000	346000	252000	270000	429000	497000
28	291000	211000	288000	290000	348000	723000	565000	339000	259000	264000	410000	499000
29	286000	208000	279000	289000	---	693000	510000	331000	272000	257000	384000	500000
30	287000	201000	271000	287000	---	666000	505000	322000	303000	282000	363000	487000
31	294000	---	261000	284000	---	719000	---	317000	---	295000	344000	---
TOTAL	8319000	9042000	8626000	8423000	7182000	23055000	24387000	13927000	7856000	11431000	9414000	11266000
MEAN	268400	301400	278500	271700	256500	743700	812900	449300	261900	368700	303700	375500
MAX	397000	391000	355000	299000	355000	879000	980000	537000	308000	467000	441000	500000
MIN	175000	201000	204000	252000	199000	347000	505000	317000	225000	257000	178000	288000
AC-FT	16500000	17930000	17110000	16710000	14250000	45730000	48370000	27620000	15580000	22670000	18670000	22350000

CAL YR 1976 TOTAL 174759000 MEAN 477500 MAX 1016000 MIN 170000 AC-FT 346600000
 WTR YR 1977 TOTAL 142928000 MEAN 391600 MAX 980000 MIN 175000 AC-FT 283500000

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued
(National stream-quality accounting network station)

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: Maximum daily, 482 micromhos Sept. 19, 1976; minimum daily, 259 micromhos Jan. 13, 1976.

WATER TEMPERATURES: Maximum daily, 31.0°C July 1415, 1977; minimum daily, 0.0°C Jan. 1527, Feb. 12, 1977.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 510 micromhos Nov. 18, 1974; minimum, 181 micromhos May 3, 1973.

WATER TEMPERATURES: Maximum, 30.0°C Aug. 28 Sept. 5, 1975; minimum, 4.0°C Jan. 15, 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOC- CI FECAL, KF AGAR (COLS. 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
OCT 04...	1200	490000	300	7.7	23.0	75	6.2	800	550	120	41
NOV 01...	1000	399000	330	7.8	17.5	40	7.8	420	750	150	34
DEC 05...	1100	770000	250	7.8	10.0	160	8.9	K890	1700	100	28
JAN 04...	1100	720000	270	7.3	3.5	65	11.1	860	610	140	54
FEB 03...	1400	758000	278	7.1	1.5	60	11.4	760	500	120	44
MAR 07...	1130	458000	330	6.8	5.5	150	10.9	K230	870	130	33
MAR 28...	1130	1220000	293	5.6	6.5	130	11.2	--	6800	120	46
MAY 05...	1100	830000	370	7.7	13.0	150	8.2	>6000	>10000	150	53
JUN 13...	1200	605000	383	7.9	23.0	130	6.0	K370	K50	150	46
JUL 11...	1300	480000	410	7.8	31.0	70	5.7	820	K200	170	55
AUG 01...	1100	423000	404	7.9	30.0	60	5.5	700	K19	170	25
SEP 06...	1030	345000	417	8.0	27.5	20	6.5	1300	K94	160	41

DATE	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)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)
OCT 04...	33	9.9	20	25	.8	4.1	100	0	82	3.2
NOV 01...	40	12	17	19	.6	3.6	140	0	110	3.6
DEC 05...	29	7.8	11	18	.5	3.0	93	0	76	2.4
JAN 04...	38	12	12	15	.4	3.1	110	0	90	8.8
FEB 03...	33	8.6	11	17	.4	2.4	90	0	74	11
MAR 07...	36	10	20	24	.8	2.7	120	0	98	30
MAR 28...	34	8.0	15	21	.6	3.0	88	0	72	354
MAY 05...	41	12	12	14	.4	3.0	120	0	98	3.8
JUN 13...	43	11	16	18	.6	3.4	130	0	110	2.6
JUL 11...	43	14	21	21	.7	3.4	--	--	110	--
AUG 01...	43	14	17	18	.6	3.6	--	--	140	--
SEP 06...	43	13	24	24	.8	4.0	--	--	120	--

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

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)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)
OCT										
04...	46	24	.1	6.5	215	193	.29	1.0	.02	--
NOV										
01...	50	17	.2	7.3	230	216	.31	1.5	.01	--
DEC										
05...	32	10	.1	6.6	156	145	.21	1.0	.02	--
JAN										
04...	44	17	.1	7.2	219	188	.30	.08	.10	--
FEB										
03...	36	12	.1	6.5	149	154	.20	1.1	.17	.52
MAR										
07...	44	24	.1	6.9	215	203	.29	1.1	.19	.51
28...	38	19	.1	6.6	169	167	.23	1.5	.13	1.1
MAY										
05...	47	17	.1	6.8	232	198	.32	2.0	.04	1.1
JUN										
13...	44	20	.1	5.7	244	207	.33	1.6	.09	1.4
JUL										
11...	57	26	.2	5.1	283	236	.38	1.9	.01	.89
AUG										
01...	50	17	.2	7.4	248	236	.34	1.8	.00	1.1
SEP										
06...	66	18	.2	3.6	265	244	.36	.53	.00	.65

DATE	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)
OCT										
04...	--	--	.37	--	--	.33	.07	--	7600	272
NOV										
01...	--	--	.47	--	--	.20	.08	10	14000	172
DEC										
05...	--	--	.37	--	--	.31	.05	11	--	313
JAN										
04...	--	--	.49	--	--	.22	.05	--	1100	254
FEB										
03...	.69	.16	.53	1.8	7.9	.20	.04	4.0	--	301
MAR										
07...	.70	.09	.61	1.8	8.0	.17	.04	5.9	--	277
28...	1.2	.36	.84	2.7	12	.33	.06	--	920	524
MAY										
05...	1.1	.59	.51	3.1	14	.40	.05	9.0	--	349
JUN										
13...	1.5	.68	.82	3.1	14	.33	.07	9.5	1900	330
JUL										
11...	.90	.13	.77	2.8	12	.25	.09	--	4400	186
AUG										
01...	1.1	.57	.53	2.9	13	.24	.17	7.7	11000	223
SEP										
06...	.65	.17	.48	1.2	5.2	.13	.07	6.3	10000	165

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	ARSENIC TOTAL (UG/L AS AS)		ARSENIC SUS- PENDED TOTAL (UG/L AS AS)		BARIIUM, TOTAL RECOV- ERABLE (UG/L AS BA)		BARIIUM, SUS- PENDED RECOV- ERABLE (UG/L AS BA)		BARIIUM, DIS- SOLVED (UG/L AS BA)		CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)		CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)		CADMIUM DIS- SOLVED (UG/L AS CD)		CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)		CHRO- MIUM, SUS- PENDED RECOV- ERABLE (UG/L AS CR)	
	AS	AS	AS	AS	AS	BA	AS	BA	AS	BA	AS	CD	AS	CD	AS	CD	AS	CR	AS	CR
OCT 04...	1		0		1	100	0		100		0	0	0	0	0		20		16	
JAN 04...	4		3		1	0	0		0		1	0	0	1		<10		<10		
MAR 28...	3		2		1	100	100		0		1	0	0	1		30		30		
JUL 11...	1		0		1	0	0		0		0	0	0	0		1	10		10	

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)		COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)		COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)		COPPER, DIS- SOLVED (UG/L AS CU)		IRON, TOTAL RECOV- ERABLE (UG/L AS FE)		IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)		IRON, DIS- SOLVED (UG/L AS FE)	
	AS	CR	AS	CU	AS	CU	AS	CU	AS	FE	AS	FE	AS	FE
OCT 04...	4		3		3	0	22	14	8	6500	--		10	
JAN 04...	0		3		3	0	10	7	3	5200	--		50	
MAR 28...	0		0		0	0	11	8	3	8400	--		60	
JUL 11...	0		3		3	0	7	5	2	6400	6400		0	

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)		LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)		MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)		MANGA- NESE, SUS- PENDED RECOV- ERABLE (UG/L AS MN)		MANGA- NESE, DIS- SOLVED (UG/L AS MN)		MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)		MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)		MERCURY DIS- SOLVED (UG/L AS HG)		SELE- NIUM, TOTAL (UG/L AS SE)	
	AS	PB	AS	PB	AS	MN	AS	MN	AS	MN	AS	HG	AS	HG	AS	HG	AS	SE
OCT 04...	25		20		5	260	260		20		.5	.0	<.5		<.5		0	
JAN 04...	13		9		4	220	220		0		<.5	.0	<.5		<.5		1	
MAR 28...	11		6		5	300	280		20		<.5	.0	<.5		<.5		0	
JUL 11...	30		20		10	250	240		10		.5	.0	.5		.5		0	

DATE	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)		SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)		SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG)		ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)		ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)		ZINC, DIS- SOLVED (UG/L AS ZN)		CARBON, ORGANIC DIS- SOLVED (MG/L AS C)		CARBON, ORGANIC SUS- PENDED TOTAL (MG/L AS C)	
	AS	SE	AS	AG	AS	AG	AS	ZN	AS	ZN	AS	ZN	AS	C	AS	C
OCT 04...	0		0		0	0	0	60	50	10	4.6		1.7			
JAN 04...	1		0		0	0	0	50	40	10	2.6		--			
MAR 28...	0		0		1	1	0	50	40	10	7.8		1.0			
JUL 11...	0		1		0	0	0	20	10	10	7.0		2.2			

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued
 PHYTOPLANKTON ANALYSES, OCTOBER 1977 TO SEPTEMBER 1978

DATE TIME	OCT 4, 77 1200	NOV 1, 77 1000	JAN 4, 78 1100	MAR 28, 78 1130
TOTAL CELLS/ML	7600	14000	1100	920
DIVERSITY: DIVISION	1.5	1.6	0.5	1.0
..CLASS	1.5	1.6	0.5	1.0
...ORDER	2.0	1.7	0.5	1.6
...FAMILY	2.5	1.9	0.5	1.8
....GENUS	3.1	2.9	1.4	2.3

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
....CHLOROCOCCACEAE								
.....CHLOROCOCCUM	--	-	72	1	--	-	--	-
...COELASTRACEAE								
....COELASTRUM	--	-	--	-	--	-	--	-
...HYDRODICTYACEAE								
....PEDIASTRUM	--	-	--	-	--	-	--	-
...MICRACTINIACEAE								
....GULENKINIA	59	1	--	-	--	-	--	-
....MICRACTINIUM	--	-	--	-	--	-	80	9
...DOCYSTACEAE								
....ANKISTRUESMUS	59	1	500	4	--	-	40	4
....DICTYOSPHAERIUM	59	1	140	1	--	-	--	-
....KIRCHNERIFELLA	150	2	140	1	--	-	--	-
....DOCYSTIS	--	-	--	-	--	-	--	-
....TETRAEDRON	59	1	--	-	--	-	--	-
...SCENEDESMACEAE								
....ACTINASTRUM	--	-	--	-	--	-	--	-
....CRUCIGENIA	240	3	1000	7	--	-	--	-
....SCENEDESMUS	880	12	1300	9	--	-	--	-
....TETRASTRUM	120	2	--	-	--	-	--	-
...TETRASPORALES								
....TETRASPORACEAE								
....TETRASPORA	--	-	--	-	--	-	--	-
...VOLVOCALES								
...CHLAMYDOMONADACEAE								
....CHLAMYDOMONAS	--	-	--	-	--	-	--	-
...VOLVOCEAE								
....GONIUM	--	-	--	-	--	-	240#	26
....PANDORINA	--	-	--	-	--	-	--	-
...ZYGNEMATALES								
....DESMIDIACEAE								
....COSMARUM	--	-	--	-	--	-	--	-
CHRYSTOPHYTA								
..BACILLARIOPHYCEAE								
...CENTRALES								
....COSCINODISCACEAE								
.....COSCINODISCUS	--	-	--	-	--	-	--	-
....CYCLOTELLA	1100	15	1500	11	400#	38	300#	33
....MELOSIRA	770	10	1700	13	530#	50	200#	22
....SKELETONEMA	--	-	3500#	26	--	-	--	-
....STEPHANODISCUS	--	-	--	-	--	-	--	-
...PENNALES								
....ACHNANTHACEAE								
....COCCONEIS	59	1	--	-	--	-	--	-
....FRAGILARIACEAE								
....FRAGILARIA	--	-	140	1	--	-	--	-
....SYNEDRA	--	-	--	-	--	-	--	-
...GOMPHONEMATACEAE								
....GOMPHONEMA	--	-	--	-	--	-	20	2
...NAVICULACEAE								
....NAVICULA	88	1	--	-	--	-	--	-
...NITZSCHACEAE								
....NITZSCHIA	59	1	72	1	--	-	40	4
...CHRYSTOPHYCEAE								
...CHRYSOMONADALES								
...OCHROMONADACEAE								
....DINOBYRON	--	-	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)								
..CRYPTOPHYCEAE								
...CRYPTOMONADALES								
....CRYPTOMONADACEAE								
.....CRYPTOMONAS	--	-	72	1	--	-	--	-

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1977 TO SEPTEMBER 1978

DATE TIME	OCT 4, 77 1200		NOV 1, 77 1000		JAN 4, 78 1100		MAR 28, 78 1130	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM								
....ANACYSTIS	910	12	3500#	26				
....CUCCOCHLORIS	59	1						
...HORMOGONALES								
...NOSTOCACEAE								
....ANABAENA	290	4						
....NOSTOC	59	1						
...OSCILLATORACEAE								
....LYNGBYA								
....OSCILLATORIA	2500#	33						
EUGLENOPHYTA (EUGLENOIDS)								
..EUGLENOPHYCEAE								
...EUGLENALFS								
...EUGLENACEAE								
....EUGLENA					130	13		
....TRACHELOMONAS			72	1				
PYRRHOPHYTA (FIRE ALGAE)								
..DINOPHYCEAE								
...PERIDINIALES								
...GLENODINIACEAE								
....GLENODINIUM								

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1977 TO SEPTEMBER 1978

DATE TIME	JUN 13, 78 1200	JUL 11, 78 1300	AUG 1, 78 1100	SEP 6, 78 1030
TOTAL CELLS/ML	1900	4400	11000	10000
DIVERSITY: DIVISION	1.0	1.7	1.4	1.6
..CLASS	1.0	1.7	1.4	1.6
..ORDER	1.3	2.0	2.0	2.1
...FAMILY	2.1	2.6	2.2	2.3
....GENUS	2.6	3.5	3.1	2.8

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
....CHLOROCOCCACEAE								
....CHLOROCOCCUM	--	-	--	-	--	-	--	-
...COELASTRACEAE								
....COELASTRUM	--	-	360	8	--	-	--	-
...HYDRODICTYACEAE								
...PEDIASTRUM	540#	28	130	3	410	4	--	-
...MICRACTINIACEAE								
....GULFNKTNIA	--	-	--	-	--	-	--	-
...MICRACTINIUM	--	-	--	-	--	-	--	-
...OOCYSTACEAE								
...ANKISTRODESUS	45	2	--	-	*	0	*	0
...DICTYOSPHAERIUM	--	-	180	4	--	-	--	-
...KIRCHNERIELLA	--	-	89	2	*	0	--	-
...OOCYSTIS	180	9	44	1	210	2	--	-
...TETRAEDRON	--	-	--	-	*	0	--	-
...SCENEDESMACEAE								
...ACTINASTRUM	--	-	89	2	--	-	--	-
...CRUCIGENIA	--	-	--	-	--	-	--	-
...SCENEDESMUS	45	2	470	10	490	4	1100	11
...TETRASTRUM	180	9	220	5	410	4	--	-
..TETRASPORALES								
...TETRASPORACEAE								
....TETRASPORA	--	-	--	-	--	-	140	1
..VOLVOCALES								
...CHLAMYDOMONADACEAE								
...CHLAMYDOMONAS	--	-	110	2	77	1	--	-
...VOLVOCAEAE								
...GONIUM	--	-	--	-	--	-	--	-
...PANDORINA	--	-	--	-	--	-	1200	12
...ZYGNEMATALES								
...DESMIDIACEAE								
...COSMARUM	--	-	*	0	--	-	--	-
CHRYSOPHYTA								
..BACILLARIOPHYCEAE								
...CENTRALES								
...COSCINODISCACEAE								
....COSCINODISCUS	--	-	--	-	*	0	--	-
...CYCLOTELLA	310#	16	600	13	590	5	2400#	24
...MELOSIRA	540#	28	870#	19	1400	13	2300#	22
...SKELETONEMA	--	-	--	-	310	3	--	-
...STEPHANODISCUS	--	-	44	1	--	-	--	-
..PENNALES								
...ACHNANTHACEAE								
...COCCONEIS	--	-	--	-	--	-	--	-
...FRAGILIARIACEAE								
...FRAGILIARIA	--	-	--	-	--	-	--	-
...SYNEDRA	22	1	*	0	--	-	--	-
...GOMPHONEMACEAE								
...GOMPHONEMA	--	-	--	-	--	-	--	-
...NAVICULACEAE								
...NAVICULA	67	3	--	-	*	0	170	2
...NITZSCHACEAE								
...NITZSCHIA	22	1	44	1	150	1	--	-
..CHRYSOPHYCEAE								
...CHRYSOMONADALES								
...OCHROMONADACEAE								
...DINOBYRON	--	-	*	0	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)								
..CRYPTOPHYCEAE								
...CRYPTOMONADALES								
...CRYPTOMONADACEAE								
....CRYPTOMONAS	--	-	*	0	*	0	--	-

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1977 TO SEPTEMBER 1978

DATE TIME	JUN 13, 78 1200		JUL 11, 78 1300		AUG 1, 78 1100		SEP 6, 78 1030	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	--	-	--	-	3300#	30	--	-
....ANACYSTIS	--	-	--	-	1700#	16	280	3
....CICCUCHELOIDS	--	-	--	-	--	-	--	-
...HORMOGONALES								
...NOSTOCACEAE								
....ANABAENA	--	-	--	-	--	-	620	6
....NOSTOC	--	-	--	-	--	-	--	-
...OSCILLATORIACEAE								
....LYNGBYA	--	-	870#	19	--	-	--	-
....OSCILLATORIA	--	-	200	4	1600	15	1700#	17
EUGLENOPHYTA (EUGLENOIDS)								
..EUGLENOPHYCEAE								
...EUGLENALES								
....EUGLENACEAE								
....EUGLENA	--	-	*	0	--	-	69	1
....TRACHELOMONAS	--	-	*	0	--	-	--	-
PYRRHOPHYTA (FIRE ALGAE)								
..DINOPHYCEAE								
...PERIDINIALES								
....GLENODINIACEAE								
....GLENODINIUM	--	-	--	-	*	0	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	450	423	437	376	337	356	---	---	---
2	---	---	---	433	421	428	391	370	381	---	---	---
3	---	---	---	433	423	428	393	374	383	---	---	---
4	---	---	---	430	411	422	395	372	384	404	383	395
5	---	---	---	435	400	420	416	370	391	384	377	382
6	---	---	---	406	379	392	411	372	395	384	377	381
7	---	---	---	397	373	389	400	350	376	379	365	374
8	---	---	---	395	370	384	356	321	334	366	356	363
9	---	---	---	388	370	379	333	313	324	368	363	367
10	---	---	---	375	362	370	354	330	346	375	363	368
11	---	---	---	416	368	404	358	352	356	390	373	385
12	---	---	---	430	399	419	364	354	360	398	390	394
13	---	---	---	428	392	414	376	356	365	396	377	385
14	425	396	408	399	375	383	385	368	375	383	371	376
15	427	418	423	379	352	371	385	372	380	384	381	383
16	425	409	417	377	362	369	372	348	364	404	383	395
17	418	386	405	383	360	374	348	326	342	416	404	411
18	398	364	381	390	366	384	344	316	333	408	390	402
19	390	351	371	390	370	381	318	314	316	392	375	386
20	388	378	384	404	381	395	318	314	316	379	370	375
21	380	345	369	405	372	392	326	318	324	375	365	370
22	390	345	367	389	380	386	325	321	323	370	366	368
23	415	386	404	393	376	385	326	321	324	370	346	361
24	426	405	417	398	376	387	330	325	327	346	335	339
25	431	408	422	393	376	386	333	328	331	351	336	345
26	468	415	446	391	380	384	339	333	336	359	351	356
27	471	438	451	411	385	395	343	337	341	---	---	---
28	456	430	446	416	400	407	344	314	339	---	---	---
29	458	438	447	402	380	395	---	---	---	---	---	---
30	461	433	448	395	370	387	---	---	---	---	---	---
31	---	---	---	389	368	378	---	---	---	---	---	---

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
1	24.5	23.0	24.5	18.0	17.5	17.5	10.0	10.0	10.0	4.0	4.0	4.0
2	24.5	24.5	24.5	17.5	17.0	17.5	10.0	10.0	10.0	4.0	4.0	4.0
3	24.0	23.5	24.0	17.0	16.5	17.0	10.0	9.5	9.5	4.0	3.5	3.5
4	23.5	23.0	23.0	16.5	16.5	16.5	10.0	9.5	10.0	3.5	3.5	3.5
5	23.0	22.5	23.0	17.0	16.0	16.5	10.0	10.0	10.0	3.5	3.5	3.5
6	22.5	22.5	22.5	17.0	17.0	17.0	10.0	9.0	9.5	4.0	3.5	3.5
7	22.5	22.0	22.0	17.5	17.0	17.5	9.0	8.0	8.5	4.5	4.0	4.0
8	22.0	22.0	22.0	18.0	17.5	17.5	9.0	8.0	8.5	4.5	4.5	4.5
9	---	---	---	18.0	17.5	18.0	9.0	8.0	8.5	4.5	4.0	4.0
10	---	---	---	17.5	16.5	17.0	8.0	7.5	8.0	4.5	3.5	4.0
11	---	---	---	16.5	16.0	16.0	7.5	7.0	7.0	4.0	3.5	3.5
12	---	---	---	16.0	15.5	15.5	7.0	6.5	7.0	4.0	3.0	3.5
13	---	---	---	15.5	15.0	15.0	6.5	6.5	6.5	3.5	3.0	3.5
14	---	---	---	15.0	14.5	15.0	6.5	6.5	6.5	---	---	---
15	---	---	---	15.0	14.5	14.5	6.5	6.0	6.0	---	---	---
16	---	---	---	15.0	14.5	14.5	6.5	6.0	6.0	---	---	---
17	---	---	---	14.5	14.5	14.5	6.5	6.0	6.5	---	---	---
18	---	---	---	14.5	14.5	14.5	6.0	6.0	6.0	---	---	---
19	---	---	---	14.0	14.0	14.0	6.5	6.0	6.5	---	---	---
20	---	---	---	14.0	14.0	14.0	6.5	6.0	6.5	---	---	---
21	---	---	---	14.0	13.5	14.0	6.0	6.0	6.0	---	---	---
22	---	---	---	13.5	13.0	13.0	6.0	5.5	6.0	---	---	---
23	---	---	---	13.0	12.5	13.0	6.0	5.5	5.5	---	---	---
24	---	---	---	12.5	12.5	12.5	6.0	6.0	6.0	---	---	---
25	---	---	---	12.5	12.5	12.5	6.5	5.5	6.0	---	---	---
26	---	---	---	12.5	12.0	12.0	6.0	5.5	5.5	---	---	---
27	---	---	---	12.0	11.5	12.0	5.5	5.5	5.5	---	---	---
28	---	---	---	12.0	11.0	11.5	5.5	5.0	5.5	---	---	---
29	17.0	16.5	16.5	11.0	10.0	10.5	5.0	4.5	5.0	---	---	---
30	17.0	16.5	17.0	10.0	10.0	10.0	4.5	4.0	4.5	---	---	---
31	17.5	17.0	17.0	---	---	---	4.0	4.0	4.0	---	---	---

MISSISSIPPI RIVER MAIN STEM

07289000 MISSISSIPPI RIVER AT VICKSBURG, MS--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
	FEBRUARY			MARCH			APRIL			MAY		
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										21.5	20.5	20.5
26										21.0	20.5	20.5
27										21.5	21.0	21.5
28										22.0	21.5	22.0
29										22.5	22.0	22.0
30										---	---	---
31										---	---	---
	JUNE			JULY			AUGUST			SEPTEMBER		
1	---	---	---	27.5	27.0	27.5	31.0	29.5	30.0	---	---	---
2	---	---	---	28.5	27.5	28.0	31.5	30.0	31.0	---	---	---
3	---	---	---	28.5	27.5	28.0	31.5	30.5	31.0	---	---	---
4	---	---	---	28.5	27.5	28.0	31.5	30.5	31.0	---	---	---
5	---	---	---	29.0	27.5	28.5	30.5	29.5	30.5	---	---	---
6	---	---	---	29.0	28.5	29.0	30.5	29.0	30.0	---	---	---
7	---	---	---	30.0	28.5	29.5	30.5	29.5	30.0	28.5	28.0	28.0
8	---	---	---	30.5	29.0	30.0	30.0	29.0	29.5	28.5	28.0	28.5
9	---	---	---	30.5	30.0	30.0	29.0	28.0	28.5	29.0	28.5	29.0
10	---	---	---	30.0	29.5	30.0	28.5	28.0	28.5	29.0	28.5	29.0
11	---	---	---	31.5	29.5	30.5	28.5	28.0	28.0	29.0	29.0	29.0
12	---	---	---	31.5	29.5	31.0	28.0	27.5	28.0	29.0	28.5	29.0
13	---	---	---	32.0	30.5	31.5	29.0	27.5	28.0	28.5	28.0	28.5
14	24.0	23.0	23.5	31.5	31.0	31.0	27.5	27.0	27.5	28.5	28.0	28.0
15	24.0	23.0	23.5	31.0	30.0	30.5	27.5	26.5	27.0	28.0	27.5	27.5
16	24.5	23.5	24.0	30.0	29.0	29.5	27.0	26.5	27.0	28.0	27.5	28.0
17	24.5	23.5	24.0	30.5	29.5	30.0	28.0	27.0	27.0	28.0	28.0	28.0
18	24.0	23.0	23.5	30.5	30.0	30.5	28.0	27.0	27.5	28.0	27.5	28.0
19	---	---	---	30.5	29.0	30.0	28.0	27.0	27.5	28.0	27.5	28.0
20	24.5	24.5	24.5	31.0	30.5	30.5	28.0	27.5	28.0	28.5	28.0	28.0
21	25.5	24.0	25.0	31.0	29.0	30.0	28.5	28.0	28.5	29.0	28.0	28.5
22	25.5	24.0	24.5	30.5	29.0	30.0	28.5	28.0	28.5	29.0	28.5	28.5
23	26.0	24.5	25.5	30.5	29.5	30.0	29.0	28.0	28.5	28.5	28.0	29.0
24	26.0	25.0	25.5	31.0	30.0	30.5	---	---	---	27.5	27.0	27.5
25	26.0	25.0	25.5	31.0	30.5	30.5	---	---	---	27.0	27.0	27.0
26	26.5	25.0	26.0	31.0	30.0	30.5	---	---	---	27.0	26.5	26.5
27	27.0	26.0	26.5	31.5	30.5	31.0	---	---	---	---	---	---
28	27.0	26.5	27.0	31.5	30.5	31.0	---	---	---	---	---	---
29	28.0	27.0	27.5	31.5	30.5	31.0	---	---	---	---	---	---
30	28.0	27.0	27.5	31.5	30.5	31.0	---	---	---	---	---	---
31	---	---	---	31.5	30.5	31.0	---	---	---	---	---	---

07289350 BIG BLACK RIVER AT WEST, MS

LOCATION.--Lat 33°11'39", long 89°46'15", in NW¼ sec.3, T.15 N., R.5 E., Choctaw Meridian, Attala County, Hydrologic Unit 08060201, on downstream side of bridge on State Highway 19, 0.2 mi (0.3 km) east of West, 5.2 mi (8.4 km) upstream from Jordan Creek, and 7.1 mi (11.4 km) downstream from Zilpha Creek.

DRAINAGE AREA.--985 mi² (2,551 km²).

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 Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 249.74 ft (76.121 m) National Geodetic Vertical Datum of 1929 (levels by 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 (610 m) downstream at same datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--7 years, 1,625 ft³/s (46.021 m³/s), 22.40 in/yr (569 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 57,700 ft³/s (1,630 m³/s) Mar. 16, 1973, gage height, 25.11 ft (7.654 m); minimum, 40 ft³/s (1.13 m³/s) Sept. 16, 1972, gage height, 1.12 ft (0.341 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Mar. 30, 1951, reached a stage of 24.09 ft (7.343 m), 47,000 ft³/s (1,330 m³/s) at site about 2,000 ft (610 m) downstream.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 23,600 ft³/s (668 m³/s) May 9, gage height, 22.04 ft (6.718 m), only peak above base of 10,000 ft³/s (283 m³/s); minimum, 43 ft³/s (1.22 m³/s) Sept. 10, gage height, 1.64 ft (0.500 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1010	143	4070	766	2040	1670	427	1560	1280	165	98	66
2	978	143	3900	712	1430	1680	401	3630	1290	150	69	63
3	494	328	3340	579	1260	2120	378	3640	1370	138	66	59
4	258	680	2740	474	1190	2740	359	3620	1330	114	65	56
5	179	993	2310	417	1020	2960	343	3970	1190	110	63	54
6	141	1040	2030	433	838	2830	330	3200	731	150	57	52
7	119	997	1780	615	712	2420	316	4240	667	116	55	50
8	353	912	1390	795	632	2140	300	16300	1870	96	75	47
9	1920	522	1300	1800	586	1910	285	22600	2150	191	157	46
10	2230	411	411	1830	557	1920	277	21700	2160	191	155	44
11	2110	372	248	1800	535	2120	479	15800	2700	150	129	158
12	2650	299	223	2000	517	2150	746	10800	2710	129	113	137
13	3340	248	237	2310	1420	1950	668	8570	1500	114	204	105
14	2870	218	302	2110	1840	2870	486	6140	566	134	456	282
15	1240	201	490	1630	1600	4320	372	4370	392	870	355	344
16	392	210	1140	1310	1470	4170	316	3810	308	924	200	522
17	273	354	1300	2310	1030	6450	277	3250	263	870	130	385
18	224	544	1540	3320	742	6380	269	2170	235	450	101	227
19	194	643	1590	3170	640	4440	273	997	427	234	85	136
20	176	683	1660	3150	566	3090	265	980	961	195	76	93
21	161	948	1570	3570	523	1820	224	1180	795	183	77	72
22	150	1380	1390	3240	509	1000	197	1710	978	155	66	64
23	140	1520	959	2380	490	851	199	1480	989	150	60	60
24	133	2620	637	2000	473	757	237	1270	545	144	59	55
25	150	2770	539	2980	458	707	247	881	350	124	57	51
26	206	2470	516	4040	440	739	232	519	266	126	55	50
27	320	2200	482	4700	420	698	201	387	222	118	58	54
28	299	2020	428	6160	840	596	178	325	195	132	63	53
29	221	2080	394	5790	---	527	166	305	190	165	61	53
30	177	2740	421	4280	---	489	168	961	188	177	65	53
31	155	---	691	3140	---	451	---	1240	---	144	70	---
TOTAL	23263	30689	40028	73811	24778	68965	9616	151605	28818	7109	3400	3491
MEAN	750	1023	1291	2381	885	2225	321	4890	961	229	110	116
MAX	3340	2770	4070	6160	2040	6450	746	22600	2710	924	456	522
MIN	119	143	223	417	420	451	166	305	188	96	55	44
CFSM	.76	1.04	1.31	2.42	.90	2.26	.33	4.96	.98	.23	.11	.12
IN.	.88	1.16	1.51	2.79	.94	2.60	.36	5.73	1.09	.27	.13	.13
CAL YR 1977	TOTAL	458318	MEAN	1256	MAX	22500	MIN	42	CFSM	1.28	IN	17.31
WTR YR 1978	TOTAL	465573	MEAN	1276	MAX	22600	MIN	44	CFSM	1.30	IN	17.58

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MS

LOCATION.--Lat 32°20'51", long 90°41'48", in NW¼SE¼ 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 (90 m) upstream from Clear Creek, 0.4 mi (0.6 km) upstream from Illinois Central Railroad bridge, 2 mi (3 km) east of Bovina, 12 mi (19 km) upstream from Fourteenmile Creek, and at mile 61.7 (99.3 km). Records include flow of Clear Creek.

DRAINAGE AREA.--2,810 mi² (7,280 km²), approximately (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.

GAGE.--Water-stage recorder and supplemental nonrecording gage read twice daily. Datum of gage is 84.93 ft (25.887 m) National Geodetic Vertical Datum of 1929 or 85.00 ft (25.908 m) above mean Gulf level (levels by Corps of Engineers). Prior to Oct. 23, 1941, nonrecording gage at same site and datum.

REMARKS.--Records good.

AVERAGE DISCHARGE.--42 years, 3,565 ft³/s (101 m³/s); 17.23 in/yr (438 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 63,500 ft³/s (1,800 m³/s) Dec. 20, 1961, gage height, 40.53 ft (12.354 m); minimum, 65 ft³/s (1.84 m³/s) Oct. 2, 1954, gage height, 5.98 ft (1.823 m).

EXTREMES OUTSIDE PERIOD OF RECORD.--From information by local residents, floods at Askews Bridge, 6 mi (10 km) upstream, reached elevations NGVD as follows: Dec. 20, 1961, 139.2 ft (42.43 m); in 1912 and in January 1927, 139 ft (42.4 m); Apr. 1, 1951, 138.5 ft (42.21 m). A flood in May 1930, reached about the same elevation as that of Apr. 1, 1951, at Askews Bridge.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 29,000 ft³/s (821 m³/s) May 15, gage height, 38.14 ft (11.625 m); minimum, 208 ft³/s (5.891 m³/s) Sept. 12, 13, gage height, 6.85 ft (2.088 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1040	418	12300	1780	11900	1440	1340	2470	3060	694	322	1200
2	1360	453	12300	1790	12300	1790	1220	3680	3320	634	317	593
3	1810	493	12800	1700	11700	2220	1130	4510	2850	538	306	385
4	1390	606	14500	1570	10900	2600	1070	6780	2360	487	300	308
5	1330	1180	17100	1430	10200	2660	1000	7690	2220	460	303	275
6	1170	1690	18800	1290	9440	2760	940	7790	2140	447	286	256
7	877	1750	19000	1160	8190	3060	890	10100	2010	434	267	243
8	758	1850	18700	1350	4950	3780	848	11900	1910	434	303	236
9	2770	1870	18100	2230	2720	4280	823	12800	1770	542	267	228
10	2580	1660	17100	3040	2070	4580	794	13000	1760	593	251	218
11	1960	1380	15900	3640	1800	4600	1060	14100	2470	542	292	218
12	2470	1110	14600	3680	1630	4360	1030	17600	2730	470	385	210
13	2440	869	13500	3760	2640	3880	957	26100	2820	431	477	361
14	2590	726	12700	4130	3740	6250	1060	28200	2880	518	440	325
15	2560	638	10900	4520	4380	7570	1250	28600	3000	538	394	460
16	2720	568	8220	4670	4670	7630	1270	27500	2780	610	379	800
17	2880	507	5380	6050	4320	7570	1150	25500	1830	1600	355	470
18	2610	469	3940	6850	3510	7470	1040	22800	1180	1670	467	364
19	1680	490	3390	6820	2850	7470	970	19800	942	1420	525	409
20	978	469	3230	6790	2400	7650	794	17200	878	1190	460	501
21	694	3570	2990	6650	1970	7810	730	15300	1570	1010	412	508
22	565	7090	2700	6590	1650	7670	662	13700	1750	774	610	437
23	486	7250	2530	6590	1460	6940	626	12000	1660	649	434	373
24	444	7010	2430	8120	1340	6070	618	9680	1390	603	370	320
25	415	6720	2310	10600	1250	5390	890	6070	1280	518	334	280
26	387	6110	1900	11000	1200	3740	710	3880	1360	491	283	249
27	364	5600	1690	11000	1140	2350	626	2670	1160	428	251	233
28	350	5970	1400	11000	1140	1850	614	2090	914	397	233	228
29	338	8030	1300	11000	---	1670	572	1880	751	412	1240	228
30	347	11900	1520	11200	---	1570	587	1950	740	364	1810	228
31	372	---	1700	11400	---	1450	---	2300	---	334	1950	---
TOTAL	42735	88446	274930	173400	127460	140130	27271	379640	57485	20232	15023	11144
MEAN	1379	2948	8869	5594	4552	4520	909	12250	1916	653	485	371
MAX	2880	11900	19000	11400	12300	7810	1340	28600	3320	1670	1950	1200
MIN	338	418	1300	1160	1140	1440	572	1880	740	334	233	210
CFSM	.49	1.05	3.16	1.99	1.62	1.61	.32	4.36	.68	.23	.17	.13
IN.	.57	1.17	3.64	2.30	1.69	1.86	.36	5.03	.76	.27	.20	.15
CAL YR 1977 TOTAL	1479061	MEAN	4052	MAX	27600	MIN	197	CFSM	1.44	IN	19.58	
WTR YR 1978 TOTAL	1357896	MEAN	3720	MAX	28600	MIN	210	CFSM	1.32	IN	17.98	

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued
(National stream-quality accounting network station)

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 current year.

WATER TEMPERATURE: July 1975 to current year.

REMARKS.--Water temperature is determined by a local observer; also a water sample is collected for daily specific conductance.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 280 micromhos Sept. 13, 1976; minimum daily, 45 micromhos Mar. 13, 1977.

WATER TEMPERATURE: Maximum daily 32.0°C July 6, 1977; minimum daily, 2.0°C Jan. 19-20, 1977.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 336 micromhos Oct. 2, 1961; minimum, 44 micromhos Jan. 16, 1973.

WATER TEMPERATURE: Maximum, 29.5°C July 3, 1975; minimum, 6.5°C Jan. 16, 1973.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 340 micromhos Aug. 24; minimum daily, 40 micromhos Dec. 11.

WATER TEMPERATURES: Maximum daily, 32.0°C July 1, 2, 9; minimum daily, 3.0°C Jan. 21, Feb. 6.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NUNCAR- BONATE (MG/L CAC03)
OCT											
05...	1030	1340	65	7.2	21.5	200	5.7	1200	770	16	0
NOV											
01...	1300	421	134	7.4	20.0	4.0	6.6	K50	2900	39	3
DEC											
08...	1300	18800	60	7.2	9.0	120	9.2	2500	1300	10	0
JAN											
06...	1100	1290	98	7.3	7.5	50	12.5	200	470	39	8
FEB											
01...	1400	12100	63	7.2	4.0	130	10.6	250	400	20	8
MAR											
08...	1300	3850	95	7.3	9.5	200	10.2	390	3200	32	8
30...	0900	1580	143	6.8	14.5	55	8.9	K69	K190	46	9
MAY											
01...	1300	2970	139	7.1	19.0	400	7.3	K17000	>10000	41	0
JUN											
12...	1100	2800	75	6.5	26.0	220	6.6	550	500	20	3
JUL											
10...	1230	593	174	7.6	30.5	50	4.8	K110	K120	54	0
31...	1400	331	190	7.6	32.0	40	5.1	600	K120	51	0
SEP											
05...	1530	269	147	6.8	29.0	45	7.0	290	200	45	0

DATE	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)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT											
05...	3.7	1.7	5.6	36	.6	4.5	21	0	17	2.1	6.7
NOV											
01...	9.0	3.9	10	34	.7	2.5	43	0	35	2.7	8.0
DEC											
08...	2.5	.9	3.3	35	.5	2.6	13	--	11	1.3	5.9
JAN											
06...	8.9	4.0	11	36	.8	2.5	37	0	30	3.0	13
FEB											
01...	4.7	1.9	4.2	29	.4	2.4	14	0	11	1.4	8.9
MAR											
08...	7.2	3.5	6.5	29	.5	1.9	30	0	25	2.4	12
30...	11	4.4	12	35	.8	2.8	45	0	37	11	12
MAY											
01...	9.5	4.2	11	35	.7	2.4	53	0	43	6.7	9.0
JUN											
12...	4.6	2.0	4.7	31	.5	2.4	21	0	17	11	7.6
JUL											
10...	13	5.3	12	31	.7	2.6	--	--	57	--	7.8
31...	12	5.0	15	35	.9	8.6	--	--	57	--	9.6
SEP											
05...	11	4.3	10	30	.6	4.8	--	--	47	--	7.7

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	CHLOROPHYLL, DIS-SOLVED (MG/L AS CL)	FLUOROPHYLL, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	SOLIDS, DIS-SOLVED (TONS PER DAY)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)
OCT 05...	5.3	.1	7.7	64	46	.09	232	.56	.10	--	--
NOV 01...	8.9	.1	14	84	78	.11	95.5	.21	.04	--	--
DEC 08...	4.0	.0	5.7	56	31	.08	2840	.05	.13	--	--
JAN 06...	11	.1	14	100	83	.14	348	.16	.06	--	--
FEB 01...	4.9	.0	6.6	63	41	.09	2060	.18	.07	.82	.89
MAR 08...	5.4	.1	7.3	81	59	.11	842	.28	.10	.73	.83
30...	14	.1	13	88	92	.12	375	.14	.06	.73	.79
MAY 01...	10	.1	8.7	96	81	.13	770	.37	.08	1.6	1.7
JUN 12...	4.5	.1	8.4	72	45	.10	544	.49	.08	1.3	1.4
JUL 10...	15	.1	13	117	103	.16	187	.02	.00	.70	.70
31...	26	.1	11	146	122	.20	130	.20	.06	1.0	1.1
SEP 05...	9.7	.1	9.2	108	85	.15	78.4	.28	.03	.81	.84

DATE	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, DIS-SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTOPLANKTON, TOTAL (CELLS PER ML)	SEDIMENT, SUSPENDED (MG/L)	SEDIMENT, DISCHARGE, SUSPENDED (T/DAY)
OCT 05...	--	.91	--	--	.34	.09	--	5700	208	753
NOV 01...	--	.41	--	--	.13	.03	8.4	5400	78	89
DEC 08...	--	.49	--	--	.22	.06	10	--	601	30500
JAN 06...	--	.29	--	--	.15	.02	--	2400	75	261
FEB 01...	.00	.89	1.1	4.7	.20	.09	6.8	--	69	2250
MAR 08...	.01	.82	1.1	4.9	.25	.05	17	--	275	2860
30...	.00	.79	.93	4.1	.12	.02	--	2200	106	452
MAY 01...	.83	.87	2.1	9.2	.86	.06	7.9	--	1539	12300
JUN 12...	.45	.95	1.9	8.4	.51	.06	11	450	484	3660
JUL 10...	.00	.97	.72	3.2	.17	.04	--	64000	302	484
31...	--	--	1.3	5.8	.16	.04	8.3	29000	120	107
SEP 05...	.14	.70	1.1	5.0	.19	.07	5.2	20000	83	60

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDE RECOV- ERABLE (UG/L AS CR)
OCT 05...	1	0	1	100	0	100	0	0	0	20	11
JAN 06...	3	0	3	0	0	0	1	0	1	20	20
MAR 30...	2	1	1	100	100	0	7	0	7	30	30
JUL 10...	1	0	1	100	100	0	0	0	4	10	10

	CHROMIUM, DIS- SOLVED (UG/L AS CR)	COPPER, TOTAL RECOVERABLE (UG/L AS CO)	COPPER, SUS- PENDE RECOVERABLE (UG/L AS CO)	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOVERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOVERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOVERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
DATE									
OCT 05...	9	0	0	0	15	3	12	11000	-- 80
JAN 06...	0	0	0	0	6	1	5	4200	-- 360
MAR 30...	0	0	0	0	5	0	5	4200	-- 430
JUL 10...	0	0	0	0	6	1	5	3000	3000 50

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PH)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)
OCT 05...	22	13	9	270	260	10	<.5	.0	<.5	0
JAN 06...	8	5	3	250	70	180	<.5	.0	<.5	0
MAR 30...	8	0	8	220	60	160	<.5	.0	<.5	0
JUL 10...	7	6	1	320	220	100	.5	.0	.5	0

DATE	SFLE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)
OCT 05...	0	0	0	0	0	30	10	20	14	3.0
JAN 06...	0	0	0	0	0	20	0	20	7.6	.3
MAR 30...	0	0	1	0	1	20	0	20	5.3	.9
JUL 10...	0	0	0	0	0	10	10	0	20	.3

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1977 TO SEPTEMBER 1978

DATE TIME	OCT 5,77 1030	NOV 1,77 1300	JAN 6,78 1100	MAR 30,78 0900
TOTAL CELLS/ML	5700	5400	2400	2200
DIVERSITY: DIVISION	1.6	1.7	1.1	1.2
..CLASS	1.6	1.7	1.1	1.2
..ORDER	2.2	2.3	1.1	1.6
...FAMILY	2.7	2.7	2.0	2.6
....GENUS	3.0	3.2	2.6	0.0

ORGANISM	CELLS /ML	PFR- CENT	CELLS /ML	PFR- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
...OOCYSTACEAE	--	-	--	-	--	-	99	5
...CHARACIACEAE								
...SCHROEDERIA	--	-	--	-	--	-	--	-
...CHLOROCOCCACEAE								
...CHLOROCOCCUM	*	0	140	3	--	-	--	-
...COELASTRACEAE								
...COELASTRUM	--	-	--	-	--	-	--	-
...MICRACTINIACEAE								
...GOLENKINIA	--	-	--	-	110	4	--	-
...MICRACTINIUM	--	-	--	-	320	13	540#	25
...OOCYSTACEAE								
...ANKISTRODESMUS	230	4	440	8	67	3	40	2
...CHODATELLA	*	0	--	-	--	-	--	-
...DICTYOSPHAERIUM	91	2	--	-	54	2	480#	22
...FRANCEIA	--	-	--	-	--	-	--	-
...KIRCHNERIFLLA	91	2	92	2	*	0	--	-
...OOCYSTIS	--	-	*	0	--	-	--	-
...SELENASTRUM	--	-	--	-	530#	22	40	2
...TETRAEDRON	68	1	--	-	--	-	--	-
...SCENEDESMACEAE								
...ACTINASTRUM	91	2	180	3	--	-	--	-
...CRUCIGENIA	91	2	--	-	--	-	160	7
...SCENEDESMUS	590	10	1100#	21	280	12	60	3
...TETRASTRUM	--	-	--	-	--	-	--	-
...TETRASPORALES								
...PALMELLACEAE								
...GLOEOCYSTIS	--	-	--	-	--	-	--	-
...SPHAEROCYSTIS	--	-	--	-	--	-	--	-
...VOLVOCALES								
...CHLAMYDOMONADACEAE	--	-	--	-	--	-	80	4
...CHLAMYDOMONAS	--	-	--	-	--	-	--	-
...CHLOROGONIUM	--	-	--	-	--	-	20	1
...PHACOTACEAE								
...PTEROMONAS	--	-	--	-	--	-	--	-
...ZYGEMATALES								
...DESMIDIACEAE								
...STAUSTRUM	--	-	--	-	--	-	--	-
CHRYSOPHYTA								
..BACILLARIOPHYCEAE								
..CENTRALES								
...COSCINODISCACEAE								
...CYCLOTILLA	200	4	140	3	13	1	99	5
...MELOSIRA	--	-	140	3	--	-	--	-
..PENNALES								
...ACHNANTHACEAE								
...COCONEIS	91	2	--	-	--	-	--	-
...CYMBELLACEAE								
...CYMBELLA	--	-	--	-	--	-	--	-
...FRAGILARIACEAE								
...FRAGILARIA	--	-	180	3	--	-	--	-
...SYNEDRA	45	1	--	-	--	-	--	-
...GOMPHONEMACEAE								
...GOMPHONEMA	45	1	--	-	--	-	--	-
...NAVICULACEAE								
...GYROSTIGMA	--	-	*	0	*	0	--	-
...NAVICULA	160	3	69	1	*	0	--	-
...NITZSCHACEAE								
...NITZSCHIA	230	4	--	-	--	-	160	7
...SURIRELLACEAE								
...SURIRELLA	--	-	--	-	--	-	20	1
..XANTHOPHYCEAE								
...HETEROCOCCALES								
...CENTRITRACTACEAE								
...CENTRITRACTUS	--	-	--	-	--	-	--	-

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1977 TO SEPTEMBER 1978

DATE TIME	OCT 5,77 1030	NOV 1,77 1300	JAN 6,78 1100	MAR 30,78 0900				
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CRYPTOPHYTA (CRYPTOMONADS)								
..CRYPTOPHYCEAE								
...CRYPTOMONADALES								
....CRYPTOMONADACEAE								
.....CRYPTOMONAS	--	-	210	4	--	-	--	-
....CRYPTOCHRYSIDACEAE								
.....CHROOMONAS	68	1	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
....CHROOCOCCACEAE								
.....AGMENELLUM	--	-	--	-	--	-	--	-
.....ANACYSTIS	1100#	19	1200#	22	--	-	380#	17
....COCCOCHLORIS	--	-	230	4	--	-	--	-
...HORMOGONALES								
...NOSTOCACEAE								
....ANABAENA	--	-	--	-	--	-	--	-
....CYLINDROSPERMUM	--	-	--	-	--	-	--	-
...OSCILLATORIACEAE								
....LYNGBYA	--	-	--	-	87	4	--	-
...OSCILLATORIA	2300#	40	1100#	20	890#	37	--	-
...RIVULARIACEAE								
...RAPHIDIOPSIS	--	-	--	-	--	-	--	-
...CHROOCOCCALES								
....CHROOCOCCACEAE								
.....GOMPHOSPHAERIA	--	-	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)								
..EUGLENOPHYCEAE								
...EUGLENALES								
....EUGLENACEAE								
.....EUGLENA	45	1	--	-	*	0	20	1
.....PHACUS	--	-	--	-	--	-	--	-
....TRACHELOMONAS	45	1	140	3	13	1	--	-
PYRRHOPHYTA (FIRE ALGAE)								
..DINOPHYCEAE								
...GYMNODINIALES								
....GYMNODINIACEAE								
.....GYMNODINIUM	68	1	--	-	--	-	--	-
...PERIDINIALES								
....PERIDINIACEAE								
.....PERIDINTUM	--	-	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1977 TO SEPTEMBER 1978

DATE TIME	JUN 12,78 1100	JUL 10,78 1230	JUL 31,78 1400	SEP 5,78 1530
TOTAL CELLS/ML	450	64000	29000	20000
DIVERSITY: DIVISION	1.1	0.8	1.1	1.3
..CLASS	1.1	0.8	1.1	1.3
..ORDER	1.3	1.2	1.7	1.8
...FAMILY	2.1	1.4	2.1	2.4
....GENUS	2.3	2.5	3.3	3.0

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
....OOCYSTACEAE	--	-	--	-	--	-	--	-
...CHARACTACEAE								
....SCHROEDERIA	--	-	--	-	*	0	*	0
...CHLOROCOCCACEAE								
....CHLOROCOCCUM	--	-	--	-	--	-	--	-
...COELASTRACEAE								
....COELASTRUM	180#	40	--	-	--	-	--	-
...MICRACITINACEAE								
....GULENKINIA	--	-	--	-	--	-	--	-
...MICRACITNIUM	--	-	--	-	*	0	--	-
....OOCYSTACEAE								
...ANKISTRODESMUS	--	-	*	0	*	0	260	1
...CHODATELLA	--	-	--	-	--	-	--	-
...DICTYOSPHAERIUM	--	-	4400	7	2000	7	7300#	36
...FRANCEJA	--	-	--	-	--	-	*	0
...KIRCHNERIELLA	--	-	--	-	380	1	130	1
...OOCYSTIS	--	-	*	0	950	3	700	3
...SELENASTRUM	--	-	--	-	150	1	--	-
...TETRAEDRON	--	-	--	-	--	-	--	-
...SCENEDESMACEAE								
....ACTINASTRUM	--	-	3400	5	310	1	180	1
...CHUCIGENIA	--	-	790	1	920	3	620	3
...SCENEDESMUS	110#	25	1300	2	1400	5	1000	5
...TETRASTRUM	--	-	--	-	*	0	210	1
...TETRASPORALES								
...PALMELLACEAE								
...GLOEUCYSTIS	--	-	720	1	--	-	*	0
...SPHAEROCYSTIS	--	-	--	-	190	1	--	-
...VOLVOCALES								
...CHLAMYDOMONADACEAE	--	-	--	-	--	-	--	-
...CHLAMYDOMONAS	22	5	360	1	*	0	*	0
...CHLOROGONIUM	--	-	--	-	--	-	--	-
...PHACOTACEAE								
...PTEROMONAS	--	-	--	-	*	0	--	-
...ZYGNEMATALES								
...DESMIDIACEAE								
...STAUSTRUM	--	-	*	0	--	-	--	-
CHRYSIOPHYTA								
..BACILLARIOPHYCEAE								
...CENTRALES								
...COSCINODISCAEAE								
....CYCLOTELLA	--	-	*	0	340	1	230	1
...MELOSIRA	--	-	--	-	*	0	620	3
...PENNALES								
...ACHNANTHACEAE								
...COCCONEIS	--	-	--	-	--	-	--	-
...CYMBELLACEAE								
...CYMBELLA	22	5	--	-	--	-	--	-
...FRAGILARIACEAE								
...FRAGILARIA	--	-	--	-	--	-	--	-
...SYNEDRA	--	-	--	-	--	-	--	-
...GOMPHONEMATACEAE								
...GOMPHONEMA	--	-	--	-	--	-	--	-
...NAVICULACEAE								
...GYROSIGMA	22	5	--	-	--	-	--	-
...NAVICULA	67	15	--	-	--	-	--	-
...NITZSCHACEAE								
...NITZSCHIA	--	-	*	0	270	1	130	1
...SURIRELLACEAE								
...SURIRELLA	--	-	--	-	--	-	--	-
...XANTHOPHYCEAE								
...HETEROCOCCALES								
...CENTRITRACTACEAE								
...CENTRITRACTUS	--	-	--	-	*	0	--	-

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1977 TO SEPTEMBER 1978

DATE TIME	JUN 12, 78 1100		JUL 10, 78 1230		JUL 31, 78 1400		SEP 5, 78 1530	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CRYPTOPHYTA (CRYPTOMONADS)								
..CRYPTOPHYCEAE								
...CRYPTOMONADALES								
...CRYPTOMONADACEAE								
....CRYPTOMONAS	--	-	--	-	* 0		--	-
...CRYPTOCHRYSIDACEAE								
....CHROOMONAS	--	-	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	--	-	2600	4	2600	9	--	-
....ANACYSTIS	--	-	23000#	35	8100#	28	4300#	21
....CLOCCOCHLORIS	--	-	--	-	--	-	--	-
...HORMOGONALES								
...NOSTOCACEAE								
....ANABAEANA	--	-	--	-	--	-	470	2
....CYLINDROSPERMUM	--	-	--	-	2400	8	--	-
...OSCILLATORIACEAE								
....LYNGBYA	--	-	2200	3	--	-	--	-
...OSCILLATORIA	--	-	1800	3	1600	6	1400	7
...RIVULARIACEAE								
...RAPHIIDOPSIS	--	-	--	-	--	-	2200	11
...CHROOCOCCALES								
...CHROOCOCCACEAE								
...GOMPHOSPHAERIA	--	-	22000#	35	6700#	23	--	-
EUGLENOPHYTA (EUGLENOIDS)								
..EUGLENOPHYCEAE								
...EUGLENALES								
...EUGLENACEAE								
....EUGLENA	--	-	--	-	* 0		--	-
....PHACUS	--	-	--	-	--	-	* 0	
...TRACHFLOMONAS	22	5	* 0		310	1	160	1
PYRRHOPHYTA (FIRE ALGAE)								
..DINOPHYCEAE								
...GYMNODINIALES								
...GYMNODINIACEAE								
....GYMNODINIUM	--	-	--	-	--	-	--	-
...PERIDINIALES								
...PERIDINIACEAE								
....PERIDINIUM	--	-	--	-	* 0		--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

BIG BLACK RIVER BASIN

07290000 BIG BLACK RIVER NEAR BOVINA, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	61	104	53	125	57	160	142	182	90	112	145	72
2	65	102	48	112	68	162	140	105	90	128	140	77
3	110	61	46	120	66	149	147	100	---	129	150	100
4	80	110	46	122	65	150	149	105	95	151	150	108
5	70	115	45	120	---	109	152	78	94	139	---	118
6	70	119	44	115	65	97	154	73	89	142	160	138
7	68	101	41	115	71	86	152	100	83	147	160	140
8	68	96	43	120	100	100	152	77	85	---	160	142
9	65	86	42	128	102	95	152	75	86	150	160	150
10	100	81	41	128	110	95	152	67	102	155	170	162
11	75	85	40	107	118	91	160	67	91	192	170	179
12	86	82	43	90	125	109	205	60	70	160	170	178
13	---	83	46	93	142	100	180	61	66	158	165	174
14	50	86	62	90	135	121	175	54	64	160	160	141
15	48	90	71	87	150	102	160	50	57	145	155	148
16	46	94	76	90	100	81	150	46	63	145	145	152
17	47	99	94	95	85	73	140	46	66	150	140	230
18	47	100	91	84	97	68	132	46	85	115	140	128
19	58	107	90	74	97	67	150	45	98	85	130	139
20	68	107	89	73	100	68	148	53	110	85	110	141
21	72	110	---	66	107	67	152	56	115	84	110	122
22	75	92	95	70	114	64	310	61	108	78	105	152
23	80	75	85	70	121	68	158	72	102	92	95	102
24	87	68	83	76	130	67	155	85	98	85	340	95
25	89	---	95	79	130	85	160	102	108	88	130	100
26	96	64	90	71	138	115	178	88	100	102	110	108
27	100	60	95	65	140	120	175	86	84	110	110	110
28	105	56	105	61	148	129	170	95	86	114	120	118
29	115	---	105	65	---	130	188	95	94	135	135	120
30	115	---	125	60	---	130	190	91	96	140	140	123
31	108	---	126	58	---	140	---	104	---	145	95	---

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.0	20.0	12.0	8.0	4.0	10.0	19.0	21.5	21.0	32.0	29.0	24.5
2	26.0	20.0	12.0	7.0	4.0	10.0	18.0	19.0	21.0	32.0	29.0	24.5
3	23.0	19.0	13.0	6.0	3.5	9.5	19.0	20.5	---	31.0	31.5	27.0
4	22.0	18.5	14.0	6.0	4.0	8.0	20.5	18.5	21.5	30.5	30.0	25.0
5	21.5	17.5	16.0	7.0	---	7.0	21.0	17.0	20.0	30.0	---	25.5
6	22.0	---	13.0	10.0	3.0	8.0	21.0	18.0	20.0	30.0	29.5	26.5
7	21.5	18.0	12.0	11.5	4.0	10.0	21.5	20.0	20.0	31.0	28.0	26.5
8	23.0	17.5	12.0	11.5	3.5	10.0	22.5	20.0	20.0	---	28.5	26.5
9	21.0	18.5	11.0	8.5	3.5	9.0	22.5	20.0	19.0	32.0	28.0	26.5
10	21.0	16.5	9.5	7.5	4.0	8.5	22.5	20.0	17.5	31.5	27.5	29.0
11	20.0	14.5	8.0	6.0	4.5	8.5	21.0	21.0	20.0	30.5	27.5	28.0
12	18.0	14.5	8.5	6.5	5.5	9.5	19.5	21.0	19.0	30.5	28.0	27.5
13	---	14.0	9.0	5.5	8.0	10.5	19.0	21.0	18.5	30.5	28.5	27.0
14	16.0	13.0	9.5	4.5	7.5	12.0	19.5	20.5	17.5	30.0	28.0	26.0
15	16.0	13.0	10.0	3.5	8.0	14.5	20.0	20.5	17.0	28.5	28.0	25.0
16	18.0	14.5	11.0	4.0	8.0	13.5	20.0	20.0	18.5	28.0	28.0	25.0
17	13.5	16.0	12.5	4.0	8.0	13.5	21.0	21.0	17.5	29.0	28.5	26.0
18	14.5	14.5	11.0	4.0	7.5	14.0	22.0	21.0	18.0	27.5	29.0	26.0
19	17.0	15.0	11.5	4.0	6.0	14.5	21.0	22.0	18.0	27.0	29.5	26.5
20	17.0	16.0	12.0	3.5	6.0	15.0	19.0	21.5	17.5	29.0	29.0	27.0
21	18.5	17.0	10.0	3.0	6.5	16.0	19.5	22.0	18.0	29.0	28.5	27.5
22	17.5	16.0	9.0	4.0	5.5	15.5	22.0	21.5	16.5	29.0	29.0	28.0
23	17.5	16.0	11.5	5.0	6.5	17.0	21.5	22.0	16.5	28.5	29.0	27.0
24	19.5	16.0	12.0	5.0	8.5	11.5	21.0	22.0	17.0	28.0	28.5	26.0
25	19.5	---	9.5	7.5	8.5	16.5	21.5	23.0	16.5	28.5	28.5	24.5
26	19.0	11.0	9.0	6.0	8.5	14.5	19.5	22.0	16.0	29.0	30.0	25.0
27	18.0	13.0	7.5	5.5	8.5	14.0	20.0	23.0	16.0	28.5	28.5	24.5
28	18.5	14.0	7.5	5.0	10.0	13.5	19.5	23.0	16.0	28.5	28.5	24.0
29	18.5	13.5	8.0	4.5	---	14.0	21.5	22.5	17.5	29.0	26.0	24.0
30	18.5	---	8.0	4.5	---	15.0	22.0	22.5	16.5	30.0	24.0	23.5
31	19.5	---	8.0	4.0	---	16.0	---	21.0	---	29.5	24.0	---

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 right bank at downstream side of bridge on county highway, 1.4 mi (2.3 km) upstream from South Fork Bayou Pierre, and 1.7 mi (2.7 km) southeast of Willows.

DRAINAGE AREA.--653 mi² (1,691 km²).

PERIOD OF RECORD.--Annual maximums, water years 1959-61. June 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is 82.34 ft (25.096 m) National Geodetic Vertical Datum of 1929. Sept. 9, 1958, to May 31, 1961, crest-stage gage at same site and datum.

REMARKS.--Records fair.

AVERAGE DISCHARGE.--17 years, 835 ft³/s (23.65 m³/s), 17.36 in/yr (441 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 51,000 ft³/s (1,440 m³/s) Apr. 13, 1974, gage height, 27.33 ft (8.330 m); maximum gage height, 27.42 ft (8.358 m) Oct. 5, 1964; minimum discharge, 19 ft³/s (0.54 m³/s) Oct. 6, 1969; minimum gage height, 2.17 ft (0.661 m) Nov. 4, 5, 6, 1971.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 15,000 ft³/s (425 m³/s) and maximum (*);

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Nov. 30	2015	26000 736	24.51 7.471	May 13	1315	18400 521	21.47 6.544
Apr. 18	1815	19500 552	21.98 6.700	Aug. 29	2245	18900 535	21.71 6.617
May 8	1300	*40300 1140	26.36 8.035				

Minimum discharge, 54 ft³/s (1.53 m³/s) Aug. 6; minimum gage height 2.77 ft (0.844 m) Nov. 1.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	150	60	14000	649	2500	910	195	1770	420	120	103	802
2	500	88	3900	416	2000	514	222	590	400	98	91	326
3	350	640	1650	302	1000	436	218	9180	770	90	74	230
4	250	462	824	244	700	367	210	7630	983	450	63	182
5	220	2020	617	216	540	300	206	2280	360	250	57	154
6	210	1320	480	213	500	267	200	920	286	170	55	135
7	250	544	373	213	450	534	198	8740	244	180	73	170
8	700	303	305	1120	410	1440	196	33600	240	165	63	119
9	300	250	399	1340	380	662	194	17600	254	150	72	106
10	280	215	530	730	360	436	190	3810	206	170	211	102
11	376	190	476	380	340	348	2290	1740	180	170	188	103
12	483	170	314	302	2000	297	2990	3860	164	140	202	95
13	514	150	961	314	7180	317	1670	14500	156	130	220	108
14	196	135	5630	311	2040	10200	770	4780	144	120	338	142
15	146	125	2320	275	920	3290	454	2480	135	110	128	257
16	130	115	1240	310	617	1850	314	1150	126	105	110	698
17	112	106	793	580	495	757	254	865	119	100	86	270
18	98	98	748	450	433	534	13100	752	115	94	70	160
19	88	98	468	380	380	436	3670	640	122	90	61	117
20	81	106	354	450	338	376	878	550	308	88	277	97
21	90	5440	294	500	314	335	510	520	168	86	739	86
22	85	8460	242	400	283	305	383	500	122	85	223	79
23	79	2030	213	310	264	270	308	470	108	210	117	75
24	73	716	204	450	252	326	270	440	102	200	84	70
25	70	418	743	1000	244	476	1100	420	98	170	69	68
26	78	324	522	4500	676	499	757	410	92	150	61	66
27	78	255	264	2000	640	288	392	400	90	145	58	64
28	82	1440	202	1000	680	252	240	390	90	140	55	73
29	70	2630	367	500	---	228	216	838	90	170	9740	91
30	65	22600	2190	450	---	213	220	500	100	135	7120	78
31	62	---	1330	450	---	204	---	440	---	106	2300	---
TOTAL	6266	51508	42953	20755	26936	27667	32815	122765	6792	4587	23108	5123
MEAN	202	1717	1386	670	962	892	1094	3960	226	148	745	171
MAX	700	22600	14000	4500	7180	10200	13100	33600	983	450	9740	802
MIN	62	60	202	213	244	204	190	390	90	85	55	64
CFSM	.31	2.63	2.12	1.03	1.47	1.37	1.68	6.06	.35	.23	1.14	.26
IN.	.36	2.93	2.45	1.18	1.53	1.58	1.87	6.99	.39	.26	1.32	.29

CAL YR 1977 TOTAL 399267 MEAN 1094 MAX 29200 MIN 48 CFSM 1.68 IN 22.75
WTR YR 1978 TOTAL 371275 MEAN 1017 MAX 33600 MIN 55 CFSM 1.56 IN 21.15

HOMOCHITTO RIVER BASIN

07291000 HOMOCHITTO RIVER AT EDDICETON, MS

LOCATION.--Lat 31°30'10", long 90°46'35", in SE¼NE¼ sec.11, T.6 N., R.4 E., Washington Meridian, Franklin County, Hydrologic Unit 08060205, on left bank at upstream side of Illinois Central Gulf Railroad bridge, 900 ft (270 m) downstream from bridge on U.S. Highway 84, 0.4 mi (0.6 km) upstream from McCall Creek, and 0.8 mi (1.3 km) east of Eddiceton.

DRAINAGE AREA.--180 mi² (470 km²), approximately.

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

REVISED RECORDS.--WSP 1281: 1939-40, 1942-44, 1949-50.

GAGE.--Water-stage recorder. Datum of gage is 217.22 ft (66.209 m) National Geodetic Vertical Datum. Prior to May 26, 1942, nonrecording gage at site 900 ft (270 m) upstream at present datum.

REMARKS.--Records good, except for periods of doubtful or missing gage-height record Jan. 7 to Feb. 15 and May 23 to July 24, which are poor.

AVERAGE DISCHARGE.--40 years, 257 ft³/s (7.278 m³/s), 19.39 in/yr (493 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 55,400 ft³/s (1,570 m³/s) Apr. 13, 1974, gage height, 19.53 ft (5.95 m); minimum discharge, 26 ft³/s (0.74 m³/s) Sept. 10, 1952 (temporary regulation); minimum unregulated, 28 ft³/s (0.79 m³/s) Sept. 2, 4, 1954, Sept. 29, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 9,000 ft³/s (255 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Nov. 30	0245	21,100	598	13.83	4.215	Aug. 29	1330	15000	425	10.56	3.219
May 7	--	*43,500	1230	17.52	5.340						

Minimum daily discharge, 45 ft³/s (1.27 m³/s) Aug. 26, 27.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	67	61	1170	170	1500	220	154	125	86	92	60	166
2	81	125	482	138	900	185	151	658	150	76	59	125
3	160	244	301	122	450	176	151	796	350	71	56	103
4	83	113	224	115	320	160	149	460	320	138	54	92
5	70	911	182	110	280	151	146	292	200	144	53	84
6	65	301	149	108	250	151	143	206	120	84	52	78
7	64	138	130	105	230	210	141	16700	100	96	53	74
8	64	103	120	450	210	292	138	10200	180	100	53	73
9	1470	95	217	300	200	196	135	1110	160	90	103	69
10	213	83	189	170	190	173	135	401	100	80	377	69
11	504	76	130	140	180	163	1320	253	105	90	98	69
12	416	72	115	120	170	157	736	1410	95	85	90	69
13	127	70	532	110	2500	189	449	1020	90	75	78	76
14	93	70	1620	105	800	2640	315	377	84	72	86	86
15	81	70	361	100	350	556	220	217	84	70	86	74
16	74	69	248	95	224	350	179	169	84	95	60	86
17	69	67	210	300	199	260	160	166	86	90	54	78
18	67	65	179	150	192	228	292	249	82	80	56	69
19	64	65	160	200	182	217	220	152	80	70	52	64
20	62	69	146	250	176	206	157	136	78	65	49	62
21	62	1100	135	260	170	203	143	122	76	62	50	60
22	62	1160	127	200	160	196	135	225	74	60	50	59
23	61	287	125	150	160	185	130	150	74	90	49	59
24	62	176	127	200	154	526	127	130	74	80	50	57
25	117	138	132	3000	157	449	166	120	80	117	47	57
26	87	120	117	2000	658	248	173	110	76	82	45	57
27	67	110	113	700	269	210	138	100	74	92	45	57
28	64	706	108	350	220	192	135	95	67	146	60	64
29	61	2120	350	250	---	176	122	90	67	105	7180	64
30	61	10500	574	200	---	166	122	88	90	74	1150	60
31	61	---	248	300	---	160	---	86	---	64	284	---
TOTAL	4659	19284	9021	10968	11451	9591	6882	36413	3386	2735	10639	2260
MEAN	150	643	291	354	409	309	229	1175	113	88.2	343	75.3
MAX	1470	10500	1620	3000	2500	2640	1320	16700	350	146	7180	166
MIN	61	61	108	95	154	151	122	86	67	60	45	57
CFSM	.83	3.57	1.62	1.97	2.27	1.72	1.27	6.53	.63	.49	1.91	.42
IN.	.96	3.99	1.86	2.27	2.37	1.98	1.42	7.53	.70	.57	2.20	.47

CAL YR 1977 TOTAL 118181 MEAN 324 MAX 10500 MIN 50 CFSM 1.80 IN 24.42
WTR YR 1978 TOTAL 127289 MEAN 349 MAX 16700 MIN 45 CFSM 1.94 IN 26.31

07292500 HOMOCHITTO RIVER AT ROSETTA, MS

LOCATION (REVISED).--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 on downstream side of Illinois Central Railroad bridge, 800 ft (240 m) upstream from State Highway 33 at Rosetta, 0.8 mi (1.3 km) downstream from Foster Creek, and 4.0 mi (6.4 km) upstream from Dry Creek.

DRAINAGE AREA.--750 mi² (1,940 km²), approximately.

WATER-DISCHARGE RECORD

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 Corps of Engineers, Vicksburg district.

REVISED RECORDS.--WSP 1731: 1955 (M). WSP 1920: 1955.

GAGE.--Water-stage recorder; nonrecording gage read twice daily at site 800 ft downstream. Datum of gage is 94.39 ft (28.770 m) National Geodetic Vertical Datum of 1929. June 16 to Nov. 12, 1906, nonrecording gage at present site at different datum; February 1949 to November 1976, at State Highway 33 bridge 800 ft (240 m) downstream at same datum.

REMARKS.--Records poor.

AVERAGE DISCHARGE.--27 years, 1,064 ft³/s (30.13m³/s), 19.27 in/yr (489 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 150,000 ft³/s (4,250 m³/s) Apr. 13, 1974, from rating curve extended above 47,000 ft³/s (1,330 m³/s); maximum gage height, 36.03 ft (10.982 m) May 4, 1953; minimum discharge, 129 ft³/s (3.65 m³/s) Sept. 22-25, 28-30, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since February 1949, 37.80 ft (11.521 m) Mar. 31, 1949, from reports of Corps of Engineers, Vicksburg district.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 16,000 ft³/s (453 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Nov. 30	0345	*100100 2830	23.52 7.169	May 8	--	76500 2170	21.01 6.404
Jan. 24	--	23200 657	16.05 4.892	Aug. 29	1640	42200 1200	18.40 5.608
Feb. 1	--	19700 558	15.50 4.724				

^aObserved.

Minimum daily discharge, 291 ft³/s (8.24 m³/s) July 21, Sept. 25, 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	365	336	5970	813	9420	752	534	469	584	528	364	1310
2	370	736	2640	637	7120	693	522	475	1880	399	355	837
3	573	1210	1950	540	3330	584	516	1330	7400	359	350	644
4	495	810	1650	487	2210	546	498	3080	3500	336	350	565
5	395	1890	1400	475	1560	553	486	1260	1220	767	345	510
6	370	1450	1030	464	1200	522	486	707	722	481	399	486
7	360	736	788	458	945	584	486	19800	578	415	404	420
8	355	573	687	1460	821	962	469	36100	1090	389	379	410
9	1010	550	674	1740	782	767	458	9530	686	404	374	404
10	1210	517	687	813	737	637	480	4240	522	355	1060	399
11	550	484	674	617	686	565	3280	2790	486	364	672	425
12	1150	478	667	604	665	534	4500	5750	469	384	469	447
13	628	473	1060	672	3720	546	2580	4740	464	350	604	486
14	435	467	4480	651	2060	8330	1480	3080	453	331	2960	516
15	385	467	2640	624	1110	2130	928	1730	436	469	759	486
16	370	467	1490	624	902	1450	767	1310	425	559	591	767
17	350	462	1110	1820	782	1050	658	1670	431	404	510	686
18	350	445	861	1590	707	886	1020	4500	436	331	469	522
19	355	445	782	1130	679	790	1110	1720	425	309	447	399
20	355	473	651	1620	637	722	658	1090	404	304	447	369
21	355	2410	516	1130	610	679	572	894	384	291	453	350
22	355	5020	522	988	578	617	546	2730	384	304	442	331
23	355	1210	487	1260	553	591	510	1170	404	861	425	322
24	360	803	436	14400	534	1760	486	752	394	498	425	304
25	395	674	431	14200	534	2990	534	665	384	447	436	296
26	495	615	453	6430	1530	1120	665	546	369	399	431	291
27	405	597	389	2890	1270	782	510	486	345	486	425	291
28	360	1250	399	1730	790	665	475	464	336	829	458	296
29	350	4990	464	1160	---	624	442	672	336	578	14700	327
30	341	51700	2560	954	---	584	458	597	350	447	8470	322
31	336	---	1320	1290	---	572	---	425	---	394	2500	---
TOTAL	14538	82738	39868	64271	46472	34587	27114	114772	26297	13772	41473	14218
MEAN	469	2758	1286	2073	1660	1116	904	3702	877	444	1338	474
MAX	1210	51700	5970	14400	9420	8330	4500	36100	7400	861	14700	1310
MIN	336	336	389	458	534	522	442	425	336	291	345	291
CFSM	.63	3.68	1.72	2.76	2.21	1.49	1.21	4.94	1.17	.59	1.78	.63
IN.	.72	4.10	1.98	3.19	2.31	1.72	1.34	5.69	1.30	.68	2.06	.71

CAL YR 1977	TOTAL	460253	MEAN	1261	MAX	67100	MIN	264	CFSM	1.68	IN	22.83
WTR YR 1978	TOTAL	520120	MEAN	1425	MAX	51700	MIN	291	CFSM	1.90	IN	25.80

HOMOCHITTO RIVER BASIN

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water year 1958-59, 1967-68, 1970-71, 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 1975 to current year.

WATER TEMPERATURE: February 1975 to current year.

REMARKS.--Water temperature is determined by a local observer; also a water sample is collected for daily specific conductance.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 159 micromhos Nov. 5, 1975; minimum daily, 20 micromhos June 8, 1975.

WATER TEMPERATURES: Maximum daily, 35.0°C Aug. 1, 4, 9, 1976; minimum daily 6.0°C, Jan. 17, 1977.

EXTREMES OUTSIDE PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 300 micromhos July 29, 1970; minimum 45 micromhos Oct. 8, 1969, Jan. 9, 1975.

WATER TEMPERATURE: Maximum, 33.0°C, Sept. 9, 1970; minimum, 7.0°C Jan. 11, 1967.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 180 micromhos Oct. 4, Aug. 5; minimum, 23 micromhos Nov. 30.

WATER TEMPERATURE: Maximum daily, 35.0°C on many days during summer; minimum daily, 4.0°C Jan. 20.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	COLI- FORM, FFCAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FFCAL, KF AGAR (COLS. PER CAC03)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
OCT											
05...	1400	380	83	7.5	23.0	25	7.6	K140	K31	13	5
31...	1300	340	85	7.4	24.0	30	7.7	K100	K160	14	0
NOV											
23...	1300	1200	42	7.1	16.5	60	7.8	600	K220	11	6
JAN											
05...	1300	490	55	6.3	10.5	5.0	9.8	K57	200	13	2
FEB											
07...	1300	1000	65	7.0	6.5	7.0	11.4	K38	K44	11	0
MAR											
09...	1100	770	92	7.5	10.5	25	10.1	K860	470	13	6
29...	1430	620	110	6.3	15.0	15	8.7	370	K81	12	0
MAY											
04...	1400	3700	66	6.5	17.0	200	8.6	--	K24000	9	4
JUN											
14...	1230	440	97	7.3	29.0	7.0	5.2	300	--	16	2
JUL											
13...	1100	360	90	7.6	31.0	15	5.7	210	K46	14	0
AUG											
02...	1400	350	100	7.6	33.0	4.0	5.2	660	400	17	4
SEP											
07...	1700	420	84	6.9	30.0	15	5.8	580	1300	12	0

DATE	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)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)
OCT											
05...	3.1	1.3	11	60	1.3	2.4	10	0	8	.5	2.2
31...	3.5	1.3	9.7	56	1.1	2.0	20	0	16	1.3	2.2
NOV											
23...	2.7	1.1	5.6	44	.7	3.5	7	0	6	.9	5.0
JAN											
05...	3.1	1.2	8.0	54	1.0	1.5	13	0	11	10	2.9
FEB											
07...	2.7	1.1	6.7	53	.9	1.2	15	0	12	2.4	4.1
MAR											
09...	3.1	1.3	11	62	1.3	1.2	9	0	7	.5	3.8
29...	2.8	1.2	11	64	1.4	1.3	16	0	13	13	4.0
MAY											
04...	2.1	.8	6.6	57	1.0	1.9	6	0	5	3.0	4.8
JUN											
14...	3.9	1.4	10	55	1.1	1.7	--	--	14	--	2.8
JUL											
13...	3.5	1.3	9.8	57	1.1	1.6	--	--	14	--	2.6
AUG											
02...	4.3	1.6	12	57	1.3	1.8	--	--	13	--	1.8
SEP											
07...	2.9	1.2	9.6	58	1.2	2.2	--	--	12	--	3.7

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)
OCT											
05...	18	.0	13	56	56	.08	57.5	.12	.04	--	--
31...	14	.0	14	59	57	.08	54.2	.00	.01	--	--
NOV											
23...	8.0	.1	8.7	38	38	.05	123	.11	.17	--	--
JAN											
05...	12	.0	14	54	49	.07	71.4	.09	.01	--	--
FEB											
07...	9.8	.0	13	47	46	.06	127	.11	.01	.21	.22
MAR											
09...	17	.0	11	54	53	.07	112	.12	.03	.16	.19
29...	17	.0	14	68	59	.09	114	.06	.01	.08	.09
MAY											
04...	11	.0	7.0	58	37	.08	579	.19	.07	.90	.97
JUN											
14...	16	.0	14	70	57	.10	83.2	.03	.01	.53	.54
JUL											
13...	17	.0	15	76	59	.10	73.9	.01	.02	.41	.43
AUG											
02...	18	.0	6.5	74	54	.10	69.9	.04	.11	.18	.29
SEP											
07...	15	.0	14	69	56	.09	78.2	.00	.00	.25	.25

DATE	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)
OCT										
05...	--	.28	--	--	.06	.01	--	13000	124	127
31...	--	.00	--	--	.02	.01	7.6	1900	98	90
NOV										
23...	--	.86	--	--	.13	.03	12	--	245	794
JAN										
05...	--	.08	--	--	.02	.01	--	210	82	108
FEB										
07...	.00	.24	.33	1.5	.03	.01	7.0	--	480	1300
MAR										
09...	.02	.17	.31	1.4	.04	.00	7.7	--	109	227
29...	.02	.07	.15	.66	.02	.00	--	110	58	97
MAY										
04...	.18	.79	1.2	5.1	.25	.05	8.9	--	685	6840
JUN										
14...	.21	.33	.57	2.5	.05	.00	8.7	3400	237	282
JUL										
13...	.11	.32	.44	1.9	.03	.00	--	3100	227	221
AUG										
02...	.00	.29	.33	1.5	.03	.01	4.9	1700	40	38
SEP										
07...	.05	.20	.25	1.1	.03	.02	2.3	4900	29	33

HOMOCHITTO RIVER BASIN

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDE RECOV- ERABLE (UG/L AS CR)
OCT 05...	0	0	0	0	0	0	0	0	0	10	2
JAN 05...	5	4	1	0	0	0	2	0	2	30	30
MAR 29...	0	0	0	0	0	0	0	0	0	40	40
JUL 13...	0	0	0	0	0	0	3	0	6	10	10

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	CORALT, TOTAL RECOV- ERABLE (UG/L AS CO)	CORALT, SUS- PENDE RECOV- ERABLE (UG/L AS CO)	CORALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 05...	8	0	0	0	5	0	5	1900	--	170
JAN 05...	0	0	0	0	6	2	4	1100	--	90
MAR 29...	0	0	0	0	3	3	0	1500	--	60
JUL 13...	0	5	5	0	7	2	5	1500	1500	10

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	SELE- NIUM, TOTAL (UG/L AS SE)
OCT 05...	15	7	8	100	40	60	<.5	.0	<.5	0
JAN 05...	6	1	5	160	10	150	<.5	.0	<.5	0
MAR 29...	0	0	0	80	0	80	<.5	.0	<.5	0
JUL 13...	28	16	12	90	20	70	.5	.0	.5	1

DATE	SFLE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE TOTAL (MG/L AS C)
OCT 05...	0	0	0	0	0	20	0	20	11	.7
JAN 05...	0	0	0	0	0	20	10	10	4.7	.2
MAR 29...	0	0	0	0	0	10	0	10	13	1.2
JUL 13...	1	0	0	0	0	10	0	10	40	1.0

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued
PHYTOPLANKTON ANALYSFS, OCTOBER 1977 TO SEPTEMBER 1978

DATE TIME	OCT 5,77 1400	OCT 31,77 1300	JAN 5,78 1300	MAR 29,78 1430				
TOTAL CELLS/ML	13000	1900	210	110				
DIVERSITY: DIVISION	1.6	1.7	0.9	0.5				
..CLASS	1.6	1.7	0.9	0.5				
...ORDER	2.2	2.0	0.9	1.1				
...FAMILY	3.2	2.6	2.4	1.5				
....GENUS	3.5	2.9	2.4	2.2				
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
....CHARACIACEAE								
....SCHROEDERIA	--	-	--	-	--	-	14	13
...CHLOROCOCCACEAE								
....CHLOROCOCCUM	100	1	20	1	--	-	--	-
....DESMATRACUM	*	0	--	-	--	-	--	-
...COELASTRACEAE								
....COELASTRUM	--	-	--	-	--	-	--	-
...HYDRODICTYACEAF								
....PEDIASTRUM	400	3	--	-	--	-	--	-
...MICHACTINIACEAE								
....GULENKINIA	150	1	--	-	--	-	--	-
...NOCTYIACEAE								
....ANKISTRODESMUS	600	5	20	1	--	-	--	-
....CHODATELLA	--	-	--	-	19	9	--	-
...DICTYOSPHAERIUM	--	-	92	5	--	-	--	-
....KIRCHNERIELLA	550	4	100	5	--	-	41#	38
...NOCTYSTIS	*	0	--	-	--	-	--	-
...SELENASTRUM	*	0	--	-	--	-	27#	25
...TETRAEDRON	*	0	31	2	--	-	--	-
...SCENEDESMACEAE								
....CRUCIGENTIA	200	2	81	4	--	-	--	-
...SCENEDESMUS	1600	13	61	3	--	-	--	-
...TETRASPORALES								
...COCCOMYXACEAE								
....ELAKATOTHRIX	--	-	--	-	--	-	--	-
...PALMELLACEAE								
....SPHAEROCYSTIS	200	2	--	-	--	-	--	-
...TETRASPORACEAE								
....TETRASPORA	--	-	--	-	--	-	--	-
...VOLVOCALES								
...CHLAMYDOMONADACEAF								
...CHLAMYDOMONAS	--	-	--	-	--	-	--	-
...PHACOTACEAE								
....PHACOTUS	--	-	--	-	--	-	--	-
...ZYGNEMATALES								
...DESMIDIACEAE								
...CLOSTERIUM	--	-	20	1	--	-	--	-
...CUSMARIUM	--	-	--	-	--	-	14	13
...STAUSTRUM	--	-	--	-	--	-	--	-
CHRYSDOPHYTA								
..BACILLARIOPHYCEAE								
...CENTRALES								
...COSCINODISCACEAE								
....CYCLOTELLA	*	0	92	5	--	-	--	-
...MELOSIRA	100	1	--	-	--	-	--	-
...PENNALES								
...ACHNANTHACEAE								
....ACHNANTHES	100	1	10	1	--	-	--	-
...COCCONEIS	--	-	10	1	--	-	--	-
...CYMBELLACEAE								
....CYMBELLA	100	1	--	-	19	9	--	-
...EUNOTIACEAE								
....EUNOTIA	*	0	10	1	--	-	--	-
...FRAGILARIACEAE								
....ASTFRIONELLA	--	-	--	-	--	-	--	-
...FRAGILARIA	150	1	41	2	--	-	--	-
...SYNEDRA	*	0	10	1	--	-	--	-
...GOMPHONEMACEAE								
....GOMPHONEMA	150	1	--	-	37#	18	--	-
...NAVICULACEAE								
....NAVICULA	800	6	200	10	75#	36	14	13
...PINNULARIA	--	-	--	-	--	-	--	-
...NITZSCHACEAE								
....NITZSCHIA	650	5	130	7	37#	18	--	-
...TABELLARIACEAE								
....TABELLARIA	--	-	--	-	--	-	--	-
...XANTHOPHYCEAE								
..HETEROCOCCALES								
...CHLOROTHYCEAE								
....PHILOCYTUM	--	-	--	-	--	-	--	-

HOMOCHITTO RIVER BASIN

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued
 PHYTOPLANKTON ANALYSIS, OCTOBER 1977 TO SEPTEMBER 1978

DATE TIME	OCT 5,77 1400		OCT 31,77 1300		JAN 5,78 1300		MAR 29,78 1430	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CRYPTIOPHYTA (CRYPTOMONADS)								
..CRYPTOPHYCEAE								
...CRYPTOMONADALES								
....CRYPTOMONADACEAE								
.....CRYPTOMONAS	--	-	81	4	19	9	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROCOCCALES								
....CHROCOCCACEAE								
.....AGMENELLUM	--	-	--	-	--	-	--	-
.....ANACYSTIS	4300#	34	920#	47	--	-	--	-
....COCCOCHLORIS	--	-	--	-	--	-	--	-
...HORMOGONALES								
....NOSTOCACEAE								
.....ANABAENA	1000	8	--	-	--	-	--	-
....OSCILLATORIACEAE								
.....OSCILLATORIA	800	6	--	-	--	-	--	-
...CHROCOCCALES								
....CHROCOCCACEAE								
.....DACTYLOCOCCOPSIS	--	-	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENIIDS)								
..EUGLENOPHYCEAE								
...EUGLENALES								
....EUGLENACEAE								
.....EUGLENA	*	0	--	-	--	-	--	-
....LEPOCINCLIS	150	1	--	-	--	-	--	-
....TRACHELOMONAS	*	0	10	1	--	-	--	-
PYRRHOPHYTA (FIRE ALGAE)								
..DINOPHYCEAE								
...PERIDINIALES								
....CERATIACEAE								
.....CERATIUM	*	0	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued
PHYTOPLANKTON ANALYSES, OCTOBER 1977 TO SEPTEMBER 1978

DATE TIME	JUN 14, 78 1230	JUL 13, 78 1100	AUG 2, 78 1400	SEP 7, 78 1700
TOTAL CELLS/ML	3400	3100	1700	4900
DIVERSITY: DIVISION	0.6	1.3	0.8	1.2
..CLASS	0.6	1.3	0.8	1.2
...ORDER	1.8	1.7	1.5	1.8
...FAMILY	2.4	2.0	2.5	2.3
...GENUS	2.9	2.2	3.0	2.7

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
...CHARACIACEAE								
...SCHROEDERIA	--	-	--	-	--	-	*	0
...CHLOROCOCCACEAE								
...CHLOROCOCCUM	--	-	--	-	--	-	--	-
...DESMATRACIUM	--	-	--	-	--	-	--	-
...COELASTRACEAE								
...COELASTRUM	--	-	--	-	91	5	--	-
...HYDRODICTYACEAE								
...PEDIASTRUM	--	-	--	-	--	-	--	-
...MICRACIINIACEAE								
...GULENKINIA	22	1	--	-	*	0	--	-
...OOCYSTACEAE								
...ANKISTRODESMUS	510#	15	130	4	110	6	1200#	24
...CHODATELLA	--	-	--	-	--	-	--	-
...DICTYOSPHAERIUM	--	-	--	-	190	12	--	-
...KIRCHNERIELLA	110	3	--	-	--	-	--	-
...OUCYSTIS	--	-	--	-	--	-	--	-
...SELENASTRUM	130	4	--	-	--	-	--	-
...TETRAEDRON	--	-	--	-	27	2	*	0
...SCENEDESMACEAE								
...CRUCIGENIA	180	5	--	-	64	4	310	6
...SCENEDESMUS	940#	27	1500#	48	650#	39	880#	18
...TETRASPORALES								
...COCCOMYXACEAE								
...ELAKATOTHRIX	--	-	*	0	--	-	--	-
...PALMELLACEAE								
...SPHAEROCYSTIS	960#	28	--	-	21	1	230	5
...TETRASPORACEAE								
...TETRASPORA	--	-	--	-	210	13	--	-
...VOLVOCALES								
...CHLAMYDOMONADACEAE								
...CHLAMYDOMONAS	160	5	*	0	--	-	--	-
...PHACOTACEAE								
...PHACOTUS	--	-	--	-	*	0	--	-
...ZYGNEMATALES								
...DESMIDIACEAE								
...CLOSTERIUM	--	-	--	-	--	-	--	-
...COSMARIUM	--	-	29	1	--	-	--	-
...STAUSTRUM	45	1	--	-	--	-	--	-
CHRYSTOPHYTA								
..BACILLARIOPHYCEAE								
...CENTRALES								
...COSCINODISCEACEAE								
...CYCLOTELLA	67	2	--	-	*	0	77	2
...MELOSTRA	--	-	--	-	--	-	--	-
...PENNALES								
...ACHNANTHACEAE								
...ACHNANTHES	--	-	--	-	--	-	--	-
...COCCONEIS	--	-	--	-	--	-	--	-
...CYMBELLACEAE								
...CYMBELLA	--	-	--	-	--	-	--	-
...EUNOTIACEAE								
...EUNOTIA	--	-	--	-	--	-	--	-
...FRAGILARIACEAE								
...ASTERIONELLA	--	-	88	3	--	-	--	-
...FRAGILARIA	--	-	--	-	--	-	--	-
...SYNEDRA	--	-	--	-	--	-	96	2
...GOMPHONEMATAACEAE								
...GOMPHONEMA	--	-	--	-	--	-	--	-
...NAVICULACEAE								
...NAVICULA	89	3	*	0	*	0	38	1
...PINNULARIA	--	-	29	1	--	-	--	-
...NITZSCHACEAE								
...NITZSCHIA	110	3	29	1	43	3	*	0
...TABELLARIACEAE								
...TABELLARIA	--	-	*	0	--	-	--	-
...XANTHOPHYCEAE								
...HETEROCOCCALES								
...CHLOROTHECIACEAE								
...OPHIOCYTIUM	--	-	--	-	11	1	--	-

HOMOCHITTO RIVER BASIN

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued
 PHYTOPLANKTON ANALYSIS, OCTOBER 1977 TO SEPTEMBER 1978

DATE TIME	JUN 14,78 1230		JUL 13,78 1100		AUG 2,78 1400		SEP 7,78 1700	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CRYPTOPHYTA (CRYPTOMONADS)								
..CRYPTOPHYCEAE								
...CRYPTOMONADALES								
....CRYPTOMONADACEAE								
....CRYPTOMONAS	89	3	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
....CHROOCOCCACEAE								
....AGMENELLUM	--	-	880#	29	43	3	1500#	31
....ANACYSTIS	--	-	180	6	--	-	170	4
....CUCCOCHLORIS	--	-	--	-	21	1	--	-
...HORMOGONALES								
....NOSTOCACEAE								
....ANABAENA	--	-	--	-	--	-	--	-
...OSCILLATORIACEAE								
....OSCILLATORIA	--	-	180	6	64	4	290	6
...CHROOCOCCALES								
....CHROOCOCCACEAE								
....DACTYLOCOCCOPSIS	--	-	--	-	91	5	--	-
EUGLENOPHYTA (EUGLENOIDS)								
..EUGLENOPHYCEAE								
...EUGLENALES								
....EUGLENACEAE								
....EUGLENA	--	-	*	0	--	-	*	0
....LEPOCINCLIS	--	-	--	-	--	-	--	-
....TRACHELUMONAS	--	-	--	-	--	-	--	-
PYRRHOPHYTA (FIRE ALGAE)								
..DINOPHYCEAE								
...PERIDINIALES								
....CERATIACEAE								
....CERATIUM	--	-	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07292500 HOMOCHITTO RIVER AT ROSETTA, MS--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	69	70	---	69	38	74	81	90	80	92	99	52
2	73	59	48	75	30	71	61	90	79	80	90	55
3	70	91	46	72	40	73	81	87	34	75	100	68
4	180	86	59	75	47	76	82	65	38	81	165	72
5	84	87	65	75	51	79	84	95	52	65	180	76
6	83	51	54	72	55	82	80	110	62	74	82	76
7	80	60	68	76	58	85	85	100	66	62	102	78
8	87	66	---	138	60	97	85	43	59	78	102	80
9	38	66	72	86	60	80	88	46	62	75	100	100
10	43	66	70	81	62	85	89	44	70	78	57	80
11	50	74	65	79	62	99	121	43	---	79	62	80
12	45	71	68	80	64	91	51	70	75	83	75	93
13	55	70	65	78	60	90	59	66	75	80	70	73
14	65	72	45	75	55	42	62	47	85	82	34	83
15	73	71	48	72	---	48	75	59	85	80	60	78
16	74	71	56	72	60	51	75	---	86	---	73	80
17	73	70	60	115	62	55	75	65	82	71	78	73
18	73	72	65	70	63	59	68	53	82	81	89	65
19	73	74	65	40	64	60	67	---	82	89	90	73
20	73	73	68	61	67	---	81	58	82	97	96	80
21	71	55	70	70	70	64	85	70	82	90	96	87
22	74	47	72	68	---	---	90	50	82	---	100	83
23	73	50	72	71	---	68	79	53	82	---	119	83
24	71	55	72	55	74	72	94	73	80	62	94	83
25	72	58	75	30	73	110	93	76	83	71	100	85
26	66	59	74	32	63	68	72	77	85	80	98	85
27	66	61	75	40	73	63	81	78	85	88	99	85
28	71	72	72	47	71	67	87	80	85	60	100	87
29	71	27	66	52	---	88	83	77	83	65	28	115
30	73	23	74	56	---	85	92	80	84	82	27	95
31	71	---	71	62	---	80	---	---	---	89	43	---

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
AM VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30.0	23.0	---	---	---	15.0	30.0	30.0	33.0	30.0	33.0	30.0
2	32.0	20.0	17.0	---	---	15.0	27.0	25.0	30.0	33.0	35.0	32.0
3	24.0	28.0	16.0	---	---	10.0	27.0	21.0	25.0	34.0	34.0	30.0
4	23.0	17.0	18.0	---	---	10.0	25.0	21.0	30.0	32.0	34.0	32.0
5	24.0	19.0	20.0	12.0	---	13.0	26.0	18.0	30.0	30.0	33.0	32.0
6	25.0	18.0	14.0	16.0	---	14.0	28.0	25.0	26.0	28.0	32.0	32.0
7	25.0	21.0	---	13.0	10.0	16.0	27.0	25.0	30.0	34.0	32.0	31.0
8	26.0	22.0	---	13.0	10.0	15.0	30.0	25.0	30.0	32.0	34.0	25.0
9	25.0	20.0	---	10.0	9.0	11.0	28.0	27.0	31.0	35.0	34.0	28.0
10	20.0	15.0	---	9.0	10.0	15.0	25.0	28.0	25.0	33.0	34.0	32.0
11	23.0	14.0	---	9.0	17.0	23.0	18.0	20.0	---	34.0	30.0	20.0
12	18.0	16.0	---	7.0	15.0	20.0	15.0	28.0	33.0	33.0	33.0	25.0
13	17.0	16.0	---	7.0	15.0	20.0	22.0	28.0	33.0	34.0	34.0	28.0
14	29.0	16.0	---	5.0	14.0	22.0	25.0	25.0	32.0	32.0	28.0	28.0
15	22.0	17.0	---	8.0	---	23.0	25.0	30.0	32.0	35.0	30.0	28.0
16	19.0	20.0	---	9.0	16.0	17.0	25.0	---	30.0	---	27.0	20.0
17	20.0	20.0	---	9.0	17.0	21.0	27.0	29.0	30.0	34.0	34.0	22.0
18	21.0	17.0	---	8.0	10.0	20.0	28.0	32.0	---	33.0	30.0	28.0
19	23.0	18.0	---	5.0	10.0	24.0	25.0	---	30.0	---	34.0	30.0
20	26.0	20.0	---	4.0	12.0	---	25.0	32.0	33.0	30.0	35.0	30.0
21	24.0	19.0	---	5.0	10.0	25.0	25.0	32.0	34.0	32.0	34.0	28.0
22	22.0	16.0	---	8.0	---	---	27.0	30.0	---	---	34.0	24.0
23	23.0	18.0	---	11.0	---	20.0	28.0	30.0	35.0	---	34.0	26.0
24	21.0	19.0	---	12.0	20.0	20.0	30.0	31.0	35.0	25.0	28.0	25.0
25	22.0	18.0	---	10.0	20.0	14.0	30.0	31.0	34.0	28.0	35.0	25.0
26	24.0	15.0	---	11.0	16.0	20.0	25.0	32.0	35.0	33.0	33.0	25.0
27	22.0	17.0	---	7.0	15.0	20.0	28.0	34.0	35.0	30.0	32.0	23.0
28	22.0	18.0	---	9.0	15.0	24.0	28.0	33.0	35.0	30.0	27.0	25.0
29	24.0	15.0	---	10.0	---	21.0	25.0	30.0	35.0	32.0	24.0	24.0
30	23.0	16.0	---	8.0	---	20.0	27.0	32.0	35.0	30.0	26.0	24.0
31	24.0	---	---	---	---	30.0	---	---	---	30.0	25.0	---

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 (2.4 km) downstream from Fords Creek, 2.8 mi (4.5 km) west of Wilkinson, and 8.5 mi (13.7 km) north of Woodville.

DRAINAGE AREA.--182 mi² (471 km²).

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).

GAGE.--Water-stage recorder. Datum of gage is 94.52 ft (28.810 m) 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 (0.914 m) higher.

REMARKS.--Records fair. Doubtful or no gage-height record Dec. 1 to Jan. 3.

AVERAGE DISCHARGE.--36 years, 270 ft³/s (7.646 m³/s), 20.15 in/yr (512 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65,000 ft³/s (1,840 m³/s) Mar. 25, 1973, gage height, 22.3 ft (6.80 m) from floodmarks, from rating curve extended above 35,000 ft³/s (990 m³/s); minimum, 16 ft³/s (0.45 m³/s) Aug. 14, 18, 19, 1954, Sept. 28, 1956.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 37,200 ft³/s (1,050 m³/s) Nov. 29, gage height, 19.24 ft (5.864 m), only peak above base of 11,000 ft³/s (312 m³/s); minimum, 38 ft³/s (1.08 m³/s) Sept. 25, gage height, 3.82 ft (1.164 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	68	1200	560	2600	319	326	278	84	57	70	91
2	65	374	707	450	1300	309	321	270	187	56	48	74
3	105	454	500	400	520	331	316	594	574	55	44	66
4	70	811	544	188	430	301	314	409	333	54	43	62
5	66	916	575	190	370	299	314	292	117	58	42	58
6	64	415	365	188	340	299	314	265	138	120	43	54
7	62	292	285	190	310	339	311	265	143	107	97	53
8	77	254	242	716	270	352	309	367	1910	93	111	50
9	806	254	225	314	240	319	306	1110	258	78	67	49
10	136	242	209	228	230	314	309	415	138	61	95	54
11	754	226	195	209	220	309	1770	326	114	67	61	49
12	202	210	185	216	2200	306	893	324	107	57	53	53
13	132	201	1480	216	640	321	906	301	91	54	143	62
14	124	198	600	202	500	1300	533	278	80	53	199	56
15	117	195	3300	185	424	598	433	270	74	59	107	52
16	105	193	1000	226	397	472	394	263	71	84	64	56
17	98	193	280	590	376	421	373	2220	70	56	54	48
18	92	193	230	263	367	403	544	1070	68	50	51	44
19	89	204	210	583	354	388	388	285	70	49	49	48
20	85	230	190	354	344	376	339	192	67	49	48	42
21	82	720	180	259	334	376	324	260	62	48	49	41
22	80	1260	170	230	324	382	314	309	61	48	47	40
23	78	610	160	250	324	360	306	136	60	49	52	41
24	76	454	180	2700	314	811	301	114	59	51	49	39
25	74	373	160	3470	311	552	306	106	58	48	59	39
26	100	337	150	2700	326	409	294	97	57	48	47	39
27	86	1070	140	1200	311	373	287	91	55	48	44	39
28	78	1020	140	700	326	360	283	85	56	49	80	41
29	74	6900	1600	370	---	347	281	84	56	46	2270	47
30	72	8180	700	800	---	342	278	80	61	45	370	46
31	70	---	620	260	---	334	---	78	---	58	131	---
TOTAL	4177	27047	16722	19407	15002	12722	12687	11234	5279	1855	4687	1533
MEAN	135	902	539	626	536	410	423	362	176	59.8	151	51.1
MAX	806	8180	3300	3470	2600	1300	1770	2220	1910	120	2270	91
MIN	58	68	140	185	220	299	278	78	55	45	42	39
CFSM	.74	4.96	2.96	3.44	2.95	2.25	2.32	1.99	.97	.33	.83	.28
IN.	.85	5.53	3.42	3.97	3.07	2.60	2.59	2.30	1.08	.38	.96	.31
CAL YR 1977	TOTAL	130555	MEAN 358	MAX 18200	MIN 27	CFSM 1.97	IN 26.68					
WTR YR 1978	TOTAL	132352	MEAN 363	MAX 8180	MIN 39	CFSM 2.00	IN 27.05					

07377000 AMITE RIVER NEAR DARLINGTON, LA

LOCATION.--Lat 30°53'20", long 90°50'40", in lot 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 (2.4 km) upstream from Collins Creek, and 4.0 mi (6.4 km) west of Darlington.

DRAINAGE AREA.--580 mi² (1,502 km²).

PERIOD OF RECORD.--March 1949 to September 1950 (annual maximum), October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 145.81 ft (44.443 m) National Geodetic Vertical Datum of 1929. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft (210 m) to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, datum 2.99 ft (0.911 m) higher.

AVERAGE DISCHARGE.--28 years, 870 ft³/s (24.64 m³/s), 20.37 in/yr (517 mm/yr).

REMARKS.--Water-discharge records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76,400 ft³/s (2,160 m³/s) Apr. 22, 1977, gage height, 21.76 ft (6.632 m); minimum, 188 ft³/s (5.32 m³/s) Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft³/s (140 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Nov. 28	0830	8510 241	13.01 3.965	Feb. 2	1215	7030 199	12.08 3.682
Nov. 30	2345	*30500 864	*18.09 5.514	Aug. 30	0700	6630 188	11.79 3.594
Jan. 26	2130	12200 346	15.10 4.602				

Minimum discharge, 284 ft³/s (8.04 m³/s) Aug. 28, gage height, 3.87 ft (1.180 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	339	321	21700	1050	3470	634	453	347	362	337	417	2120
2	390	1340	11400	770	6790	553	438	350	474	318	377	730
3	924	3220	4000	646	5380	613	426	510	698	316	328	532
4	1100	2730	1660	577	2560	598	417	1100	980	312	314	453
5	567	2080	1280	542	1480	525	408	702	746	1160	298	408
6	423	2630	1030	522	1180	501	397	498	510	605	294	377
7	377	1790	835	516	996	507	397	510	441	414	296	352
8	362	937	726	1260	885	638	393	1290	588	1150	302	340
9	1240	883	686	1930	786	616	387	2120	1280	623	306	326
10	876	806	666	1430	722	546	382	1880	702	426	595	324
11	1000	645	609	950	674	513	495	1390	486	377	432	322
12	1410	540	577	790	634	495	1000	742	426	357	377	320
13	786	482	598	795	885	486	1160	577	397	335	324	350
14	541	444	2610	722	1340	990	1020	507	372	322	367	370
15	452	421	2760	638	996	1440	734	471	357	320	1180	438
16	408	405	1720	602	766	996	577	426	345	335	750	815
17	380	400	1250	1270	670	714	498	786	342	357	417	642
18	367	383	1060	1360	623	588	574	3470	340	340	352	459
19	357	394	820	1400	591	532	619	1430	332	312	322	432
20	352	409	706	1690	556	501	1070	778	337	302	310	362
21	345	629	630	1380	532	498	626	581	326	300	308	330
22	339	4330	574	1040	510	532	477	525	367	306	308	318
23	331	3350	542	845	495	504	426	510	350	471	328	318
24	334	1550	525	1610	486	710	400	450	335	400	304	306
25	350	955	519	7670	480	1150	387	414	320	345	300	300
26	363	736	501	11500	474	985	385	395	314	326	296	298
27	346	860	480	10100	486	722	370	489	310	362	290	382
28	335	7280	465	3850	682	588	360	411	314	510	304	340
29	328	2940	535	1630	---	525	355	377	310	477	1810	320
30	325	15000	1370	1270	---	495	350	365	347	362	6430	312
31	324	---	1390	1890	---	471	---	352	---	714	4890	---
TOTAL	16371	58890	64224	62245	36129	20166	15981	24753	13808	13591	23926	13696
MEAN	528	1963	2072	2008	1290	651	533	798	460	438	772	457
MAX	1410	15000	21700	11500	6790	1440	1160	3470	1280	1160	6430	2120
MIN	324	321	465	516	474	471	350	347	310	300	290	298
CFSM	.91	3.38	3.57	3.46	2.22	1.12	.92	1.38	.79	.76	1.33	.79
IN.	1.05	3.78	4.12	3.99	2.32	1.29	1.02	1.59	.89	.87	1.53	.88
CAL YR 1977	TOTAL	469300	MEAN	1286	MAX	54900	MIN	274	CFSM	2.22	IN	30.10
WTR YR 1978	TOTAL	363780	MEAN	997	MAX	21700	MIN	290	CFSM	1.72	IN	23.33

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

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 partial-record stations are presented in two tables. The first is a table of discharge measurements at low-flow partial-record stations, and the second is a table of annual maximum stage and discharge at crest-stage stations. Discharge measurements made at miscellaneous sites for both low flow and high flow are given in a third table.

Low-flow partial-record stations

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. Most of these measurements were made during periods of base flow when streamflow is primarily from ground water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream where continuous records are available, will give a picture of the low-flow potentiality of the stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site.

Discharge measurements made at low-flow partial-record stations during water year 1978

Stations No.	Station name	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Pearl River basin						
02492350	East Hobolochitto Creek at Picayune, Miss.	Lat 30°32'05", long 89°40'29", in SW¼ sec.11, T.6 S., R.17 W., St. Stephens Meridian, Pearl River County, at bridge on U.S. Highway 11, at Picayune.	108	1947, 1953-55, 1957-70a, 1971, 1973, 1978	9-12-78 9-14-78	21.5 24.5
02492500	Hobolochitto Creek at Picayune, Miss.	Lat 30°32'36", long 89°41'54", in NE¼ sec.9, T.6 S., R.17 W., St. Stephens Meridian, Pearl River County, at bridge on State Highway 43 at Picayune.	--	1946-47, 1953, 1955, 1962, 1978	9-12-78	70.4
02492502	Hobolochitto Creek near Picayune, Miss.	Lat 30°32'23", long 89°44'25", in NW¼ sec.7, T.6 S., R.17 W., St. Stephens Meridian, Pearl River County, on county road, 2.5 mi (4.0 km) west of Picayune.	--	1962, 1966, 1968, 1978	9-12-78	101
Yazoo River basin						
07280400	Tillatoba Creek at Charleston, Miss.	Lat 33°59'59", long 90°03'54", in NW¼ sec.35, T.25 N., R.2 E., Choctaw Meridian, Tallahatchie County, at bridge on unnumbered State highway, 0.5 mi (0.8 km) above mouth, 0.12 mi (0.19 km) south of city limits of Charleston.	--	1909, 1953, 1955-56, 1959, 1973, 1975-78	8- 9-78 9-22-78	15.4 8.49

a Operated as CSG.

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 1978

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum Gage height (feet)	Dis- charge (ft ³ /s)
Mobile River basin							
02434000	Town Creek at Tupelo, Miss.	Lat 34°17'40", long 88°42'35", in SW¼ SE¼ sec.18, T.9 S., R.6 E., Chicka- saw Meridian, Lee County, on U.S. Highway 45, 0.5 mi (0.8 km) north of city limits of Tupelo. Prior to 1971 at datum 0.40 ft (0.122 m) higher.	110	1944-46†, 1952-70† 1971-78	5- 7-78	25.07	13,600
02435400	Clear Branch near Tupelo, Miss.	Lat 34°15'30", long 88°39'50", in SW¼ SE¼NW¼ sec.34, T.9 S., R.6 E., Chickasaw Meridian, Lee County, at culvert on U.S. Highway 78, 1.3 mi (2.1 km) east of Tupelo.	.75	1955-78	5- 7-78	5.59	194
02435800	Coonewah Creek at Shannon, Miss.	Lat 34°08'15", long 88°43'12", in SE¼ sec.12, T.11 S., R.5 E., Chickasaw Meridian, Lee County, on U.S. High- way 45, 1.0 mi (1.6 km) north of Shannon and 4.5 mi (7.2 km) upstream from mouth.	53.0	1953-78	5- 7-78	17.66	6,400
02435930	Shell Creek near Tupelo, Miss.	Lat 34°14', long 88°49', in NW¼SE¼SW¼ sec.6, T.10 S., R.5 E., Chickasaw Meridian, Lee County, at culvert on State Highway 6, 6.6 mi (10.6 km) west of Tupelo. Prior to Oct. 1, 1964, at datum 11.48 ft (3.499 m) lower.	.20	1955-78	5- 7-78	4.29	60
02436000	Chiwapa Creek at Shannon, Miss.	Lat 34°06'35", long 88°43'25", in SE¼ sec.24, T.11 S., R.5 E., Chickasaw Meridian, Lee County, at bridge on U.S. Highway 45W at Shannon, and 0.7 mi (1.1 km) above Gulf, Mobile and Ohio Railroad bridge.	144	1952-67†, 1968-78	5- 8-78	12.43	19,700
02437300	Mattubby Creek near Aberdeen, Miss.	Lat 33°52', long 88°36', in SE¼SE¼ sec.7, T.14 S., R.7 E., Chickasaw Meridian, Monroe County, at bridge on U.S. Highway 45, 1.5 mi (2.4 km) above Wolf River, and 4 mi (6.4 km) northwest of Aberdeen.	92.0	1937, 1952-1978	5- 8-78	92.53	5,930
02437550	Nichols Creek tributary near Quincy, Miss.	Lat 33°54'20", long 88°21'05", in SE¼ sec.29, T.13 S., R.10 E., Huntsville Meridian, Monroe County, at culvert on U.S. Highway 278, 1.0 mi (1.6 km) southeast of Quincy.	.54	1967-78	5- 7-78	6.05	244
02437600	James Creek at Aberdeen, Miss.	Lat 38°48'45", long 88°34'00", in SW¼ SE¼ sec.33, T.14 S., R.7 E., Chicka- saw Meridian, Monroe County, at bridge on State Highway 25, 0.4 mi (0.6 km) southwest of Aberdeen.	28.9	1964-68†, 1969-78	5- 7-78	13.80	2,330
02439980	Chuquatonchee Creek near Okolona, Miss.	Lat 34°00'05", long 88°53'00", in NE¼ sec.33, T.12 S., R.4 E., Chickasaw Meridian, Chickasaw County, at bridge on State Highway 32, 7.5 mi (12.1 km) west of Okolona.	68.5	1963-68†, 1969-78	5- 8-78	14.07	2,970
02440000	Chuquatonchee Creek near Egypt, Miss.	Lat 33°50'30", long 88°46'30", on line between secs.22 and 27, T.14 S., R.5 E., Chickasaw Meridian, Chickasaw County, at bridge on State Highway 8, 4.5 mi (7.2 km) southwest of Egypt.	170	1952-73†, 1974-78	5- 8-78	13.53	8,940

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1978--Continued

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							
02440020	Chuquatonchee Creek tributary near Trebloc, Miss.	Lat 33°50'25", long 88°48'20", on line between SW $\frac{1}{4}$ sec.20 and NW $\frac{1}{4}$ sec.29, T.14 S., R.5 E., Chickasaw Meridian, Chickasaw County, at culvert on State Highway 8, 1.5 mi (2.4 km) east of Trebloc.	.72	1967-78	5- 8-77	7.79	390
02440400	Houlka Creek near McCondy, Miss.	Lat 33°47'05", long 88°51'15", in SE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.11, T.15 S., R.4 E., Chickasaw Meridian, Clay County, at bridge on State Highway 47, 2.8 mi (4.5 km) south of McCondy.	185	1963-68†, 1969-78	5- 8-78	14.50	8,850
02440500	Chuquatonchee Creek near West Point, Miss.	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, at bridge on State Highway 50, 3.0 mi (4.8 km) west of West Point.	514	1944-73†, 1974-78	5- 9-78	17.55	10,100
02440600	Line Creek near Maben, Miss.	Lat 33°39', long 89°04', in S $\frac{1}{2}$ sec.26, T.16 S., R.2 E., Chickasaw Meridian, Webster County, at bridge on State Highway 15, 1,000 ft (305 m) below Gulf, Mobile and Ohio Railroad, and 7.0 mi (11.3 km) north of Maben.	6.5	1952-78	5- 8-78	19.56	2,160
02440800	Trim Cane Creek near Starkville, Miss.	Lat 33°28', long 88°55', in W $\frac{1}{2}$ sec.35, T.19 N., R.13 E., Chickasaw Meridian, Oktibbeha County, at bridge on U.S. Highway 82, 3.0 mi (4.8 km) above Biba Wila Creek, and 6.0 mi (9.7 km) west of Starkville.	39.6	1952-78	5- 8-78	26.34	6,040
02441220	Sand Creek tributary near Mayhew, Miss.	Lat 33°28'40", long 88°43'20", on line between SW $\frac{1}{4}$ sec.27 and NW $\frac{1}{4}$ sec.34, T.19 N., R.15 E., Choctaw Meridian, Oktibbeha County, on U.S. Highway 82, 3.7 mi (6.0 km) west of Mayhew.	.44	1966-78	3-14-78	4.34	89
02441300	Catalpa Creek at Mayhew, Miss.	Lat 33°28'50", long 88°37'45", in NE $\frac{1}{4}$ SW $\frac{1}{4}$ sec.28, T.19 N., R.16 E., Choctaw Meridian, Lowndes County, at bridge on U.S. Highway 82, 0.5 mi (0.8 km) east of Mayhew.	98.2	1963-68†, 1969-78	1978	(a)	(†)
02443700	Cedar Creek near Brooksville, Miss.	Lat 33°20'00", long 88°32'30", in SW $\frac{1}{4}$ sec.17 T.17 N., R.17 E., Choctaw Meridian, Lowndes County, at 10x6 ft (3.0x1.8 m) box culvert on U.S. Highway 45, 7.5 mi (12.1 km) north of Brooksville.	.49	1965-78	5- 8-78	7.37	428
02447220	Bogue Fallah Creek tributary near Ackerman, Miss.	Lat 33°20'10", long 89°07'10", in SW $\frac{1}{4}$ sec.14, T.17 N., R.11 E., Choctaw Meridian, Choctaw County, on State Highway 12, 4.1 mi (6.6 km) northeast of Ackerman.	.34	1966-78	5- 8-78	6.13	208
02448620	Flat Scooba Creek tributary near Scooba, Miss.	Lat 32°50'20", long 88°28'10", in SE $\frac{1}{4}$ sec.32, T.12 N., R.18 E., Choctaw Meridian, Kemper County, at culvert on U.S. Highway 45, 0.8 mi (1.3 km) north of Scooba.	.44	1967-78	4-11-78	5.31	136
02469672	Little Okatuppa Creek near Quitman, Miss.	Lat 32°05'00", long 88°27'10", in NW $\frac{1}{4}$ SE $\frac{1}{4}$ sec.21, T.3 N., R.18 E., Choctaw Meridian, Clarke County, on State Highway 18, 17.6 mi (28.3 km) east of Quitman.	4.35	1966-78	10-25-77	4.53	495

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1978--Continued

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							
02471100	Leaf River near Raleigh, Miss.	Lat 32°00'47", long 89°25'58", in SE¼ SE¼NW¼ sec.13, T.2 N., R.8 E., Choctaw Meridian, Smith County, at bridge on State Highway 18, 6.0 mi (9.7 km) east of Raleigh.	143	1940-43b 1957-78	10-26-77	295.62	4,530
02471250	Leaf River at Taylorsville, Miss.	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, on State Highway 28, 1.0 mi (1.6 km) east of Taylorsville.	466	1968-78	4-14-74 12- 2-77	257.44 244.22	c38,000 9,100
02471500	Oakohay Creek at Mize, Miss.	Lat 31°52', long 89°33', in NW¼ sec.6, T.10 N., R.15 W., St. Stephens Meridian, Smith County, on State Highway 28, at Mize.	171	1943-49+, 12-	1-77	285.94	3,570
02472160	Big Creek tributary near Laurel, Miss.	Lat 31°41'20", long 89°19'35", in NE¼ SW¼ sec.5, T.8 N., R.13 W., St. Stephens Meridian, Jones County, on U.S. Highway 84, 11.4 mi (18.3 km) west of Laurel.	.17	1966-78	10-25-77	6.02	179
02472420	Bowie Creek near Sanford, Miss.	Lat 31°28'20", long 89°31'20", in NE¼ sec.20, T.6 N., R.15 W., St. Stephens Meridian, Covington County, at bridge on State Highway 589, 5.0 mi (8.0 km) southwest of junction with U.S. Highway 49.	262	1968-78	4-13-74 5- 8-78	222.22 213.82	d32,000 8,600
02472810	Okatoma Creek tributary No. 2 near Collins, Miss.	Lat 31°36'30", long 89°32'00", in SW¼ sec.32, T.8 N., R.15 W., St. Stephens Meridian, Covington County, at culvert on U.S. Highway 49, 1.6 mi (2.6 km) south of Collins.	.21	1967-78	5- 3-78	4.64	78
02473047	Gordon Creek at Broad Street at Hattiesburg, Miss.	Lat 31°19'42", long 89°18'14", in NW¼ NE¼ sec.9, T.4 N., R.13 W., St. Stephens Meridian, Forrest County, at bridge on Broad Street in Hattiesburg.	8.83	1969-78	5- 3-78	160.48	3,600
02473460	Tallahala Creek at Waldrup, Miss.	Lat 31°57'30", long 89°06'50", in SW¼ sec.31, T.2 N., R.12 E., Choctaw Meridian, Jasper County, at bridge on State Highway 528, 0.8 mi (1.3 km) west of Waldrup.	100	1969-78	1-26-78	307.94	2,420
02473480	Tallahattah Creek near Waldrup, Miss.	Lat 31°51'40", long 89°05'10", in NW¼ SE¼ sec.3, T.10 N., R.11 W., St. Stephens Meridian, Jasper County, on paved county road, 8.7 mi (14.0 km) south of Waldrup.	30.7	1965-70+, 1971-78	5- 8-78	14.41	1,240
02473498	Tallahala Creek tributary at 8th St. at Laurel, Miss.	Lat 31°41'55", long 89°07'44", in SE¼ sec.32, T.9 N., R.11 W., St. Stephens Meridian, Jones County, at wooden box bridge of 8th Street in park, 200 ft (61 m) east of 4th Ave. in Laurel.	1.12	1975-78	5- 7-78	236.81	373
02473610	Tallahala Creek tributary No. 2 at Grandview Dr., at Laurel, Miss.	Lat 31°40'44", long 89°09'19", in N¼ sec.12, T.8 N., R.12 W., St. Stephens Meridian, Jones County, at bridge at intersection of Grandview Drive and West Drive in Laurel.	1.51	1975-78	5- 7-78	229.50	426
02473850	Tallahoma Creek tributary at Lake Como, Miss.	Lat 31°57'40", long 89°12'20", on line between SE¼ sec.31, and NE¼ sec.6, T.2 N., R.11 E., Choctaw Meridian, Jasper County at culvert on State Highway 528, 0.5 mi (0.8 km) east of Lake Como.	3.21	1966-78	5- 7-78	7.81	1,340

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1978--Continued

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, Miss.	Lat 31°21'50", long 89°02'55", in SE¼ sec.25, T.5 N., R.11 W., St. Stephens Meridian, Perry County, at bridge on State Highway 42, 2.5 mi (4.0 km) above mouth, and 3.7 mi (6.0 km) east of Runnelstown.	19.1	1951-78	1978	(a)	(†)
02475050	Waterfall Branch near McLain, Miss.	Lat 31°07'10", long 88°45'25", in SW¼ NE¼SE¼ sec.23, T.2 N., R.8 W., St. Stephens Meridian, Greene County, at culvert on State Highway 57, 4.2 mi (6.8 km) east of McLain. Prior to Oct. 1, 1964, at datum 0.72 ft (0.22 m) lower.	.65	1955-78	6- 8-78	9.32	502
02475220	Little Rock Creek tributary near Little Rock, Miss.	Lat 32°31', long 89°01', in NW¼ sec.30, T.8 N., R.13 E., Choctaw Meridian, Newton County, at 6x5 ft (1.8x1.5 m) box culvert on State Highway 494, 1.2 mi (1.9 km) south-east of Little Rock.	.22	1965-78	5- 1-78	2.97	22
02477050	Souinlovey Creek near Baxter, Miss.	Lat 32°13', long 89°08', in NE¼ sec.3, T.4 N., R.11 E., Choctaw Meridian, Jasper County, at 10x8 ft (3.0x2.4 m) box culvert on State Highway 15, 2.6 mi (4.2 km) north of Baxter.	1.14	1965-78	10-25-77	6.80	307
02477090	Powers Creek near Rose Hill, Miss.	Lat 32°07', long 89°02', in NE¼ sec.11, T.3 N., R.12 E., Choctaw Meridian, Jasper County, at double 5x5 ft (1.5x1.5 m) culvert on State Highway 18, 3.0 mi (4.8 km) south-west of Rose Hill.	.45	1965-78	1-25-78	6.63	309
02477330	Shubuta Creek near Shubuta, Miss.	Lat 31°53', long 88°44', in NW¼ sec.35, T.1 N., R.15 E., Choctaw Meridian, Clarke County, at county highway, 1.5 mi (2.4 km) northwest of Shubuta, and 5.0 mi (8 km) above mouth.	95	1963-78	11-22-77	196.43	1,650
02478600	Granny Branch at Piave, Miss.	Lat 31°23'30", long 88°44'50", in SE¼ sec.13, T.5 N., R.8 W., St. Stephens Meridian, Greene County, at culvert on State Highway 63, 0.3 mi (0.5 km) southwest of Piave.	.69	1967-78	5- 3-78	5.22	198
02479187	Red Creek tributary near Wiggins, Miss.	Lat 30°50'55", long 89°13'40", in SW¼ NE¼NE¼ sec.30, T.2 S., R.12 W., St. Stephens Meridian, Stone County on State Highway 26, 5.3 mi (8.5 km) west of Wiggins.	.22	1966-78	5- 3-78	6.08	156
02480150	Franklin Creek near Grand Bay, Ala.	Lat 30°28'10", long 88°23'10", in NW¼ sec.4, T.7 S., R.4 W., St. Stephens Meridian, Mobile County, at bridge on county highway, 0.9 mi (1.5 km) east of Miss.-Ala. State line, 2.6 mi (4.2 km) west of Grand Bay, Ala., and 3.1 mi (5.0 km) upstream from mouth.	16.4	1959-78	c4- 1-77 1-25-78	c12.35 16.01	c(†) 1,810
Tchoutacabouffa River basin							
02480500	Tuxachanie Creek near Biloxi, Miss.	Lat 30°31'35", long 88°54'40", in SE¼ NW¼ sec.20, T.6 S., R.9 W., St. Stephens Meridian, Harrison County, at bridge on State Highway 15, 7.0 mi (11.3 km) north of city limits of Biloxi.	92.3	1952-71+, 1972-78	1-25-78	18.07	7,180

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1978--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum Gage height (feet)	Dis- charge (ft ³ /s)
Biloxi River basin							
02481130	Biloxi River near Lyman, Miss.	Lat 30°29'18", long 89°02'09", in SE¼ SE¼ sec.25, T.6 S., R.11 W., St. Stephens Meridian, Harrison County, on downstream side of left pier of bridge on county highway, 1.2 mi (1.9 km) downstream from Little Biloxi River 4.6 mi (7.4 km) east of Lyman.	250.74	1965-78	1-25-78	18.70	10,900
Pearl River basin							
02482100	Indian Branch near Edinburg, Miss.	Lat 32°46'50", long 89°25'30", in NW¼ NE¼NE¼ sec.25, T.11 N., R.8 E., Choctaw Meridian, Leake County, on State Highway 16, 5.4 mi (8.7 km) west of Edinburg.	1.92	1966-78	11-30-77	4.02	265
02482310	Lobutch Creek tributary at Wamba, Miss.	Lat 33°02', long 89°27', in NW¼ sec.35, T.14 N., R.8 E., Choctaw Meridian, Attala County, at 10x10 ft (3.0x3.0 m) box culvert on State High- way 19, 0.3 mi (0.5 km) west of Wamba.	.94	1965-78	5- 1-78	5.48	107
02483890	Yockanookany River tributary near McCool, Miss.	Lat 33°10', long 89°25', in SW¼ sec.7, T.15 N., R.9 E., Choctaw Meridian, Attala County, at double 6x4 ft (1.8x1.2 m) box culvert on State Highway 12, 4.0 mi (6.4 km) southwest of McCool.	.34	1965-78	5- 1-78	4.83	210
02484600	Coffee Bogue at Ludlow, Miss.	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 at bridge on county road, 1.0 mi (1.6 km) west of Ludlow.	--	1975-78	11-30-77	11.43	1,500
02484750	Red Cane Creek tributary near Pisgah, Miss.	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, at 4.5 ft (1.4 m) circular pipe on State Highway 43, 4.1 mi (6.6 km) east of Pisgah.	.10	1965-78	5- 7-78	4.22	40
02484760	Fannegusha Creek near Sand Hill, Miss.	Lat 32°30'20", long 89°48'45", in SW¼ sec.29, T.8 N., R.5 E., Choctaw Meridian, Rankin County, at bridge on county road, 3.9 mi (6.3 km) east of Sand Hill.	--	1975-78	11-30-77	11.32	3,000
02485380	Hollybush Creek tributary No. 1 near Pisgah, Miss.	Lat 32°26'00", long 89°48'50", in NW¼ sec.20, T.7 N., R.5 E., Choctaw Meridian, Rankin County, at 8x6 ft (2.4x1.8 m) box culvert on State Highway 43, 7.2 mi (11.6 km) south- east of Pisgah.	.59	1965-78	3-13-78	5.98	235
02485392	Clear Creek tributary near Pelahatchie, Miss.	Lat 32°21'35", long 89°47'55", on line between SW¼ sec.16 and SE¼ sec.17, T.6 N., R.5 E., Choctaw Meridian, Rankin County, at 5.0 ft (1.5 m) circular culvert on State Highway 43, 3.3 mi (5.3 km) north of intersection of Highways 80 and 43 in Pelahatchie.	.12	1965-78	3-13-78	5.31	62
02485650	Purple Creek at Jackson, Miss.	Lat 32°22'45", long 90°07'17", in NW¼ sec.8, T.6 N., R.2 E., Choctaw Meri- dian, Hinds County, at Colonial Country Club, 600 ft (183 m) above Old Canton Road bridge, and 1.5 mi (2.4 km) above mouth.	5.85	1952-78	11-30-77	95.0	950

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations during water year 1978--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum Gage height (feet)	Dis- charge (ft ³ /s)
Pearl River basin--Continued							
02485700	Hanging Moss Creek at Jackson, Miss.	Lat 32°22'00", long 90°09'00", in NE¼ sec.13, T.6 N., R.1 E., Choctaw Meridian, Hinds County, at bridge on east service road of Interstate 55 (formerly U.S. Highway 51), 1.0 mi (1.6 km) above Whiteoak Creek, and 2.0 mi (3.2 km) above mouth. Prior to Oct. 1, 1961, at datum 73.56 ft (22.421 m) lower.	16	1953-78	11-30-77	20.07	4,500
02485800	Eubanks Creek at Jackson, Miss.	Lat 32°20'15", long 90°09'40", in NE¼ NW¼NE¼ sec.26, T.6 N., R.1 E., Choctaw Meridian, Hinds County, near right bank at downstream side of Wood Dale Drive bridge in Jackson, 1,600 ft (488 m) upstream from Interstate 55 (formerly U.S. Highway 51), and 1.3 mi (2.1 km) upstream from mouth. Prior to Oct. 1, 1959, at 1,600 ft (488 m) downstream at datum 0.74 ft (0.225 m) lower.	4.0	1954-78	3-13-78	11.90	1,500
02485900	Neely Creek near Brandon, Miss.	Lat 32°17'58", long 90°03'44", in SW¼ sec.2, T.5 N., R.2 E., Choctaw Meridian, Rankin County, at double 8x6 ft (2.4x1.8 m) box culvert on New Airport Road, 5.4 mi (8.7 km) west of Brandon.	1.09	1965-78	11-30-77 3-13-78	5.04 --	-- 245
02485950	Town Creek at Jackson, Miss.	Lat 32°17'35", long 90°11'06", in NW¼SW¼ sec.3, T.5 N., R.1 E., Choctaw Meridian, Hinds County, at bridge on Gallatin St., in Jackson, 300 ft (91m) above Illinois Central Railroad.	11.7	1953-78	11-30-77	13.50	3,100
02486100	Lynch Creek at Jackson, Miss.	Lat 32°17'15", long 90°13'00", in SE¼ sec.8, T.5 N., R.1 E., Choctaw Meridian, Hinds County, at bridge on Valley Street in Jackson, 2,000 ft (610 m) below U.S. Highway 80, and 2.0 mi (3.2 km) above mouth. Prior to Oct. 1, 1958, at site 2,000 ft (610 m) upstream.	11.1	1955-78	11-30-77	14.22	3,300
02486115	Three Mile Creek at Jackson, Miss.	Lat 32°16'15", long 90°13'00", in NW¼ SE¼ sec.17, T.5 N., R.1 E., Choctaw Meridian, Hinds County, 300 ft (91 m) downstream from old U.S. Highway 51 (Terry Road), 0.6 mi (1.0 km) above Illinois Central Railroad.	1.12	1962-78	3-13-78	280.90	1,460
02487300	Strong River near Puckett, Miss.	Lat 32°04', long 89°45', in SE¼SE¼ sec.26, T.3 N., R.4 E., Choctaw Meridian, Rankin County, at State Highway 18, 2.0 mi (3.2 km) south-east of Puckett.	260	1958-78	1-26-78	21.62	3,600
02487500	Strong River at D'Lo, Miss.	Lat 31°58'45", long 89°54'05", in SW¼ sec.28, T.2 N., R.4 E., Choctaw Meridian, Simpson County, on left bank at downstream side of old U.S. Highway 49, 0.2 mi (0.3 km) south of D'Lo.	429	1928-71†, 1972-78	1-26-78	20.59	5,870
02487670	Boggans ditch near Mendenhall, Miss.	Lat 31°53'10", long 89°53'20", in NE¼ NE¼NE¼ sec.33, T.1 N., R.4 E., Choctaw Meridian, Simpson County, at culvert on State Highway 13, 5.5 mi (8.8 km) south of Mendenhall. Prior Oct. 1, 1964, at datum 1.27 ft (0.387 m) higher.	.91	1955-78	8-13-78	4.00	145
02487900	Copiah Creek near Hazlehurst, Miss.	Lat 31°53'23", long 90°17'10", in SW¼SE¼ sec.27, T.1 N., R.1 W., Choctaw Meridian, Copiah County, at bridge on State Highway 28, 6.2 mi (10.0 km) east of Hazlehurst.	48.6	1948-65, 1966-68†, 1969-78	8-31-78	10.08	2,000

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1978--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum Gage height (feet)	Dis-charge (ft ³ /s)
Pearl River basin--Continued							
02488550	Goines Draw near Prentiss, Miss.	Lat 31°47'00", long 89°52'40", in NE¼NW¼NE¼ sec.2, T.9 N., R.19 W., St. Stephens Meridian, Simpson County, at culvert on State Highway 13, 12.2 mi (19.6 km) north of Prentiss.	.34	1955-78	5- 7-79	4.19	185
02489030	Elmers Draw near Columbia, Miss.	Lat 31°12'00", long 89°58'00", in SE¼SE¼NW¼ sec.26, T.3 N., R.12 E., Washington Meridian, Marion County, at U.S. Highway 98, 5.7 mi (9.2 km) west of Columbia. Prior to Oct. 1, 1964, at datum 1.12 ft (0.341 m) higher.	.91	1955-78	5- 8-78	11.85	944
02490550	Middle Fork Hickory Flat near Tylertown, Miss.	Lat 31°10', long 90°13', on line between secs. 5 and 8, T.2 N., R.10 E., Washington Meridian, Walthall County, at culvert on U.S. Highway 98, 0.2 mi (0.3 km) above Fernwood, Columbia, and Gulf Railroad, and 5.5 mi (8.8 km) north-west of Tylertown. Prior to Oct. 1, 1964, at datum 10.95 ft (3.338 m) lower.	1.37	1953-78	11-30-77	6.14	514
02492360	West Hobolochitto Creek near McNeill, Miss.	Lat 30°39'42", long 89°41'10", in NW¼NE¼ sec.34, T.4 S., R.17 W., St. Stephens Meridian, Pearl River County, at bridge on county road, 3.1 mi (5.0 km) west of McNeill.	175	1966-68†, 1969-78	5- 8-78	18.25	4,190
Yazoo River basin							
07267000	Hell Creek near New Albany, Miss.	Lat 34°30'55", long 89°03'10", in SW¼ sec.36, T.6 S., R.2 E., Chickasaw Meridian, Union County at bridge on U.S. Highway 78, 3.0 mi (4.8 km) northwest of New Albany, and 4.5 mi (7.2 km) above mouth.	27.3	1939-42†, 1952-78	5- 8-78	14.23	4,300
07268500	Cypress Creek near Etta, Miss.	Lat 34°26', long 89°17', in SE¼ sec.27, T.7 S., R.1 W., Chickasaw Meridian, Lafayette County, at bridge on State Highway 30, 4.5 mi (7.2 km) southwest of Etta, and 5.0 mi (8.0 km) above mouth. Prior to Oct. 1, 1964, at datum 10.00 ft (3.048 m) higher.	8.5	1939-42†, 1952-78	1978	(a)	(†)
07269000	North Tippah Creek near Ripley, Miss.	Lat 34°44', long 89°02', in SW¼ sec.18, T.4 S., R.3 E., Chickasaw Meridian, Tippah County, at bridge on State Highway 4, 2.0 mi (3.2 km) upstream from Tippah Creek, and 5.5 mi (8.8 km) west of Ripley.	20.0	1939-42†, 1952-78	5- 8-78	18.96	4,300
07274250	Otocalofa Creek at Water Valley, Miss. (Prior to Oct. 1, 1972, published as Otuckalofa Cr.)	Lat 34°08'25", long 89°38'17", in SW¼NE¼ sec.8, T.11 S., R.4 W., Chickasaw Meridian, Yalobusha County, at bridge on State Highway 7, 0.9 mi (1.4 km) south of Water Valley, and 5.2 mi (8.4 km) above mouth.	84.1	1952-78	11-30-77	22.35	3,600
07275500	Long Creek at Courtland, Miss.	Lat 34°13'40", long 89°56'20", near center of sec.9, T.10 S., R.7 W., Chickasaw Meridian, Panola County, at bridge on U.S. Highway 51, 1.0 mi (1.6 km) south of Courtland, 5.5 mi (8.8 km) above mouth, and 6.0 mi (9.7 km) south of Batesville.	66.2	1940-43†, 1952-78	1978	(a)	(†)
07283490	Caney Creek near Coffeeville, Miss.	Lat 33°55'40", long 89°38'20", in SE¼NE¼SW¼ sec.23, T.24 N., R.6 E., Choctaw Meridian, Yalobusha County, at culvert on State Highway 330, 4.2 mi (6.7 km) east of Coffeeville. Prior to Oct. 1, 1964, at datum 8.88 ft (2.707 m) lower.	1.97	1955-78	1978	(a)	(†)

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1978--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum Gage height (feet)	Dis-charge (ft ³ /s)
07285700	Long Creek near Cascilla, Miss.	Lat 33°51'40", long 89°59'05", in NE¼ sec.16, T.23 N., R.3 E., Choctaw Meridian, Tallahatchie County, at 16x12 ft (4.9x3.7 m) box culvert on county highway, 1.1 mi (1.8 km) east of Cascilla.	1.64	1965-78	1-25-78	7.26	687
07286520	Big Sand Creek tributary near North Carrollton, Miss.	Lat 33°31'30", long 89°52'50", on line between SE¼ and NE¼ sec.9, T.19 N., R.4 E., Choctaw Meridian, Carroll County, at 3.0 ft (0.91 m) corrugated pipe on county highway 2.4 mi (3.9 km) east of North Carrollton.	.09	1965-78	7-25-78	5.55	45
07287165	Mosquito Lake tributary No. 1 at Itta Bena, Miss.	Lat 33°28'55", long 90°19'30", in SE¼ NW¼ sec.29, T.19 N., R.1 W., Choctaw Meridian, Leflore County, on State Highway 7, 0.5 mi (0.8 km) south of compress at Itta Bena.	.11	1966-78	6-23-78	4.81	61
07287170	Mosquito Lake tributary No. 2 at Itta Bena, Miss.	Lat 33°28'45", long 90°19'20", in NE¼ NW¼ sec.29, T.19 N., R.1 W., Choctaw Meridian, Leflore County, on State Highway 7, 0.8 mi (1.3 km) south of compress at Itta Bena.	.13	1966-78	6-23-78	3.90	60
07287350	Fannegusha Creek near Tchula, Miss.	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, on State Highway 12, 3.0 mi (4.8 km) east of Tchula.	100	1953-65e, 1968-78	11-30-77	154.68	6,300
07288568	Quiver River tributary near Schlater, Miss.	Lat 33°38'30", long 90°24'30", in SE¼ sec.33, T.21 N., R.2 W., Choctaw Meridian, Leflore County, at culvert on State Highway 442, 3.4 mi (5.5 km) west of Schlater.	.18	1967-78	7-25-78	6.43	(t)
Big Black River basin							
07289265	Hays Creek trib. No. 1 near Vaiden, Miss.	Lat 33°23'10", long 89°45'40", in NE¼ NW¼ sec. 34, T.18 N., R.5 E., Choctaw Meridian, Carroll County, at bridge on U.S. Highway 51, 3.9 mi (6.2 km) north of Vaiden.	14	1975-78	5- 8-78	25.46	1,650
07289395	Sharkey Creek trib. near West, Miss.	Lat 33°08'45", long 89°44'30", in NW¼ sec.24, T.15 N., R.5 E., Choctaw Meridian, Attala County, at culvert on State Highway 19, 4.7 mi (7.6 km) southeast of West.	.30	1967-78	5- 8-78	8.10	252
07289470	Tacketts Creek trib. near Pickens, Miss.	Lat 32°56', long 89°58', on line between NE¼ and SE¼ sec.34, T.13 N., R.3 E., Choctaw Meridian, Holmes County, at 6x6 ft (1.8x1.8 m) box culvert on State Highway 17, 3.6 mi (5.8 km) north of Pickens.	.15	1965-78	6-19-78	6.43	181
07289600	Tilda Bogue near Canton, Miss.	Lat 32°39'15", long 90°00'50", in SW¼ sec.5, T.9 N., R.3 E., Choctaw Meridian, Madison County, at bridge on U.S. Highway 51, 3.0 mi (4.8 km) north of Canton, and 3.5 mi (5.6 km) above mouth.	24.4	1948-78	11-30-77	17.61	2,950
07289641	Panther Creek tributary near Flora, Miss.	Lat 32°34'00", long 90°10'05", in SW¼ sec.2, T.8 N., R.1 E., Choctaw Meridian, Madison County, at 5x2.2 ft (1.5x0.67 m) culvert on State Highway 22, 8.3 mi (13.4 km) northeast of Flora.	.07	1965-78	6-19-78	5.11	86
07290005	Clear Creek near Bovina, Miss.	Lat 32°21'42", long 90°43'32", in SW¼ sec.17, T.6 N., R.5 W., Choctaw Meridian, Warren County, on county road, 1.0 mi (1.6 km) northeast of Bovina.	36	1953-78	5- 8-78	26.50	9,000

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1978--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum Date	Gage height (feet)	Dis-charge (ft ³ /s)
Bayou Pierre basin							
07290525	Whiteoak Creek tributary near Utica, Miss.	Lat 32°04'00", long 90°31'35", in SE¼ sec.29, Choctaw Meridian, Hinds County at 12x12 ft (3.7x3.7 m) box culvert on State Highway 27, 6.3 mi (10.1 km) southeast of Utica.	1.36	1965-78	11-30-77	7.71	610
07290690	Clarks Creek near Pattison, Miss.	Lat 31°53'40", long 90°50'40", in lot 35, T.11 N., R.4 E., Washington Meridian, Claiborne County, at bridge on county highway, 1.3 mi (2.1 km) above mouth, and 2.5 mi (4.0 km) east of Pattison.	77.4	1961-62†, 1963-78	5- 8-78	27.46	28,000
07290830	Little Creek near Fayette, Miss.	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, at culvert on State Highway 33, 2.0 mi (3.2 km) south of Fayette.	1.71	1967-78	11-21-77	7.82	510
07290870	Coles Creek near Fayette, Miss.	Lat 31°45'55", long 91°11'30", in lot 21, T.9 N., R.1 W., Washington Meridian, Jefferson County, at bridge on county highway, 0.7 mi (1.1 km) below confluence of North and South Forks of Coles Creek, and 10.0 mi (16.1 km) northwest of Fayette.	257	1961-62†, 1963-78	4-21-77 d27.53 11-30-78 20.44	d49,200 18,800	
Homochitto River basin							
07291250	McCall Creek near Lucien, Miss.	Lat 31°30'24", long 90°38'45", in SW¼ sec.6, T.6 N., R.6 E., Washington Meridian, Franklin County, at U.S. Highway 84, 0.8 mi (1.3 km) east of Lucien.	f60	1953, 1955-78	5- 8-78	91.58	26,000
Thompson Creek basin							
07373550	Moore's Branch near Woodville, Miss.	Lat 31°05'20", long 91°14'30", in SE¼ SW¼ sec.32, T.2 N., R.1 W., Washington Meridian, Wilkinson County, at State Highway 24, 3.3 mi (5.3 km) east of Woodville. Prior to Oct. 1, 1964, at datum of 0.88 ft (0.268 m) lower.	0.21	1955-78	11-30-77	6.85	330
Mississippi River Delta							
07375235	Tangipahoa River tributary near McComb, Miss.	Lat 31°12'30", long 90°31'40", in NE¼ SE¼ sec.19, T.3 N., R.7 E., Washington Meridian, Pike County, on State Highway 24, 4.8 mi (7.7 km) southwest of McComb.	2.71	1966-78	7- 7-78	5.67	500
07376760	CRS Draw near Liberty, Miss.	Lat 31°06'50", long 90°54'10", in SW¼ NW¼NW¼ sec.32, T.2 N., R.3 E., Washington Meridian, Amite County, on State Highway 48, 6.6 mi (10.6 km) west of intersection with Highway 24 in Liberty.	.80	1966-78	11-30-77	7.03	356

† Discharge not determined.

‡ Operated as a continuous-record gaging station.

a High-water mark was not determined.

b Gage heights and discharge measurements in files of Corps of Engineers.

c Revised.

d Not previously published.

e Published at site near Howard, 3 mi (5 km) downstream.

f Approximately.

Discharge measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations are given in the following table. Those that are measurements of base flow are designated by an asterisk (*); measurements of peak flow by a dagger (†).

Discharge measurements made at miscellaneous sites during water year 1978

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Mobile River basin						
Nichols Creek	Tombigbee River	Lat 33°48'53", long 88°29'20", in SW¼ sec.25, T.14 S., R.19 W., Huntsville Meridian, Monroe County, at U.S. Highway 45, 3.2 mi (5.1 km) southeast of Aberdeen.	24.1	1977	10-13-77 11- 8-77 2-16-78 8- 7-78 9- 5-78	*10.8 *17.4 *10.3 * 3.00 * 2.41
Pascagoula River basin						
Tallahala Creek	Leaf River	Lat 31°47'07", long 89°04'33", in SW¼ sec.35, T.10 N., R.11 W., St. Stephens Meridian, Jones County, at county highway, 2.3 mi (3.7 km) west of Sandersville.	a200	1956b, 1975-77	7-12-78	31.1
Tallahala Creek	Leaf River	Lat 31°42'37", long 89°06'44", in NW¼ sec.33, T.9 N., R.11 W., St. Stephens Meridian, Jones County, at Interstate 59 at Laurel.	--	--	7-12-78	43.2
Bluff Creek tributary	Bluff Creek	Lat 30°31'00", long 88°41'37", in SW¼ of sec.16, T.6 S., R.7 W., St. Stephens Meridian, Jackson County, at State Highway 57, 1.0 mi (1.6 km) southwest of Vancleave.	--	1952-55	1-25-78	†111
Pearl River basin						
Yockanookany River	Pearl River	Lat 33°18'58", long 89°11'30", in SW¼ sec.19, T.17 N., R.11 E., Choctaw Meridian, Choctaw County, at bridge on county road 1.0 mi (1.6 km) southwest of Ackerman.	--	--	8-29-78	*1.27
Yockanookany River tributary	Yockanookany River	Lat 33°18'30", long 89°11'20", in NW¼ sec.30, T.17 N., R.11 E., Choctaw Meridian, Choctaw County, at mouth, at Ackerman.	--	--	8-30-78	3.25
Yockanookany River	Pearl River	Lat 33°17'28", long 89°13'34", in SW¼ sec.35, T.17 N., R.10 E., Choctaw Meridian, Choctaw County, at bridge on county road, 0.5 mi (0.8 km) south of Fentress.	--	1965	8-29-78	7.21
Pearl River at mile 282	Gulf of Mexico	Lat 32°14'24", long 90°12'15", in SW¼ of sec.28, T.5 N., R.1 E., Choctaw Meridian, Hinds County, at mile 282 near Jackson.	--	--	6- 7-78 6- 9-78	†1,330 †2,500
Jackson sewage effluent	Pearl River	Lat 32°14'14", long 90°12'31", SW¼ of sec.33, T.5 N., R.1 E., Choctaw Meridian, Hinds County, at regional treatment plant near Jackson.	--	--	6- 7-78	40.0
Pearl River	Gulf of Mexico	Lat 32°10'40", long 90°14'35", in NW¼ sec.19, T.4 N., R.1 E., Choctaw Meridian, Hinds County, at bridge on county road 0.2 mi (0.3 km) southeast of Byram.	a3,430	1939, 1964, 1972, 1976-77	6- 7-78 6- 9-78	1,590 2,490
West Hobolochitto Creek	Hobolochitto Creek	Lat 30°33'18", long 89°41'31", in NW¼ sec.3, T.6 S., R.17 W., St. Stephens Meridian, Pearl River County, on State Highway 43, 1.8 mi (2.9 km) southwest of Richardson.	--	--	9-12-78	40.5

Discharge measurements made at miscellaneous sites during water year 1978--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Yazoo River basin						
Tillatoba Creek	Tallahatchie River	Lat 34°01'35", long 89°51'54", in NE¼ sec.22, T.25 N., R.4 E., Choctaw Meridian, Yalobusha County, at bridge on county high- way, 1.0 mi (1.6 km) northeast of U.S. Highway 55, 4.0 mi (6.4 km) southeast of Oakland.	--	1973, 1975-77	8- 9-78 9-22-78	* .24 * .39
Tillatoba Creek	Tallahatchie River	Lat 34°01'04", long 89°55'00", in sec.19, T.25 N., R.4 E., Choctaw Meridian, Yalobusha County, at bridge on county highway, 3.0 mi (4.8 km) northwest of Tillatoba.	--	1973, 1975-77	8- 9-78 9-22-78	*1.95 *1.23
Davis Creek	South Fork Tillatoba Creek	Lat 33°56'00", long 89°52'58", in SE¼ sec.21, T.24 N., R.4 E., Choctaw Meridian, Yalobusha County at U.S. Highway 51, 1.5 mi (2.4 km) southwest of Scobey.	--	1973, 1975-77	8- 9-78 9-22-78	* .12 * .06
Davis Creek	South Fork Tillatoba Creek	Lat 33°55'26", long 89°55'12", in NW¼ sec.30, T.25 N., R.3 E., Choctaw Meridian, Yalobusha County, at bridge on county road, 4.5 mi (7.2 km) southeast of Tillatoba.	--	1973, 1975-77	8- 9-78 8-22-78	*1.05 * .66
South Fork Tillatoba Creek	Tillatoba Creek	Lat 33°55'55", long 89°56'40", in SE¼ sec.23, T.24 N., R.3 E., Choctaw Meridian, Tallahatchie County, 4.0 mi (6 km) west of Scobey.	--	1973, 1975-77	8- 9-78 9-22-78	*1.84 *1.23
Simmons Creek	South Fork Tillatoba Creek	Lat 33°58'30", long 89°51'54", in S¼ sec.3, T.24 N., R.4 E., Choctaw Meridian, Yalobusha County, at bridge on county road, 2.0 mi (3.2 km) southeast of Tillatoba.	--	1973, 1975-77	8- 9-78 9-22-78	* .19 * .32
Simmons Creek	South Fork Tillatoba Creek	Lat 33°58'05", long 89°54'09", in NW¼ sec.8, T.24 N., R.4 E., Choctaw Meridian, Yalobusha County, at U.S. Highway 51, 1.0 mi (1.6 km) south of Tillatoba.	--	1973, 1975-77	8- 9-78 9-22-78	* .45 * .29
South Fork Tillatoba Creek	Tillatoba Creek	Lat 33°57'36", long 89°56'57", on line between sec.10 and 11, T.24 N., R.4 E., Choctaw Meridian, Tallahatchie County, on county road 4.0 mi (6.4 km) southwest of Tillatoba.	--	1973-77	8- 9-78 9-22-78	*3.88 *2.54
Tillatoba Creek	Tallahatchie River	Lat 33°59'22", long 89°59'38", in SW¼ sec.33, T.25 N., R.3 E., Choctaw Meridian, Tallahatchie County, 4.0 mi (6.4 km) east of Charleston.	--	1975-77	8- 9-78 9-22-78	*7.90 *5.42
Sewage disposal ditch at Cleveland	Lead Bayou	Lat 33°45'43", long 90°42'40", at center of secs.9, 10, 15, and 16, T.22 N., R.5 W., Choctaw Meridian, Bolívar County, at service road east of U.S. Highway 61, at northern city limits of Cleveland.	--	1974	8-23-78	4.69
Lead Bayou tributary No. 1	Lead Bayou	Lat 33°43'58", long 90°41'48", on line between secs.22 and 27, T.22 N., R.5 W., Choctaw Meridian, Bolívar County, on county road, 1.0 mi (1.6 km) east of Cleveland.	--	1974	8-22-78	4.76
Lead Bayou tributary No. 1	Lead Bayou	Lat 33°43'13", long 90°40'56", at center of secs.25, 26, 35, and 36, T.22 N., R.5 W., Choctaw Meridian, Bolívar County on county road 2.5 mi (4.0 km) northeast of Boyle.	--	1974	8-23-78	11.5

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 1978--Continued

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Yazoo River basin--Continued						
Lead Bayou tributary No. 2	Lead Bayou	Lat 33°42'14", long 90°40'42", on line between secs.2 and 35, and between T.21 and T.22 N., R.5 W., Choctaw Meridian, Bolivar County, at county road 2.0 mi (3.2 km) east of Boyle.	--	1974	8-23-78	1.60
Lead Bayou	Horseshoe Bayou	Lat 33°43'07", long 90°38'34", on line between secs.5 and 6, T.21 N., R.4 W., Choctaw Meridian, Sunflower County, at county road, 4.5 mi (7.2 km) northwest of Boyle.	--	1974	8-22-78	11.7
Bayou Pierre basin						
Clarks Creek	Little Bayou Pierre	Lat 31°51'32", long 90°50'48", in SW¼SE¼ sec.7, T.10 N., R.4 E., Washington Meridian, Claiborne County, at bridge on State High- way 547, 3.3 mi (5.3 km) south- east of Pattison, Miss.	--	--	5- 7-78	†24,000
Buckins Creek	Clarks Creek	Lat 31°50'43", long 90°49'20", in SE¼ sec.9, T.10 N., R.4 E., at 20x16 foot box culvert on State Highway 547, Washington Meridian, Claiborne County, 1.2 mi (1.9 km) west of Peyton.	6.29	1962	5- 7-78	†3,500

a Approximately

b Operated as CSG.

Discharge measurements in Tennessee-Tombigbee Study Area, Mississippi

Measurements of streamflow made in the Tennessee-Tombigbee Study Area, Mississippi, are given in the following table. Data below furnished by and are in files of Corps of Engineers, Mobile District.

Discharge measurements in Tennessee-Tombigbee Study Area, Mississippi, during water year 1978

Station no.	Stream	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Mobile River basin						
02429710	Big Rock Hollow	Lat 34°43'00", long 88°26'06", in SW¼ sec.23, T.4 S., R.8 E., Chickasaw Meridian, Prentiss County, on county road, 3.4 mi (5.5 km) north of Altitude, Miss.	1.06	1972, 1975-77	5-25-78 7- 3-78	1.47 .27
02429713	Yarber Branch	Lat 34°42'58", long 88°26'11", in SW¼ sec.23, T.4 S., R.8 E., Chickasaw Meridian, Prentiss County, on county road, 3.4 mi (5.5 km) north of Altitude, Miss.	.47	1972, 1974-77	5-25-78 7- 3-78	.62 .27
02429718	Big Rock Hollow	Lat 34°42'08", long 88°26'08", in SW¼ sec.26, T.4 S., R.8 E., Chickasaw Meridian, Prentiss County, on county road, 2.4 mi (3.9 km) north of Altitude, Miss.	2.93	1972, 1974-77	5-25-78 7- 3-78	2.69 .61
02429725	Heading Mill Hollow	Lat 34°42'13", long 88°25'38", in center of sec.26, T.4 S., R.8 E., Chickasaw Meridian, Prentiss County on county road, 2.6 mi (4.2 km) north of Altitude, Miss.	3.88	1972, 1974-77	5-25-78 7- 3-78	3.96 .83
02429735	Big Brown Creek	Lat 34°40'11", long 88°25'48", in SW¼ sec.2, T.5 S., R.8 E., Chickasaw Meridian, Prentiss County on State Highway 364, 0.7 mi (1.1 km) east of Altitude, Miss.	11.3	1972, 1974-77	7- 3-78	1.96
02429742	North Channel of East Prong	Lat 34°41'11", long 88°23'22", in SE¼ sec.31, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County on county road, 3.3 mi (5.3 km) northeast of Altitude, Miss.	1.53	1972, 1974-77	5-24-78 7- 3-78	.90 .17
02429743	Middle Channel of East Prong	Lat 34°41'08", long 88°23'20", in SE¼ sec.31, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County on county road 3.3 mi (5.3 km) northeast of Altitude, Miss.	.12	1972, 1976-77	4-24-78 5-24-78 7- 3-78	.10 .05 <.01
02429745	South Channel of East Prong	Lat 34°41'04", long 88°23'19", in SE¼ sec.31, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County on county road, 3.3 mi (5.3 km) northeast of Altitude, Miss.	.20	1972, 1976-77	4-24-78 5-24-78 7- 3-78	.17 .10 .02
02429750	East Prong	Lat 34°40'49", long 88°24'18", in NE¼ sec.1, T.5 S., R.8 E., Chickasaw Meridian, Prentiss County on county road, 2.4 mi (3.9 km) northeast of Altitude, Miss.	4.93	1972, 1974-77	5-25-78 7- 3-78	2.83 .27
02429752	East Prong tributary	Lat 34°40'50", long 88°24'22", in NE¼ sec.1, T.5 S., R.8 E., Chickasaw Meridian, Prentiss County on county road 2.4 mi northeast of Altitude, Miss.	.29	1972	5-25-78 7- 3-78	.18 0
02429754	East Prong tributary No. 2	Lat 34°40'47", long 88°24'44", in sec.1, T.5 S., R.8 E., Chickasaw Meridian, Prentiss County, on State Highway 364, 1.9 mi northeast of Altitude, Miss.	.14	1972	5-25-78 7- 2-78	.07 0
02429755	East Prong tributary No. 3	Lat 34°40'37", long 88°24'57", in W¼ sec.1, T.5 W., R.8 E., Chickasaw Meridian, Prentiss County, on State Highway 364, 1.6 mi northeast of Altitude, Miss.	.10	1972	4-25-78 7- 2-78	.06 <.01

Discharge measurements made in Tennessee-Tombigbee Study Area, Mississippi, during water year 1978--Continued

Station no.	Stream	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Mobile River basin--Continued						
02429757	East Prong tributary No. 4	Lat 34°40'27", long 88°25'16", in E½ sec.2, T.5 S., R.8 E., Chickasaw Meridian, Prentiss County, on State Highway 364, 1.3 mi northeast of Altitude, Miss.	0.19	1972	5-25-78 7- 2-78	0.10 0
02429764	Big Brown Creek tributary No. 3	Lat 34°40'07", long 88°25'56", in SW¼ sec.2, T.5 S., R.8 E., Chick- asaw Meridian, Prentiss County, on State Highway 364, 0.6 mi east of Altitude, Miss.	.62	1972	5-26-78 7- 2-78	.15 <.01
02429933	Little Brown Creek	Lat 34°38'40", long 88°21'24", in center of sec.9, T.5 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 1.8 mi (2.9 km) northwest of Burton, Miss.	1.59	1972, 1974-77	6-30-78	.47
02429934	Little Brown Creek tributary	Lat 34°39'27", long 88°20'44", in SW¼ sec.10, T.5 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 375, 1.3 mi (2.1 km) north of Burton, Miss.	3.28	1972, 1974-76	6-30-78	1.62
024299348	Little Brown Creek tributary No. 4	Lat 34°39'27", long 88°20'44", in W¼ sec.10, T.5 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 365, 1.4 mi (2.3 km) north of Burton, Miss.	.77	1972, 1976-77	6-30-78	.20
02429935	Little Brown Creek	Lat 34°38'42", long 88°21'26", in center of sec.16, R.5 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 1.2 mi (1.9 km) northwest of Burton, Miss.	6.86	1972, 1974-77	6-30-78	2.43
02429942	Little Brown Creek tributary	Lat 34°37'29", long 88°21'50", on line between SW¼ sec.21 and NW¼ sec.28, T.5 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 30, 1.6 mi (2.6 km) east of New Hope, Miss.	10.1	1972, 1974-77	6-30-78	4.14
02429943	Little Brown Creek tributary	Lat 34°57'30", long 88°21'40", in NW¼ sec.28, R.5 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 1.7 mi (2.7 km) east of New Hope, Miss.	.15	1972, 1974-77	4-24-78 5-26-78 6-30-78	.12 .09 .04
02429947	Lacy Creek	Lat 34°37'29", long 88°22'04", on sec. line 29-20, T.5 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 30, 1.4 mi (2.3 km) east of New Hope, Miss.	2.82	1972, 1974-75, 1977	6-30-78	.22
02429969	Burgess Creek	Lat 34°41'42", long 88°17'32", in NW¼ sec.31, T.4 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 3.0 mi (4.8 km) northwest of Paden, Miss.	1.05	1972, 1974-77	4-24-78 6-30-78	.33 .10
02429970	Mackeys Creek tributary	Lat 34°41'28", long 88°41'28", in NW¼ sec.31.T.4 S., R.10 E., Chick- asaw Meridian, Tishomingo County, on county road 2.7 mi (4.3 km) north northwest of Paden, Miss.	.39	1972, 1975-77	4-24-78 5-27-78 6-30-78	0 0 0
02429972	Hurricane Creek	Lat 34°40'16", long 88°18'08", in SE¼ sec.1, T.5 S., R.9 E., Chickasaw Meridian, Tishomingo County, on county road, 2.3 mi (3.7 km) northwest of Paden, Miss.	.69	1972, 1975-77	5-27-78 6-30-78	.23 .07

Discharge measurements made in Tennessee-Tombigbee Study Area, Mississippi, during water year 1978--Continued

Station no.	Stream	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Mobile River basin--Continued						
02429973	Hurricane Creek tributary	Lat 34°40'14", long 88°17'24", in SW $\frac{1}{4}$ sec.6, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County on county road 1.7 mi (2.7 km) northwest of Paden, Miss.	0.90	1972, 1974-77	5-27-78 6-30-78	0.45 .11
02429975	Black Branch	Lat 34°39'53", long 88°15'00", in N $\frac{1}{4}$ sec.8, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County on Illinois Central Railroad bridge, 0.5 mi (0.8 km) north of Paden, Miss.	1.40	1972, 1974-77	5-27-78 7- 1-78	.77 .42
02429977	Panther Creek	Lat 34°39'34", long 88°15'37", on sec. line 8-9, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 0.3 mi (0.5 km) east of Paden, Miss.	2.76	1972, 1974-77	5-27-78 7- 1-78	3.79 2.94
02429978	King Creek North Fork	Lat 34°38'21", long 88°14'04", in SE $\frac{1}{4}$ sec.15, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on old State Highway 30, 0.2 mi (2.3 km) northwest of Tishomingo, Miss.	3.51	1972, 1974-77	5-27-78 7- 1-78	1.48 .95
02429979	King Creek South Fork	Lat 34°38'15", long 88°14'09", in NW $\frac{1}{4}$ sec.22, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on Natchez Trace, 0.2 mi (0.3 km) west of Tishomingo, Miss.	3.51	1972, 1974-77	5-27-78 7- 1-78	4.11 2.65
024299792	King Creek tributary	Lat 34°38'29", long 88°14'48", in SE $\frac{1}{4}$ sec.16, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on Natchez Trace, 0.9 mi (1.4 km) northwest of Tishomingo, Miss.	.15	1972, 1974-77	5-26-78 7- 1-78	.28 .41
024299794	King Creek tributary No. 2	Lat 34°38'28", long 88°15'03", in S $\frac{1}{4}$ sec.16, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on Natchez Trace, 1.1 mi (1.8 km) northwest of Tishomingo, Miss.	.08	1972, 1976-77	5-26-78 7- 1-78	.07 .02
024299814	Mackeys Creek tributary	Lat 34°38'26", long 88°15'34", in SW $\frac{1}{4}$ sec.16, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on Natchez Trace, 1.2 mi (1.9 km) south of Paden, Miss.	.19	1972, 1974-77	5-26-78 7- 1-78	.24 .19
02429985	Sandy Hook Creek	Lat 34°38'16", long 88°17'06", in NE $\frac{1}{4}$ sec.19, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 1.8 mi (2.9 km) southwest of Paden, Miss.	1.13	1972, 1974-77	5-27-78 7- 1-78	1.11 .54
02429987	Reedy Branch	Lat 34°38'04", long 88°17'02", in NW $\frac{1}{4}$ sec.19, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road 2.3 mi (3.7 km) southwest of Paden, Miss.	.82	1972, 1975-77	5-27-78 7- 1-78	.42 .22
02429988	Reedy Branch tributary	Lat 34°38'02", long 88°17'36", in NW $\frac{1}{4}$ sec.19, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road 2.3 mi (3.7 km) southwest of Paden, Miss.	.53	1972, 1976-77	5-27-78 7- 1-78	.26 .07
02429996	Riddle Creek	Lat 34°37'26", long 88°19'31", in NW $\frac{1}{4}$ sec.26, T.5 S., R.9 E., Chicka- saw Meridian, Tishomingo County, on county road, 1.3 mi (7.1 km) southeast of Burton, Miss.	3.72	1972, 1975-77	7- 1-78	.42
02430030	Rock Creek	Lat 34°31'09", long 88°15'26", in NW $\frac{1}{4}$ sec.33, T.6 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 2.9 mi (4.7 km) west of Belmont, Miss.	4.33	1972, 1976-77	5-28-78	3.10

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurement made in Tennessee-Tombigbee Study Area, Mississippi, during water year 1978--Continued

Station no.	Stream	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Mobile River basin--Continued						
02430048	Jourdan Creek	Lat 34°32'33", long 88°16'26", in SW¼ sec.20, T.6 S., R.10 E., Chickasaw Meridian, Tishomingo County, on State Highway 4, 2.9 mi (4.7 km) southwest of Dennis, Miss.	5.74	1972, 1974-77	5-28-78	2.92
02430110	Caveness Branch	Lat 34°29'15", long 88°21'23", in N¼ sec.9, T.7 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 1.8 mi (2.9 km) northwest of Moores Mill, Miss.	4.45	1972, 1974-77	5-28-78	3.07
02430120	Pounds Creek	Lat 34°29'15", long 88°21'31", in NW¼ sec.9, T.7 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 1.9 mi (3.1 km) northwest of Moores Mill, Miss.	3.53	1972, 1974-77	5-28-78	1.47
02430126	Saucer Creek	Lat 34°28'05", long 88°20'18", in S¼ sec.15, T.7 S., R.9 E., Chickasaw Meridian, Prentiss County, on county road, 1.8 mi (2.9 km) southwest of Moores Mill, Miss.	8.97	1972, 1974-77	5-28-78	6.01
02430150	Mackeys Creek tributary	Lat 34°27'38", long 88°21'32", in NW¼ sec.21, T.7 S., R.9 E., Chickasaw Meridian, Itawamba County, on county road, 2.3 mi (3.7 km) southwest of Moores Mill, Miss.	.85	1972, 1974-77	5-28-78	.92
03592546	Rutledge Branch	Lat 34°43'11", long 88°13'50", in NE¼ sec.22, T.4 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 0.9 mi (1.4 km) south southwest of Midway, Miss.	1.05	1972, 1975-77	6-29-78	.28
03592550	Cripple Deer Creek	Lat 34°41'54", long 88°13'14", in SW¼ sec.26, T.4 S., R.10 E., Chickasaw Meridian, Tishomingo County, on State Highway 25, 4.2 mi (6.8 km) north of Tishomingo, Miss.	11.1	1953-57, 1959-60, 1972, 1974-77	6-29-78	.74
03592554	Trigger Branch	Lat 34°39'19", long 88°12'30", in SE¼ sec.11, T.5 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 1.9 mi (3.1 km) northeast of Tishomingo, Miss.	--	1974-77	6-29-78	.88
03592559	Little Cripple Deer Creek	Lat 34°46'22", long 88°13'04", in SW¼ sec.11, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, on State Highway 25, 3.0 mi (4.8 km) southwest of Iuka, Miss.	.60	1972, 1974, 1976-77	6-29-78	<.01
03592560	Cripple Deer Creek tributary	Lat 34°46'25", long 88°13'01", in center of sec.35, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, on State Highway 25, 2.9 mi (4.7 km) southwest of Iuka, Miss.	.82	1972, 1974, 1976-77	6-28-78	.08
03592561	Little Cripple Deer Creek tributary	Lat 34°46'08", long 88°13'05", in S¼ sec.35, T.3 S., R.10 E., Chickasaw Meridian, Tishomingo County, on State Highway 25, 3.3 mi (5.3 km) southwest of Iuka, Miss.	.89	1972, 1974-77	6-29-78	.07
03592563	Little Cripple Deer Creek	Lat 34°44'03", long 88°11'43", in NE¼ sec.13, T.4 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 1.7 mi (2.7 km) east of Midway, Miss.	7.17	1972, 1974-77	6-29-78	.53

Discharge measurements made in Tennessee-Tombigbee Study Area, Mississippi, during water year 1978--Continued

Station no.	Stream	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements Date	Discharge (ft ³ /s)
Tennessee River basin--Continued						
03592565	Moore Branch	Lat 34°44'01", long 88°11'49", in NE¼ sec.13, T.4 S., R.10 E., Chickasaw Meridian, Tishomingo County, on county road, 1.6 mi (2.6 km) east of Midway, Miss.	3.51	1972, 1974-77	6-29-78	0.53
03592647	Yellow Creek	Lat 34°43'35", long 88°20'28", in S½ sec.15, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 364, 0.4 mi (0.6 km) east of Cairo, Miss.	7.69	1972, 1975-77	6-28-78	0
03592652	Clausel Creek	Lat 34°44'06", long 88°21'04", in NE¼ sec.16, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 365, 0.6 mi (1.0 km) north northwest of Cairo, Miss.	2.59	1972, 1975-77	5-20-78 6-28-78	.85 0
03592654	Clausel Creek tributary	Lat 34°44'10", long 88°21'06", in NE¼ sec.16, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 365, 0.7 mi (1.1 km) north northwest of Cairo, Miss.	2.54	1972, 1975, 1977	5-26-78 6-28-78	1.03 <.01
03592656	Clausel Creek tributary	Lat 34°44'22", long 88°21'12", in N¼ sec.16, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 365, 0.9 mi (1.4 km) northwest of Cairo, Miss.	.30	1972, 1974-77	5-24-78 5-26-78	.14 .23
03592662	Tributary of Yellow Creek tributary No. 2	Lat 34°44'22", long 88°18'16", in N¼ sec.13, T.4 S., R.9 E., Chick- asaw Meridian, Tishomingo County, on county road, 0.6 mi (1.0 km) north of Holcut, Miss.	.95	1972, 1975, 1977	6-29-78	.01
03592663	Yellow Creek tributary	Lat 34°44'16", long 88°18'16", in N¼ sec.13, T.4 S., R.9 E., Chickasaw Meridian, Tishomingo County, on county road 0.4 mi (0.6 km) north of Holcut, Miss.	.57	1972, 1974-77	6-29-78	.10
03592668	Pigeon Roost Branch	Lat 34°45'13", long 88°21'08", in NE¼ sec.9, T.4 S., R.9 E., Chickasaw Meridian, Prentiss County, on State Highway 365, 1.5 mi (2.4 km) southwest of Holts Spur, Miss.	1.15	1972, 1975-77	5-26-78 6-28-78	.64 0
03592670	Berea Creek	Lat 34°47'15", long 88°19'50", in S½ sec.26-27, T.3 S., R.9 E., Chickasaw Meridian, Tishomingo County, on State Highway 365, 1.2 mi (1.9 km) north of Holts Spur, Miss.	8.60	1972, 1974-77	6-28-78	1.27
03592710	Little Yellow Creek East	Lat 34°49'07", long 88°16'55", in SE¼ sec.18, T.3 S., R.9 E., Chickasaw Meridian, Tishomingo County, on U.S. Highway 72, 2.7 mi (2.7 km) southwest of Burnsville, Miss.	11.9	1972, 1974-75, 1977	6-28-78	3.52

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

Samples are collected at sites other than gaging stations and partial-record stations to give better areal coverage in a river basin. Such sites are referred to as miscellaneous sites.

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	OXYGEN, DIS-SOLVED (MG/L)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)
------	------	----------------------------------	------------	---------------------	-------------------------------	---------------------------	--------------------------	--	---------------------------------

02474600 - BOGUE HOLLOW NR RICHTON, MS. (LAT 31 24 12 LONG 089 01 18)

APR , 1978									
24...	1615	165	--	20.0	--	--	--	--	--
AUG									
22...	0930	60	6.6	25.5	50	--	12	4	3.2

02474798 - BEAVERDAM CREEK AT RICHTON, MS (LAT 31 22 00 LONG 088 56 10)

APR , 1978									
24...	1430	25	--	20.5	--	8.8	--	--	--
AUG									
22...	1230	25	6.3	24.0	25	--	5	3	1.3

02479150 - CYPRESS CREEK NEAR NEW AUGUSTIA, MS (LAT 31 07 10 LONG 089 00 50)

APR , 1978									
25...	1330	25	--	20.8	--	6.5	--	--	--
AUG									
23...	0815	25	5.6	24.5	110	--	4	2	.9

02489190 - DILLON CREEK AT LAMPTON, MS (LAT 31 10 07 LONG 089 46 45)

APR , 1978									
26...	1050	38	--	15.0	--	--	--	--	--
AUG									
24...	0955	30	6.3	23.0	30	--	11	3	2.4

02489249 - LOWER LITTLE CREEK NEAR PINEBUR, MS (LAT 31 08 37 LONG 089 45 05)

APR , 1978									
26...	1110	22	--	16.5	--	--	--	--	--
AUG									
24...	0925	26	6.3	24.0	55	--	6	5	1.6

DATE	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO SODIUM PERCENT	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)
------	--	--	--	---	--	------------------------------------	--	---

02474600 - HUGUE HOMO NR RICHTON, MS. (LAT 31 24 12 LONG 089 01 18)

APR , 1978								
24...	--	--	--	--	--	--	--	--
AUG								
22...	.9	4.0	39	.5	1.6	9	0	7 3.6

02474798 - BEAVERDAM CREEK AT RICHTON, MS (LAT 31 22 00 LONG 088 56 10)

APR , 1978								
24...	--	--	--	--	--	--	--	--
AUG								
22...	.5	2.0	40	.4	.9	3	0	2 2.4

02479150 - CYPRESS CREEK NEAR NEW AUGUSTA, MS (LAT 31 07 10 LONG 089 00 50)

APR , 1978								
25...	--	--	--	--	--	--	--	--
AUG								
23...	.4	2.2	39	.5	2.8	2	0	2 8.0

02489190 - DILLON CREEK AT LAMPTON, MS (LAT 31 10 07 LONG 089 46 45)

APR , 1978								
26...	--	--	--	--	--	--	--	--
AUG								
24...	1.1	3.9	41	.5	1.2	9	0	7 7.2

02489249 - LOWER LITTLE CREEK NEAR PINEBUR, MS (LAT 31 08 37 LONG 089 45 05)

APR , 1978								
26...	--	--	--	--	--	--	--	--
AUG								
24...	.6	1.8	34	.3	1.0	2	0	2 1.6

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DATE	SULFATE DIS- SOLVED (MG/L AS SU4)	CHLORIDE, DIS- SOLVED (MG/L AS CL)	FLUORIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	IRON, DIS- SOLVED (UG/L AS FE)	MANGANESE, DIS- SOLVED (UG/L AS MN)
------	---	--	---	---	--	--	---	--	---

02474600 - BOGUE HOMO NR RICHTON, MS. (LAT 31 24 12 LONG 089 01 18)

APR , 1978									
24...	--	--	--	--	--	--	--	--	--
AUG									
22...	4.0	6.7	.0	6.8	54	32	.07	480	100

02474798 - BEAVERDAM CREEK AT RICHTON, MS (LAT 31 22 00 LONG 088 56 10)

APR , 1978									
24...	--	--	--	--	--	--	--	--	--
AUG									
22...	1.3	3.3	.0	9.8	32	21	.04	180	40

02479150 - CYPRESS CREEK NEAR NEW AUGUSTA, MS (LAT 31 07 10 LONG 089 00 50)

APR , 1978									
25...	--	--	--	--	--	--	--	--	--
AUG									
23...	3.6	4.6	.0	13	52	29	.07	360	30

02489190 - DILLON CREEK AT LAMPTON, MS (LAT 31 10 07 LONG 089 46 45)

APR , 1978									
26...	--	--	--	--	--	--	--	--	--
AUG									
24...	2.4	5.6	.0	11	55	32	.07	170	110

02489249 - LOWER LITTLE CREEK NEAR PINEBUR, MS (LAT 31 08 37 LONG 089 45 05)

APR , 1978									
26...	--	--	--	--	--	--	--	--	--
AUG									
24...	2.9	2.4	.0	8.4	36	20	.05	260	40

Short-term water-quality stations are sites established on selected stream reaches and estuaries to collect water-quality data systematically over a 24- to 72-hour period for use in hydrologic analysis. These data are collected during intensive water-quality studies generally conducted at lower stream discharge and higher stream temperature. Data for estuary studies generally are collected once or twice daily at near high and near low tides.

BAYOU CASOTTE AND BAYOU CHICO STUDY NEAR PASCAGOULA, MS

30210R08302800 - BAYOU CASOTTE NP MUSS POINT, MS

024710917

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

				SPE- CIFIC CON- DUCT- ANCE (MICRO- MHQS)		PH	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	
DATE	TIME	SAMP- LING DEPTH (FT)				(UNITS)			
JUL									
25...	1001	1.0	41800	8.3	28.5	6.9			
25...	1002	5.0	42100	8.2	28.5	6.5			
25...	1003	10	42200	8.2	28.5	6.4			
25...	1004	15	42300	8.2	28.5	6.3			
25...	1931	1.0	34300	7.7	28.0	5.0			
25...	1932	5.0	38300	7.9	28.0	6.0			
25...	1933	10	40500	8.0	28.0	5.2			
26...	0831	1.0	27400	7.7	27.0	5.8			
26...	0832	5.0	34000	7.9	27.5	6.1			
26...	0833	10	35800	8.1	27.5	5.7			
26...	0834	15	40300	8.1	28.5	4.7			
26...	1801	1.0	29300	7.7	27.5	4.7			
26...	1802	5.0	33900	7.8	27.5	4.1			
26...	1803	10	39300	8.0	28.5	3.8			
26...	1804	15	41800	8.0	28.5	3.1			
DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCO FECAL, KF AGAR (COLS. PFR 100 ML)	SULFATE DTS- SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
JUL									
25...	1000	3.4	K8600	400	1600	235	.14	.02	.16
25...	1930	3.2	K11000	K11000	1400	15	.35	.02	.37
26...	0830	2.3	K9900	4000	--	23	.14	.02	.16
26...	1800	--	9600	K16000	--	13	.16	.02	.18
DATE	TIME	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, PHOSPHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPHOSPHATE, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL									
25...		.72	1.1	1.8	2.0	8.7	4.3	.69	11
25...		.00	2.7	2.7	3.1	14	1.6	1.3	9.5
26...		.96	.14	1.1	1.3	5.6	.59	.51	--
26...		1.1	.50	1.6	1.8	7.9	.75	.67	--

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

BAYOU CASOTTE AND BAYOU CHICO STUDY NEAR PASCAGOULA, MS--Continued

302020088303300 - BAYOU CASOTTE NR PASCAGOULA, MS 024710919

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUL						
25...	0931	1.0	41000	8.3	28.5	7.2
25...	0932	5.0	41000	8.3	28.5	7.2
25...	0933	10	41000	8.3	28.5	7.3
25...	0934	15	41500	8.4	28.5	7.2
25...	0935	20	42800	8.4	29.0	7.5
25...	0936	25	43300	8.5	29.0	7.7
25...	0937	30	44900	8.4	29.5	6.5
25...	0938	35	46900	8.1	29.5	2.6
25...	0939	40	48100	8.1	29.5	1.1
25...	0940	45	48600	8.1	29.5	.7
25...	1901	1.0	36000	8.2	27.5	7.3
25...	1902	5.0	39700	8.3	28.0	7.1
25...	1903	10	40100	8.3	28.5	7.1
25...	1904	15	40600	8.3	28.5	6.8
25...	1905	20	40600	8.3	28.5	6.8
25...	1906	25	41200	8.3	28.5	6.5
25...	1907	30	42100	8.3	28.5	6.0
25...	1908	35	43800	8.2	28.5	4.3
25...	1909	40	47200	8.2	29.5	2.6
25...	1910	45	49500	8.2	29.5	2.9
26...	0801	1.0	30600	8.0	27.0	6.8
26...	0802	5.0	33200	8.0	27.0	6.2
26...	0803	10	36300	8.1	27.5	6.3
26...	0804	15	40600	8.1	28.0	5.1
26...	0805	20	46800	8.2	29.0	3.8
26...	0806	25	47000	8.2	29.5	3.4
26...	0807	30	48200	8.2	29.5	3.4
26...	0808	35	49100	8.2	29.5	3.0
26...	0809	40	49400	8.2	29.5	2.5
26...	1731	1.0	33600	8.0	27.5	6.1
26...	1732	5.0	35400	8.0	28.0	5.5
26...	1733	10	38900	8.0	28.0	4.4
26...	1734	15	43600	8.1	28.5	3.5
26...	1735	20	44900	8.2	28.5	3.4
26...	1736	25	46400	8.2	29.0	3.1
26...	1737	30	46700	8.2	29.0	2.5

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLT- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCL FECAL, KF AGAR (COLS. PFR 100 MI)	SULFATE DIS- SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
JUL									
25...	0930	2.7	K8200	220	1900	16	.03	.02	.05
25...	1900	2.9	4700	1100	1700	10	.02	.01	.03
26...	0800	1.9	K10000	920	--	13	.04	.01	.05
26...	1730	--	2200	1500	--	27	.07	.01	.08

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOP. TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL								
25...	.53	.12	.65	.70	3.1	.39	.34	9.0
25...	.41	.37	.78	.81	3.6	.29	.24	8.1
26...	.51	.09	.60	.65	2.9	.31	.27	--
26...	.71	.13	.84	.92	4.1	.41	.39	--

BAYOU CASOTTE AND BAYOU CHICO STUDY NEAR PASCAGOULA, MS--Continued

02471092 - BAYOU CASOTTE AT MOUTH NR PASCAGOULA, MS

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

BAYOU CASOTTE AND BAYOU CHICO STUDY NEAR PASCAGOULA, MS--Continued

02471092 - BAYOU CASOTTE AT MOUTH NR PASCAGOULA, MS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	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	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CAC03)
JUL 26...	1645	15	6.0	4600	4500	330	920	8000	51	110	0	90
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)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	ARSENIC TOTAL IN ROT- TOM MA- TERIAL (UG/L AS AS)	ARSENIC TOTAL IN ROT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
JUL 26...	1900	12000	.7	1.2	23900	23200	32.5	1	2	7	10	30
DATE	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)
JUL 26...	10	0	10	24	10	440	14000	24	10	110	230	.5
DATE	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	TI- TANIUM, TOTAL RECOV- ERABLE (UG/L AS TI)	TI- TANIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV- GRAVI- METRIC (MG/L)
JUL 26...	.0	14	10	0	0	<260	9400	80	60	8.1	5	1

BAYOU CASOTTE AND BAYOU CHICO STUDY NEAR PASCAGOULA, MS--Continued

02471092 - BAYOU CASOTTE AT MOUTH NR PASCAGOULA, MS--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1977 TO SEPTMBER 1978

DATE	TIME	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	
JUL 26...	1645	.0	0	.00	.00	.0	.0	0	.00	.0	
DATE		DDF, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)
JUL 26...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.00	.00
DATE		ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)
JUL 26...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.00
DATE		MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUL 26...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.00	.0
DATE		TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUL 26...	0	0	.00	.0	.00	0	.00	0	.00	.00	.0

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

BAYOU CASOTTE AND BAYOU CHICO STUDY NEAR PASCAGOULA, MS--Continued

302025088311500 - BAYOU CHICO AT MOUTH NR PASCAGOULA, MS 024710927

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

				SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DFG C)	OXYGEN, DIS- SOLVED (MG/L)			
DATE	TIME	SAMP- LING DEPTH (FT)			(UNITS)					
JUL										
25...	1031	1.0	17600	7.8	26.5	5.2				
25...	2001	1.0	44500	7.5	26.5	4.5				
26...	0901	1.0	24500	7.7	27.0	5.0				
26...	1831	1.0	28800	7.6	27.5	3.3				
DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FFCAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. 100 ML)	SULFATE DIS- SOLVED (MG/L AS SO4)	SOLIDS, RESIDUE AT 105 DFG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	
JUL										
25...	1030	4.6	K30000	K21000	660	27	.07	.02	.09	
25...	2000	4.2	E63000	K38000	110	7	.08	.03	.11	
26...	0900	3.2	K25000	K12000	--	16	.06	.03	.09	
26...	1830	--	24000	K40000	--	15	.20	.02	.22	
DATE	TIME	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)	
JUL										
25...		.77	.73	1.5	1.6	7.0	.44	.35	9.3	
25...		.81	.89	1.7	1.8	8.0	.53	.44	8.6	
26...		.93	.77	1.7	1.8	7.9	.71	.63	--	
26...		.76	1.0	1.8	2.0	8.9	.42	.31	--	

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS

302954088344000 - PASCAGOULA RIVER AT MI 14

024793409

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

		SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)					PH	TEMPER- ATURE (DEG C)	OXYGEN, DTS- SOLVED (MG/L)
DATE	TIME	SAMP- LING DEPTH (FT)						(UNITS)	
JUL									
18...	1351	1.0	72	5.9	30.5	6.5			
18...	1352	5.0	69	5.9	30.5	6.5			
18...	1353	10	67	5.8	30.5	6.4			
18...	1354	15	67	5.9	30.5	6.3			
19...	2000	1.0	65	5.7	28.5	--			
19...	2001	5.0	75	--	28.5	--			
DATE	TIME	COLOR (PLAT- NUM- CORAL UNITS)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 H-MF (COLS./ 100 ML)	STREP- TOCOCCT FECAL, KF AGAR (COLS. PER 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
JUL									
18...	1350	55	1.9	2300	K15	12	.21	.00	.21

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPHOS- PHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL								
18...	.04	1.1	1.1	1.3	5.8	.04	.02	5.2

02479341 - PASCAGOULA RIVER AT MI 13 NR COLL TOWN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DTS- SOLVED (MG/L)
JUL						
18...	1341	1.0	160	6.1	31.0	6.4
18...	1342	5.0	150	6.0	30.5	6.3
18...	1343	10	510	5.8	30.5	5.8
19...	1951	1.0	52	6.6	30.5	7.0
19...	1952	5.0	52	6.3	30.5	7.0
19...	1953	8.0	50	6.2	30.5	6.8

02479342 - PASCAGOULA RIVER AT MI 12 NR COLL TOWN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DTS- SOLVED (MG/L)
JUL						
18...	1321	1.0	150	5.9	31.0	6.4
18...	1322	5.0	680	5.9	31.0	6.1
18...	1323	10	5100	5.9	31.0	1.5
18...	1324	15	14800	6.1	28.5	.6
18...	1325	20	17100	6.3	28.0	.3
18...	1326	25	19000	6.4	27.5	.3
18...	1327	30	19400	6.5	27.5	.3
19...	1941	1.0	175	6.2	30.5	6.3
19...	1942	5.0	425	6.0	30.5	6.1
19...	1943	10	875	5.8	30.5	5.6
19...	1944	15	12600	5.6	30.0	.4
19...	1945	20	15800	5.9	28.0	.4
19...	1946	25	17600	6.1	27.5	.4

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02479342 - PASCAGOULA RIVER AT MI 12 NR COLL TOWN, MS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	COLOR (PLAT- NUM- CORAL T UNITS)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCT FFCAL, KF AGAR (COLS. PER 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
JUL									
18...	1320	25	1.9	1000	K46	56	.11	.00	.11
19...	1940	30	1.2	K16	K42	18	.12	.01	.13

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL								
18...	.30	1.0	1.3	1.4	6.2	.12	.01	6.1
19...	.18	.82	1.0	1.1	5.0	.05	.02	5.0

302R220R8332500 - PASCAGOULA RIVER AT MT 11

024793422

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUL						
18...	1301	1.0	260	6.1	31.5	6.7
18...	1302	5.0	300	6.0	31.5	6.1
18...	1303	10	5300	5.7	30.0	2.6
18...	1304	15	14600	6.0	29.0	1.2
19...	1931	1.0	730	6.2	30.5	6.3
19...	1932	5.0	911	6.0	30.5	6.2
19...	1933	10	1100	5.8	30.5	5.9
19...	1934	15	1100	5.6	30.0	3.6

3027250R8333700 - PASCAGOULA RIVER AT MT 10

024793427

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUL						
18...	1231	1.0	690	6.1	31.0	6.4
18...	1232	5.0	780	5.9	31.0	5.6
18...	1233	10	7500	5.8	30.0	2.1
18...	1234	15	14900	6.0	28.5	1.2
19...	1921	1.0	800	6.2	30.5	6.4
19...	1922	5.0	800	6.0	30.5	6.3
19...	1923	10	1000	5.9	30.5	5.9
19...	1924	15	900	5.7	30.0	2.8

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302725088333700 - PASCAGOULA RIVER AT MI 10--CONTINUED 024793427

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	COLOR (PLAT- INUM- CORALIT UNITS)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCT FECAL, KF AGAR (COLS. PER 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
JUL									
18...	1230	30	2.5	2900	K65	4	.12	.01	.13
19...	1920	30	1.3	100	K81	17	.17	.01	.18

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL								
18...	.18	.74	.92	1.1	4.6	.05	.02	4.9
19...	.05	.46	.51	.69	3.1	.03	.01	4.1

302648088340600 - PASCAGOULA RIVER AT MI 9

024793428

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DTS- SOLVED (MG/L)
JUL						
18...	1221	1.0	940	6.1	31.0	6.3
18...	1222	5.0	1100	5.9	31.0	6.1
18...	1223	10	5200	5.8	30.0	3.4
19...	1911	1.0	800	6.3	30.5	6.2
19...	1912	5.0	1000	6.1	30.5	6.0
19...	1913	10	1800	5.9	30.5	5.5

DATE	TIME	COLOR (PLAT- INUM- CORALIT UNITS)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCT FECAL, KF AGAR (COLS. PER 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
JUL									
18...	1220	45	1.9	K42	K8	2	.17	.02	.19
19...	1910	50	1.7	160	K65	0	.17	.01	.18

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL								
18...	.04	1.1	1.1	1.3	5.7	.03	.01	6.0
19...	.11	.99	1.1	1.3	5.7	.03	.01	9.1

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02479343 - PASCAGOULA RIVER AT MI 8 NR ESCATAWPA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
JUL									
	DATE	TIME							
	18...	1211	1.0	1100	6.1	31.0	6.2		
	18...	1212	5.0	3200	5.9	30.5	3.9		
	18...	1213	10	15800	6.3	29.0	3.2		
	18...	1214	15	18900	6.7	28.5	3.1		
	18...	1215	20	20500	6.9	28.5	2.4		
	18...	1216	25	21900	6.9	27.5	.6		
	19...	1856	1.0	1400	6.2	30.5	6.3		
	19...	1857	5.0	1600	6.1	30.5	5.9		
	19...	1858	10	2100	5.9	30.5	3.8		
	19...	1859	15	8900	5.9	30.0	2.2		
	19...	1900	20	11300	6.1	29.0	1.8		
	19...	1901	25	14400	6.3	29.0	1.7		
		COLOR (PLAT- INUM- CORAL UNITS)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI AT 105 KF AGAR SUS- PER (MG/L)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
JUL									
	18...	1210	40	1.9	K65	K58	17	.15	.01
	19...	1855	30	.9	120	K58	16	.11	.01
		NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOP. TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL									
	18...	.09	1.3	1.4	1.6	6.9	.04	.01	5.0
	19...	.14	.45	.59	.71	3.1	.05	.02	8.3

30252608333600 - PASCAGOULA RIVER AT MI 7

024793431

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUL						
18...	1151	1.0	1800	6.1	31.0	6.3
18...	1152	5.0	1200	5.9	30.0	4.6
18...	1153	10	15000	6.4	29.0	4.1
18...	1154	15	20300	6.8	28.5	2.6
19...	1846	1.0	1900	6.1	31.0	6.4
19...	1847	5.0	2100	6.1	31.0	5.8
19...	1848	10	5000	5.9	30.5	4.4
19...	1849	15	8100	6.0	30.0	2.5

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302526088333600 - PASCAGOULA RIVER AT MI 7 --CONTINUED 024793431

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	COLOR (PLAT- INUM- CORALIT UNITS)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCT FECAL, KF AGAR (COLS. PER 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
JUL									
18...	1150	20	4.0	K120	KR	25	.09	.01	.10
19...	1845	50	1.4	84	K77	6	.13	.01	.14

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL								
18...	.09	1.1	1.2	1.3	5.8	.07	.02	5.4
19...	.05	.67	.72	.86	3.8	.03	.01	6.7

302541088290100 - ESCATAWPA RIVER AT MI 7--CONTINUED 024802053

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUL						
18...	1631	1.0	42	6.0	28.5	5.4
18...	1632	5.0	45	5.7	28.5	5.4
18...	1633	10	45	5.4	28.5	5.4
18...	1634	15	45	5.3	28.5	5.4
18...	1635	20	45	5.2	28.5	5.4
18...	1636	25	45	5.1	28.5	5.4
18...	1637	30	80	5.0	28.5	5.4
18...	1638	35	160	5.1	28.5	5.4
19...	2231	1.0	32	6.2	28.5	6.1
19...	2232	5.0	32	5.9	28.5	6.1
19...	2233	10	32	5.7	28.5	6.1
19...	2234	15	32	5.6	28.5	6.1
19...	2235	20	32	5.4	28.5	6.1
19...	2236	25	32	5.2	28.5	6.0
19...	2237	30	32	5.2	28.5	6.0
19...	2238	35	33	5.1	28.5	5.0

DATE	TIME	COLOR (PLAT- INUM- CORALIT UNITS)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCT FECAL, KF AGAR (COLS. PER 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
JUL									
18...	1630	80	1.4	140	100	11	.14	.01	.15
19...	2230	80	1.2	130	130	4	.12	.00	.12

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPHOSPHATE TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL								
18...	.01	.51	.52	.67	3.0	.02	.00	6.5
19...	.00	.51	.51	.63	2.8	.01	.00	5.4

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302512088292200 - ESCATAWPA RIVER AT MI 6

024802054

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
JUL									
18...	1621	1.0	1000	5.6	28.5	4.4			
18...	1622	5.0	1300	5.5	28.5	4.2			
18...	1623	10	1500	5.5	28.5	3.3			
18...	1624	15	2300	5.4	28.5	1.7			
19...	2211	1.0	200	6.1	28.5	6.5			
19...	2212	5.0	235	5.7	28.5	6.5			
19...	2213	10	330	5.3	28.5	6.5			
19...	2214	15	427	5.2	28.5	6.7			
		OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FFCAL, KF-AGAR (COLS. PER 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	
JUL									
18...	1620	55	1.8	250	260	14	.10	.01	.11
19...	2210	80	1.3	160	150	7	.12	.00	.12

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL								
18...	.09	1.3	1.4	1.5	6.7	.03	.00	4.6
19...	.05	.76	.81	.93	4.1	.02	.00	6.1

302515088301300 - ESCATAWPA RIVER AT MI 5

024802055

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUL						
18...	1606	1.0	2400	5.8	28.5	2.5
18...	1607	5.0	2600	5.6	28.5	2.2
18...	1608	10	4000	5.7	28.5	1.2
18...	1609	15	6400	5.7	28.5	.2
19...	2146	1.0	320	5.8	28.5	5.8
19...	2147	5.0	320	5.7	28.5	5.8
19...	2148	10	330	5.5	28.5	5.8
19...	2149	15	500	5.3	28.5	6.0

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302515088301300 - ESCATAWPA RIVER AT MI 5--CONTINUED 024802055

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	COLOR (PLAT- INUM- CORALIT UNITS)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STRFP- TOCOCCT FFCAL, KF AGAR (COLS. PER 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDEO (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
JUL									
18...	1605	50	1.6	700	440	6	.07	.01	.08
19...	2145	120	1.3	250	200	9	.10	.01	.11

DATE	NITRO- GFN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GFN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GFN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOP. TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL								
18...	.18	1.4	1.6	1.7	7.4	.04	.01	7.2
19...	.08	.73	.81	.92	4.1	.02	.00	8.6

302524088304400 - ESCATAWPA RIVER AT MI 4

024802057

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DTS- SOLVED (MG/L)
JUL						
18...	1556	1.0	3000	5.9	29.0	2.1
18...	1557	5.0	3400	5.7	29.0	2.0
18...	1558	10	3400	5.7	29.5	1.8
18...	1559	15	7200	5.8	28.5	.2
18...	1600	20	12000	6.2	28.0	.2
18...	1601	25	14600	6.4	28.0	.2
19...	2131	1.0	650	5.7	28.5	4.5
19...	2132	5.0	750	5.6	28.5	4.3
19...	2133	10	950	5.4	28.5	4.0
19...	2134	15	1100	5.3	28.5	4.0

DATE	TIME	COLOR (PLAT- INUM- CORALIT UNITS)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STRFP- TOCOCCT FFCAL, KF AGAR (COLS. PER 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDEO (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
JUL									
18...	1555	65	1.6	2500	900	9	.06	.01	.07
19...	2130	65	1.7	780	370	5	.09	.01	.10

DATE	NITRO- GFN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GFN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GFN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOP. TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL								
18...	.18	.76	.94	1.0	4.5	.05	.01	5.9
19...	.08	.70	.78	.88	3.9	.03	.01	4.2

302455088313100 - ESCATAWPA RIVER AT MI 3

024802061

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPEC- IFIC CON- DUCT- ANCE (MICRO- MHUS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUL						
18...	1541	1.0	4600	5.8	30.0	1.2
18...	1542	5.0	4600	5.8	29.5	1.1
18...	1543	10	7700	5.8	29.0	.1
18...	1544	15	14900	6.2	28.0	.1
18...	1545	20	16300	6.3	28.0	.1
19...	2106	1.0	2100	4.5	29.0	2.5
19...	2107	5.0	2200	4.7	29.0	2.4
19...	2108	10	3200	4.8	29.0	1.6
19...	2109	15	3400	5.2	29.0	.5
19...	2110	20	14000	5.8	28.5	.5

DATE	TIME	COLOR (PLAT- NUM- CORAL UNITS)	XYGFN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	CULI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TUCCCI FECAL, KF AGAR (COLS. PER 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C. SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
JUL									
18...	1540	65	3.0	2800	1800	28	.03	.01	.04
19...	2105	120	3.3	690	920	13	.05	.01	.06

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPH- TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL								
18...	.31	1.2	1.5	1.5	6.8	.09	.03	9.1
19...	.19	1.2	1.4	1.5	6.5	.05	.00	8.1

302459088320800 - ESCATAWPA RIVER AT MI 2

024802064

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DTS- SOLVED (MG/L)
JUL						
18...	1521	1.0	3200	5.7	32.5	4.8
18...	1522	5.0	3700	5.7	30.5	.1
18...	1523	10	7700	5.8	29.0	.3
18...	1524	15	14100	6.1	28.5	.5
18...	1525	20	16400	6.3	28.0	.4
19...	2051	1.0	3300	5.9	29.0	1.5
19...	2052	5.0	3300	5.8	29.0	1.3
19...	2053	10	3500	5.7	29.0	.8
19...	2054	15	3600	5.7	29.0	.5
19...	2055	20	4300	5.7	29.0	.5

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302459088320800 - ESCATAWPA RIVER AT MI 2--CONTINUED 024802064

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCEI FECAL, KF AGAR (COLS. PER 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDEED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
JUL									
18...	1520	80	4.4	1200	200	21	.03	.01	.04
19...	2050	150	2.0	K15000	1300	5	.03	.01	.04

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOD. TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL								
18...	.16	1.2	1.4	1.4	6.4	.07	.02	12
19...	.28	.92	1.2	1.2	5.5	.07	.02	8.5

02480207 - ESCATAWPA RIVER AT MOSS POINT, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUL						
18...	1446	1.0	3400	5.9	31.0	3.9
18...	1447	5.0	3400	5.8	30.0	2.3
18...	1448	10	5100	5.7	29.0	.7
18...	1449	15	15700	6.2	28.5	1.2
19...	2041	1.0	3600	5.9	29.5	2.2
19...	2042	5.0	3700	5.8	29.5	2.1
19...	2043	10	3900	5.8	29.5	2.0
19...	2044	15	5000	5.7	29.5	.9

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCEI FECAL, KF AGAR (COLS. PER 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDEED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
JUL									
18...	1445	110	3.4	1100	250	16	.06	.01	.07
19...	2040	65	1.9	K15000	900	9	.05	.01	.06

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOD. TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL								
18...	.19	1.8	2.0	2.1	9.2	.06	.01	5.9
19...	.21	.89	1.1	1.2	5.1	.05	.02	8.4

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480207 - ESCATAWPA RIVER AT MOSS POINT, MS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L 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	BICAR- BONATE (MG/L AS HCO3)
JUL 19...	1400	65	3.0	740	720	47	150	1300	21	22

DATE	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CACO3)	CARRON DIOXIDE DIS- SOLVED (MG/L AS CO2)	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)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
JUL 19...	0	18	22	330	2300	.1	4.9	4380	4140	5.96

DATE	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV. FM BOT- TOM MA- TERIAL (UG/L AS CR)	CHRO- MIUM, TOTAL RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CR)	COBALT, TOTAL RECOV. FM BOT- TOM MA- TERIAL (UG/L AS CU)	COBALT, TOTAL RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	COPPER, TOTAL RECOV. FM BOT- TOM MA- TERIAL (UG/L AS CU)	COPPER, TOTAL RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)
JUL 19...	1	0	0	10	10	100	0	0	14	10

DATE	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PR)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)
JUL 19...	500	5800	2	10	80	90	.5	.0	9	80

DATE	SFLE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	TI- TANIUM, TOTAL RECOV- ERABLE (UG/L AS TI)	TI- TANIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
JUL 19...	0	0	<50	6500	20	30	9.6	0	1

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480207 - ESCATAWPA RIVER AT MOSS POINT, MS. --CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

		PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL IN ROT- TOM MA- TERIAL (UG/L)	ALDRIN, TOTAL IN ROT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN ROT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN ROT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN ROT- TOM MA- TERIAL (UG/KG)
DATE	TIME									
JUL 19...	1400	.0	0	.00	.00	.0	.0	0	.00	.0

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN ROT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN ROT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN ROT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN ROT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)
JUL 19...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.00

DATE	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTA- CHLOR, TOTAL EPOXIDE TOT. IN BOTTOM MATL. (UG/L)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)
JUL 19...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUL 19...	.0	.00	.0	.00	.0	.00	.0	.00	.00	.0

DATE	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN ROT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL (UG/L)	TRI- THION, TOTAL IN ROT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-D, TOTAL IN ROT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL (UG/L)	2,4,5-T TOTAL IN ROT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUL 19...	0	0	.00	.0	.00	0	.00	0	.00	.0

02480208 - ESCATAWPA RIVER AT MI 0 NR ESCATAWPA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DTS- SOLVED (MG/L)
JUL						
18...	1431	1.0	3900	6.0	31.5	5.0
18...	1432	5.0	4100	6.1	31.0	4.6
18...	1433	10	6900	6.1	29.5	2.7
18...	1434	15	13700	6.5	29.0	2.7
18...	1435	20	19300	6.9	28.5	2.7
19...	2021	1.0	4200	5.9	30.0	3.1
19...	2022	5.0	4000	5.8	30.5	3.4
19...	2023	10	4500	5.8	30.5	3.2
19...	2024	15	5000	5.8	30.0	2.3
19...	2025	20	6400	5.8	29.5	1.4

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480208 - ESCATAWPA RIVER AT MI 0 NP ESCATAWPA, MS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	COLOR (PLAT- INUM- CORALT UNITS)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCEI FECAL, KF AGAR (COLS. PER 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
JUL									
18...	1430	55	3.6	260	K35	20	.08	.01	.09
19...	2020	60	2.5	K7900	550	11	.10	.01	.11

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL								
18...	.08	1.1	1.2	1.3	5.7	.06	.01	10
19...	.16	.94	1.1	1.2	5.4	.04	.00	9.1

302507088342800 - PASCAGOULA RIVER AT MI 6

024802082

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUL						
18...	1116	1.0	6500	6.2	30.0	6.1
18...	1117	5.0	9000	6.3	29.5	4.9
18...	1118	10	18200	7.0	29.0	4.9
18...	1119	15	20700	7.2	28.5	4.0
18...	1120	20	21800	7.2	28.0	3.1
19...	1831	1.0	3000	6.1	31.0	5.9
19...	1832	5.0	3100	6.1	31.0	5.3
19...	1833	10	5600	6.0	30.5	2.4
19...	1834	15	7500	6.1	30.0	2.3

DATE	TIME	COLOR (PLAT- INUM- CORALT UNITS)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCEI FECAL, KF AGAR (COLS. PER 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
JUL									
18...	1115	25	2.6	170	K12	15	.05	.02	.07
19...	1830	50	1.4	5800	200	8	.08	.01	.09

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL								
18...	.10	.90	1.0	1.1	4.7	.08	.04	15
19...	.16	.78	.94	1.0	4.6	.05	.02	6.2

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302430088350400 - PASCAGOULA RIVER AT MI 5

024802083

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

		SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)					PH	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
DATE	TIME	SAMP- LING DEPTH (FT)				(UNITS)						
JUL												
18...	1101	1.0	10000	6.5	30.5	6.2						
18...	1102	5.0	15700	7.0	30.0	5.7						
18...	1103	10	20700	7.3	29.0	4.1						
18...	1104	14	21500	7.3	28.0	3.4						
19...	1816	1.0	4700	6.2	30.5	4.8						
19...	1817	5.0	6000	6.1	30.5	4.0						
19...	1818	10	7000	6.1	30.5	2.8						
19...	1819	13	11000	6.3	29.5	2.5						
		COLOR (PLAT- INUM- CORAL UNITS)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)			
DATE	TIME											
JUL												
18...	1100	15	2.8	K69	K50	19	.05	.01	.06			
19...	1815	50	1.3	1100	190	17	.06	.01	.07			
		NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)			
DATE												
JUL												
18...	.10	.34	.44	.50	2.2	.08	.04	14				
19...	.21	.60	.81	.88	3.9	.06	.03	4.9				

302345086343800 - PASCAGOULA RIVER AT MI 4

024802087

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUL						
18...	1051	1.0	13600	6.9	30.0	6.6
18...	1052	5.0	17600	7.4	29.5	6.7
18...	1053	8.0	19600	7.5	29.0	6.0
19...	1801	1.0	5800	6.2	30.5	5.7
19...	1802	5.0	7300	6.2	31.0	4.5
19...	1803	10	5900	6.3	30.0	3.6

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

302345088343800 - PASCAGOULA RIVER AT MI 4--CONTINUED 024802087

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	COLOR (PLAT- INUM- CORALIT UNITS)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDEED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
JUL									
18...	1050	15	3.5	K88	K69	14	.03	.04	.07
19...	1800	40	1.4	460	220	11	.07	.01	.08

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL								
18...	.13	.97	1.1	1.2	5.2	.09	.05	17
19...	.15	.95	1.1	1.2	5.2	.06	.01	6.5

302319088335400 - PASCAGOULA RIVER AT MI 3

024802091

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUL						
18...	1036	1.0	18800	7.3	30.0	7.1
18...	1037	5.0	19400	7.3	29.5	6.9
18...	1038	10	20800	7.3	29.0	4.9
18...	1039	15	21800	7.2	28.0	3.2
18...	1040	20	22600	7.2	27.5	2.4
18...	1041	25	23200	7.3	27.0	2.2
19...	1746	1.0	6800	6.2	30.5	5.6
19...	1747	5.0	7800	6.2	30.5	5.6
19...	1748	10	8800	6.3	30.5	5.6
19...	1749	15	9400	6.4	30.5	5.6
19...	1750	20	10700	6.5	30.0	4.4
19...	1751	25	11200	6.5	30.0	4.2

DATE	TIME	COLOR (PLAT- INUM- CORALIT UNITS)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDEED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
JUL									
18...	1035	15	3.0	K73	K15	6	.00	.02	.02
19...	1745	60	2.8	170	210	3	.04	.01	.05

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL								
18...	.15	.51	.66	.68	3.0	.10	.06	4.4
19...	.08	.82	.90	.95	4.2	.06	.02	3.2

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480210 - PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
DATE	TIME								
JUL									
18...	1021	1.0	16800	7.4	30.0	6.4			
18...	1022	5.0	19700	7.5	29.5	6.1			
18...	1023	10	21300	7.6	29.5	4.8			
18...	1024	15	22400	7.5	28.0	3.2			
18...	1025	20	23100	7.5	27.5	2.3			
18...	1026	24	24100	7.5	26.5	1.5			
19...	1731	1.0	9200	6.5	30.5	5.4			
19...	1732	5.0	10200	6.5	30.5	5.6			
19...	1733	10	10900	6.6	30.5	5.8			
19...	1734	15	11700	6.7	30.5	5.3			
19...	1735	20	12600	6.9	31.0	6.7			
DATE	TIME	COLOR (PLAT- INUM- CORALIT UNITS)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
JUL									
19...	1730	50	2.2	K31	100	0	.04	.01	.05
DATE		NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL									
19...		.05	.81	.86	.91	4.0	.06	.02	7.1

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480210 - PASCAGOULA RIVER AT HWY 90 AT PASCAGOULA, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L 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	RICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CACO3)	
JUL 19...	1200	30	5.0	3700	3600	250	750	7000	50	90	0	74	
DATE	TIME	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	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)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	
JUL 19...	7.2	1700	12000	.4	1.7	21400	21700	29.1	0	0	0	10	
DATE	TIME	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)
JUL 19...	30	10	3	0	29	10	250	2700	12	10	130	20	
DATE	TIME	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SF)	SELE- NIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	TITANIUM, TOTAL RECOV- ERABLE (UG/L AS TI)	TITANIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	OIL AND GREASE, TOTAL RECOV- ERABLE GRAVI- METRIC (MG/L)	
JUL 19...	.5	.0	11	10	0	0	<220	4100	70	30	1		

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)
JUL 19...	1200	.0	.00	.00	.0	.00	.00	.00	.00

DATE	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)
JUL 19...	.00	.00	.00	.00	.00	.00	.00	.00	.00

DATE	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
JUL 19...	.00	.00	.00	.00	0	.00	.00	.00	.00

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480212 - PASCAGOULA RIVER AT MI 1 AT PASCAGOULA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
DATE	TIME								
JUL									
18...	1001	1.0	19100	7.6	30.5	7.9			
18...	1002	5.0	19600	7.6	30.0	7.5			
18...	1003	10	20500	7.5	30.0	6.8			
18...	1004	15	21900	7.4	30.0	4.4			
18...	1005	20	22500	7.4	28.0	3.5			
18...	1006	25	23300	7.4	27.5	2.3			
18...	1007	30	24300	7.4	26.0	1.3			
18...	1008	35	25100	7.4	25.0	.5			
18...	1009	40	25700	7.5	24.0	.3			
19...	1716	1.0	11600	6.7	30.5	6.5			
19...	1717	5.0	12000	6.8	30.5	6.5			
19...	1718	10	12300	6.9	30.5	6.4			
19...	1719	15	12800	7.0	30.5	5.1			
19...	1720	20	15600	7.1	30.0	3.1			
19...	1721	25	20800	7.2	27.5	2.4			
19...	1722	30	21400	7.3	27.0	1.7			
19...	1723	35	22600	7.3	26.0	1.3			
19...	1724	40	23200	7.3	25.5	.4			
DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	OXYGEN DEMAND, BTU- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
JUL									
18...	1000	10	2.6	250	430	56	.00	.01	.01
19...	1715	20	3.0	K38	100	8	.05	.01	.06

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOP. TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL								
18...	.18	.31	.49	.50	2.2	.12	.07	6.5
19...	.09	1.0	1.1	1.2	5.1	.08	.02	7.3

02480215 - PASCAGOULA RIVER AT MI 0 AT PASCAGOULA, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUL						
18...	0931	1.0	18800	7.6	30.0	7.8
18...	0932	5.0	19300	7.6	30.0	8.0
18...	0933	10	20200	7.5	30.0	7.7
18...	0934	15	20600	7.5	29.5	6.7
18...	0935	20	22700	7.5	28.5	6.0
18...	0936	25	24500	7.5	27.0	3.4
18...	0937	30	25000	7.5	26.0	.8
18...	0938	35	25800	7.5	24.5	.3
18...	0939	40	26000	7.5	23.5	.2
19...	1646	1.0	13500	7.3	30.5	7.8
19...	1647	5.0	14200	7.3	30.5	7.1
19...	1648	10	15900	7.3	30.0	5.9
19...	1649	15	17600	7.3	29.5	4.3
19...	1650	20	18200	7.3	29.0	2.8
19...	1651	25	20000	7.3	28.5	2.5
19...	1652	30	21300	7.3	27.5	2.3
19...	1653	35	22100	7.4	26.0	2.0
19...	1654	40	22500	7.4	26.0	1.5

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

PASCAGOULA AND ESCATAWPA RIVERS STUDY NEAR PASCAGOULA, MS--Continued

02480215 - PASCAGOULA RIVER AT MT 0 AT PASCAGOULA, MS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	COLOR (PLAT- INUM- CORAL UNITS)	OXYGEN DEMAND, CHEM- BIO- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOC FECAL, KF AGAR (COLS. PER 100 ML)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
JUL 18...	0930	7	2.6	K35	430	102	.01	.01	.02
19...	1645	15	1.9	R4	100	3	.01	.01	.02

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GFN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUL 18...	.46	.54	1.0	1.0	4.5	.23	.11	3.6
19...	.15	.28	.43	.45	2.0	.10	.07	6.0

YOCKANOOKANY RIVER STUDY NEAR ACKERMAN, MS
02483598 - YOCKANOOKANY RIVER NW OF ACKERMAN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
28...	1900	2.4	34	6.6	24.0	7.0
28...	2000	2.3	34	--	24.0	7.0
28...	2100	2.3	34	--	24.0	7.0
28...	2200	2.2	34	--	24.0	7.0
28...	2300	2.1	33	--	23.5	7.1
28...	2400	2.0	33	--	23.0	7.1
29...	0100	1.9	33	--	23.0	7.2
29...	0200	1.9	33	--	22.5	7.3
29...	0300	1.8	33	--	22.0	7.4
29...	0400	1.7	32	--	22.0	7.5
29...	0500	1.6	32	--	21.5	7.6
29...	0600	1.5	32	--	21.5	7.6
29...	0630	1.4	32	6.3	21.5	7.6
29...	0700	1.4	32	--	21.5	7.6
29...	0800	1.4	32	--	21.5	7.6
29...	0900	1.4	32	--	21.5	7.4
29...	1000	1.4	32	6.3	21.5	7.3
29...	1100	1.4	32	--	21.5	7.4
29...	1200	1.3	32	--	21.5	7.6
29...	1230	1.3	32	6.2	21.5	7.6
29...	1300	1.3	32	--	21.5	7.6
29...	1400	1.3	33	--	21.5	7.6
29...	1500	1.3	33	6.2	21.5	7.6
29...	1600	1.3	32	--	21.5	7.6
29...	1700	1.3	32	--	22.0	7.5
29...	1800	1.3	32	6.5	22.0	7.5
29...	1900	1.2	32	--	22.0	7.5
29...	2000	1.1	32	--	22.0	7.3
29...	2100	1.0	32	6.0	22.0	7.1
29...	2200	1.0	30	--	22.0	7.3
29...	2300	1.0	28	--	22.0	7.5
29...	2400	1.0	28	6.0	22.0	7.5
30...	0100	1.2	28	--	22.0	7.4
30...	0200	1.4	30	--	21.5	7.2
30...	0300	1.7	30	6.3	21.5	7.0
30...	0400	1.7	30	--	21.5	7.2
30...	0500	1.7	32	--	21.5	7.4
30...	0600	1.7	34	--	21.5	7.7
30...	0645	1.7	36	6.3	21.5	7.8
30...	0700	1.7	36	--	21.5	7.7
30...	0800	1.6	36	--	21.0	7.7
30...	0900	1.5	35	--	21.0	7.6
30...	0945	1.5	35	6.3	21.0	7.6
30...	1000	1.5	35	--	21.0	7.6
30...	1100	1.4	34	--	21.0	7.7
30...	1200	1.4	33	--	21.5	7.8
30...	1300	1.4	33	6.4	21.5	7.8
30...	1400	1.3	34	--	21.5	7.8
30...	1520	1.2	37	6.4	21.5	7.8
30...	1600	1.2	36	--	21.5	7.8
30...	1700	1.1	34	--	21.5	7.8
30...	1800	1.0	32	6.5	21.5	7.8
30...	1900	1.1	32	--	21.5	7.8
30...	2000	1.3	32	--	21.5	7.9
30...	2100	1.4	31	--	21.0	8.0
30...	2130	1.5	31	6.5	21.0	8.0
30...	2200	1.6	31	--	21.0	8.0
30...	2300	1.7	31	--	21.0	7.9
30...	2400	1.8	31	6.5	21.0	7.8
31...	0100	1.9	31	--	21.0	7.8
31...	0200	2.0	31	--	21.0	7.8
31...	0300	2.0	31	--	21.0	7.8
31...	0400	1.8	32	--	21.0	7.8
31...	0500	1.6	32	--	20.5	7.8
31...	0600	1.5	34	--	20.0	7.8
31...	0700	1.2	34	6.1	20.0	7.8
31...	0800	1.1	34	--	20.0	7.8
31...	0900	1.1	33	--	20.0	7.8
31...	0945	1.0	33	6.2	20.0	7.8
31...	1000	1.0	33	--	20.0	7.8
31...	1100	1.0	32	--	20.0	7.8
31...	1130	.91	32	6.2	20.0	7.8
31...	1200	.91	32	--	20.0	7.8
31...	1300	.86	32	--	20.5	7.9
31...	1400	.81	32	--	21.0	7.9
31...	1500	.41	30	6.5	21.5	7.6
31...	1600	.71	32	--	21.0	7.8
31...	1700	.56	30	--	21.5	7.7

YOCKANOOKANY RIVER STUDY NEAR ACKERMAN, MS--Continued

02483598 - YOCKANOOKANY RIVER NW OF ACKERMAN, MS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)		
AUG								
31...	1800	.41	--	6.1	21.5	7.6		
31...	1900	.36	30	--	21.5	7.5		
31...	2000	.31	32	--	21.0	7.4		
31...	2100	.26	32	6.1	21.0	7.3		
31...	2200	.31	32	--	20.5	7.5		
31...	2300	.41	32	--	20.5	7.7		
31...	2400	.51	32	6.1	20.0	7.9		
SEP								
01...	0100	.61	32	--	20.0	7.9		
01...	0200	.71	32	--	19.5	7.9		
01...	0300	.81	32	--	19.5	7.9		
01...	0400	.91	32	--	19.5	7.8		
01...	0500	1.0	33	--	19.5	7.8		
01...	0600	1.1	33	--	19.0	7.8		
01...	0645	1.2	33	6.5	19.0	7.8		
DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FFCAL, 0.7 UM-MF (COLS./ 100 ML)	SIREP- TODINCCI FECAL, KF AGAR (COLS. PFR 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
AUG								
29...	0630	43	1.5	280	500	.23	.01	.24
29...	1230	15	1.5	920	1600	.21	.01	.22
29...	1800	8	1.5	540	1000	.23	.01	.24
29...	2400	13	1.4	1200	800	.00	.00	.00
30...	0645	28	2.4	K1000	4600	.22	.01	.23
30...	1300	24	2.2	--	800	.22	.01	.23
30...	1800	14	1.8	--	1400	.21	.01	.22
30...	2400	25	1.5	--	920	.14	.01	.15
31...	0700	18	2.2	K180	7000	.23	.01	.24
31...	1130	17	1.7	K92	6500	.26	.01	.27
31...	1800	18	1.0	K180	720	.26	.01	.27
31...	2400	19	1.1	K220	820	.24	.01	.25

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOP. TOTAL (MG/L AS P)
AUG							
29...	.00	.29	.29	.53	2.3	.03	.01
29...	.00	.43	.43	.65	2.9	.03	.01
29...	.00	.33	.33	.57	2.5	.02	.00
29...	.08	.37	.45	.45	2.0	.03	.02
30...	.10	.46	.56	.79	3.5	.04	.00
30...	.05	.40	.45	.68	3.0	.02	.00
30...	.01	.46	.47	.69	3.1	.03	.01
30...	.00	.37	.37	.52	2.3	.03	.01
31...	.01	.37	.38	.62	2.7	.03	.01
31...	.01	.42	.43	.70	3.1	.02	.00
31...	.01	.31	.32	.59	2.6	.03	.01
31...	.01	.33	.34	.59	2.6	.03	.01

02483615 - YOCKANOOKANY RIVER TRIB AT ACKERMAN, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
30...	1000	3.2	78	6.8	24.0	--
30...	1200	3.2	--	--	24.0	7.8
30...	1500	3.2	68	6.8	25.0	7.8

YOCKANOOKANY RIVER STUDY NEAR ACKERMAN, MS--Continued

02483615 - YOCKANOOKANY RIVER TRIB AT ACKERMAN, MS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCEI FECAL, KF AGAR (COLS. PFR 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
AUG								
30...	1000	38	4.5	2000	3300	.04	.01	.05
30...	1500	37	5.7	2400	1300	.01	.01	.02

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)
AUG							
30...	.07	.49	.56	.61	2.7	.03	.00
30...	.04	.72	.76	.78	3.5	.06	.00

02483650 - YOCKANOOKANY RIVER NR FENTRESS, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
28...	2000	4.1	75	--	26.0	7.1
29...	0800	7.0	75	6.6	23.0	5.5
29...	0900	7.1	75	--	23.0	5.6
29...	0945	7.2	75	6.5	23.0	5.7
29...	1000	7.2	75	--	23.0	5.7
29...	1100	7.2	77	--	23.0	5.7
29...	1200	7.3	80	--	23.0	5.9
29...	1300	7.3	77	--	23.0	6.2
29...	1330	7.4	75	6.5	23.0	6.4
29...	1400	7.4	75	--	23.0	6.5
29...	1500	7.5	72	--	23.0	6.7
29...	1530	7.6	72	6.7	23.0	6.8
29...	1600	7.6	72	--	23.0	6.9
29...	1700	7.5	70	--	23.0	7.0
29...	1800	7.4	68	--	23.0	7.1
29...	1830	7.4	68	6.5	23.0	7.2
29...	1900	7.3	68	--	23.0	7.1
29...	2000	7.2	68	--	23.0	7.0
29...	2100	7.0	70	--	23.0	6.9
29...	2130	7.0	70	6.1	23.0	6.8
29...	2200	7.0	72	--	23.0	6.7
29...	2300	7.1	74	--	23.0	6.4
29...	2400	7.2	74	--	23.0	6.0
30...	0030	7.2	63	6.0	23.0	5.9
30...	0100	7.2	74	--	22.5	5.9
30...	0200	7.2	74	--	22.5	5.9
30...	0300	7.2	75	--	22.5	5.9
30...	0330	7.2	75	6.6	22.5	5.9
30...	0400	7.2	75	--	22.5	5.8
30...	0500	7.3	75	--	22.5	5.8
30...	0600	7.4	74	--	22.5	5.8
30...	0700	7.4	74	--	22.0	5.9
30...	0745	7.5	74	6.6	22.0	6.1
30...	0800	7.5	74	--	22.0	6.2
30...	0900	7.5	72	--	22.0	6.4
30...	1000	7.5	72	--	22.0	6.5
30...	1100	7.6	70	--	22.5	6.6
30...	1115	7.6	70	6.6	22.5	6.6
30...	1200	7.5	70	--	22.5	6.7

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

YOCKANOOKANY RIVER STUDY NEAR ACKERMAN, MS--Continued

02483650 - YOCKANOOKANY RIVER NR FENTRESS, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
30...	1300	7.5	70	--	23.0	6.9
30...	1330	7.4	70	6.6	23.0	7.0
30...	1400	2.4	68	--	23.0	7.2
30...	1500	7.4	66	--	23.0	7.6
30...	1540	7.3	66	6.7	23.0	7.9
30...	1600	7.3	66	--	23.0	7.9
30...	1700	7.1	64	--	23.5	8.0
30...	1800	7.0	64	--	23.5	7.7
30...	1830	6.9	64	6.5	23.5	7.6
30...	1900	6.9	64	--	23.0	7.4
30...	2000	7.0	65	--	23.0	6.7
30...	2100	7.0	65	6.6	22.5	6.0
30...	2200	7.0	66	--	22.5	6.2
30...	2300	7.0	66	--	22.5	6.2
30...	2400	7.0	66	--	22.5	6.3
31...	0030	7.0	66	6.5	22.5	6.3
31...	0100	7.0	66	--	22.5	6.3
31...	0300	7.4	66	--	22.0	6.3
31...	0330	7.4	66	6.5	22.0	6.3
31...	0400	7.4	66	--	22.0	6.3
31...	0500	7.3	66	--	22.0	6.3
31...	0600	7.3	66	--	21.5	6.2
31...	0700	7.2	66	--	21.0	6.2
31...	0740	7.2	68	6.4	21.0	6.1
31...	0800	7.2	68	--	21.0	6.2
31...	0900	7.2	66	--	21.0	6.4
31...	1000	7.1	63	--	21.5	6.6
31...	1015	7.1	62	6.5	21.5	6.7
31...	1100	7.1	62	--	22.0	6.9
31...	1200	7.0	68	6.5	22.0	7.2
31...	1300	7.0	62	--	22.5	7.6
31...	1400	7.0	60	--	23.0	7.8
31...	1500	7.0	59	--	23.0	8.0
31...	1510	7.0	59	6.6	23.0	8.1
31...	1600	7.0	58	--	23.5	8.1
31...	1700	6.8	56	--	23.5	8.0
31...	1800	6.6	55	--	24.0	7.6
31...	1830	6.6	55	6.4	24.0	7.3
31...	1900	6.4	55	--	24.0	7.2
31...	2000	6.1	55	--	24.0	7.0
31...	2100	5.7	55	--	24.0	6.9
31...	2130	5.5	55	6.2	23.5	6.8
31...	2200	5.5	55	--	23.5	6.7
31...	2300	5.5	55	--	23.5	6.6
31...	2400	5.6	55	--	23.0	6.6
SEP						
01...	0030	5.6	55	6.2	23.0	6.6
01...	0100	5.6	55	--	23.0	6.5
01...	0200	5.4	22	--	22.5	6.3
01...	0300	5.3	56	--	22.5	6.1
01...	0400	5.1	56	--	21.5	6.0
01...	0500	4.9	58	--	21.0	5.9
01...	0600	4.9	58	--	21.0	5.9
01...	0700	4.8	60	--	20.5	5.8
01...	0720	4.8	60	6.6	20.5	5.8

YOCKANOOKANY RIVER STUDY NEAR ACKERMAN, MS--Continued

02483650 - YOCKANOOKANY RIVER NR FFNTRESS, MS. --CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	COLOR (PLAT- NUM- CORALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	SULFATE DIS- SOLVED (MG/L AS SO4)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)
AUG										
29...	0800	--	--	27	4.6	920	1300	--	.19	.02
29...	1330	--	--	28	4.9	K1900	4000	--	.18	.02
29...	1830	--	--	18	3.5	640	1700	--	.13	.01
30...	0030	--	--	29	4.0	K6500	1200	--	.15	.02
30...	0745	--	--	33	4.4	>300	3300	--	.12	.02
30...	1330	--	--	30	5.4	2100	1200	--	.15	.02
30...	1830	--	--	33	3.9	2300	960	--	.15	.02
31...	0030	--	--	26	3.6	--	2500	--	.16	.02
31...	0740	--	--	36	4.2	440	K13000	--	.15	.03
31...	1200	60	10	25	7.9	K1300	3400	3.7	.17	.02
31...	1830	--	--	31	2.6	640	460	--	.03	.01
31...	2400	--	--	29	--	--	--	--	.16	.02

DATE	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
AUG									
29...	.21	.24	.65	.89	1.1	4.9	.43	.27	--
29...	.20	.12	.88	1.0	1.2	5.3	.22	.13	--
29...	.14	.11	.65	.76	.90	4.0	.19	.12	--
30...	.17	.21	.54	.75	.92	4.1	.28	.15	--
30...	.14	.23	.77	1.0	1.1	5.0	.28	.13	--
30...	.17	.25	.72	.97	1.1	5.0	.29	.12	--
30...	.17	.12	.59	.71	.88	3.9	.22	.14	--
31...	.18	.20	.63	.83	1.0	4.5	.35	.20	--
31...	.18	.40	.60	1.0	1.2	5.2	.25	.17	--
31...	.19	.28	.65	.93	1.1	5.0	.21	.13	4.8
31...	.04	.10	.44	.54	.58	2.6	.14	.06	--
31...	.18	.23	.73	.96	1.1	5.0	.27	.17	--

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

YOCKANOOKANY RIVER STUDY NEAR ACKERMAN, MS--Continued

02483650 - YOCKANOOKANY RIVER NR FENTRESS, MS. --CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DTS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DTS- SOLVED (MG/L AS MG)	SODIUM, DTS- SOLVED (MG/L AS NA)	SODIUM AD- SORP- TION RATIO	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CACO3)
AUG 31...	1200	60	10	16	1	3.9	1.5	5.5	.6	18	0	15
DATE	CARBON DIOXIDE DTS- SOLVED (MG/L AS CO2)	SULFATE DTS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DTS- SOLVED (MG/L AS CL)	FLUO- RIDE, DTS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DTS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DTS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DTS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	
AUG 31...	9.1	3.7	6.8	.0	11	56	41	.08	1.06	1	0	4
DATE	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CORAL, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FF)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
AUG 31...	<10	<10	<10	4	<10	4	<10	3300	2300	39	20	390
DATE	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	SILF- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/G)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZM)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV- ERABLE GRAVI- METRIC (MG/L)
AUG 31...	80	<.5	.0	7	<10	0	0	30	<10	4.8	0	1

YOCKANOOKANY RIVER STUDY NEAR ACKERMAN, MS--Continued

02483650 - YOCKANOOKANY RIVER NR FENTRESS, MS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)
AUG 31...	1200	.0	0	.00	.00	.0	.0	0	.00	.0	.00

DATE	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
AUG 31...	.0	.00	.0	.08	.0	.00	.0	.00	.00	.0

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
AUG 31...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)
AUG 31...	.00	.0	.00	.0	.00	.0	.00	.00	.0	.00

DATE	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL (UG/L)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
AUG 31...	0	0	.00	.0	.00	0	.00	0	.00	.0

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

PEARL RIVER STUDY NEAR JACKSON, MS

321424090121500 - PEARL RIVER AT MI 282

024863031

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CTIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUN							
07...	0100	--	1890	57	--	--	--
07...	0200	--	1850	57	--	--	--
07...	0300	--	1820	57	--	--	--
07...	0400	--	1790	57	--	--	--
07...	0500	--	1750	57	--	--	--
07...	0600	--	1700	57	--	--	--
07...	0701	1.0		56	6.9	26.0	7.5
07...	0702	5.0		55	6.9	26.0	7.5
07...	0703	10		55	6.9	26.0	7.5
07...	0800	--	1590	58	--	--	--
07...	0900	--	1520	60	--	--	--
07...	1000	--	1450	60	--	--	--
07...	1100	--	1380	61	--	--	--
07...	1200	--	1300	62	--	--	--
07...	1300	--	1250	62	--	--	--
07...	1401	1.0		60	6.6	26.0	6.7
07...	1402	5.0		60	6.6	26.0	6.7
07...	1403	10		60	6.6	26.0	6.6
07...	1500	--	1140	73	--	26.0	6.3
07...	1600	--	1100	71	--	26.0	6.2
07...	1700	--	1070	72	--	26.0	6.1
07...	1800	--	1040	74	--	26.0	6.1
07...	1900	--	1020	76	--	26.0	6.0
07...	2000	--	1020	78	--	26.0	6.0
07...	2100	--	1030	76	--	26.0	6.1
07...	2200	--	1080	75	--	26.0	6.1
07...	2300	--	1150	75	--	26.0	6.1
07...	2400	--	1210	71	--	26.0	6.2
08...	0100	--	1320	69	--	26.0	6.2
08...	0200	--	1460	70	--	26.0	6.3
08...	0300	--	1600	71	--	26.0	6.2
08...	0400	--	1720	70	--	26.0	6.4
08...	0500	--	1840	70	--	26.0	6.4
08...	0600	--	1950	67	--	26.0	6.4
08...	0700	--	2040	64	--	26.0	--
08...	0716	1.0		60	6.8	25.5	6.4
08...	0717	5.0		59	6.7	25.5	6.4
08...	0718	10		60	6.6	25.5	6.4
08...	0800	--	2150	62	--	26.0	6.4
08...	0900	--	2220	64	--	26.0	6.4
08...	1000	--	2270	72	--	26.0	6.4
08...	1100	--	2320	71	--	26.5	6.5
08...	1200	--	2340	63	--	26.5	6.5
08...	1300	--	2380	61	--	26.5	6.5
08...	1331	1.0		56	6.9	26.5	6.6
08...	1332	5.0		57	6.7	26.0	6.5
08...	1333	10		57	6.7	26.0	6.8
08...	1400	--	2400	59	--	26.5	6.6
08...	1500	--	2420	59	--	26.5	6.6
08...	1600	--	2440	60	--	26.5	6.7
08...	1700	--	2460	63	--	26.5	6.7
08...	1800	--	2470	63	--	26.5	6.7
08...	1900	--	2470	61	--	26.5	6.6
08...	2000	--	2470	59	--	26.5	6.6
08...	2100	--	2480	56	--	26.5	6.6
08...	2200	--	2490	55	--	26.5	6.6
08...	2300	--	2500	55	--	26.5	6.6
08...	2400	--	2510	54	--	26.5	6.5

PEARL RIVER STUDY NEAR JACKSON, MS--Continued

321424090121500 - PFAPL RIVER AT MI 2R2--CONTINUED

024863031

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TUOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	SULFATE DIS- SOLVED (MG/L AS SO4)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
JUN								
07...	0700	140	30	1.3	4100	2100	9.0	.08
07...	1400	--	--	1.1	3200	2400	--	.10
08...	0715	--	--	.7	2300	4800	--	.10
08...	1330	--	--	1.4	6500	5800	--	.10

DATE	TIME	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARBON, ORGANIC TOTAL (MG/L AS C)
JUN								
07...		.13	.63	.76	.84	3.7	.11	8.3
07...		.16	.71	.87	.97	4.3	.13	--
08...		.19	.61	.80	.90	4.0	.13	--
08...		.17	.71	.88	.98	4.3	.16	--

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (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	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)
JUN											
07...	0700	140	30	16	2	4.5	1.2	4.0	.4	17	0

DATE	TIME	ALKA- LINEITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLOR- IDE, DIS- SOLVED (MG/L AS CL)	FLUOR- IDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
JUN											
07...	14	9.0	3.3	.1	6.0	57	36	.08	2	8	0

DATE	TIME	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, TOTAL RECOV- FM BOT- TOM MA- TERIAL (UG/G)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)
JUN												
07...		<10	<10	10	0	<10	5	<10	2800	5500	7	20

DATE	TIME	MANGA- NIFER, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, TOTAL RECOV- FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	SELE- NIUM, TOTAL RECOV- FM BOT- TOM MA- TERIAL (UG/L AS SE)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	OIL AND GREASE, TOTAL RECOV- GRAVI- METRIC (MG/L)
JUN											
07...		190	270	<.5	.0	0	0	40	40	8.3	0

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

PEARL RIVER STUDY NEAR JACKSON, MS--Continued

321424090121500 - PEARL RIVER AT MI 2A2--CONTINUED

024863031

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1977 TO SEPTFMRER 1978

DATE	TIME	PCB, TOTAL (UG/L)	PCB, IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDD, IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDF, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUN 07...	0700	.0	10	.00	.00	.0	.0	16	.00	3.5	.00	.00	3.8

DATE	TIME	DDT, TOTAL (UG/L)	DDT, IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, IN BOT- TOM MA- TERIAL (UG/KG)	DI- FLDRIN, TOTAL (UG/L)	DI- FLDRIN, IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, IN BOT- TOM MA- TERIAL (UG/KG)
JUN 07...		.00	1.6	.00	.0	.00	2.3	.00	.0	.00	.0	.00	.0

DATE	TIME	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, IN BOT- TOM MA- TERIAL (UG/KG)
JUN 07...		.00	.5	.00	.0	.00	.0	.00	.0	.00	.0	.00	.00

DATE	TIME	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL (UG/L)	TRI- THION, IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-D, IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL (UG/L)	2,4,5-T IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL (UG/L)	SILVEX, IN BOT- TOM MA- TERIAL (UG/KG)
JUN 07...		.0	0	0	.00	.0	.05	0	.00	0	.00	.0

321402090122600 - PEARL RIVER AT MI 2A1

024863091

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTFMRER 1978

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	OXYGEN, DIS- SOLVED (MG/L)	PH	TEMPER- ATURE (DEG C)	PHOS- PHORUS, TOTAL (MG/L AS P)
JUN 07...	0801	1.6	3000	3900	.09	.42	.58	7.2	6.9	26.0	.35
07...	0802	1.8	2200	3400	.10	.56	.74	7.0	6.9	26.0	.23
07...	1421	1.0	2200	5300	.10	.36	.74	6.8	6.9	26.0	.28
07...	1422	1.0	5600	8300	.10	.39	.71	6.5	6.9	26.0	.23
08...	0731							6.8	6.9	25.5	
08...	0732							6.8	7.0	25.5	
08...	1341							6.5	7.0	26.0	
08...	1342							6.7	6.8	26.0	
JUN 07...	0800	1.6	3000	3900	.09	.42	.58	7.2	6.9	26.0	.35
07...	1420	1.8	2200	3400	.10	.56	.74	7.0	6.9	26.0	.23
08...	0730	1.0	2200	5300	.10	.36	.74	6.8	6.9	25.5	.28
08...	1340	1.4	5600	8300	.10	.39	.71	6.5	6.8	26.0	.23

PEARL RIVER STUDY NEAR JACKSON, MS--Continued

321329090113800 - PEARL RIVER AT MI 280

024863611

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

		SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)					PH	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
DATE		TIME	SAMP- LING DEPTH (FT)				(UNITS)					
JUN												
07...		0811	1.0	72	6.8	26.0	6.9					
07...		0812	5.0	72	6.7	26.0	7.1					
07...		0813	10	72	6.6	26.0	7.0					
07...		1431	1.0	80	7.1	26.0	6.5					
07...		1432	5.0	80	7.0	26.0	6.5					
07...		1433	10	80	6.7	26.0	6.6					
08...		0736	1.0	74	7.0	25.5	6.7					
08...		0737	5.0	74	6.9	25.5	6.6					
08...		0738	10	74	6.7	25.5	6.6					
08...		1351	1.0	68	6.9	26.0	6.5					
08...		1352	5.0	69	6.8	26.0	6.5					
08...		1353	10	68	6.8	26.0	6.4					
DATE		TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)
JUN												
07...		0810	1.4	3000	2400	.10	.46	.74	1.2	1.3	5.8	.44
07...		1430	2.0	3000	3400	.10	.59	.81	1.4	1.5	6.6	.29
08...		0735	1.2	2300	8100	.11	.40	.90	1.3	1.4	6.2	.32
08...		1350	1.8	4200	7900	.11	.43	.87	1.3	1.4	6.2	.24

321310090111000 - PEARL RIVER AT MI 279

024863661

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUN						
07...	0816	1.0	72	6.7	26.0	7.0
07...	0817	5.0	72	6.6	26.0	7.0
07...	0818	10	72	6.6	26.0	7.0
07...	1441	1.0	78	7.2	26.0	6.6
07...	1442	5.0	78	6.9	26.0	6.6
07...	1443	10	78	6.7	26.0	6.7
08...	0746	1.0	74	6.8	25.5	6.7
08...	0747	5.0	74	6.7	25.5	6.5
08...	0748	10	74	6.6	25.5	6.5
08...	1401	1.0	72	6.8	26.0	6.6
08...	1402	5.0	71	6.8	26.0	6.4
08...	1403	10	72	6.7	26.0	6.5

321228090112000 - PEARL RIVER AT MI 278

024863721

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

		SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
DATE	TIME					
JUN						
07...	0831	1.0	72	6.8	26.0	6.9
07...	0832	5.0	72	6.8	26.0	6.9
07...	1451	1.0	79	7.2	26.0	6.4
07...	1452	5.0	79	6.9	26.0	6.3
08...	0751	1.0	78	6.9	25.0	6.4
08...	0752	5.0	77	6.8	25.5	6.4
08...	1406	1.0	73	6.9	26.0	6.4
08...	1407	5.0	73	6.8	26.0	6.4

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

PEARL RIVER STUDY NEAR JACKSON, MS--Continued

321228090112000 - PFARL RTVFR AT MI 278 --CONTINUED 024863721

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCUCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO- GFN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)
JUN											
07...	0830	1.7	3200	2800	.10	.48	.72	1.2	1.3	5.8	.45
07...	1450	2.0	3300	3600	.11	.52	.78	1.3	1.4	6.2	.29
08...	0750	1.2	4600	8300	.12	.39	.91	1.3	1.4	6.3	.35
08...	1405	1.7	4700	6800	.13	.40	.70	1.1	1.2	5.4	.27

321204090105500 - PFARL RTVFR AT MI 277 024863821

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUN						
07...	0846	1.0	72	6.9	26.0	6.7
07...	0847	5.0	72	6.8	26.0	6.8
07...	0848	10	72	6.7	26.0	6.7
07...	1501	1.0	78	6.9	26.0	6.3
07...	1502	5.0	78	6.9	26.0	6.2
07...	1503	10	78	6.7	26.0	6.2
08...	0756	1.0	79	6.9	25.5	6.4
08...	0757	5.0	79	6.7	25.5	6.4
08...	0758	10	79	6.6	25.5	6.4
08...	1416	1.0	75	6.8	26.0	6.4
08...	1417	5.0	75	6.7	26.0	6.4
08...	1418	10	75	6.8	26.0	6.4

321150090113200 - PFARL RTVFR AT MI 276 024863881

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUN						
07...	0851	1.0	71	7.1	26.0	6.8
07...	0852	5.0	71	6.8	26.0	6.9
07...	0853	10	71	6.8	26.0	6.9
07...	1506	1.0	77	7.0	26.0	6.5
07...	1507	5.0	77	6.9	26.0	6.3
07...	1508	10	76	6.7	26.0	6.3
08...	0801	1.0	80	6.8	25.0	6.3
08...	0802	5.0	80	6.7	25.5	6.3
08...	0803	10	80	6.6	25.5	6.2
08...	1421	1.0	75	7.0	26.5	6.4
08...	1422	5.0	74	6.9	26.0	6.3
08...	1423	10	74	6.8	26.0	6.4

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCUCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO- GFN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)
JUN											
07...	0850	1.9	2000	1800	.10	.43	.67	1.1	1.2	5.3	.40
07...	1505	1.6	4800	3900	.12	.48	.72	1.2	1.3	5.8	.32
08...	0800	1.3	6300	1600	.14	.43	.77	1.2	1.3	5.9	.40
08...	1420	1.8	1600	4400	.13	.35	.75	1.1	1.2	5.4	.26

PEARL RIVER STUDY NEAR JACKSON, MS--Continued

321119090114700 - PEARL RIVER AT MI 275

024863951

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUN						
07...	0901	1.0	69	7.0	26.0	6.8
07...	0902	5.0	69	6.9	26.0	6.8
07...	1516	1.0	75	6.9	26.0	6.4
07...	1517	5.0	75	6.8	26.0	6.4
08...	0806	1.0	82	6.8	25.5	6.1
08...	0807	5.0	82	6.7	25.5	6.2
08...	1431	1.0	73	6.8	26.0	6.4
08...	1432	5.0	72	6.7	26.0	6.4

321112090121100 - PEARL RIVER AT MI 274

024864021

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUN						
07...	0916	1.0	71	7.1	26.0	6.7
07...	0917	5.0	70	6.8	26.0	6.9
07...	1531	1.0	75	7.1	26.0	6.3
07...	1532	5.0	75	6.8	26.5	6.2
08...	0811	1.0	82	6.9	25.5	6.3
08...	0812	5.0	82	6.7	25.5	6.1
08...	1436	1.0	72	7.0	26.5	6.3
08...	1437	5.0	70	6.8	26.0	6.4

DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)
JUN											
07...	0915	2.0	1200	1600	.12	.41	.69	1.1	1.2	5.4	.41
07...	1530	1.5	3300	3200	.13	.46	.64	1.1	1.2	5.4	.37
08...	0810	1.2	11000	1200	.15	.47	.73	1.2	1.4	6.0	.43
08...	1435	1.8	960	1100	.14	.35	.75	1.1	1.2	5.5	.28

321105090123600 - PEARL RIVER AT MI 273

024864071

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUN						
07...	0931	1.0	71	6.9	26.0	6.6
07...	0932	5.0	71	6.8	26.0	6.5
07...	0933	10	71	6.7	26.0	6.3
07...	1541	1.0	75	6.9	26.0	6.3
07...	1542	5.0	74	6.7	26.0	6.2
07...	1543	10	74	6.7	26.0	6.1
08...	0821	1.0	82	6.8	25.5	6.2
08...	0822	5.0	82	6.7	25.5	6.1
08...	0823	10	81	6.6	25.5	6.1
08...	1446	1.0	70	6.8	26.5	6.2
08...	1447	5.0	69	6.8	26.5	6.2
08...	1448	10	69	6.7	26.5	6.3

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

PEARL RIVER STUDY NEAR JACKSON, MS--Continued

321040090132100 - PEARL RIVER AT MI 272

024864181

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

				SAMP- LING DEPTH (FT)	SPE- CTIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
DATE	TIME										
JUN											
07...	0946			1.0	70	7.1	26.0	6.3			
07...	0947			5.0	70	6.7	26.0	6.4			
07...	0948			10	70	6.6	26.0	6.4			
07...	1546			1.0	73	7.0	26.0	6.1			
07...	1547			5.0	73	6.8	26.0	6.1			
07...	1548			10	73	6.6	26.0	6.2			
08...	0826			1.0	85	6.8	25.5	6.0			
08...	0827			5.0	84	6.7	25.5	6.0			
08...	0828			10	85	6.6	25.5	5.9			
08...	1451			1.0	72	6.9	26.5	6.3			
08...	1452			5.0	72	6.8	26.5	6.3			
08...	1453			10	71	6.7	26.5	6.1			
DATE	TIME	OXYGEN DEMAND, BIO- CHEM- ICAL, -5 DAY (MG/L)	COLI- FORM, FECAL, UM-MF (COLS./ 100 ML)	STREP- TOCOCCT GEN, KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)
JUN											
07...	0945	1.3	2300	1900	.13	.41	.69	1.1	1.2	5.4	.36
07...	1545	1.8	2600	2100	.14	.42	.78	1.2	1.3	5.9	.40
08...	0825	1.3	10000	1100	.16	.52	.78	1.3	1.5	6.5	.48
08...	1450	1.4	1000	1000	.15	.36	.64	1.0	1.2	5.1	.32

321024090140800 - PEARL RIVER AT MI 271

024864251

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	SPE- CTIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUN						
07...	0951	1.0	70	7.0	26.0	6.4
07...	0952	5.0	70	6.8	26.0	6.3
07...	0953	10	70	6.5	26.0	6.3
07...	1601	1.0	73	6.8	26.0	6.1
07...	1602	5.0	73	6.6	26.0	6.1
07...	1603	10	73	6.5	26.0	6.1
08...	0836	1.0	90	6.7	25.5	5.7
08...	0837	5.0	89	6.6	25.5	5.7
08...	0838	10	88	6.5	25.5	5.7
08...	1501	1.0	74	6.8	26.5	6.1
08...	1502	5.0	74	6.7	26.5	6.2
08...	1503	10	74	6.7	26.5	6.2

PEARL RIVER STUDY NEAR JACKSON, MS--Continued

02486500 - PEARL RIVER AT RYPAM, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	SAMP- LING DEPTH (FT)	STRFAM- FLOW, INSTAN- TANFOUS (CFS)	SPE- CTIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
JUN							
07...	0100	--	2120	65	--	26.5	6.5
07...	0200	--	2090	66	--	26.0	6.5
07...	0300	--	2050	67	--	26.0	6.5
07...	0400	--	2010	68	--	26.0	6.4
07...	0500	--	1970	69	--	26.0	6.4
07...	0600	--	1940	70	--	26.0	6.4
07...	0700	--	1900	70	--	26.0	6.4
07...	0800	--	1860	71	--	26.0	6.4
07...	0900	--	1820	72	--	26.0	6.3
07...	1001	1.0		71	7.2	26.0	6.6
07...	1002	5.0		71	6.9	26.0	6.4
07...	1003	10		70	6.6	26.0	6.4
07...	1100	--	1740	74	--	26.0	6.3
07...	1200	--	1710	74	--	26.0	6.3
07...	1300	--	1670	75	--	26.0	6.3
07...	1400	--	1630	75	--	26.0	6.3
07...	1500	--	1600	76	--	26.0	6.2
07...	1600	--	1560	76	--	26.0	6.2
07...	1606	1.0		73	6.8	26.0	6.2
07...	1607	5.0		74	6.6	26.0	6.1
07...	1608	10		73	6.5	26.0	6.2
07...	1700	--	1520	83	--	26.0	6.2
07...	1800	--	1480	87	--	26.0	6.2
07...	1900	--	1450	99	--	26.0	6.2
07...	2000	--	1420	100	--	26.0	6.1
07...	2100	--	1400	98	--	26.0	6.1
07...	2200	--	1390	84	--	26.0	6.1
07...	2300	--	1380	86	--	26.0	6.1
07...	2400	--	1380	82	--	25.5	6.1
08...	0100	--	1390	82	--	25.5	6.1
08...	0200	--	1390	77	--	25.5	6.1
08...	0300	--	1410	76	--	25.5	5.0
08...	0400	--	1440	78	--	25.5	5.6
08...	0500	--	1460	80	--	25.5	3.2
08...	0600	--	1500	80	--	25.5	2.8
08...	0700	--	1560	89	--	25.5	4.3
08...	0800	--	1600	90	--	25.5	5.7
08...	0841	1.0		92	6.8	25.5	5.6
08...	0842	5.0		92	6.7	25.5	5.6
08...	0843	10		91	6.6	25.5	5.6
08...	0900	--	1670	96	--	25.5	5.9
08...	1000	--	1740	93	--	25.5	6.0
08...	1100	--	1820	89	--	25.5	6.0
08...	1200	--	1890	87	--	26.0	6.0
08...	1300	--	1970	86	--	26.0	6.1
08...	1400	--	2040	84	--	26.5	6.1
08...	1500	--	2120	78	--	26.5	6.1
08...	1506	1.0		77	6.9	26.0	6.1
08...	1507	5.0		75	6.8	26.0	6.1
08...	1508	10		75	6.7	26.0	6.0
08...	1600	--	2210	77	--	26.5	6.1
08...	1700	--	2280	74	--	26.5	6.1
08...	1800	--	2350	75	--	26.5	6.1
08...	1900	--	2410	75	--	26.5	6.1
08...	2000	--	2450	75	--	26.5	6.2
08...	2100	--	2480	74	--	26.5	6.2
08...	2200	--	2500	72	--	26.5	6.2
08...	2300	--	2530	70	--	26.5	6.1
08...	2400	--	2540	70	--	26.5	6.1

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

PEARL RIVER STUDY NEAR JACKSON, MS--Continued

02486500 - PEARL RIVER AT BYRAM, MS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

		COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TUOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	SULFATE DIS- SOLVED (MG/L AS SO4)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
DATE	TIME							
JUN								
07...	1000	120	45	1.4	1300	1500	8.3	.13
07...	1605	--	--	2.0	1000	2000	--	.14
08...	0840	--	--	1.0	6200	1000	--	.19
08...	1505	--	--	1.6	2500	1400	--	.15

		NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	CARRON, ORGANIC TOTAL (MG/L AS C)
DATE	TIME							
JUN								
07...		.41	.69	1.1	1.2	5.4	.30	9.9
07...		.42	.58	1.0	1.1	5.0	.39	--
08...		.57	.93	1.5	1.7	7.5	.49	--
08...		.34	.66	1.0	1.2	5.1	.32	--

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DTS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DTS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM AD- SURP- TION RATIO	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)
JUN											
07...	1000	120	45	19	0	5.4	1.4	5.7	.6	23	0

DATE	ALKA- LINTY (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)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	
JUN											
07...	19	8.3	3.6	.1	6.4	65	42	.09	2	11	0

DATE	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CORAL, TOTAL RECOV- ERABLE (UG/L AS CO)	COBAL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)
JUN											
07...	<10	<10	10	0	<10	7	<10	4100	1300	1	<10

DATE	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, IN BOT- TOM MA- TERIAL (UG/G)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARRON, ORGANIC TOTAL (MG/L AS C)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
JUN											
07...	330	30	<.5	.0	0	0	40	20	9.9	1	0

PEARL RIVER STUDY NEAR JACKSON, MS--Continued

02486500 - PEARL RIVER AT BYRAM, MS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUN 07...	1000	.0	3	.00	.00	.0	.0	1	.00	.9	.00	.0

DATE	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUN 07...	.00	.0	.00	.0	.00	.3	.00	.0	.00	.0	.00	.0

DATE	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	PARA- THION, TOTAL (UG/L)
JUN 07...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL (UG/L)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
JUN 07...	.0	0	0	.00	.0	.00	0	.01	0	.00	.0

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

HOBOLOCHITTO CREEK STUDY NEAR PICAYUNE, MS

02492350 - EAST HOBOLOCHITTO CREEK AT PICAYUNE, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)		
SEP								
13...	0715	19	38	6.2	25.0	6.0		
13...	0940	20	38	6.2	25.0	6.0		
13...	1310	19	38	6.0	25.0	6.3		
13...	1440	20	38	6.2	26.0	6.4		
13...	1700	20	36	6.4	26.0	7.0		
13...	1930	20	37	6.8	26.0	7.0		
13...	2230	22	37	6.0	26.0	6.8		
14...	0235	22	37	6.1	25.5	6.3		
DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL (MG/L) 5 DAY	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOC- CI, FECAL, KF AGAR (COLS., PFR 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
SEP								
13...	0715	19	.1	110	640	.04	.00	.04
13...	1310	18	.2	>6000	3900	.04	.00	.04
13...	1700	25	.3	120	140	.04	.00	.04
13...	2230	25	.9	120	120	.04	.00	.04

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
SEP							
13...	.03	.59	.62	.66	2.9	.02	.01
13...	.04	.30	.34	.38	1.7	.02	.01
13...	.02	.26	.28	.32	1.4	.02	.00
13...	.09	.64	.73	.77	3.4	.03	.01

02492450 - WEST HOBOLOCHITTO CREEK NR RICHARDSON, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)		
SEP								
13...	0745	40	44	6.2	25.0	6.2		
13...	1005	40	43	6.8	25.5	6.6		
13...	1255	40	43	6.6	26.0	6.7		
13...	1415	40	44	6.5	26.5	7.1		
13...	1615	42	45	7.0	27.0	7.2		
13...	1915	43	43	7.4	26.0	6.9		
13...	2250	44	42	6.4	26.0	7.0		
14...	0250	44	43	6.4	25.0	6.8		

HOBOLOCHITTO CREEK STUDY NEAR PICAYUNE, MS--Continued

02492450 - WEST HOBOLOCHITTO CREEK NR RICHARDSON, MS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
SEP								
13...	0745	14	.0	K1200	1600	.02	.01	.03
13...	1255	14	.0	2500	560	.02	.01	.03
13...	1615	15	.3	240	390	.02	.00	.02
13...	2250	13	2.8	300	400	.01	.00	.01

DATE	NITRO- GEN, AMMONIA (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
SEP							
13...	.04	.28	.32	.35	1.6	.02	.01
13...	.03	.40	.43	.46	2.0	.02	.01
13...	.02	.24	.26	.28	1.2	.02	.01
13...	.02	.21	.23	.24	1.1	.02	.00

02492500 - HOBOLOCHITTO CREEK AT PICAYUNE, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
12...	0900	75	56	6.0	25.0	6.6
12...	1200	65	55	6.1	26.0	6.9
12...	1410	70	55	6.2	26.5	7.2
12...	1630	67	55	7.1	26.0	7.1
12...	1700	70	55	--	26.0	7.1
12...	1800	75	55	--	26.0	7.0
12...	1900	79	55	--	26.0	7.0
12...	1945	84	55	6.8	26.0	6.9
12...	2000	82	55	--	26.0	6.9
12...	2100	78	54	--	26.0	6.9
12...	2200	75	53	6.9	26.0	7.0
12...	2300	73	53	--	26.0	6.9
12...	2400	73	53	--	26.0	6.9
13...	0100	72	53	--	26.0	6.9
13...	0200	72	53	6.7	26.0	6.9
13...	0300	72	53	--	25.5	6.8
13...	0400	73	53	--	25.5	6.6
13...	0500	73	54	--	25.0	6.4
13...	0600	75	54	6.8	25.0	6.2
13...	0700	75	54	--	25.0	6.3
13...	0800	75	54	--	25.0	6.4
13...	0900	75	54	--	25.0	6.5
13...	0925	75	54	6.7	25.0	6.5
13...	1000	75	54	--	25.5	6.5
13...	1100	75	54	--	25.5	6.5
13...	1200	75	54	--	25.5	6.6
13...	1225	75	54	6.3	25.5	6.6
13...	1300	75	54	--	25.5	6.7
13...	1400	75	54	6.5	26.0	6.9
13...	1500	76	54	--	26.5	7.1
13...	1600	76	54	7.2	27.0	7.3
13...	1700	76	54	--	27.0	7.3
13...	1800	76	52	--	27.0	7.3
13...	1900	76	52	7.2	27.0	7.3
13...	2000	79	52	--	27.0	7.3
13...	2100	82	54	--	26.5	7.2
13...	2200	86	54	--	26.0	7.2
13...	2300	90	56	6.3	25.0	7.2
13...	2400	89	56	--	25.0	7.2

HOBLOCHITTO CREEK STUDY NEAR PICAYUNE, MS--Continued

02492500 - HOBLOCHITTO CREEK AT PICAYUNE, MS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

		STREAM- FLOW, INSTAN- TANFOUS (CFS)	SPE- CTIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)		
DATE	TIME							
SEP								
14...	0100	86	56	--	25.0	7.1		
14...	0200	83	55	--	25.0	7.1		
14...	0300	80	54	--	25.0	7.0		
14...	0310	79	54	6.2	25.0	7.0		
14...	0400	87	52	--	25.0	6.9		
14...	0500	95	50	--	25.0	6.9		
14...	0600	107	49	6.6	25.0	6.8		
14...	0700	113	49	--	25.0	6.8		
14...	0800	116	49	--	25.0	6.8		
14...	0900	117	48	--	25.5	6.7		
14...	0930	117	48	6.0	25.5	6.7		
14...	1000	117	48	--	26.0	6.8		
14...	1034	117	50	--	26.0	6.9		
14...	1100	117	50	--	26.5	7.0		
14...	1200	119	52	--	26.5	7.2		
14...	1235	120	52	6.5	27.0	7.3		
14...	1300	119	52	--	27.0	7.2		
14...	1400	117	50	--	27.0	6.9		
14...	1415	117	50	6.3	27.0	6.8		
14...	1500	119	50	--	27.5	7.0		
14...	1600	120	50	6.4	27.5	7.3		
14...	1700	120	50	--	27.5	7.2		
14...	1800	120	50	--	27.0	7.0		
14...	1900	120	50	--	27.0	6.8		
14...	1950	120	50	6.5	26.5	6.6		
14...	2000	120	50	--	26.5	6.6		
14...	2100	120	50	--	26.0	6.7		
14...	2200	119	50	--	26.0	6.7		
14...	2220	119	50	6.5	26.0	6.8		
DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOC- CI, KF AGAR (COLS. PFR 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
SEP								
12...	0605	13	.4	120	200	.03	.01	.04
12...	1200	19	.9	180	200	.03	.01	.04
12...	1630	20	.6	K1500	200	.04	.01	.05
12...	2200	19	1.0	3500	420	.04	.00	.04
13...	0600	14	.9	820	180	.04	.00	.04
13...	1225	19	.5	460	660	.03	.01	.04
13...	1600	15	.6	260	300	.03	.01	.04
13...	2300	17	1.8	640	380	.03	.01	.04
14...	0600	16	.5	K460	300	.03	.01	.04
14...	1235	15	.5	280	180	.02	.01	.03
14...	1600	20	.7	800	120	.02	.01	.03
14...	2220	19	.8	680	200	.03	.01	.04

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- ORTHOPHOS- PHORUS, TOTAL (MG/L AS P)
SEP							
12...	.02	.40	.42	.46	2.0	.02	.01
12...	.01	.27	.28	.32	1.4	.07	.01
12...	.01	.31	.32	.37	1.6	.03	.02
12...	.01	.43	.44	.48	2.1	.03	.02
13...	.00	.38	.38	.42	1.9	.03	.02
13...	.01	.27	.28	.32	1.4	.03	.02
13...	.00	.24	.24	.28	1.2	.03	.02
13...	.02	.42	.44	.48	2.1	.03	.01
14...	.01	.24	.25	.29	1.3	.03	.02
14...	.01	.41	.42	.45	2.0	.03	.02
14...	.00	.42	.42	.45	2.0	.03	.02
14...	.01	.44	.45	.49	2.2	.03	.02

HOBOLCHITTO CREEK STUDY NEAR PICAYUNE, MS--Continued

02492500 - HOBOLCHITTO CREEK AT PICAYUNE, MS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTFMRER 1978

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (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	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CACO3)
SEP 14...	1950	60	6.0	7	0	1.6	.8	6.4	1.0	18	0	15
DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	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)	SOLIDS, SUM OF CONSTIT- UENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	
SEP 14...	9.1	3.3	4.8	.0	14	49	40	.07	15.9	0	0	1
DATE	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
SEP 14...	<10	10	<10	1	<10	1	<10	740	100	12	<10	50
DATE	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	SELF- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/G)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
SEP 14...	<10	<.5	.0	4	<10	0	0	10	<10	4.1	1	0

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

HOBOLOCHITTO CREEK STUDY NEAR PICAYUNE, MS--Continued

02492500 - HOBOLOCHITTO CREEK AT PICAYUNE, MS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR- TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)
SEP 14...	1950	.0	0	.00	.00	.0	.0	0	.00	.0	.00

DATE	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
SEP 14...	.0	.00	.0	.00	.0	.00	.0	.00	.00	.0

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATT. (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATT. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
SEP 14...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATT. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATT. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATT. (UG/KG)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)
SEP 14...	.00	.0	.00	.0	.00	.0	.00	.00	.0	.00

DATE	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL (UG/L)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
SEP 14...	0	0	.00	.0	.00	0	.00	0	.00	.0

HOBLOCHITTO CREEK STUDY NEAR PICAYUNE, MS--Continued

02492502 - HOBLOCHITTO CREEK NR PICAYUNE, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STRAFM- FLOW, INSTAN- TANFOUS (CFS)	SPE- CFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
SEP						
11...	1825	104	65	--	26.5	6.3
11...	1900	104	65	--	--	--
11...	2000	104	65	--	--	--
11...	2100	104	65	--	--	--
11...	2200	104	65	--	--	--
11...	2300	104	65	--	--	--
11...	2400	104	65	--	--	--
12...	0100	104	65	--	--	--
12...	0200	104	65	--	--	--
12...	0300	104	65	--	--	--
12...	0400	104	65	--	--	--
12...	0500	104	65	--	--	--
12...	0600	104	65	--	--	--
12...	0700	104	66	5.9	25.0	6.0
12...	0800	104	66	--	--	--
12...	0900	103	65	--	--	--
12...	0945	103	64	6.1	25.5	5.8
12...	1000	103	64	--	--	--
12...	1100	102	64	--	--	--
12...	1200	120	63	--	--	--
12...	1230	101	63	6.2	26.0	5.7
12...	1300	101	63	--	--	--
12...	1400	100	64	--	--	--
12...	1435	99	64	6.4	26.0	5.7
12...	1500	99	64	--	--	--
12...	1600	99	64	--	--	--
12...	1700	100	65	--	--	--
12...	1715	100	65	6.8	26.0	5.4
12...	1800	100	65	--	--	--
12...	1900	100	64	--	--	--
12...	2000	100	64	5.9	26.0	5.8
12...	2100	100	64	--	--	--
12...	2200	100	64	--	--	--
12...	2230	100	63	6.8	26.0	5.9
12...	2300	100	63	--	--	--
12...	2400	100	63	--	--	--
13...	0100	101	63	--	--	--
13...	0200	101	63	--	--	--
13...	0230	101	63	6.8	26.0	4.9
13...	0300	101	63	--	--	--
13...	0400	100	63	--	--	--
13...	0500	100	63	--	--	--
13...	0600	99	64	--	--	--
13...	0645	99	64	6.2	26.0	5.2
13...	0700	99	64	--	--	--
13...	0800	100	64	--	--	--
13...	0900	100	64	6.6	25.0	5.7
13...	1000	100	64	--	--	--
13...	1100	100	64	--	--	--
13...	1155	101	64	6.2	26.0	5.3
13...	1200	101	64	--	--	--
13...	1300	102	64	--	--	--
13...	1400	102	64	--	--	--
13...	1500	103	64	--	--	--
13...	1510	103	65	6.5	26.5	5.7
13...	1600	103	62	--	--	6.6
13...	1645	104	62	6.8	27.0	7.6
13...	1700	104	62	--	--	7.2
13...	1800	104	62	--	--	6.7
13...	1900	104	63	--	--	6.1
13...	1945	103	63	7.1	26.5	5.7
13...	2000	103	63	--	--	5.8
13...	2100	102	63	--	--	6.0
13...	2200	101	63	--	--	6.3
13...	2215	100	63	6.8	26.0	6.4
13...	2300	100	63	--	--	6.4
13...	2400	100	63	--	--	6.3
14...	0100	101	63	--	--	6.2
14...	0200	101	63	--	--	6.1
14...	0220	101	63	6.7	26.0	6.1
14...	0300	103	63	--	--	6.1
14...	0400	106	63	--	--	6.0
14...	0500	109	63	--	--	5.9
14...	0600	112	62	--	--	5.8
14...	0630	114	60	6.4	26.0	5.8
14...	0700	115	60	--	--	5.8
14...	0800	116	61	--	--	5.8
14...	0900	117	61	6.4	26.0	5.8

HOBLOCHITTO CREEK STUDY NEAR PICAYUNE, MS--Continued

02492502 - HOBLOCHITTO CREEK NR PICAYUNE, MS--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

		STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
DATE	TIME								
SEP									
14...	1000	117	62	--	--	5.9			
14...	1007	117	62	6.5	26.5	5.9			
14...	1100	118	62	--	--	5.9			
14...	1200	120	62	--	--	5.9			
14...	1205	120	62	6.5	26.5	5.9			
14...	1300	118	62	--	--	5.8			
14...	1400	117	63	6.0	27.0	5.7			
14...	1500	120	62	--	--	5.9			
14...	1545	121	61	6.3	27.0	6.1			
14...	1600	121	91	--	--	6.1			
14...	1700	121	61	--	--	6.1			
14...	1800	121	61	--	--	6.0			
14...	1900	121	62	--	--	6.0			
14...	1905	121	62	6.3	26.0	6.0			
14...	2000	121	62	--	--	5.9			
14...	2100	121	62	--	--	5.9			
14...	2200	121	62	6.3	25.5	5.8			
DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL (MG/L) 5 DAY	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCEI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	
SEP									
12...	0700	18	.8	K54	100	.06	.00	.06	
12...	1230	19	.5	K73	310	.05	.01	.06	
12...	1715	16	.5	780	180	.05	.01	.06	
12...	2230	19	.4	3300	580	.06	.01	.07	
13...	0645	17	.4	K2100	180	.05	.01	.06	
13...	1155	19	.1	K6600	300	.05	.01	.06	
13...	1645	16	.4	K81	K100	.05	.01	.06	
13...	2215	31	2.9	K1300	K85	.05	.01	.06	
14...	0630	17	.6	K1200	280	.05	.01	.06	
14...	1205	16	.5	K330	180	.05	.00	.05	
14...	1545	17	.4	1200	120	.05	.00	.05	
14...	2200	24	.7	K88	1300	.08	.00	.08	

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPHOS- TOTAL (MG/L AS P)
SEP							
12...	.02	.42	.44	.50	2.2	.04	.02
12...	.02	.47	.49	.55	2.4	.05	.02
12...	.02	.30	.32	.38	1.7	.46	.44
12...	.03	.27	.30	.37	1.6	.04	.02
13...	.02	.23	.25	.31	1.4	.04	.02
13...	.02	.38	.40	.46	2.0	.04	.02
13...	.02	.31	.33	.39	1.7	.04	.02
13...	.03	.49	.52	.58	2.6	.04	.02
14...	.03	.34	.37	.43	1.9	.03	.02
14...	.01	.33	.34	.39	1.7	.02	.03
14...	.01	.32	.33	.38	1.7	.04	.03
14...	.07	.48	.55	.63	2.8	.04	.03

HOBOLOCHITTO CREEK STUDY NEAR PICAYUNE, MS--Continued

02492502 - HOBOLOCHITTO CREEK NR PICAYUNE, MS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

		COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (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	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)
STEP 14...	1905	50	6.0	8	0	1.7	.9	8.4	1.3	18	0	15
	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	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)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	
STEP 14...	14	3.8	6.0	.0	14	53	44	.07	17.3	1	0	1
	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FF)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)		
STEP 14...	<10	<10	<10	0	<10	1	<10	880	200	5	20	70
	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, IN BOT- TOM MA- TERIAL (UG/G)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHENOLS TOTAL (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
STEP 14...	<10	<.5	.0	3	<10	0	0	10	<10	6.6	9	1

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

HOBLOCHITTO CREEK STUDY NEAR PICAYUNE, MS--Continued

02492502 - HOBLOCHITTO CREEK NR PICAYUNE, MS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)
SEP 14...	1905	.0	0	.00	.00	.0	.0	0	.00	.0	.00

DATE	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDU- SULFAN, TOTAL (UG/L)	ENDU- SULFAN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
SEP 14...	.0	.00	.0	.00	.0	.00	.0	.00	.00	.00	.0

DATE	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
SEP 14...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)
SEP 14...	.00	.0	.00	.0	.00	.0	.00	.00	.0	.00

DATE	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL (UG/L)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
SEP 14...	0	0	.00	.0	.00	0	.00	0	.00	.0

TILLATOBA CREEK STUDY NEAR CHARLESTON, MS

07280250 - TILLATOBA CREEK SOUTHEAST OF OAKLAND, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG 09...	0830	.23	130	7.0	24.0	6.3
SEP 22...	1300	.39	96	7.1	23.0	9.4

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
AUG 09...	0830	70	25	4260	.05	.01	.06
SEP 22...	1300	60	20	>600	.00	.00	.00

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)
AUG 09...	.04	.40	.44	.50	2.2	.06	.02
SEP 22...	.00	.34	.34	.34	1.5	.05	.00

07280264 - TILLATOBA CREEK NEAR TILLATOBA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG 09...	0945	2.0	127	7.4	24.0	8.3
SEP 22...	1100	1.2	100	7.3	21.5	9.4

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
AUG 09...	0945	30	6.0	680	.05	.00	.05
SEP 22...	1100	40	7.0	>600	.05	.00	.05

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)
AUG 09...	.01	.50	.51	.56	2.5	.04	.01
SEP 22...	.01	.63	.64	.69	3.1	.03	.02

TILLATOBA CREEK STUDY NEAR CHARLESTON, MS--Continued

07280270 - TILLATOBA CREEK BELOW OAKLAND, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STRA- FAM- FLOW, INSTAN- TANFOUS (CFS)	SPE- CTFTC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
02...	1715	2.6	--	--	--	--
08...	1500	1.7	112	--	25.0	7.8
08...	1600	1.7	110	--	26.0	8.2
08...	1700	1.7	112	--	27.0	8.5
08...	1800	1.7	112	--	28.0	7.9
08...	1900	1.7	115	--	27.0	7.6
08...	2000	1.7	116	--	26.0	6.4
08...	2100	1.6	118	--	25.0	5.6
08...	2200	1.6	118	--	25.5	5.3
08...	2300	1.6	118	--	25.5	5.3
08...	2400	1.6	118	--	25.5	5.2
09...	0100	1.6	118	--	25.0	5.2
09...	0200	1.6	118	--	24.5	5.2
09...	0300	1.6	118	--	24.0	5.2
09...	0400	1.5	118	--	23.5	5.2
09...	0500	1.5	118	--	23.5	5.2
09...	0600	1.5	118	--	23.5	5.2
09...	0700	1.5	120	--	23.5	5.3
09...	0800	1.5	120	--	23.5	5.9
09...	0900	1.5	120	--	24.5	7.5
09...	1000	1.5	118	--	27.5	8.2
09...	1100	1.5	110	8.0	29.0	8.3
09...	1200	1.5	112	--	29.5	8.9
09...	1300	1.5	112	--	30.5	9.2
09...	1400	1.5	112	--	30.0	8.5
09...	1500	1.5	112	--	29.5	8.9
09...	1600	1.5	112	--	29.0	9.0
09...	1700	1.5	112	--	29.0	8.8
09...	1800	1.5	114	--	29.0	8.2
09...	1900	1.5	116	--	28.0	7.4
09...	2000	1.5	118	--	27.5	6.0
09...	2020	1.5	--	--	--	--
09...	2100	1.5	122	--	27.0	5.6
09...	2200	1.4	122	--	26.0	5.4
09...	2300	1.4	120	--	25.0	5.3
09...	2400	1.4	122	--	24.5	5.3
10...	0100	1.4	120	--	24.5	5.3
10...	0200	1.4	120	--	24.0	5.2
10...	0300	1.4	120	--	24.0	5.2
10...	0400	1.4	120	--	24.0	5.3
10...	0500	1.4	120	--	23.5	5.3
10...	0600	1.4	120	--	23.5	5.4
10...	0700	1.4	120	--	23.5	5.5
10...	0800	1.4	120	--	23.5	5.8
16...	1915	1.0	--	--	--	--
23...	1600	1.0	--	--	--	--
30...	1715	3.3	--	--	--	--
SEP						
06...	2055	2.0	--	--	--	--
13...	1730	3.8	--	--	--	--
20...	2100	2.1	--	--	--	--
21...	1800	1.6	108	--	28.0	6.8
21...	1900	1.7	108	--	25.5	6.0
21...	2000	1.7	108	--	24.5	5.7
21...	2100	1.7	108	--	24.0	5.5
21...	2200	1.7	108	--	23.5	5.5
21...	2300	1.6	108	--	23.0	5.5
21...	2400	1.6	110	--	22.0	5.6
22...	0100	1.5	110	--	21.5	5.7
22...	0200	1.5	110	--	21.5	5.7
22...	0300	1.5	110	--	21.5	5.7
22...	0400	1.4	110	--	21.0	5.6
22...	0500	1.4	112	--	21.0	5.6
22...	0600	1.4	112	--	20.5	5.6
22...	0700	1.4	112	--	20.5	5.7
22...	0800	1.5	112	7.3	20.0	6.2
22...	0900	1.5	112	--	21.0	7.0
22...	1000	1.5	112	--	21.5	7.6

TILLATOBA CREEK STUDY NEAR CHARLESTON, MS--Continued

07280270 - TILLATOBA CREEK BFLOW OAKLAND, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)		
SEP							
22...	1100	1.5	110	22.0	8.4		
22...	1200	1.5	108	22.0	8.8		
22...	1300	1.6	108	22.5	9.2		
22...	1400	1.6	108	24.0	9.2		
22...	1500	1.6	108	25.5	9.3		
22...	1600	1.6	108	27.0	9.3		
DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
AUG							
09...	1100	30	4.0	180	.01	.00	.01
SEP							
22...	0800	50	8.0	1100	.02	.01	.03
DATE	TIME	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
AUG							
09...		.01	.43	.44	.45	2.0	.05
SEP							
22...		.01	.63	.64	.67	3.0	.04

07280275 - DAVIS CREEK NEAR SCOBFY, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)		
AUG								
09...	0930	.12	85	6.9	23.0	4.2		
SEP								
22...	0845	.06	94	6.8	22.0	5.2		
DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
AUG								
09...	0930	20	10	6000	.02	.01	.03	
SEP								
22...	0845	70	9.0	500	.06	.01	.07	
DATE	TIME	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
AUG								
09...		.04	.58	.62	.65	2.9	.07	.01
SEP								
22...		.08	.78	.86	.93	4.1	.08	.06

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

TILLATOBA CREEK STUDY NEAR CHARLESTON, MS--Continued

07280280 - DAVIS CREEK NEAR TILLATOBA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG 09...	1015	1.0	68	7.1	23.0	8.1
SEP 22...	0930	.66	72	7.0	21.0	7.4

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
AUG 09...	1015	50	15	680	.05	.01	.06
SEP 22...	0930	70	25	520	.11	.01	.12

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)
AUG 09...	.01	.59	.60	.66	2.9	.07	.01
SEP 22...	.00	.27	.27	.39	1.7	.06	.03

07280285 - SOUTH FORK TILLATOBA CREEK SW OF TILLATOBA, MISS

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG 09...	1100	1.8	64	6.9	25.0	7.8
SEP 22...	1015	1.2	84	6.8	22.5	7.7

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
AUG 09...	1100	75	20	K1100	.05	.01	.06
SEP 22...	1015	140	37	620	.00	.04	.02

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)
AUG 09...	.06	.45	.51	.57	2.5	.09	.03
SEP 22...	.03	.44	.47	.49	2.2	.12	.10

TILLATOBA CREEK STUDY NEAR CHARLESTON, MS--Continued

07280290 - SIMMONS CREEK NEAR TILLATOBA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG 09...	0730	.19	90	6.8	23.0	5.4
SEP 22...	0830	.32	75	7.0	22.0	7.1

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	COLI- FORM, FFCAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
AUG 09...	0730	160	70	2200	.00	.02	.02
SEP 22...	0830	350	95	--	.03	.01	.04

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)
AUG 09...	.03	.95	.98	1.0	4.4	.09	.06
SEP 22...	.05	1.6	1.6	1.6	7.3	.32	.03

07280295 - SIMMONS CREEK AT TILLATOBA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG 09...	0830	.45	100	6.9	24.0	6.6
SEP 22...	0800	.29	92	6.6	24.0	7.0

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
AUG 09...	0830	120	45	1770	.04	.01	.05
SEP 22...	0800	130	35	1200	.05	.01	.06

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)
AUG 09...	.04	.93	.97	1.0	4.5	.13	.03
SEP 22...	.03	1.1	1.1	1.2	5.1	.16	.04

TILLATOBA CREEK STUDY NEAR CHARLESTON, MS--Continued

07280330 - SOUTH FORK TILLATOBA CREEK NEAR TILLATOBA, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

		STRE- AM- FLOW, INSTAN- TANFOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	
DATE	TIME			(UNITS)			
AUG 09...	1130	3.9	83	7.0	25.5	6.6	
SEP 22...	1100	2.5	98	7.0	23.0	7.6	
		COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
DATE	TIME						
SEP 22...	1100	120	56	1200	.03	.01	.04
		NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)
DATE	TIME						
SEP 22...	.03	.58	.61	.65	2.9	.22	.05

07280340 - SOUTH FORK TILLATOBA CREEK NR CHARLESTON, MS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

		STREAM- FLOW, INSTAN- TANFOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)	
DATE	TIME						
AUG 09...	1145	5.6	85	7.2	27.5	8.0	
SEP 22...	1230	2.8	103	7.1	25.0	7.1	
		COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
DATE	TIME						
AUG 09...	1145	80	40	1000	.02	.01	.03
SEP 22...	1230	300	69	280	.05	.01	.06
		NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)
AUG 09...	.03	.50	.53	.56	2.5	.16	.04
SEP 22...	.01	.93	.94	1.0	4.4	.25	.02

TILLATOBA CREEK STUDY NEAR CHARLESTON, MS--Continued

07280365 - TILLATOBA CREEK NR CHARLESTON, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG 09...	1330	7.9	119	7.7	29.0	7.3
SEP 22...	1000	5.4	110	7.3	23.5	--

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
AUG 09...	1330	40	15	620	.01	.00	.01
SEP 22...	1000	55	20	500	.00	.02	.02

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
AUG 09...	.00	1.0	1.0	1.0	4.5	.09	.02
SEP 22...	.02	.70	.72	.74	3.3	.07	.08

07280400 - TILLATOBA CREEK AT CHARLESTON, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG 09...	1430	15	115	7.3	29.0	7.4
SEP 22...	1500	8.5	135	7.4	26.5	7.9

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
AUG 09...	1430	160	95	4500	.06	.02	.08
SEP 22...	1500	60	32	>600	.02	.01	.03

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
AUG 09...	.06	.88	.94	1.0	4.5	.32	.06
SEP 22...	.02	.68	.70	.73	3.2	.12	.03

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

LEAD BAYOU STUDY NEAR CLEVELAND, MS

07288360 - SEWAGE DISPOSAL DITCH AT CLEVELAND, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

		STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
DATE	TIME			(UNITS)					
AUG									
23...	0845	4.7	1050	7.5	28.0	5.0			
23...	1015	5.0	1100	7.5	29.0	5.8			
23...	1200	5.2	1200	8.7	29.5	6.5			
23...	1500	5.3	1200	6.6	31.0	7.4			
23...	1730	4.9	1100	7.6	31.5	7.0			
23...	2045	4.6	1100	7.3	30.0	6.6			
23...	2335	4.7	1080	7.6	30.0	5.2			
24...	0600	5.1	1100	7.1	28.0	4.8			
24...	0830	4.9	1100	7.3	28.0	4.5			
DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCEI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	
AUG									
23...	0745	16	2.2	--	550	1.2	.01	1.2	
23...	1200	39	13	--	880	.10	1.2	1.3	
23...	1730	28	5.0	K9000	970	1.5	.02	1.5	
23...	2335	15	3.8	35000	720	1.6	.03	1.6	
24...	0600	11	1.0	22000	K1100	1.2	.03	1.2	
DATE		NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOP. TOTAL (MG/L AS P)	
AUG									
23...		.07	.74	.81	2.0	8.9	3.0	.01	
23...		.09	1.1	1.2	2.5	11	5.3	4.0	
23...		.09	2.3	2.4	3.9	17	3.9	3.8	
23...		.24	.86	1.1	2.7	12	3.6	3.3	
24...		.08	.69	.77	2.0	8.7	4.3	.21	

LEAD BAYOU STUDY NEAR CLEVELAND, MS--Continued

07288362 - LEAD BAYOU TRIBUTARY NO. 1 NEAR CLEVELAND, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANFOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
22...	0100	4.9	--	--	--	4.5
22...	0200	4.8	--	--	--	4.4
22...	0300	4.8	--	--	--	4.4
22...	0400	4.8	--	--	--	4.4
22...	0500	4.8	--	--	--	4.5
22...	0600	4.8	1100	--	--	4.6
22...	0615	4.8	1100	7.7	24.0	4.7
22...	0700	4.8	1100	--	--	4.8
22...	0800	4.8	1100	--	--	5.0
22...	0900	4.8	1050	--	--	5.2
22...	0910	4.8	1150	7.6	23.0	5.3
22...	1000	4.8	1050	--	--	5.5
22...	1100	4.8	1050	--	--	6.1
22...	1200	4.8	1080	7.8	25.0	6.9
22...	1300	4.9	1050	--	--	9.2
22...	1400	5.1	1050	--	--	11.0
22...	1500	5.2	1000	8.1	29.0	11.6
22...	1600	5.2	1000	--	--	11.3
22...	1700	5.3	1000	--	--	10.6
22...	1800	5.4	975	8.1	29.0	9.8
22...	1900	5.5	1000	--	--	9.2
22...	2000	5.6	1000	--	--	8.3
22...	2050	5.6	1000	7.9	29.0	6.9
22...	2100	5.7	1000	--	--	6.7
22...	2200	5.8	1000	--	--	5.8
22...	2300	5.9	1000	--	--	5.0
22...	2350	6.0	1000	7.7	27.0	4.5
22...	2400	6.0	1000	--	--	4.5
23...	0100	5.9	1000	--	--	4.6
23...	0200	5.8	1000	--	--	4.7
23...	0300	5.7	1000	--	--	4.8
23...	0400	5.5	1000	--	--	5.0
23...	0500	5.4	1000	--	--	5.4
23...	0510	5.2	1000	7.5	25.0	5.5
23...	0600	5.8	975	--	--	5.1
23...	0615	6.0	975	7.5	25.0	5.0
23...	0700	6.0	975	--	--	5.0
23...	0800	6.1	975	--	--	5.0
23...	0900	6.2	900	7.5	25.0	5.0
23...	1000	6.2	900	--	--	5.2
23...	1100	6.1	900	--	--	6.0
23...	1200	6.0	925	--	--	7.8
23...	1230	6.0	950	7.8	27.5	8.7
23...	1300	6.3	950	--	--	8.9
23...	1400	6.9	950	--	--	9.2
23...	1500	7.5	950	--	--	9.5
23...	1515	7.6	950	8.0	30.0	9.6
23...	1600	7.7	960	--	--	8.8
23...	1700	7.7	970	--	--	7.3
23...	1750	7.8	992	7.8	29.5	5.8
23...	1800	7.8	1000	--	--	5.7
23...	1900	7.9	1000	--	--	5.5
23...	2000	8.0	1000	--	--	5.4
23...	2055	8.0	1000	7.1	29.0	5.3
23...	2100	8.0	1000	--	--	5.3
23...	2200	8.1	1000	--	--	5.1
23...	2300	8.2	1000	--	--	5.0
23...	2400	8.2	950	7.3	28.0	4.9
24...	0100	7.8	975	--	--	4.9
24...	0200	7.5	975	--	--	4.8
24...	0300	7.1	975	--	--	4.8
24...	0400	6.7	975	--	--	4.7
24...	0500	6.4	975	--	--	4.7
24...	0600	6.1	975	--	--	4.6
24...	0630	6.0	975	7.4	25.5	4.5
24...	0700	6.0	975	--	--	4.5
24...	0800	5.9	975	--	--	4.6
24...	0845	5.9	950	7.4	26.0	4.7
24...	0900	5.9	950	--	--	4.8
24...	1000	6.0	950	--	--	5.0
24...	1100	6.1	930	--	--	5.6
24...	1150	6.1	920	7.6	28.0	6.4
24...	1200	6.1	920	--	--	6.5
24...	1300	6.3	920	--	--	7.5
24...	1400	6.5	910	--	--	8.0
24...	1500	6.5	910	8.0	30.5	8.4
24...	1600	6.6	920	--	--	8.1
24...	1700	6.7	950	--	--	7.1

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

LEAD BAYOU STUDY NEAR CLEVELAND, MS--Continued

07288362 - LEAD BAYOU TRIBUTARY NO. 1 NEAR CLEVELAND, MISS. --CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

		STRFAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHQS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)			
DATE	TIME								
AUG									
24...	1800	6.8	1000	7.4	30.5	5.7			
24...	1900	6.8	950	--	--	5.0			
24...	2000	6.7	950	--	--	4.3			
24...	2100	6.7	950	7.6	29.5	4.0			
24...	2200	6.5	950	--	--	3.7			
24...	2300	6.5	950	7.5	29.0	3.5			
24...	2400	6.5	950	--	--	3.5			
25...	0100	6.4	950	--	--	3.6			
25...	0200	6.4	975	--	--	3.7			
25...	0300	6.3	1000	--	--	3.8			
25...	0400	6.3	1100	--	--	3.7			
25...	0500	6.2	1150	--	--	3.6			
25...	0600	6.2	1150	--	--	3.6			
25...	0700	6.1	1150	--	--	3.6			
25...	0800	6.1	1150	--	--	3.6			
25...	0830	6.0	1150	7.3	26.5	3.6			
DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, RIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	
AUG									
22...	0615	22	2.8	--	2500	.74	.03	.77	
22...	1200	19	5.7	--	800	.74	.03	.77	
22...	1800	19	5.3	30000	770	.73	.02	.75	
22...	2350	18	5.1	--	2200	.96	.04	1.0	
23...	0615	10	1.5	--	980	.80	.04	.84	
23...	1230	18	2.5	K3000	550	.61	.01	.62	
23...	1750	39	3.8	K7000	3700	.62	.06	.68	
23...	2400	10	2.9	K13000	3000	.97	.03	1.0	
24...	0630	28	2.3	--	3900	.90	.04	.94	
24...	1150	25	2.5	K6000	K1200	.50	.01	.51	
24...	1800	31	4.1	--	500	1.4	.09	1.5	
24...	2300	32	2.6	--	K1200	.69	.00	.69	
DATE		NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)	
AUG									
22...		.08	.60	.68	1.5	6.4	3.7	3.7	
22...		.10	.54	.64	1.4	6.2	4.2	3.8	
22...		.11	1.4	1.5	2.3	10	4.1	3.8	
22...		.11	.86	.97	2.0	8.7	2.9	2.6	
23...		.08	.75	.83	1.7	7.4	3.3	3.0	
23...		.03	.55	.58	1.2	5.3	2.9	2.8	
23...		.16	1.3	1.5	2.2	9.7	2.9	2.6	
23...		.13	.69	.82	1.8	8.1	6.2	6.1	
24...		.07	.75	.82	1.8	7.8	3.2	2.7	
24...		.05	.80	.85	1.4	6.0	3.3	2.9	
24...		.20	1.0	1.2	2.7	12	11	11	
24...		.05	.64	.69	1.4	6.1	4.1	3.7	

LEAD BAYOU STUDY NEAR CLEVELAND, MS--Continued

07288363 - LEAD BAYOU TRIBUTARY NO. 1 NEAR BOYLE, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

		STREAM- FLOW, INSTAN- TANFOUS (CFS)	SPE- CTIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)		
DATE	TIME			(UNITS)				
AUG								
23...	0725	9.8	948	7.7	25.0	3.0		
23...	0950	11	950	7.7	25.0	3.2		
23...	1345	11	900	7.7	27.0	6.4		
23...	1600	12	900	7.9	28.0	6.8		
23...	1830	13	875	7.8	29.0	5.9		
23...	2130	12	900	7.7	28.0	3.7		
24...	0035	12	925	7.8	28.0	1.3		
24...	0730	11	900	7.4	25.5	3.4		
24...	0915	11	875	7.7	26.0	3.5		
DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (CULS. PER 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
AUG								
23...	0725	47	5.2	--	980	.71	.19	.90
23...	1345	51	5.4	27000	1200	.64	.21	.85
23...	1830	28	5.0	26000	820	.52	.16	.68
24...	0035	55	8.8	40000	960	.65	.21	.86
24...	0730	61	5.4	38000	470	.58	.25	.83

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
AUG							
23...	.34	1.6	1.9	2.8	12	3.7	3.6
23...	.35	2.4	2.7	3.6	16	3.7	3.3
23...	.24	1.7	1.9	2.6	11	3.6	3.1
24...	.23	1.9	2.1	3.0	13	3.1	2.9
24...	.23	1.6	1.8	2.6	12	4.0	4.1

07288364 - LEAD BAYOU TRIBUTARY NO. 2 NEAR BOYLE, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANFOUS (CFS)	SPE- CTFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
23...	0700	1.6	450	7.7	23.5	2.8
23...	0930	1.6	460	7.6	23.5	3.8
23...	1330	1.6	440	7.8	26.5	9.5
23...	1545	1.5	440	7.9	27.5	9.4
23...	1815	1.6	400	7.8	28.0	8.1
23...	2120	1.6	430	7.8	27.5	4.4
24...	0020	1.6	440	7.8	26.0	5.1
24...	0715	1.5	450	7.4	24.0	2.9
24...	0910	1.6	450	7.4	25.0	2.4

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

LEAD BAYOU STUDY NEAR CLEVELAND, MS--Continued

07288364 - LEAD BAYOU TRIBUTARY NO. 2 NEAR BOYLE, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCOCI FECAL, KF AGAR (COLS. PFR 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
AUG								
23...	0700	0	1.4	--	480	.00	.00	.00
23...	1330	11	2.6	2100	560	.00	.00	.00
23...	1815	12	2.0	K1800	680	.00	.00	.00
24...	0020	5	.6	K6000	1100	.00	.01	.01
24...	0715	2	1.1	3700	940	.02	.00	.02

DATE	NITRO- GFN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO. TOTAL (MG/L AS P)
AUG							
23...	.00	.51	.51	.51	2.3	.13	.11
23...	.07	.43	.50	.50	2.2	.13	.07
23...	.00	.45	.45	.45	2.0	.14	.08
24...	.01	.29	.30	.31	1.4	.11	.08
24...	.01	.21	.22	.24	1.1	.13	.10

07288365 - LEAD BAYOU NEAR BOYLE, MISS.

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CTIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DIS- SOLVED (MG/L)
AUG						
22...	0100	11	700	--	--	--
22...	0200	11	700	--	--	--
22...	0300	12	700	--	--	--
22...	0400	12	700	--	--	--
22...	0500	12	700	--	--	--
22...	0600	12	700	--	--	--
22...	0630	12	700	7.8	25.0	2.8
22...	0700	12	710	--	--	3.0
22...	0800	12	720	--	--	4.0
22...	0900	12	725	--	--	5.5
22...	0930	12	725	7.7	25.0	6.6
22...	1000	12	725	--	--	6.5
22...	1100	12	725	--	--	6.4
22...	1200	12	725	--	--	6.0
22...	1215	12	725	7.8	26.5	5.6
22...	1300	12	730	--	--	6.4
22...	1400	12	750	--	--	7.4
22...	1500	13	760	8.1	27.0	8.4
22...	1600	13	760	--	--	8.7
22...	1700	13	760	--	--	9.0
22...	1800	13	750	--	--	8.2
22...	1820	13	750	8.0	28.0	7.8
22...	1900	13	760	--	--	7.1
22...	2000	13	780	--	--	6.0
22...	2100	13	800	--	--	5.0
22...	2110	13	800	7.9	27.0	4.8
22...	2200	13	800	--	--	--
22...	2300	13	800	--	--	--
22...	2400	14	800	--	--	--
23...	0010	14	800	7.5	26.5	3.7
23...	0100	14	800	--	--	--
23...	0200	14	800	--	--	--
23...	0300	14	790	--	--	--
23...	0400	15	780	--	--	--
23...	0500	15	775	--	--	--
23...	0530	15	775	7.6	26.0	3.4
23...	0600	17	790	--	--	--
23...	0620	18	790	7.5	25.0	2.9
23...	0635	18	--	--	--	--

LEAD BAYOU STUDY NEAR CLEVELAND, MS--Continued

07288365 - LEAD BAYOU NEAR BOYLE, MISS. --CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	OXYGEN, DTS- SOLVED (MG/L)
AUG						
23...	0700	18	790	--	25.0	--
23...	0800	17	800	--	25.0	--
23...	0900	17	800	--	25.0	--
23...	0915	17	800	7.5	25.0	3.3
23...	1000	17	800	--	--	--
23...	1100	17	800	--	--	--
23...	1200	17	800	--	--	--
23...	1300	17	800	7.8	26.5	6.1
23...	1400	17	800	--	--	--
23...	1500	17	800	--	--	--
23...	1530	17	800	8.0	27.5	7.7
23...	1600	17	800	--	--	--
23...	1700	17	800	--	--	--
23...	1800	17	800	--	--	--
23...	1805	17	800	7.9	28.5	6.9
23...	1900	17	800	--	--	--
23...	2000	18	800	--	--	--
23...	2100	18	800	--	--	--
23...	2105	18	775	7.8	27.5	5.3
23...	2200	19	800	--	--	--
23...	2300	19	800	--	--	--
24...	0005	20	800	7.8	27.0	4.9
24...	0100	20	800	--	--	--
24...	0200	19	800	--	--	--
24...	0300	19	800	--	--	--
24...	0400	19	800	--	--	--
24...	0500	19	800	--	--	--
24...	0600	19	800	--	--	--
24...	0645	19	800	7.4	26.0	3.4
24...	0700	19	800	--	--	--
24...	0800	19	800	--	--	--
24...	0855	19	825	7.6	28.0	3.3
24...	0900	19	800	--	--	--
24...	1000	18	800	7.8	26.0	3.4
24...	1100	18	800	--	--	--
24...	1200	18	800	--	--	--
24...	1210	18	800	7.4	27.0	4.6
24...	1300	18	800	--	--	--
24...	1400	17	780	--	--	--
24...	1500	17	770	--	--	--
24...	1530	17	760	8.0	28.0	6.2
24...	1600	17	760	--	28.5	6.0
24...	1700	17	760	--	28.5	5.5
24...	1800	17	760	--	28.5	5.0
24...	1815	17	760	7.9	28.5	4.9
24...	1900	17	760	--	28.0	4.7
24...	2000	17	760	--	28.0	4.4
24...	2100	18	770	--	28.0	4.0
24...	2115	18	770	7.9	28.0	3.9
24...	2200	18	770	--	28.0	3.6
24...	2300	18	780	--	27.5	3.3
24...	2315	18	780	7.6	27.5	3.1
24...	2400	18	780	--	27.5	2.9
25...	0100	18	780	--	27.5	2.7
25...	0200	18	780	--	27.5	2.6
25...	0300	18	775	--	27.5	2.6
25...	0400	18	770	--	27.5	2.6
25...	0500	18	770	--	27.5	2.6
25...	0600	18	770	--	27.0	2.5
25...	0700	18	770	--	27.0	2.5
25...	0800	18	780	--	26.5	2.5
25...	0850	18	800	7.4	26.5	2.5

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

LEAD BAYOU STUDY NEAR CLEVELAND, MS--Continued

07288365 - LEAD BAYOU NEAR BOYLE, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIO- CHEM- ICAL, 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCEI FECAL, KF AGAR (COLS. PFR 100 ML)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
AUG								
22...	0630	52	5.0	--	800	.52	.16	.68
22...	1215	45	5.2	>600	310	.56	.10	.66
22...	1820	43	7.0	K15000	640	.51	.03	.54
23...	0010	39	3.4	>600	800	.55	.20	.75
23...	0635	39	4.4	--	690	.61	.16	.77
23...	1300	40	4.0	21000	800	.60	.06	.66
23...	1805	40	3.8	K6000	600	.62	.07	.69
24...	0005	30	6.6	K6000	720	.72	.12	.84
24...	0645	57	2.0	K10000	560	.59	.13	.72
24...	1210	29	4.2	K12000	K800	.86	.08	.94
24...	1815	41	8.0	--	450	.82	.01	.83
24...	2315	39	5.2	K12000	670	1.2	.01	1.2

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
AUG							
22...	.33	3.4	3.7	4.4	19	2.9	2.6
22...	.20	1.9	2.1	2.8	12	4.1	4.0
22...	.11	1.8	1.9	2.4	11	3.6	3.6
23...	.25	2.1	2.3	3.1	14	3.0	2.7
23...	.18	1.8	2.0	2.8	12	3.2	3.2
23...	.18	1.9	2.1	2.8	12	3.1	2.8
23...	.11	1.7	1.8	2.5	11	2.7	2.5
24...	.08	1.6	1.7	2.5	11	2.8	2.6
24...	.15	1.3	1.4	2.1	9.4	2.3	2.3
24...	.13	1.5	1.6	2.5	11	--	--
24...	.15	1.3	1.4	2.2	9.9	3.0	2.9
24...	.09	1.0	1.1	2.3	10	3.0	2.9

LEAD BAYOU STUDY NEAR CLEVELAND, MS--Continued

07288365 - LEAD BAYOU NEAR BOYLE, MISS.--CONTINUED

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (NTU)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (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	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CACO3)
AUG 24...	1000	25	25	150	0	39	12	130	4.7	280	0	230
DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	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)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, DIS- SOLVED (TONS PER DAY)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/L AS AS)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)
AUG 24...	7.1	120	46	.3	17	536	502	.73	26.0	6	3	2
DATE	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)
AUG 24...	0	<10	<10	3	20	11	0	890	7500	25	40	70
DATE	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV- GRAVI- METRIC (MG/L)
AUG 24...	450	<.5	.0	33	20	0	0	5	60	9.8	0	0

ANALYSES OF SAMPLES COLLECTED DURING STUDIES AT SHORT-TERM WATER-QUALITY STATIONS

LEAD BAYOU STUDY NEAR CLEVELAND, MS--Continued

7288365 - LEAD BAYOU NEAR BOYLE, MISS.--CONTINUED

PESTICIDE ANALYSES, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	TIME	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)
AUG 24...	1000	.0	30	.00	.00	.0	.0	0	.00	58	.00

DATE	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- FLORIN TOTAL (UG/L)	DI- FLORIN TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
AUG 24...	81	.00	51	.00	.0	.00	4.8	.00	.00	4.0

DATE	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATH. (UG/KG)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
AUG 24...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	METH- OXY- CHLOR, TOT. IN BOTTOM TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATH. (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATH. (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATH. (UG/KG)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)
AUG 24...	.00	.0	.95	.0	.00	.0	.00	.00	.0	.00

DATE	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4-D, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4,5-T TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	SILVEX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
AUG 24...	0	0	.00	.0	.00	.0	0	.25	0	.00	.0	.0

ADAMS COUNTY

313554091201201. Local number, D1.

LOCATION.--Lat 31°35'54", long 91°20'12", Hydrologic Unit 08060204, sec.14, T.7 N., R.2 W., 5 mi (8 km) northeast of center of Natchez at power plant.

Owner: Mississippi Power and Light Co.

AQUIFER.--Sands of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 456 ft (139 m).

DATUM.--Land-surface datum is 192 ft (59 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.50 ft (0.46 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.50 ft (27.28 m) below land-surface datum, Oct. 29, 1975; lowest measured, 102.97 ft (31.39 m) below land-surface datum, Aug. 30, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 14	96.34	JUN 6	95.56	SEP 14	93.90

313256091214201. Local number, D10.

LOCATION.--Lat 31°32'56", long 91°21'42", Hydrologic Unit 08060204, NW¼NW¼ Lot 87, T.7 N., R.2 W., 2 mi (3.2 km) east of center of Natchez on Liberty Rd.

Owner: Johns Manville Co.

AQUIFER.--Sands of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 436 ft (133 m), cased to 392 ft (119 m).

DATUM.--Land-surface datum is 116.92 ft (35.64 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--April 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 58.62 ft (17.87 m) below land-surface datum, Mar. 31, 1962; lowest measured, 80.18 ft (24.44 m) below land-surface datum, July 25, 1963.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 4	69.10	FEB 16	69.70	MAY 11	69.50	JUN 6	69.20	SEP 14	72.63

312936091294201. Local number, F50.

LOCATION.--Lat 31°29'36", long 91°29'42", Hydrologic Unit 08060204, SW¼SW¼ sec.2, T.6 N., R.4 W., 8 mi (13 km) southwest of center of Natchez on east bank of Mississippi River. Owner: International Paper Co.

AQUIFER.--Mississippi River Valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 4 in (10 cm), depth 152 ft (46 m).

DATUM.--Land-surface datum is 67.97 ft (20.72 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--October 1962 to November 1974, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.18 ft (3.71 m) below land-surface datum, June 6, 1978; lowest measured, 38.58 ft (11.76 m) below land-surface datum, Jan. 28, 1964.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	30.20	JUN 6	12.18

312730091200602. Local number, G7.

LOCATION.--Lat 31°27'30", long 91°20'06", Hydrologic Unit 08060205, NE¼NW¼ Lot 41, T.6 N., R.2 W., 8 mi (13 km) southeast of center of Natchez on Kingston Rd.

Owner: Adams County Water Association.

AQUIFER.--Sands of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 267 ft (81 m), cased to 217 ft (66 m).

DATUM.--Land-surface datum is about 220 ft (67 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in pump base, 3.00 ft (0.91 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 55.40 ft (16.89 m) below land-surface datum, Mar. 23, 1976; lowest measured, 58.20 ft (17.74 m) below land-surface datum, Oct. 29, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUN 6	56.20

GROUND-WATER LEVELS
ADAMS COUNTY--Continued

312752091202201. Local number, G21.

LOCATION.--Lat 31°27'52", long 91°20'22", Hydrologic Unit 08060205, NE¼NW¼ Lot 41, T.6 N., R.2 W., 8 mi (13 km) southeast of center of Natchez on Kingston Rd.

Owner: Adams County Water Association.

AQUIFER.--Sands of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 880 ft (268 m), cased to 840 ft (256 m).

DATUM.--Land-surface datum is about 223 ft (68 m) National Geodetic Vertical Datum of 1929. 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 (49.38 m) below land-surface datum, June 5, 1975; lowest measured, 169.75 ft (51.74 m) below land-surface datum, June 6, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUN 6	169.75

312735091201301. Local number, G23.

LOCATION.--Lat 31°27'35", long 91°20'13", Hydrologic Unit 08060205, Lot 41, T.6 N., R.2 W., 8 mi (13 km) southeast of center of Natchez on Kingston Rd.

Owner: Adams County Water Association.

AQUIFER.--Sands of Miocene age.

WELL CHARACTERISTICS.--Drilled public supply artesian well, diameter 12 in (30 cm), depth 878 ft (268 m), cased to 838 ft (255 m).

DATUM.--Land-surface datum is about 226 ft (69 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent east side of pump base, 3.00 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--August 1974, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 165.00 ft (50.29 m) below land-surface datum, Aug. 16, 1974; lowest measured, 171.98 ft (52.42 m) below land-surface datum, Apr. 5, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUN 6	171.70

ALCORN COUNTY

345545088311002. Local number, G3.

LOCATION.--Lat 34°55'45", long 88°31'10", Hydrologic Unit 08010207, NW¼NW¼ sec.12, T.2 S., R.7 E., 0.5 mi (0.8 km) south of center of Corinth.

Owner: City of Corinth.

AQUIFER.--Coffee Sand of Selma Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 245 ft (75 m).

DATUM.--Land-surface datum is 432 ft (132 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent on railroad side of pump base, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--September 1961, September 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.60 ft (1.71 m) below land-surface datum, Sept. 27, 1961; lowest measured, 9.29 ft (2.83 m) below land-surface datum, Apr. 13, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 13	9.10

ALCORN COUNTY--Continued

34545608313001. Local number, G57.

LOCATION.--Lat 34°54'56", long 88°31'30", Hydrologic Unit 08010207, NW¼NW¼ sec.13, T.2 S., R.7 E., 1 mi (1.6 km) south of center of Corinth.

Owner: City of Corinth.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 453 ft (138 m), cased to 410 ft (125 m).

DATUM.--Land-surface datum is 463 ft (141 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--August 1962 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level, 100.9 ft (30.8 m) below land-surface datum, Oct. 17, 1962; lowest, 224.4 ft (68.4 m) below land-surface datum, Sept. 22, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	199.20	---	196.50	193.50	---	197.40	190.60	189.50	191.50	---	198.10	205.60
10	200.70	---	198.60	192.70	---	198.20	191.20	190.20	194.70	---	196.30	206.50
15	---	---	199.20	197.30	---	194.60	191.20	189.80	196.30	196.80	204.20	---
20	---	---	199.40	199.50	---	193.30	193.00	189.00	---	196.50	206.50	---
25	---	---	197.40	199.50	195.90	192.50	191.00	188.80	---	197.10	207.00	---
EOM	---	---	195.80	---	195.50	191.40	190.20	189.30	---	200.20	207.40	---

345604088321902. Local number, G101.

LOCATION.--Lat 34°56'04", long 88°32'19", Hydrologic Unit 08010207, SW¼SW¼ sec.2, T.2 S., R.7 E., 2 mi (3.2 km) west of center of Corinth, 0.2 mi (0.3 km) north of Ramada Inn.

Owner: City of Corinth.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 520 ft (158 m), cased to 460 ft (140 m).

DATUM.--Land-surface datum is about 480 ft (146 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in well head, 1.00 ft (0.30 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 153.00 ft (46.63 m) below land-surface datum, Mar. 14, 1974; lowest measured, 199.00 ft (60.66 m) below land-surface datum, Feb. 11, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 14	184.31	APR 12	183.90

344642088340501. Local number, K11.

LOCATION.--Lat 34°46'42", long 88°34'05", Hydrologic Unit 08010207, NW¼NE¼ sec.33, T.3 S., R.7 E., 3 mi (4.8 km) northwest of center of Rienzi, 0.5 mi (0.8 km) west of U.S. Highway 45.

Owner: C. B. Curlee.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 574 ft (175 m), cased to 478 ft (146 m).

DATUM.--Land-surface datum is about 460 ft (140 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.50 ft (0.46 m) above land-surface datum.

PERIOD OF RECORD.--September 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.00 ft (27.13 m) below land-surface datum, Dec. 17, 1961; lowest measured, 110.65 ft (34.95 m) below land-surface datum, Apr. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 4	110.65

GROUND-WATER LEVELS

ALCORN COUNTY--Continued

344642088333001. Local number, K53.

LOCATION.--Lat 34°46'42", long 88°33'30", Hydrologic Unit 08010207, SW¼NW¼ sec.34, T.3 S., R.7 W., 2.5 mi (4.0 km) 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 (10 cm), depth 210 ft (64 m), cased to 190 ft (57.9 m).

DATUM.--Land-surface datum is about 450 ft (137 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of casing, 1.00 ft (0.30 m) 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 (12.00 m) below land-surface datum, July 19, 1973; lowest measured, 40.90 ft (12.47 m) below land-surface datum, Apr. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 4	40.90

ATTALA COUNTY

330713089365401. Local number, G1.

LOCATION.--Lat 33°07'13", long 89°36'54", Hydrologic Unit 08060201, NW¼NE¼ sec.31, T.15 N., R.7 W., 4.5 mi (7.2 km) northwest of center of Kosciusko on State Highway 35.

Owner: Fred Turnipseed.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 337 ft (103 m).

DATUM.--Land-surface datum is about 360 ft (110 m) National Geodetic Vertical Datum of 1929. Measuring point:

Jet pipe, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--June 1962 to January 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 37.90 ft (11.55 m) below land-surface datum, Mar. 31, 1976; lowest measured, 41.07 ft (12.52 m) below land-surface datum, June 10, 1962.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 28	37.99

330713089365402. Local number, G13.

LOCATION.--Lat 33°07'13", long 89°36'53", Hydrologic Unit 08060201, NW¼NE¼ sec.31, T.15 N., R.7 E., 4.5 mi (7.2 km) 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 (76 cm), depth 22 ft (6.7 m).

DATUM.--Land-surface datum is about 361 ft (110 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of hole in concrete cap, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--January 1963, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.94 ft (2.72 m) below land-surface datum, Mar. 31, 1976; lowest measured, 15.22 ft (4.64 m) below land-surface datum, Jan. 11, 1963.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 28	12.14

330110089455001. Local number, K22.

LOCATION.--Lat 33°01'10", long 89°45'50", Hydrologic Unit 08060201, SW¼SW¼ sec.35, T.14 N., R.5 E., 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 (5.1 cm), depth reported 356 ft (109 m), cased to about 300 ft (91 m).

DATUM.--Land-surface datum is about 280 ft (85 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of 3/4-in (1.90-cm) pipe (since May 22, 1957), 1.30 ft (0.40 m) 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 (9.14 m) above land-surface datum, 1913; lowest measured, 1.08 ft (0.33 m) above land-surface datum, Apr. 28, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 28	1.30

ATTALA COUNTY--Continued

330328089365901. Local number, M8.

LOCATION.--Lat 33°03'28", long 89°36'59", Hydrologic Unit 03180001, NE¼ sec.20, T.14 N., R.7 E., 0.2 mi (0.3 km) northwest of center of Kosciusko on Adams St.

Owner: Barnett Moving Company (formerly Pet Milk Co.).

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (41 cm), depth 456 ft (139 m).

DATUM.--Land-surface datum is about 423 ft (129 m) National Geodetic Vertical Datum of 1929. Measuring point:

Air vent in pump base, 1.70 ft (0.52 m) above land-surface datum.

PERIOD OF RECORD.--March 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 107.10 ft (32.64 m) below land-surface datum,

Mar. 13, 1962; lowest measured, 124.08 ft (37.82 m) below land-surface datum, Apr. 28, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE WATER
 LEVEL

APR 28 124.08

330330089354401. Local number, M29.

LOCATION.--Lat 33°03'30", long 89°35'44", Hydrologic Unit 03180001, SW¼NW¼ sec.21, T.14 N., R.7 E., 0.1 mi (0.2 km) west of center of Kosciusko on Jefferson St.

Owner: City of Kosciusko.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 387 ft (118 m), cased to 367 ft (112 m).

DATUM.--Land-surface datum is about 472 ft (144 m) National Geodetic Vertical Datum of 1929. Measuring point:

Air vent in pump base, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--March 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 148.70 ft (45.32 m) below land-surface datum,

Mar. 13, 1962; lowest measured, 165.73 ft (50.51 m) below land-surface datum, Apr. 28, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE WATER
 LEVEL

APR 28 165.73

330241089270501. Local number, N13.

LOCATION.--Lat 33°02'41", long 89°27'05", Hydrologic Unit 03180001, SE¼NW¼ sec.26, T.14 N., R.8 E., 8 mi (13 km) 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 (76 cm), depth 30 ft (9.1 m).

DATUM.--Land-surface datum is about 510 ft (155 m) National Geodetic Vertical Datum of 1929. Measuring point:

Inside lip of curb, 2.00 ft (0.61 m) 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 (6.36 m) below land-surface datum, Mar. 12, 1959; lowest measured, 22.95 ft (6.99 m) below land-surface datum, Apr. 27, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE WATER
 LEVEL

APR 27 22.95

325844089462701. Local number, Q14.

LOCATION.--Lat 32°58'44", long 89°46'27", Hydrologic Unit 08060201, NE¼SW¼ sec.15, T.13 N., R.5 E., 3.1 mi (5.0 km) 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 (5.1 cm), depth 409 ft (125 m).

DATUM.--Land-surface datum is about 290 ft (88 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of 2-in (5.1-cm) casing, 1.80 ft (0.55 m) 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 (0.11 m) below land-surface datum,

Mar. 13, 1958; lowest measured, 4.17 ft (1.27 m) below land-surface datum, May 6, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE WATER
 LEVEL

APR 28 3.80

GROUND-WATER LEVELS

ATTALA COUNTY--Continued

325901089333901. Local number, S1.

LOCATION.--Lat 32°59'01", long 89°33'39", Hydrologic Unit 03180001, SE¼NE¼ sec.13, T.13 N., R.7 E., 5 mi (8 km) south of center of Kosciusko on east side of State Highway 35.

Owner: United Gas Co.

AQUIFER.--Sand of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 220 ft (67 m).

DATUM.--Land-surface datum is about 492 ft (150 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of 4-in (10-cm) casing, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--October 1961 to June 1962, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 97.20 ft (29.63 m) below land-surface datum, Apr. 29, 1976; lowest measured, 101.77 ft (31.02 m) below land-surface datum, Oct. 2, 1961.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 28	97.73

325902089333901. Local number, S21.

LOCATION.--Lat 32°59'02", long 89°33'39", Hydrologic Unit 03180001, SE¼NE¼ sec.15, T.13 N., R.7 E., 5 mi (8 km) south of center of Kosciusko on east side of State Highway 35.

Owner: United Gas Co.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 360 ft (110 m), cased to 340 ft (104 m).

DATUM.--Land-surface datum is about 488 ft (149 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of 8-in (20-cm) casing, 0.50 ft (0.15 m) 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 (48 m) below land-surface datum, Oct. 1961; lowest measured, 167.70 ft (51.11 m) below land-surface datum, May 2, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
MAY 2	167.70

BOLIVAR COUNTY

335630090461501. Local number, D31.

LOCATION.--Lat 33°56'30", long 90°46'15", Hydrologic Unit 08030207, SW¼NE¼ sec.12, T.24 N., R.6 W., 0.1 mi (0.2 km) 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 (30 cm), depth 1,575 ft (480 m).

DATUM.--Land-surface datum is 147 ft (45 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent hole in pump base, 1.30 ft (0.40 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.40 ft (0.12 m) above land-surface datum, May 11, 1977; lowest measured, 4.45 ft (1.36 m) below land-surface datum, Oct. 20, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUN 8	.16

33558090465202. Local number, D32.

LOCATION.--Lat 33°55'58", long 90°46'52", Hydrologic Unit 08030207, SE¼NE¼ sec.14, T.24 N., R.6 W., 1.5 mi (2.4 km) 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 pool-supply artesian well, diameter 4 in (10 cm), depth reported 409 ft (125 m).

DATUM.--Land-surface datum is about 150 ft (46 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of 4-in (10-cm) casing plug, 0.30 ft (0.09 m) above land-surface datum.

PERIOD OF RECORD.--September 1949, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24.18 ft (7.37 m) below land-surface datum, Feb. 11, 1976; lowest measured, 25.36 ft (7.73 m) below land-surface datum, May 11, 1977.

No measurement made in water year 1978.

BOLIVAR COUNTY--Continued

334957090564301. Local number, F20.

LOCATION.--Lat 33°49'57", long 90°56'43", Hydrologic Unit 08030207, NE¼NW¼ sec.20, T.23 N., R.7 W., 5 mi (8 km) 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 (41 cm), depth 120 ft (37 m), screened 80-120 ft (24-37 m), cased to 80 ft (24 m).

DATUM.--Land-surface datum is about 145 ft (44 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.15 ft (0.05 m) 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 (4.57 m) below land-surface datum, Apr. 7, 1959; lowest measured, 57.32 ft (17.47 m) below land-surface datum, Sept. 7, 1955.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUN 8	26.12

334708090584101. Local number, J135.

LOCATION.--Lat 33°47'08", long 90°58'41", Hydrologic Unit 08030207, SW¼NE¼ sec.27, T.22 N., R.8 W., 0.2 mi (0.3 km) southeast of center of Beulah at gin.

Owner: Town of Beulah.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 1,760 ft (536 m), screened 1,710-1,760 ft (521-536 m).

DATUM.--Land-surface datum is 146.31 ft (44.60 m) National Geodetic Vertical Datum of 1929. Measuring point: 1/4-in (0.64 cm) gate valve (since Nov. 8, 1974), 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--May 1939 to October 1963, April 1970 to April 1972, November 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.3 ft (9.2 m) above land-surface datum, Apr. 2, 1942; lowest measured, 6.4 ft (2.0 m) above land-surface datum, Oct. 18, 1960.

No measurement made in 1978.

334106090590902. Local number, N2.

LOCATION.--Lat 33°41'06", long 90°59'09", Hydrologic Unit 08030207, SE¼NW¼ sec.34, T.21 N., R.8 W., 2.5 mi (4.0 km) 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 (36 cm), depth 96 ft (29 m).

DATUM.--Land-surface datum is about 135 ft (41 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.70 ft (0.20 m) 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 (1.08 m) below land-surface datum, May 13, 1958; lowest measured, 24.36 ft (7.42 m) below land-surface datum, July 22, 1955.

No measurement made in water year 1978.

333959090435001. Local number, Q150.

LOCATION.--Lat 33°39'59", long 90°43'50", Hydrologic Unit 08030207, NE¼SE¼ sec.17, T.21 N., R.5 W., 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 (7.6-5.1 cm), depth 1,310 ft (399 m), cased to 1,310 ft (399 m).

DATUM.--Land-surface datum is 133.66 ft (40.74 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in pipe (1.90-cm), 1.00 ft (0.30 m) 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 (6.13 m) above land-surface datum, May 30, 1939; lowest measured, 5.92 ft (1.80 m) below land-surface datum, June 8, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUNE 8	5.92

GROUND-WATER LEVELS

BOLIVAR COUNTY--Continued

333530090582401. Local number, R64.

LOCATION.--Lat 31°35'30", long 90°58'24", Hydrologic Unit 08030209, SE¼SE¼ sec.12, T.20 N., R.8 W., at Stringtown.

Owner: H and H Planting Co.

AQUIFER.--Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 520 ft (158 m).

DATUM.--Land-surface datum is 133 ft (41 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 1.8 ft (.55 m) 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 (5.7 m) below land-surface datum,

May 5, 1939; lowest measured, 35.94 ft (10.95 m) below land-surface datum, June 8, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUN 8	35.94

CALHOUN COUNTY

340042089112601.--Local number, E4.

LOCATION.--Lat 34°00'42", long 89°11'26", Hydrologic Unit 08030205, SW¼NW¼ sec. 27, T.12 S., R.1 E., 9 mi (14 km) north of center of Vardaman.

Owner: D. R. Davis

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 11 in (28 cm), depth 1,390 ft (424 m), cased to 1,800 ft (549 m).

DATUM.--Land surface datum is about 350 ft (107 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2 in (5 cm) pipe, 0.8 ft (0.24 m) above land-surface datum.

PERIOD OF RECORD.--October 1959 to April 1963, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORDS.--Highest water level measured, 130.79 ft (39.9 m) below land-surface datum, Apr. 13, 1960; lowest measured, 166.90 ft (50.87 m) below land-surface datum, July 10, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUL 10	166.90

335118089175901. Local number, K101.

LOCATION.--Lat 33°51'18", long 89°17'59", Hydrologic Unit 08030205, NE¼SW¼ sec.13, T.23 N., R.9 E., 0.3 mi (0.5 km) northeast of center of Calhoun City at Adams Street and Taylor Street.

Owner: 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 (30 cm), depth 1,897 ft (579 m), cased to 1,857 ft (566 m).

DATUM.--Land-surface datum is about 270 ft (82 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in north side of pump base, 1.30 ft (0.40 m) 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 (13.03 m) below land-surface datum, Mar. 14, 1957; lowest measured, 69.15 ft (21.08 m) below land-surface datum, Oct. 19, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUL 10	68.70

CHICKASAW COUNTY

34003008844801. Local number D6.

LOCATION.--Lat 34°00'30", long 88°44'48", Hydrologic Unit 03160101, NW¼SE¼ sec. 26, T.12 S., R.5 E., 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 (25 cm), depth reported 400 ft (122 m).

DATUM.--Land-surface datum is about 307 ft (94 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete well base, 2.50 ft (0.76 m) above land-surface datum.

PERIOD OF RECORD.--1917, October 1956, December 1958, October 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87 ft (27 m) below land-surface datum, 1917; lowest measured, 145.97 ft (44.49 m) below land-surface datum, Apr. 3, 1978.

WATER LEVEL, IN FEET, BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 13	143.16	APR 3	145.97	JUL 26	145.32

CHICKASAW COUNTY--Continued

335136089005301. Local number, K37.

LOCATION.--Lat 33°51'36", long 89°00'53", Hydrologic Unit 03180001, SW¼SW¼ sec.17, T.14 S., R.3 E., 2.5 mi (4.0 km) 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 (10 cm), depth reported 130 ft (40 m), cased to 80 ft (24 m).

DATUM.--Land-surface datum is about 320 ft (98 m) National Geodetic Vertical Datum of 1929. 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 (18.11 m) below land-surface datum, Mar. 20, 1962; lowest measured, 67.10 ft (20.45 m) below land-surface datum, Oct. 28, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 19	64.55

CHOCTAW COUNTY

331543089171801. Local number, J35.

LOCATION.--Lat 33°15'43", long 89°17'18", Hydrologic Unit 03180001, NW¼SE¼ sec.8, T.16 N., R.10 E., 0.3 mi (0.5 km) south of center of Weir near Baptist Church.

Owner: Inez Power.

AQUIFER.--Sand of upper part of Wilcox group of early Eocene age.

WELL CHARACTERISTICS.--Dug unused artesian well, diameter 30 in (76 cm), depth 28 ft (8.5 m).

DATUM.--Land-surface datum is about 485 ft (148 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 30-in (76-cm) concrete curb, 2.00 ft (0.61 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.76 ft (5.41 m) below land-surface datum, Apr. 12, 1976; lowest measured, 22.55 ft (6.87 m) below land-surface datum, Oct. 28, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 26	20.20	FEB 17	18.39	APR 27	18.85	JUN 28	17.80	SEP 8	20.10

CLAIBORNE COUNTY

315718090591501. Local number, L5.

LOCATION.--Lat 31°57'18", long 90°59'15", Hydrologic Unit 08060203, Irregular Lot 4, T.11 N., R.2 E., 0.2 mi (0.3 km) 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 (25 cm), depth reported 250 ft (76 m).

DATUM.--Land-surface datum is about 120 ft (37 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base 2.00 ft (0.61 m) 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 (23.43 m) below land-surface datum, Apr. 22, 1963; lowest measured, 125.52 ft (38.26 m) below land-surface datum, June 6, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUN 6	125.52

CLAY COUNTY

333627088390001. Local number, H7.

LOCATION.--Lat 33°36'27", long 88°39'00", Hydrologic Unit 03160104, NW¼SW¼ sec.11, T.17 S., R.6 E., 0.5 mi (0.8 km) northwest of center of West Point at intersection of Division Street and Bugg Street.

Owner: City of West Point.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 309 ft (94 m).

DATUM.--Land-surface datum is about 230 ft (70 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10.2 cm) coupling (since Apr. 12, 1976), 0.20 ft (0.06 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 157.54 ft (48.02 m) below land-surface datum, Mar. 3, 1972; lowest measured, 197.62 ft (60.23 m) below land-surface datum, Sept. 8, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	195.29	APR 5	189.57	JUL 26	195.86	SEP 8	197.62

GROUND-WATER LEVELS

CLAY COUNTY--Continued

333405088393201. Local number, H12.

LOCATION.--Lat 33°34'05", long 88°39'32", Hydrologic Unit 03160104, NE¼SW¼ sec.27, T.17 S., R.6 E., 2 mi (3.2 km) south of center of West Point on west side of U.S. Highway 45 W.

Owner: Burgin Brothers.

AQUIFER.--Sand of McShan Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth reported 700 ft (213 m), cased to 400 ft (122 m).

DATUM.--Land-surface datum is 194 ft (59 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of plate on well head (since Jan. 30, 1976), 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--June 1940, 1954, July 1958 to October 1963, April 1970, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.0 ft (3.4 m) above land-surface datum, June 6, 1940; lowest measured, 44.54 ft (13.58 m) below land-surface datum, May 4, 1977.

No measurement made in water year 1978.

333832088393801. Local number, H13.

LOCATION.--Lat 33°38'32", long 88°39'38", Hydrologic Unit 03160104, NE¼SW¼ sec. 34, T.16 S., R.6 E.,

2.5 mi (4 km) north of center of West Point.

and gravel of Gordo Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 748 ft (228 m).

DATUM.--Land-surface datum is about 245 ft (75 m) National Geodetic Vertical Datum of 1929. Measuring point: Top and outside edge of concrete base, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--1955, October 1962 to October 1963, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.6 ft (5.1 m) below land-surface datum, 1955; lowest measured, 52.70 ft (16.1 m) below land-surface datum May 4, 1977.

No measurement made in water year 1978.

333615088421801. Local number, H32.

LOCATION.--Lat 33°36'15", long 88°42'18", Hydrologic Unit 03160104, NE¼NE¼ sec. 18, T.17 S., R.6 E., 3 mi (4.8 km) west of center of West Point.

Owner: Dr. John Randell.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 380 ft (116 m).

DATUM.--Land-surface datum is about 205 ft (62 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of angle iron, 0.5 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--April 1964, March 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 43.97 ft (13.4 m) below land-surface datum, Apr. 1964; lowest measured, 100.16 ft (30.5 m) below land-surface datum May 4, 1977.

No measurement made in water year 1978.

333712088384601. Local number, H46.

LOCATION.--Lat 33°37'12", long 88°38'46", Hydrologic Unit 03160104, NE¼NW¼ sec.11, T.17 S., R.6 E., 1 mi (1.6 km) northeast of center of West Point on east side of Illinois Central Railroad.

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 (20 cm), depth 810 ft (247 m), cased to 750 ft (229 m).

DATUM.--Land-surface datum is about 240 ft (73 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.10 ft (0.64 m) above land-surface datum.

PERIOD OF RECORD.--July 1963, May 1969, January 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.95 ft (8.52 m) below land-surface datum, July 16, 1963; lowest measured, 57.80 ft (16.66 m) below land-surface datum, July 6, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 12	55.95	DEC 22	55.75	APR 5	55.42	JUN 15	56.69	SEP 8	57.80
NOV 15	55.87	FEB 8	54.80	MAY 3	55.86	JUL 26	56.89		

CLAY COUNTY--Continued

333530088393501. Local number, H151.

LOCATION.--Lat 33°35'30", long 88°39'35", Hydrologic Unit 03160104, NE¼NW¼ sec. 22, T.17 S., R.6 E., 4.5 mi (7.3 km) north of West Point on west side of U.S. Highway 45.

Owner: Prairie Livestock.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 400 ft (121.9 m).

DATUM.--Land-surface datum is about 205 ft (62.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent, at land-surface datum.

PERIOD OF RECORD.--September 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 160.82 ft (49.02 m) below land-surface datum, Apr. 5, 1978; lowest measured, 170.00 ft (51.8 m) below land-surface datum, Sept. 1, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 5	160.82

333618088362001. Local number, J8.

LOCATION.--Lat 33°36'18", long 88°36'20", Hydrologic Unit 03160104, NW¼NE¼ sec.18, T.17 S., R.7 E., 2.7 mi (4.4 km) east of West Point on State Highway 50.

Owner: Wash Davis

AQUIFER.--Sand of Gordo Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5 cm), depth 610 ft (185.93 m).

DATUM.--Land-surface datum is about 210 ft (64.01 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

PERIOD OF RECORD.--1940, August 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5 ft (1.52 m) above land-surface datum, 1940; lowest measured, 25.65 ft (7.82 m) below land-surface datum, May 4, 1977.

No measurement made in water year 1978.

333622088361001. Local number, J125.

LOCATION.--Lat 33°36'22", long 88°36'10", Hydrologic Unit 03160104, NW¼NE¼ sec. 18, T.17 S., R.7 E., 2.3 mi (3.7 km).

Owner: G. W. Davis

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 350 ft (106.7 m).

DATUM.--Land-surface datum is 215 ft (65.5 m) above land-surface datum. Measuring point: Well house floor, at land-surface datum.

PERIOD OF RECORD.--August 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 105 ft (32 m) below land-surface datum, Aug. 31, 1976; lowest measured, 106.86 ft (32.6 m) below land-surface datum, May 4, 1977.

No measurement made in water year 1978.

333219088392801. Local number, K38.

LOCATION.--Lat 33°32'19", long 88°39'28", Hydrologic Unit 03160104, SE¼SE¼ sec. 6, T.19 N., R.16 E., 5 mi (8.0 km) south of center of West Point on U.S. Highway 45 W.

Owner: E. Hildreth.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 400 ft (121.9 m).

DATUM.--Land-surface datum is about 230 ft (70.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) casing, 0.40 ft (0.12 m) above land-surface datum.

PERIOD OF RECORD.--August 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water measured, 123.0 ft (37.5 m) below land-surface datum, Aug. 27, 1976; lowest measured, 123.70 ft (37.7 m) below land-surface datum, May 4, 1977.

No measurement made in water year 1978.

GROUND-WATER LEVELS

COAHOMA COUNTY

342400090322001. Local number, C111.

LOCATION.--Lat 34°24'00", long 90°32'20", Hydrologic Unit 08030204, NW¼SW¼ sec.7, T.29 N., R.2 W., 1 mi (1.6 km) 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 (7.6-5.1 cm), depth 1,837 ft (560 m), screened 1,796-1,837 ft (547-560 m).

DATUM.--Land-surface datum is 180.88 ft (55.13 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in (7.6-cm) tee, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--March 1940 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 40.8 ft (12.4 m) above land-surface datum, July 26, 1940; lowest measured, 4.0 ft (0.12 m) above land-surface datum, Apr. 2, 1976.

No measurement made in water year 1978.

340020090341201. Local number, E132.

LOCATION.--Lat 34°00'20", long 90°34'12", Hydrologic Unit 08030207, SW¼NW¼ sec.36, T.28 N., R.4 W., 4 mi (6.4 km) north of center of Clarksdale on State Highway 6.

Owner: Coahoma Junior College.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 2,000 ft (610 m), cased to 1,960 ft (597 m).

DATUM.--Land-surface datum is 176.74 ft (53.87 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base (since Apr. 2, 1976), 2.50 ft (0.76 m) above land-surface datum.

PERIOD OF RECORD.--March 1940 to July 1961, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.9 ft (13.7 m) above land-surface datum, June 24, 1940; lowest measured, 6.91 ft (2.11 m) above land-surface datum, May 11, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUN 8	7.5

341720090304301. Local number, F12.

LOCATION.--Lat 34°17'19", long 90°30'43", Hydrologic Unit 08030207, NE¼NW¼ sec.21, T.28 N., R.3 W., 8 mi (13 km) 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 (20 cm), depth reported 900 ft (274 m).

DATUM.--Land-surface datum is about 168 ft (51 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of casing, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--April 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.82 ft (1.77 m) below land-surface datum, Apr. 14, 1971; lowest measured, 10.00 ft (3.05 m) below land-surface datum, Aug. 29, 1973.

No measurement made in water year 1978.

341202090343701. Local number, J98.

LOCATION.--Lat 34°12'02", long 90°34'37", Hydrologic Unit 08030207, SW¼NE¼ sec.23, T.27 N., R.4 W., 0.2 mi (0.3 km) west of center of Clarksdale at Second Street and Riverside Ave.

Owner: City of Clarksdale.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 1,200 ft (366 m).

DATUM.--Land-surface datum is about 150 ft (46 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in (5.1-cm) pipe, 0.30 ft (0.09 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.00 ft (0.30 m) below land-surface datum, Apr. 2, 1976; lowest measured, 2.73 ft (0.83 m) below land-surface datum, June 8, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUN 8	2.73

COPIAH COUNTY

315314090233701. Local number, J33.

LOCATION.--Lat 31°53'14", long 90°23'37", Hydrologic Unit 03180003, NE¼NW¼ sec. 34, T.1 N., R.2 W., 2 mi (3.2 km) north of center of Hazlehurst.

Owner: R. C. Owen Co.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS--Drilled unused artesian well, diameter 6 in (15 cm), depth 260 ft (79.3 m), cased to 240 ft (73.2 m).

DATUM.--Land-surface datum is about 430 ft (131.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.50 ft (0.46 m) above land-surface datum, Sept. 4, 1977.

PERIOD OF RECORD.--September 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 93.00 ft (28.35 m) below land-surface datum, September 1967; lowest measured, 101.14 ft (30.83 m) below land-surface datum, Nov. 8, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 3	100.82	NOV 8	101.14	May 9	100.29

315130090233901. Local number, P8.

LOCATION.--Lat 31°51'30", long 90°23'39", Hydrologic Unit 03180003, SW¼ sec. 10, T.10 N., R.8 E., at water plant near center of Hazlehurst.

Owner: Town of Hazlehurst.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS--Drilled unused artesian well, diameter 10 in (25 cm), depth 300 ft (91.4 m), cased to 260 ft (79.2 m).

DATUM.--Land-surface datum is about 442.7 ft (134.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 10 in (25 cm) casing at land-surface datum.

PERIOD OF RECORD.--1954, 1957, August 1971, April 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 174.35 ft (53.14 m) below land-surface datum, May 9, 1978; lowest measured, 196 ft (59.7 m) below land-surface datum, 1954.

WATER LEVEL BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
MAY 9	174.35

315128090205202. Local number, P49.

LOCATION.--Lat 31°51'28", long 90°20'52", Hydrologic Unit 031800003, NE¼NE¼ sec. 12, T.10 N., R.8 E., 3 mi (4.8 km) 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 (15 cm), depth 295 ft (90 m), cased to 225 ft (77.7 m).

DATUM.--Land-surface datum is about 435 ft (133 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.60 ft (0.49 m) 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 (33.5 m) below land-surface datum, 1967; lowest measured, 137 ft (41.8 m) below land-surface datum, Aug. 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
MAY 18	136.96

DE SOTO COUNTY

345736090102301. Local number, A103.

LOCATION.--Lat 34°57'36", long 90°10'23", Hydrologic Unit 08030204, NW¼NE¼ sec.32, T.1 S., R.9 W., 1.2 mi (1.9 km) west of center of Walls.

Owner: H. P. Sullivan.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS--Drilled unused artesian well, diameter 4-2 in (10-5.1 cm), depth 1,525 ft (465 m), cased to 1,485 ft (453 m).

DATUM.--Land-surface datum is about 205 ft (62 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 2-in (5.1-cm) drop pipe, 3.30 ft (1.01 m) above land-surface datum.

PERIOD OF RECORD.--July 1939, February 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.25 ft (4.95 m) above land-surface datum, July 15, 1939; lowest measured, 25.45 ft (7.76 m) below land-surface datum, Apr. 14, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 9	17.01	JUL 13	24.16

GROUND-WATER LEVELS

DE SOTO COUNTY--Continued

345802089494201. Local number, D3.

LOCATION.--Lat 34°58'02", long 89°49'42", Hydrologic Unit 08030204, SE¼NW¼ sec.34, T.1 S., R.6 W., at center of Olive Branch at Pidgeon Roost Road and Commerce Street.

Owner: Town of Olive Branch.

AQUIFER.--Sparta Sand of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth reported 300 ft (91 m).

DATUM.--Land-surface datum is about 400 ft (122 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft (0.76 m) above land-surface datum.

PERIOD OF RECORD.--April 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 130.53 ft (39.79 m) below land-surface datum, Apr. 15, 1971; lowest measured, 142.50 ft (43.43 m) below land-surface datum, Jan. 23, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUL 13	135.15

FORREST COUNTY

311834089170101. Local number, D8.

LOCATION.--Lat 31°18'34", long 89°17'01", Hydrologic Unit 03170005, SE¼NE¼ sec.15, T.4 N., R.13 W., 2 mi (3.2 km) 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 (10 cm), depth 710 ft (216 m), screened 610-710 ft (186-216 m).

DATUM.--Land-surface datum is about 140 ft (43 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.75 ft (0.53 m) 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 (6.42 m) below land-surface datum, Dec. 21, 1964; lowest measured, 92.60 ft (28.22 m) below land-surface datum, Aug. 3, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 25	57.15	FEB 20	66.08	MAY 16	77.95	AUG 3	92.60

311930089173001. Local number, D130.

LOCATION.--Lat 31°19'30", long 89°17'30", Hydrologic Unit 03170005, SE¼NW¼ sec.10, T.4 N., R.13 W., 0.1 mi (0.2 km) south of center of Hattiesburg at Front Street and Hemphill Street at Community Center.

Owner: City of Hattiesburg.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 390 ft (119 m), screened 310-390 ft (94-119 m).

DATUM.--Land-surface datum is 151.76 ft (46.26 m) National Geodetic Vertical Datum of 1929. Measuring point: Top edge of discharge pipe, 7.75 ft (2.36 m) above land-surface datum.

PERIOD OF RECORD.--March 1940 to July 1954, November 1956 to April 1973, June 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.25 ft (2.21 m) above land-surface datum, June 12, 1950; lowest measured, 29.67 ft (9.04 m) below land-surface datum, Apr. 11, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 11	29.67

311137089110501. Local number, G116.

LOCATION.--Lat 31°11'37", long 89°11'05", Hydrologic Unit 03170007, SW¼NE¼ sec.27, T.3 N., R.12 W., 3 mi (4.8 km) east of south gage of Camp Shelby at Jackson Ave. 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 (10-7.6 cm), depth 416 ft (127 m), screened 382-416 ft (116-127 m).

DATUM.--Land-surface datum is 258.44 ft (78.77 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) casing flange, 2.00 ft (0.61 m) 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 (37.21 m) below land-surface datum, Apr. 2, 1954; lowest measured, 142.40 ft (43.40 m) below land-surface datum, Nov. 6, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 11	138.90

FORREST COUNTY--Continued

310135089093101. Local number, L23.

LOCATION.--Lat 31°01'35", long 89°09'31", Hydrologic Unit 03170007, NW¼NW¼ sec.23, T.1 N., R.12 W., 3 mi (4.8 km) southeast of center of Brooklyn at Ash Nursery.

Owner: Ash Nursery.

AQUIFER.--Sand of Hattiesburg Formation of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 720 ft (219 m), cased to 660 ft (201 m).

DATUM.--Land-surface datum is about 275 ft (84 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--April 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 166.50 ft (50.75 m) below land-surface datum, Aug. 5, 1971, lowest measured, 173.48 ft (52.88 m) below land-surface datum, Apr. 11, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 11	173.48

FRANKLIN COUNTY

313026091035101. Local number, F1.

LOCATION.--Lat 31°30'26", long 91°03'51", Hydrologic Unit 08060205, NW¼NE¼ sec.19, T.6 N., R.1 E., 0.1 mi (0.2 km) northeast of center of Roxie at 3rd Street and East Blvd.

Owner: Town of Roxie.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 250 ft (76 m), cased to 230 ft (70 m).

DATUM.--Land-surface datum is about 230 ft (70 m) National Geodetic Vertical Datum of 1929. Measuring point:

Hole in east side of pump base, 1.90 ft (0.58 m) 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, 19.89 ft (6.06 m) below land-surface datum, Mar. 22, 1976; lowest measured, 28.78 ft (8.77 m) below land-surface datum, May 9, 1968.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 5	20.28

GREENE COUNTY

313530088310501 (Formerly 311435088312201). Local number, M2.

LOCATION.--Lat 31°35'30", long 88°31'05", Hydrologic Unit 03170003, NE¼NW¼ sec.7, T.3 N., R.5 W., 8 mi (13 km) northeast of center of Leakesville.

Owner: H. F. Garreston, Jr.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 703 ft (214 m).

DATUM.--Land-surface datum is about 107 ft (33 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of discharge pipe, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--January 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.0 ft (6.7 m) above land-surface datum, Jan. 22, 1970; Apr. 24, 1974; lowest measured, 15.0 ft (4.57 m) above land-surface datum, Apr. 21, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 10	16.4

GROUND-WATER LEVELS

GRENADA COUNTY

335016089471801. Local number, B103.

LOCATION.--Lat 33°01'16", long 89°47'18", Hydrologic Unit 08030205, NE¼NE¼ sec.29, T.23 N., R.5 E., 4 mi (6.4 km) north of center of Grenada and 0.3 mi (0.5 km) east of Grenada Airport.

Owner: U.S. Government. Grenada Reservoir.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12-8 in (30-20 cm), depth 257 ft (78 m), screened 227-257 ft (69-78 m).

DATUM.--Land-surface datum is 207.07 ft (63.11 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of south side of concrete base, 1.20 ft (0.37 m) above land-surface datum.

REMARKS.--Affected by stage of Grenada Reservoir; well is 0.5 mi (8.0 km) below dam.

PERIOD OF RECORD.--1942, January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.98 ft (0.60 m) below land-surface datum, Apr. 19, 1962; lowest measured, 30.08 ft (9.17 m) below land-surface datum, Oct. 28, 1942.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 20	9.87

334556089583501. Local number, F112.

LOCATION.--Lat 33°45'56", long 89°58'45", Hydrologic Unit 08030205, SE¼SE¼ sec.16, T.22 N., R.3 E., 0.2 mi (0.3 km) 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 (7.6 cm), depth 983 ft (300 m), screened 943-983 ft (287-300 m).

DATUM.--Land-surface datum is 183.14 ft (55.82 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in (7.6-cm) tee, 1.40 ft (0.43 m) above land-surface datum, or top of discharge pipe, 1.20 ft (0.37 m) 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 (9.3 m) above land-surface datum, July 31, 1941; lowest measured, 6.0 ft (1.83 m) above land-surface datum, Apr. 28, 1977.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUL 26	8.0

334128089441701. Local number, H111.

LOCATION.--Lat 33°41'28", long 89°44'17", Hydrologic Unit 08030205, SE¼SE¼ sec.11, T.21 N., R.5 E., 1 mi (1.6 km) 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 (20 cm), depth 502 ft (153 m), screened 421-502 ft (128-153 m).

DATUM.--Land-surface datum is 208.69 ft (63.61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base (since Feb. 11, 1976), 4.00 ft (1.22 m) 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 (4.72 m) above land-surface datum, Jan. 2, 1943; lowest measured, 1.02 ft (0.31 m) above land-surface datum, Apr. 20, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 20	1.02

334147089433801. Local number, H113.

LOCATION.--Lat 33°41'47", long 89°43'38", Hydrologic Unit 08030205, NE¼SW¼ sec.12, T.21 N., R.5 E., 1.5 mi (2.4 km) 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 (30-25 cm), depth 211 ft (64 m), screened 161-211 ft (49-64 m).

DATUM.--Land-surface datum is 216.70 ft (66.05 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent hole in pump base, 3.40 ft (1.04 m) 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, 7.39 ft (2.25 m) below land-surface datum, Apr. 6, 1976; lowest measured, 15.74 ft (4.80 m) below land-surface datum, Nov. 6, 1957.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 20	8.94

GRENADA COUNTY--Continued

334148089425701. Local number, J2.

LOCATION.--Lat 33°41'48", long 89°42'57", Hydrologic Unit 08030205, NW¼SW¼ sec. 7, T.21 N., R.6 E., 2.5 mi (4.0 km) 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 (30 cm), depth 429 ft (131 m), cased to 390 ft (119 m).

DATUM.--Land-surface datum is 227.21 ft (69.25 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base (since Feb. 11, 1976, 1.50 ft (0.46 m) 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 (0.64 m) above land-surface datum, Sept. 19, 1942; lowest measured, 14.03 ft (4.28 m) below land-surface datum, Apr. 20, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
------	----------------

APR 20	14.03
--------	-------

HANCOCK COUNTY

302158089372901. Local number, H3.

LOCATION.--Lat 30°21'58", long 89°37'29", Hydrologic Unit 03180004, SW¼NW¼ sec. 8, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 1524 ft (465 m), cased to 1464 ft (446 m).

DATUM.--Land-surface datum is 28 ft (8.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of well head 4.20 ft (1.28 m) 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 (26.5 m) above land-surface datum, January 1963 lowest measured, 54.6 ft (16.64 m) above land-surface datum, Oct. 5, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
------	----------------

OCT 5	54.6
-------	------

302140089345901. Local number, H4.

LOCATION.--Lat 30°21'40", long 89°34'59", Hydrologic Unit 03180004, NE¼SE¼ sec.10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in (46 cm), depth 1873 ft (571 m), cased to 1803 ft (550 m).

DATUM.--Land-surface datum is 21 ft (6.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of faucet 1.90 ft (0.58 m) 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 (31.7 m) above land-surface datum, 1963; lowest measured, 77.8 ft (23.7 m) above land-surface datum, Apr. 1, 1976.

No measurement made in water year 1978.

302227089373001. Local number, H5.

LOCATION.--Lat 30°22'27", Long 89°37'30", Hydrologic Unit 03180004, NE¼SW¼ sec. 5, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 1481 ft (451 m), cased to 1420 ft (433 m).

DATUM.--Land-surface datum 29 ft (8.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of well head 6.20 ft (1.89 m) 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 (24.8 m) above land-surface datum June 3, 1966; lowest measured, 56.33 ft (17.17 m) above land-surface datum May 16, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
------	----------------

MAY 16	56.33
--------	-------

GROUND-WATER LEVELS

HANCOCK COUNTY--Continued

302140089351401. Local number, H6.

LOCATION.--Lat 30°21'40", long 89°35'14", Hydrologic Unit 03180004, NE¼SW¼ sec.10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18 in (46 cm), depth 1695 ft (517 m), cased to 1585 ft (483 m).

DATUM.--Land-surface datum is 23 ft (7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base 3.0 ft (0.91 m) 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 (28.9 m) above land surface datum, Nov. 11, 1965; lowest measured, 70.7 ft (21.5 m) above land surface datum, Apr. 1, 1976.

No measurement made in water year 1978.

302206089350601. Local number, H7.

LOCATION.--Lat 30°22'06", long 89°35'06", Hydrologic Unit 03180004, NW¼NE¼ sec.10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30.5 cm), depth 1434 ft (437.1 m), cased to 1371 ft (417.9 m).

DATUM.--Land-surface datum is 25 ft (7.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Bottom of recorder 0.4 ft (0.12 m) 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 (27.3 m) above land-surface datum, March 1, 1967; lowest measured, 65.56 ft (19.98 m) above land-surface datum, May 16, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
MAY 16	65.56

302126089351401. Local number, H8.

LOCATION.--Lat 30°21'26", long 89°35'14", Hydrologic Unit 03180004, SW¼SE¼ sec. 10, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene Age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 24 in (61 cm), depth 672 ft (205 m), cased to 460 ft (140 m).

DATUM.--Land-surface datum is 19 ft (5.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 3.5 ft (1.1 m) 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 (4.5 m) above land-surface datum, April 19, 1965; lowest measured, 5.1 ft (1.6 m) above land-surface datum, Apr. 25, 1970.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
MAY 16	9.20

302118089351501. Local number, H11.

LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼NE¼ sec. 15, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 676 ft (206 m), cased to 646 ft (197 m).

DATUM.--Land-surface datum is 21.4 ft (6.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (1.90-cm) gate valve, 2.90 ft (0.88 m) 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 (5.3 m) above land-surface datum, Apr. 20, 1972; lowest measured, 9.0 ft (2.7 m) above land-surface datum, Apr. 11, 1968.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
MAY 16	11.55

HANCOCK COUNTY--Continued

302118089351502. Local number, H12.

LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼NE¼ sec.15, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 599 ft (183 m), cased to 569 ft (173 m).

DATUM.--Land-surface datum is 20.9 ft (6.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (1.90-cm) gate valve, 2.90 ft (0.88 m) 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 (4.4 m) above land-surface datum, Apr. 20, 1972; lowest measured, 5.5 ft (1.7 m) above land-surface datum, Apr. 11, 1968.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
MAY 16	6.67

302118089351503. Local number, H13.

LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NW¼NE¼ sec.15, T.8 S., R.16 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

Owner: Mississippi Test Facility (NASA).

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 491 ft (150 m), cased to 461 ft (141 m).

DATUM.--Land-surface datum is 21.2 ft (6.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (1.90-cm) gate valve, 2.60 ft (0.79 m) 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 (3.8 m) above land-surface datum, Apr. 20, 1972; lowest measured, 1.0 ft (0.30 m) above land-surface datum, Apr. 11, 1968.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
MAY 16	4.62

302118089351504. Local number, H14.

LOCATION.--Lat 30°21'18", long 89°35'15", Hydrologic Unit 03180004, NE¼ sec.15, T.8 S., R.6 W., 20 mi (32 km) northwest of center of Bay St. Louis at NASA site on State Highway 607.

AQUIFER.--Sand of Citronelle Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 144 ft (44 m), cased to 84 ft (26 m).

DATUM.--Land-surface datum is about 20 ft (6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.50 ft (0.46 m) 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 (1.1 m) below land-surface datum, May 1, 1974; lowest measured, 8.3 ft (2.5 m) below land-surface datum, June 3, 1968.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
MAY 16	4.45

301858089202301. Local number, K1.

LOCATION.--Lat 30°18'58", long 89°20'23", Hydrologic Unit 03170009, NW¼SW¼ sec.3, T.8 S., R.13 W., 0.5 mi (0.8 km) 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 (10 cm), depth 1,300 ft (396 m), cased to 1,280 ft (390 m).

DATUM.--Land-surface datum is about 16 ft (4.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of plate on well head, 1.20 ft (0.37 m) above land-surface datum.

PERIOD OF RECORD.--November 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.1 ft (9.2 m) above land-surface datum, Nov. 1, 1960; lowest measured, 3.20 ft (0.98 m) below land-surface datum, Apr. 11, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 11	3.20

GROUND-WATER LEVELS

HANCOCK COUNTY--Continued

301900089201801. Local number, K4.

LOCATION.--Lat 30°19'00", Long 89°20'18", Hydrologic Unit 03170009, SW¼ sec.30, T.8 S., R.13 W., .2 mi (.32 km) north of Beach Blvd. 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 (20 cm), depth 1210 ft (369 m), cased to 1150 ft (292 m).

DATUM.--Land-surface datum is about 16 ft (4.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base at land-surface datum.

PERIOD OF RECORD.--August 1975, April 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17 ft (5.2 m) above land-surface datum, Aug. 1975; lowest water level measured 9.74 (2.97 m) above land-surface datum, Apr. 11, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 11	9.74

HARRISON COUNTY

303110089070201. Local number, G121.

LOCATION.--Lat 30°31'10", long 87°07'02", Hydrologic Unit 03170009, NE¼SW¼ sec.17, T.6 S., R.11 W., 2 mi (3.2 km) northwest of center of Lyman at fish hatchery.
 Owner: Mississippi Game and Fish Commission.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (7.6 cm), depth 456 ft (139 m), screened 416-456 ft (127-139 m).

DATUM.--Land-surface datum is about 70 ft (22 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft (0.12 m) 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 (3.0 m) below land-surface datum, Apr. 14, 1939; lowest measured, 50.9 ft (15.51 m) below land-surface datum, Oct. 29, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 11	50.20

302240089025401. Local number, L144.

LOCATION.--Lat 30°22'40", long 89°02'54", Hydrologic Unit 03170009, SW¼NW¼ sec.1, T.8 S., R.11 W., 2.5 mi (4.0 km) 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 (10 cm), depth reported 898 ft (274 m), cased to 818 ft (249 m).

DATUM.--Land-surface datum is about 21 ft (6.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Steel plate on top of tee, 3.00 ft (0.91 m) 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 (8.6 m) above land-surface datum, Mar. 17, 1939; lowest measured, 29.79 ft (9.08 m) below land-surface datum, Sept. 2, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 11	26.91

302200089053301. Local number, L154.

LOCATION.--Lat 30°22'00", long 89°05'33", Hydrologic Unit 03170009, NW¼NE¼ sec.9, T.8 S., R.11 W., at center of Gulfport at post office at U.S. Highways 49 and 90.

Owner: U.S. Post Office Dept., Gulfport.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (7.6 cm), depth 1,262 ft (385 m), screened 1,232-1,262 ft (376-385 m).

DATUM.--Land-surface datum is 19.62 ft (5.98 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in (7.6-cm) casing tee, 1.70 ft (0.52 m) 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 (8.3 m) above land-surface datum, Jan. 31, 1940; lowest measured, 13.33 ft (4.06 m) below land-surface datum, Apr. 11, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 11	13.33

HARRISON COUNTY--Continued

302127089051901. Local number, L172.

LOCATION.--Lat 30°21'27", long 89°05'19", Hydrologic Unit 03170009, NW¼NE¼ sec.9, T.8 S., R.11 W., 0.7 mi (1.1 km) south of center of Gulfport on south end of municipal pier.
 Owner: Gulfport Municipal Harbor. South end of main pier.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth reported 800 ft (244 m), cased to 760 ft (232 m).

DATUM.--Land-surface datum is 7.6 ft (2.93 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.70 ft (0.52 m) above land-surface datum.

PERIOD OF RECORD.--1939, June 1956 to November 1974, April 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.0 ft (11.6 m) above land-surface datum, Mar. 16, 1939; lowest measured, 5.8 ft (1.8 m) below land-surface datum, Nov. 6, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 11	5.38

302355088540301. Local number, M120.

LOCATION.--Lat 30°23'55", long 88°54'03", Hydrologic Unit 03170009, NW¼SE¼ sec.26, T.7 S., R.9 W., 1 mi (1.6 km) west of center of Biloxi at Howard Ave. and Querens Street.

Owner: City of Biloxi.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth reported 928 ft (283 m), sounded to 660 ft (201 m).

DATUM.--Land-surface datum is 21.28 ft (6.49 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in (20-cm) flange, 3.00 ft (0.91 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--1903, January 1945 to June 1946, March 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.0 ft (13.4 m) above land-surface datum, 1903; lowest measured, 63.0 ft (19.2 m) below land-surface datum, June 15, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	57.20	---	---	---	---	51.08	---	---	---	59.40	59.60	60.90
10	55.90	---	---	---	---	---	46.19	---	---	55.10	58.80	58.80
15	54.40	---	---	---	---	---	---	---	---	54.10	50.60	54.60
20	---	---	---	47.20	---	---	---	---	---	52.10	59.60	53.40
25	---	---	---	---	---	---	---	---	53.10	60.60	59.20	58.30
EQM	---	---	---	---	---	---	---	---	55.70	52.80	54.40	58.60

301856089145301. Local number, N3.

LOCATION.--Lat 30°18'56", long 89°14'53", Hydrologic Unit 03170009, SW¼NW¼ sec.30, T.8 S., R.13 W., 0.1 mi (0.2 km) 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 (15 cm), depth 1,111 ft (339 m), cased to 1,051 ft (320 m).

DATUM.--Land-surface datum is about 15 ft (4.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 8-in (20-cm) tee, 2.00 ft (0.61 m) 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 (12 m) above land-surface datum, 1948; lowest measured, 6.6 ft (2.0 m) above land-surface datum, Jan. 8, 1974.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 11	8.24

GROUND-WATER LEVELS

HINDS COUNTY

322828090170501. Local number, C15.

LOCATION.--Lat 32°28'28", long 90°17'05", Hydrologic Unit 08060202, SW¼SE¼ sec.3, T.2 N., R.1 W., 0.2 mi (0.3 km) 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 unused artesian well, diameter 4 in (10 cm), depth reported 786 ft (240 m).

DATUM.--Land-surface datum is about 240 ft (73 m) National Geodetic Vertical Datum of 1929. Measuring point:

Hole in plate on well head, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--September 1959, September 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 87.60 ft (26.70 m) below land-surface datum, Sept. 15, 1959; lowest measured, 103.74 ft (31.62 m) below land-surface datum, May 11, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
------	----------------

MAY 11	103.74
--------	--------

321949090361501. Local number, D1.

LOCATION.--Lat 32°19'49", long 90°36'15", Hydrologic Unit 08060202, SW¼SW¼ sec.27, T.6 N., R.4 W., 0.2 mi (0.3 km) 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 (30 cm), depth 1,154 ft (352 m).

DATUM.--Land-surface datum is about 220 ft (67 m) National Geodetic Vertical Datum of 1929. 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 (26 m) below land-surface datum, 1930; lowest measured, 113.16 ft (34.49 m) below land-surface datum, Apr. 27, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
------	----------------

MAY 9	110.30
-------	--------

321945090152201. Local number, G125.

LOCATION.--Lat 32°19'45", long 90°15'22", Hydrologic Unit 03180002, SE¼SW¼ sec.25, T.6 N., R.1 W., 5 mi (8 km) northwest of center of Jackson at Clinton Blvd. and Dixon Rd.

Owner: Shady Oaks Country Club.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 852 ft (260 m), cased to 802 ft (244 m).

DATUM.--Land-surface datum is 372 ft (113 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) coupling, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--1928, September 1944 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 160.0 ft (48.8 m) below land-surface datum, 1928; lowest measured, 294.27 ft (89.91 m) below land-surface datum, Sept. 28, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	287.14	DEC 20	285.05	FEB 23	286.79	APR 26	288.04	JUN 27	290.18	AUG 22	293.62
NOV 23	285.66	JAN 27	287.22	MAR 23	287.18	MAY 24	287.26	JUL 26	292.40	SEP 28	294.27

322146090133001. Local number, H3.

LOCATION.--Lat 32°21'46", long 90°13'30", Hydrologic Unit 03180002, SW¼SW¼ sec.8, T.6 N., R.1 E., 7 mi (11 km) northwest of center of Jackson on Forrest Ave. Ext.

Owner: R. D. Robinson.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 3 in (7.6 cm), depth 760 ft (232 m).

DATUM.--Land-surface datum is about 360 ft (110 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--April 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 200.00 ft (60.96 m) below land-surface datum, Apr. 2, 1970; lowest measured, 259.60 ft (79.13 m) below land-surface datum, July 26, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	256.30	JAN 27	248.80	APR 26	256.37	JUL 26	259.60	AUG 22	258.75

HINDS COUNTY--Continued

322301090090001. Local number, H23.

LOCATION.--Lat 32°23'01", long 90°09'00", Hydrologic Unit 03180002, NW¼NE¼ sec.12, T.6 N., R.1 E., 6 mi (9.7 km) north of center of Jackson at Briarwood Drive and 155.

Owner: Kenneth Muse.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 728 ft (222 m).

DATUM.--Land-surface datum is about 315 ft (96 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.65 ft (0.20 m) above land-surface datum.

PERIOD OF RECORD.--October 1955 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 161.96 ft (49.37 m) below land-surface datum, Apr. 12, 1957; lowest measured, 222.74 ft (67.89 m) below land-surface datum, Sept. 28, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	219.45	DEC 20	217.72	FEB 23	218.47	APR 26	219.15	JUN 27	220.02	AUG 21	220.37
NOV 23	218.40	JAN 27	217.97	MAR 23	218.65	MAY 24	218.71	JUL 26	221.29	SEP 28	222.74

322021090114101. Local number, H43.

LOCATION.--Lat 32°20'21", long 90°11'41", Hydrologic Unit 03180002, NE¼NE¼ sec.23, T.6 N., R.1 E., 6 mi (9.7 km) north of center of Jackson at Livingston Road and Stonewall Street.

Owner: Royster Guano.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 850 ft (259 m).

DATUM.--Land-surface datum is 336.83 ft (102.67 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--April 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 186.69 ft (56.90 m) below land-surface datum, Apr. 12, 1957; lowest measured, 247.61 ft (75.47 m) below land-surface datum, Aug. 22, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	242.50	JAN 27	240.80	APR 26	242.99	JUL 26	246.30	AUG 22	247.61

321957090105601. Local number, H155.

LOCATION.--Lat 32°19'57", long 90°10'56", Hydrologic Unit 03180002, NW¼SE¼ sec.27, T.6 N., R.1 E., 2 mi (3.2 km) north of center of Jackson or North West Street near Taylor Street.

Owner: Mississippi Geological Survey.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well (test hole), diameter 4 in (10 cm), depth 158 ft (48 m).

DATUM.--Land-surface datum is about 330 ft (101 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.40 ft (0.12 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 143.13 ft (43.63 m) below land-surface datum, July 11, 1972; lowest 149.35 ft (45.52 m) below land-surface datum, Aug. 22, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	148.19	JAN 27	148.22	APR 26	148.54	JUL 26	149.10	AUG 22	149.35

322241090073701. Local number, H160.

LOCATION.--Lat 32°22'41", long 90°07'37", Hydrologic Unit 03180002, SE¼NE¼ sec.7, T.6 N., R.2 E., 7 mi (11 km) northeast of center of Jackson at Old Canton Road and Parkway.

Owner: Colonial Country Club.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth reported 773 ft (236 m), cased to 634 ft (193 m).

DATUM.--Land-surface datum is about 305 ft (93 m) National Geodetic Vertical Datum of 1929. 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 (41.68 m) below land-surface datum, Mar. 30, 1954; lowest measured, 204.55 ft (62.35 m) below land-surface datum, Sept. 28, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	200.35	DEC 20	198.86	FEB 23	199.12	APR 26	200.08	JUN 27	202.22	AUG 21	203.81
NOV 23	199.43	JAN 27	197.90	MAR 23	199.20	MAY 24	199.75	JUL 26	202.97	SEP 28	204.55

GROUND-WATER LEVELS

HINDS COUNTY--Continued

32222090095201. Local number, H164.

LOCATION.--Lat 32°22'22", long 90°09'52", Hydrologic Unit 03180002, SW¼SE¼ sec.11, T.6 N., R.1 E., 7 mi (11 km) 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 (10 cm), depth 738 ft (225 m).

DATUM.--Land-surface datum is about 298 ft (91 m) National Geodetic Vertical Datum of 1929. Measuring point: Plug in west side of casing, 0.3 ft (0.09 m) 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 (59.63 m) below land-surface datum, June 10, 1977; lowest 206.95 ft (62.45 m) below land-surface datum, Aug. 22, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
AUG 22	206.95

321521090245101. Local number, L5.

LOCATION.--Lat 32°15'21", long 90°24'51", Hydrologic Unit 08060202, NE¼NW¼ sec.20, T.5 N., R.2 E., 0.1 mi (0.2 km) 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 (30 cm), depth 1,185 ft (361 m).

DATUM.--Land-surface datum is about 328 ft (100 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 1.00 ft (0.30 m) 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 (58.43 m) below land-surface datum, Mar. 18, 1971; lowest measured, 205.31 ft (62.58 m) below land-surface datum, May 9, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
MAY 9	205.31

321300090142001. Local number, R23.

LOCATION.--Lat 32°13'00", long 90°14'20", Hydrologic Unit 03180002, SE¼NW¼ sec.6, T.4 N., R.1 E., 6 mi (9.7 km) south of center of Jackson at Taylorsville on Elton Road near Terry Road.

Owner: E. J. Ainsworth.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 840 ft (256 m).

DATUM.--Land-surface datum is about 380 ft (116 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

PERIOD OF RECORD.--June 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 220.97 ft (67.35 m) below land-surface datum, June 30, 1959; lowest measured, 272.00 ft (82.91 m) below land-surface datum, Aug. 22, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 26	269.21	AUG 22	272.00

320620090370001. Local number, S3.

LOCATION.--Lat 32°06'20", long 90°37'00", Hydrologic Unit 08060203, NE¼NW¼ sec.16, T.3 N., R.4 W., 1 mi (1.6 km) east of center of Utica on State Highway 28 near State Highway 27.

Owner: Town of Utica.

AQUIFER.--Sand of Cockfield Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 1,310 ft (399 m), screened 1,240-1,310 ft (378-399 m).

DATUM.--Land-surface datum is about 308 ft (94 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.40 ft (0.43 m) above land-surface datum.

PERIOD OF RECORD.--October 1956 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 179.65 ft (54.76 m) below land-surface datum, Feb. 27, 1958; lowest measured, 192.30 ft (58.61 m) below land-surface datum, June 6, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 10	192.20	JUN 6	192.30

HOLMES COUNTY

330650090034501. Local number, L43.

LOCATION.--Lat 33°06'50", long 90°03'45", Hydrologic Unit 08030206, SW¼NE¼ sec.35, T.15 N., R.2 E., 0.3 mi (0.5 km) 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 (5.1 cm), depth reported 1,000 ft (305 m).

DATUM.--Land-surface datum is about 205 ft (62 m) National Geodetic Vertical Datum of 1929. 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 (0.88 m) above land-surface datum, Jan. 12, 1959; lowest measured, 0.90 ft (0.27 m) below land-surface datum, Nov. 3, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 28	0.03

330448090192201. Local number, P159.

LOCATION.--Lat 33°04'48", long 90°19'22", Hydrologic Unit 08030206, NE¼NW¼ sec.8, T.14 N., R.1 W., 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 (7.6-5.1 cm), depth, 1,597 ft

(487 m), screened 1,557-1,597 ft (475-487 m).

DATUM.--Land-surface datum is 111.72 ft (34.05 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in (7.6 cm) 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 (42.6 m) above land-surface datum, July 31, 1941; lowest measured, 74.0 ft (22.56 m) above land-surface datum, Oct. 12, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
OCT 12	74.0

330443089512503. Local number, T4.

LOCATION.--Lat 33°04'43", long 89°51'25", Hydrologic Unit 08060201, SE¼ sec.11, T.14 N., R.4 E., 0.3 mi (0.5 km) 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 (25 cm), depth 700 ft (213 m).

DATUM.--Land-surface datum is 267 ft (81 m) National Geodetic Vertical Datum of 1929. Measuring point: 3/4-in (1.90-cm) hole in west side of well head, 1.00 ft (0.30 m) 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 (1.8 m) above land-surface datum, January 1957; lowest measured, 23.00 ft (7.01 m) below land-surface datum, Apr. 28, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 28	23.00

330420089510901. Local number, T14.

LOCATION.--Lat 33°04'20", long 89°51'09", Hydrologic Unit 08060201, SE¼NE¼ sec.14, T.14 N., R.4 E., 0.1 mi (0.2 km) 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 (20 cm), depth 608 ft (185 m), cased to 588 ft (179 m).

DATUM.--Land-surface datum is about 263 ft (80 m) National Geodetic Vertical Datum of 1929. Measuring point: 2-in (5.1-cm) hole in top of casing, 0.60 ft (0.18 m) 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 (2.06 m) above land-surface datum, Oct. 8, 1959; lowest measured, 8.17 ft (2.49 m) below land-surface datum, Apr. 28, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 28	8.17

GROUND-WATER LEVELS

HUMPHREYS COUNTY

331151090290201. Local number, C110.

LOCATION.--Lat 33°11'51", long 90°29'02", Hydrologic Unit 08030207, NW¼NW¼ sec.35, T.16 N., R.3 W., 1.4 mi (2.2 km) northeast of center of Belzoni on east side of U.S. Highway 49W.

Owner: Wister Henry.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4-2 in (10-5.1 cm), depth 1,627 ft (496 m), screened 1,587-1,627 ft (484-496 m).

DATUM.--Land-surface datum is 115.21 ft (35.12 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) tee, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--November 1939 to December 1941, April 1944 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 114.3 ft (34.8 m) above land-surface datum, Feb. 1, 1941; lowest measured, 59.5 ft (18.14 m) above land-surface datum, June 6, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUN 6	59.5

ITAWAMBA COUNTY

341633088243801. Local number, G24.

LOCATION.--Lat 34°16'33", long 88°24'38", Hydrologic Unit 03160101, NW¼NE¼ sec.25, T.9 S., R.8 E., 0.2 mi (0.3 km) 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 (20 cm), depth 164 ft (50 m).

DATUM.--Land-surface datum is about 320 ft (98 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.25 ft (0.38 m) 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 (7.2 m) below land-surface datum, Feb. 16, 1959; lowest measured, 74.65 ft (22.75 m) below land-surface datum, Apr. 20, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 4	31.81	SEP 9	37.08

341604088244601. Local number, G67.

LOCATION.--Lat 34°16'04", long 88°24'46", Hydrologic Unit 03160101, SW¼SE¼ sec.25, T.9 S., R.8 E., 0.6 mi (1.0 km) southeast of center of Fulton along railroad track.

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 (15 cm) depth 175 ft (53 m).

DATUM.--Land-surface datum is about 284 ft (87 m) National Geodetic Vertical Datum of 1929. Measuring point: Base of recorder house floor 3.80 ft (1.16 m) above land surface datum.

PERIOD OF RECORD.--June 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 8.17 ft (2.49 m) below land-surface datum, June 8, 1978; lowest measured, 12.84 ft (3.91 m) below land-surface datum, Sept. 9, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 8	8.17	SEPT 9	12.84

JACKSON COUNTY

302454088493401. Local number, N48.

LOCATION.--Lat 30°24'55", long 88°49'35", Hydrologic Unit 03170009, SE¼SW¼ sec.19, T.7 S., R.8 W., 0.1 mi (0.2 km) east of depot at Ocean Springs at Robinson Ave. and Cash Alley.

Owner: Louisville and Nashville RR.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth reported 535 ft (163 m), screened 495-535 ft (151-163 m), cased to 495 ft (151 m).

DATUM.--Land-surface datum is about 23 ft (7 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in northwest side of pump, 0.80 ft (0.24 m) 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 (9.1 m) above land-surface datum, 1928; lowest measured, 65.13 ft (19.85 m) below land-surface datum, July 15, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 11	61.84

JACKSON COUNTY--Continued

302454088493402. Local number, N49.

LOCATION.--Lat 30°24'54", long 88°49'34", Hydrologic Unit 03170009, SE¼SW¼ sec.19, T.7 S., R.8 W., 0.1 mi (0.2 km) east of depot at Oceans Springs at Robinson Avenue and Casy Alley.

Owner: Louisville and Nashville Railroad.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 1,290 ft (393 m).

DATUM.--Land-surface datum is about 25 ft (8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10.2-cm) ell, 2 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--April 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24 ft (7.3 m) above land-surface datum, April 20, 1977; lowest measured, 23.71 ft (7.23 m) above land-surface datum, Apr. 11, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 11	23.71

302357088473801. Local number, N73.

LOCATION.--Lat 30°23'57", long 88°47'38", Hydrologic Unit 03170009, SE¼NW¼ sec.28, T.2 S., R.8 W., 2 mi (3.2 km) 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 (10 cm), depth 536 ft (163 m), screened 516-536 ft (157-163 m).

DATUM.--Land-surface datum is about 22 ft (7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) 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 (3.7 m) above land-surface datum, Apr. 8, 1938; lowest measured, 63.07 ft (20.43 m) below land-surface datum, July 11, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 11	54.82

302451088325901. Local number, P45.

LOCATION.--Lat 30°24'51", long 99°32'59", Hydrologic Unit 03170008, NE¼NE¼ sec.10, T.7 S., R.6 W., 0.5 mi (0.8 km) 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 (10 cm), depth 806 ft (246 m), cased to 806 ft (246 m).

DATUM.--Land-surface datum is about 20 ft (6 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in tee, 0.80 ft (0.24 m) 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 (8.5 m) above land-surface datum, Sept. 6, 1919; lowest measured, 51.73 ft (15.77 m) below land-surface datum, July 26, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 12	49.65

302244088325801. Local number, P68.

LOCATION.--Lat 30°22'44", long 88°32'58", Hydrologic Unit 03170006, SE¼NE¼ sec.2, T.8 S., R.6 W., 1 mi (1.6 km) 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 (30 cm), depth 292 ft (89 m), cased to 282 ft (86 m).

DATUM.--Land-surface datum is about 12 ft (3.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in top of plate at well head, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--April 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.05 ft (15.56 m) below land-surface datum, Apr. 18, 1962; lowest measured, 95.90 ft (29.23 m) below land-surface datum, July 12, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 12	80.73

GROUND-WATER LEVELS

JACKSON COUNTY--Continued

302205088334005. Local number, P113.

LOCATION.--Lat 30°22'05", long 88°33'40", Hydrologic Unit 03170006, NW¼NW¼ sec.5, T.8 S., R.6 W., 0.2 mi (0.3 km) northwest of center of Pascagoula at Railroad Ave. and Frederic Street.

Owner: City of Pascagoula.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 10 in (25 cm), depth 388 ft (118 m), cased to 308 ft (94 m).

DATUM.--Land-surface datum is about 13 ft (4.0 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of casing (since Apr. 20, 1976), at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 34.40 ft (10.49 m) below land-surface datum, Apr. 10, 1958; lowest measured, 75.58 ft (23.04 m) below land-surface datum, July 13, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
MAY 17	66.54

302134088330803. Local number, P124.

LOCATION.--Lat 30°21'34", long 88°33'08", Hydrologic Unit 03170006, SW¼SE¼ sec.11, T.8 S., R.6 W., 0.5 mi (0.8 km) southeast of center of Pascagoula at Commu 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 (30 cm), depth 801 ft (244 m), cased to 721 ft (220 m).

DATUM.--Land-surface datum is 10.50 ft (3.20 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in northeast side of plate at well head, 1.00 ft (0.30 m) 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 (1.43 m) below land-surface datum, Mar. 21, 1960; lowest measured, 144.64 ft (44.09 m) below land-surface datum, June 12, 1975.

No measurement made in water year 1978.

302042088331801. Local number, P134.

LOCATION.--Lat 30°20'42", long 88°33'18", Hydrologic Unit 03170006, SE¼ sec.6, T.8 S., R.6 W., 1.5 mi (2.4 km) south of center of Pascagoula at Farnsworth Ave. and Firth St.

Owner: City of Pascagoula.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled public-supply artesian well, diameter 12 in (30 cm), depth 750 ft (229 m).

DATUM.--Land-surface datum is 10.54 ft (3.21 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in north side of pump base, 1.00 ft (0.30 m) 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 (3.09 m) below land-surface datum, May 5, 1960, lowest measured, 121.03 ft (36.89 m) below land-surface datum, June 12, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 12	66.52

302236088315401. Local number, P142.

LOCATION.--Lat 30°22'36", long 88°31'54", Hydrologic Unit 03170006, NE¼SE¼ sec.1, T.8 S., R.6 W., 1.5 mi (2.4 km) east of center of Pascagoula on U.S. Highway 90.

Owner: VFW Post 3373.

AQUIFER.--Sand of Pascagoula Formation of late Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5 cm), depth 650 ft (198 m).

DATUM.--Land-surface datum is about 15 ft (4.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

PERIOD OF RECORD.--1960, 1977, May 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 24 ft (7.32 m) below land-surface datum, 1960; lowest measured, 146.91 ft (44.78 m) below land-surface datum, May 17, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
MAY 17	146.91

JACKSON COUNTY--Continued

302535088303501. Local number, Q25.

LOCATION.--Lat 30°25'35", long 88°30'35", Hydrologic Unit 03170008, NW¼NE¼ sec.20, T.7 S., R.5 W., 2 mi (3.2 km) east of center of Escatawpa on Elder Ferry Road at packing plant.

Owner: Smith Fisheries.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 200 ft (61 m).

DATUM.--Land-surface datum is about 4 ft (1.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--June 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.07 ft (3.07 m) below land-surface datum, Apr. 15, 1960; lowest measured, 49.56 ft (15.11 m) below land-surface datum, Apr. 30, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 12	42.83

302126088293801. Local number, Q112.

LOCATION.--Lat 30°21'32", long 88°29'38", Hydrologic Unit 03170009, SW¼SW¼ sec.9, T.8 S., R.5 W., 5 mi (8 km) 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 (15-10 cm), depth 202 ft (62 m), screened 192-202 ft (59-62 m), cased to 192 ft (59 m).

DATUM.--Land-surface datum is about 3.4 ft (1.0 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--May 1960 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.29 ft (1.92 m) below land-surface datum, May 6, 1960; lowest measured, 16.22 ft (4.94 m) below land-surface datum, July 14, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 17	14.26	AUG 4	14.36

302304088305901. Local number, Q149.

LOCATION.--Lat 30°23'04", long 88°30'59", Hydrologic Unit 03170006, SE¼SE¼ sec.31, T.8 S., R.5 W., .5 mi (0.80 km) 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 (10 cm), depth 333 ft (101 m).

DATUM.--Land-surface datum is about 15 ft (4.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4 in (10 cm) pipe, at land-surface datum.

PERIOD OF RECORD.--June 1963, August 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 63 ft (19 m) below land-surface datum, June 1, 1963; lowest water level measured 111.52 ft (33.99 m) below land-surface datum, May 17, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
MAY 17	111.52

332103088294701. Local number, Q403.

LOCATION.--Lat 33°21'03", long 88°29'47", Hydrologic Unit 03170009, NE¼SE¼ sec.17, T.8 S., R.5 W., 5 mi (8 km) southeast of center of Pascagoula on west side of State Highway 611 at Coastal Chemical Co.

Owner: U.S. Geological Survey.

AQUIFER.--Sand of Graham Ferry Formation of Pliocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 346 ft (105 m), cased to 340 ft (104 m).

DATUM.--Land-surface datum is about 12 ft (3.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.3 ft (1.0 m) 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, 115.66 ft (35.25 m) below land-surface datum, May 17, 1977; lowest measured, 145.1 ft (44.2 m) below land-surface datum, June 19, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	119.40	FEB 23	115.89	APR 4	121.55	MAY 17	115.66	AUG 4	124.24

GROUND-WATER LEVELS

JACKSON COUNTY--Continued

302253088302401. Local number Q407.

LOCATION.--Lat 30°22'53", long 88°30'24", Hydrologic Unit 03170006, SW¼NW¼ sec.5, T.8 S., R.5 W., 2.5 mi (4 km) 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 (30 cm), depth 327 ft (97 m).

DATUM.--Land-surface datum is about 13.5 ft (4.1 m) National Geodetic Vertical Datum of 1929. Measuring point:
 Top of 2-in (5.1-cm) pipe, 2.50 ft (.76 m) 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 (28.04 m) below land-surface datum March 1, 1975; lowest measured, 136.08 ft (41.48 m) below land-surface datum, Apr. 12, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
------	----------------

APR 12	136.08
--------	--------

302141088313101. Local number, Q424.

LOCATION.--Lat 30°21'41", long 88°31'31", Hydrologic Unit 03170009 sec.30, T.8 S., R.6 W., 1.5 mi (2.4 km) 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 (15 cm), depth 182 ft (55 m).

DATUM.--Land-surface datum is about 12 ft (3.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--September 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.67 ft (6.91 m) below land-surface datum, Apr. 12, 1978; lowest measured, 25.0 ft (7.6 m) below land-surface datum, Sept. 2, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
------	----------------	------	----------------

APR 12	22.67	AUG 4	23.93
--------	-------	-------	-------

JEFFERSON COUNTY

314247091034201. Local number, H3.

LOCATION.--Lat 31°42'40", long 91°03'40", Hydrologic Unit 08060204, SW¼NW¼ lot 45, T.9 N., R.1 E., 0.1 mi (0.2 km) west of courthouse in Fayette at waterworks.
 Owner: Town of Fayette.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth reported 272 ft (83 m), screened 232-272 ft (71-83 m), cased to 232 ft (71 m).

DATUM.--Land-surface datum is 280 ft (85 m) National Geodetic Vertical Datum of 1929 (formerly 270 ft). Measuring point: Top of casing, 1.10 ft (0.34 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

PERIOD OF RECORD.--March 1961 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 117.60 ft (35.84 m) below land-surface datum, Sept. 9, 1962; lowest measured, 140.90 ft (42.95 m) below land-surface datum, June 6, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
------	----------------	------	----------------

FEB 13	140.53	JUN 6	140.90
--------	--------	-------	--------

JONES COUNTY

313928089103001. Local number, F20.

LOCATION.--Lat 31°39'28", long 89°10'30", Hydrologic Unit 03170005, NE¼SE¼ sec.14, T.8 N., R.12 W., 5 mi (8 km) southwest of center of Laurel and 0.2 mi (0.3 km) south of Laurel Airport.

Owner: City of Laurel.

AQUIFER.--Sand of Catahoula Sandstone of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 20-12 in (51-30 cm), depth 466 ft (142 m), cased to 406 ft (124 m).

DATUM.--Land-surface datum is about 220 ft (67 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.00 ft (0.61 m) above land-surface datum.

REMARKS.--Water levels affected by nearby pumping.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 118.8 ft (36.2 m) below land-surface datum, Dec. 5, 1977; lowest measured, 156.2 ft (47.6 m) below land-surface datum, July 26, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	122.80	118.8	---	---	---	---	---	130.00	---	---	---
10	---	125.20	119.4	---	---	---	128.40	---	129.00	---	---	---
15	---	119.20	121.5	---	---	---	128.20	---	133.00	---	---	---
20	---	121.20	---	---	---	---	127.60	---	133.50	---	155.20	155.40
25	---	119.50	---	---	---	---	121.00	---	141.90	---	---	---
EOM	124.60	120.20	---	---	---	---	---	130.10	140.20	---	---	---

314053089065001. Local number, G10.

LOCATION.--Lat 31°40'53", long 89°06'50", Hydrologic Unit 03170005, NW¼NE¼ sec.6, T.8 N., R.11 W., 0.5 mi (0.8 km) west of center of Laurel at 6th street and 9th Avenue at waterworks.

Owner: City of Laurel.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 1,316 ft (401 m), cased to 1,236 ft (377 m).

DATUM.--Land-surface datum is 278.04 ft (84.75 m) National Geodetic Vertical Datum of 1929. Measuring points: 1-in (2.54-cm) nipple in steel plate on well head 5.0 ft (1.5 m) above land-surface datum.

PERIOD OF RECORD.--April 1962 to April 1963, June 1970 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 22.47 ft (6.85 m) below land-surface datum, Apr. 17, 1962; lowest measured, 39.10 ft (11.92 m) below land-surface datum, Apr. 23, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 10	38.49

314143089083901. Local number, G55.

LOCATION.--Lat 31°41'43", long 89°08'39", Hydrologic Unit 03170005, NW¼NW¼ sec.6, T.8 N., R.11 W., 1 mi (1.6 km) 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 (61-30 cm), depth 405 ft (123 m), cased to 345 ft (105 m).

DATUM.--Land-surface datum is 279.2 ft (85.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.00 ft (0.61 m) 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 (38 m) below land-surface datum, Mar. 1964; lowest measured, 197.50 ft (60.20 m) below land-surface datum, Oct. 31, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 31	197.50	APR 10	181.87	MAY 31	184.72	JUL 12	183.52	AUG 22	184.40	SEP 20	184.88

GROUND-WATER LEVELS

LAFAYETTE COUNTY

342550089312801. Local number, B4.

LOCATION.--Lat 34°25'50", long 89°31'28", Hydrologic Unit 08030201, SW¼NW¼ sec.33, T.7 S., R.3 W., 5 mi (8 km) north of center of Oxford on west side of State Highway 7.

Owner: U.S. Plywood Company.

AQUIFER.--Sand of the Meridian Sand Member of the Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 248 ft (76 m), cased to 208 ft (63 m).

DATUM.--Land-surface datum is about 430 ft (131 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.80 ft (0.55 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.05 ft (25.01 m) below land-surface datum, Apr. 7, 1976; lowest measured, 88.65 ft (27.02 m) below land-surface datum, Dec. 29, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	83.30	DEC 29	88.65	MAR 13	83.60	JUN 6	83.50	JUL 25	83.60

342136089315001. Local number, F5.

LOCATION.--Lat 34°21'36", long 89°31'50", Hydrologic Unit 08030203, NW¼NE¼ sec.29, T.8 S., R.3 W., 1 mi (1.6 km) southwest of center of Oxford at University.

Owner: University of Mississippi.

AQUIFER.--Sand of the Meridian Sand Member of the Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (41 cm), depth 113 ft (34 m), cased to 98 ft (30 m).

DATUM.--Land-surface datum is about 460 ft (140 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--1962, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 71.14 ft (21.7 m) below land-surface datum, Dec. 9, 1976; lowest measured, 82.00 ft (25 m) below land-surface datum, Mar. 1962.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	75.11	MAR 13	75.15	JUN 6	79.40	JUL 25	80.40

342130089313001. Local number, F21.

LOCATION.--Lat 34°21'30", long 89°31'30", Hydrologic Unit 08030203, SW¼NW¼ sec.28, T.8 S., R.3 W., 1.5 mi (2.4 km) southwest of center of Oxford at Chambers Manufacturing Company south of State Highway 6 on Old Taylor Rd.

Owner: City of Oxford.

AQUIFER.--Sand of the Meridian Sand Member of the Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 16 in (41 cm), depth reported 250 ft (76 m).

DATUM.--Land-surface datum is about 470 ft (143 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--October 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.80 ft (30.11 m) below land-surface datum, Jan. 6, 1976, lowest measured, 108.10 ft (32.95 m) below land-surface datum, Aug. 31, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 29	102.92	MAR 13	101.53

342104089320301. Local number, F112.

LOCATION.--Lat 34°21'04", long 89°32'03", Hydrologic Unit 08030203, SW¼SE¼ sec.29, T.8 S., R.3 W., 1.5 mi (2.4 km) south of State Highway 6 on Old Taylor Rd.

Owner: City of Oxford.

AQUIFER.--Sand of the Wilcox Group of early Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 439 ft (134 m).

DATUM.--Land-surface datum is about 470 ft (143 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in (15-cm) casing, 1.00 ft (0.30 m) 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, 181.40 ft (55.29 m) below land-surface datum, July 25, 1978; lowest measured, 226.15 ft (68.93 m) below land-surface datum, June 30, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 25	198.08	DEC 29	191.00	MAR 13	185.50	JUN 6	181.70	JUL 25	181.40

LAMAR COUNTY

310935089252001. Local number, L63.

LOCATION.--Lat 31°09'35", long 89°25'20", Hydrologic Unit 03180004, SE¼SE¼ sec.5, T.2 N., R.14 W., 1.5 mi (2.4 km) northwest of center of Purvis on State Highway 581 at elevated water tank.

Owner: Progress Water Association.

AQUIFER.--Sand of the Catahoula Sandstone of early Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 960 ft (293 m), cased to 910 ft (277 m).

DATUM.--Land-surface datum is about 370 ft (113 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.30 ft (0.70 m) above land-surface datum.

PERIOD OF RECORD.--1968, September 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 220 ft (67 m) below land-surface datum, 1968; lowest measured, 254.32 ft (77.52 m) below land-surface datum, Aug. 3, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 25	249.20	FEB 20	250.04	MAY 16	251.43	AUG 3	254.32

LAUDERDALE COUNTY

321902088445701. Local number, M3.

LOCATION.--Lat 32°19'02", long 88°44'57", Hydrologic Unit 03170001, NW¼SE¼ sec.34, T.6 N., R.15 E., 4 mi (6.4 km) southwest of center of Meridian on U.S. Highway 11 at fish hatchery.

Owner: U.S. Fish and Wildlife.

AQUIFER.--Sand of lower part of the Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled hatchery-supply artesian well, diameter 10-8 in (25-20 cm), depth 729 ft (222 m), cased to 688 ft (210 m).

DATUM.--Land-surface datum is about 295 ft (90 m) National Geodetic Vertical Datum of 1929. 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, 1.45 ft (0.44 m) above land-surface datum, Apr. 21, 1976; lowest measured, 34.60 ft (10.55 m) below land-surface datum, Dec. 17, 1968.

WATER LEVEL, IN FEET ABOVE AND BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 31	+7.70	AUG 22	-3.99

LEAKE COUNTY

324427089295201. Local number, L1.

LOCATION.--Lat 32°44'20", long 89°29'50", Hydrologic Unit 03180001, SW¼SE¼ sec.5, T.10 N., R.8 E., 2.5 mi (4.0 km) 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 (10-5.1 cm), depth reported 700 ft (213 m), screened 680-700 ft (207-213 m), cased to 680 ft (207 m).

DATUM.--Land-surface datum is about 350 ft (107 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10 cm) casing, 2.50 ft (0.76 m) 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 (6.34 m) below land-surface datum, May 1, 1958; lowest measured, 35.63 ft (10.86 m) below land-surface datum, May 2, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
MAY 2	35.63

GROUND-WATER LEVELS

LEE COUNTY

341547088422901. Local number, H22.

LOCATION.--Lat 34°15'47", long 88°42'29", Hydrologic Unit 03160102, NW¼NW¼ sec.31, T.9 S., R.6 E., 0.5 mi (0.8 km) northwest of center of Tupelo at Leake Street and Park Ave.

Owner: City of Tupelo.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12-8 in (30-20 cm), depth 430 ft (131 m), cased to 370 ft (113 m).

DATUM.--Land-surface datum is about 280 ft (85 m) National Geodetic Vertical Datum of 1929. 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 (37 m) below land-surface datum, 1954; lowest measured, 218.50 ft (66.60 m) below land-surface datum, Aug. 21, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 4	202.42

341939088423601. Local number, H35.

LOCATION.--Lat 34°19'39", long 88°42'36", Hydrologic Unit 03160102, SW¼NE¼ sec.6, T.9 S., R.6 E., 0.5 mi (0.8 km) north of center of Tupelo on U.S. Highway 45 at Natchez Trace.

Owner: Natchez Trace Parkway.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 400 ft (122 m), cased to 20 ft (6.1 m).

DATUM.--Land-surface datum is about 325 ft (99 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--April 1958 to December 1968, October 1975 to September 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65.32 ft (19.91 m) below land-surface datum, June 17, 1958; lowest measured, 133.38 ft (40.65 m) below land-surface datum, Apr. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 4	133.38

341536088421001. Local number, H42.

LOCATION.--Lat 34°15'36", long 88°42'10", Hydrologic Unit 03160102, SE¼NE¼ sec.31, T.9 S., R.6 E., 0.2 mi (0.3 km) 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 (41-25 cm), depth 562 ft (171 m), cased to 510 ft (155 m).

DATUM.--Land-surface datum is about 280 ft (85 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in east side of pump base, 3.00 ft (0.91 m) 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 (49.99 m) below land-surface datum, Aug. 16, 1966; lowest measured, 222.37 ft (67.78 m) below land-surface datum, Sept. 6, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 4	218.07

LEE COUNTY--Continued

341235088431601. Local number, K29.

LOCATION.--Lat 34°12'35", long 88°43'16", Hydrologic Unit 03160102, SE¼SE¼ sec.13, T.10 S., R.5 E., 3.5 mi (5.6 km) south of center of Tupelo on U.S. Highway 45 at Barber Milk Company.

Owner: Barber Milk Company.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth reported 491 ft (150 m), cased to 451 ft (137 m).

DATUM.--Land-surface datum is about 345 ft (105 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.80 ft (0.24 m) 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 (54.0 m) below land-surface datum, Mar. 22, 1967; lowest measured, 273.38 ft (83.33 m) below land-surface datum, Sept. 1, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 13	271.66	FEB 14	263.37	APR 4	262.90	MAY 24	265.75	JUL 26	268.83	SEP 1	273.38

340522088371701. Local number, O14.

LOCATION.--Lat 34°05'25", long 88°37'17", Hydrologic Unit 03160102, SW¼SE¼ sec.25, T.11 S., R.6 E., 0.1 mi (0.2 km) 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 (20 cm), depth 612 ft (187 m), cased to 587 ft (179 m).

DATUM.--Land-surface datum is about 260 ft (79 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in well base, 0.70 ft (0.21 m) 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 (6.83 m) below land-surface datum, July 15, 1940; lowest measured, 52.89 ft (15.96 m) below land-surface datum, Apr. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 4	52.89

340523088371701. Local number, O15.

LOCATION.--Lat 34°05'23", long 88°37'17", Hydrologic Unit 03160102, SW¼SE¼ sec.25, T.11 S., R.6 E., 0.1 mi (0.2 km) 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 (20 cm), depth 282 ft (86 m).

DATUM.--Land-surface datum is about 266 ft (81 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent in west side of pump base, 2.00 ft (0.61 m) 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 (6.1 m) below land-surface datum, September 1956; lowest measured, 76.75 ft (23.39 m) below land-surface datum, Apr. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 4	76.75

LEFLORE COUNTY

333840090175001. Local number, D8.

LOCATION.--Lat 33°38'40", long 90°17'50", Hydrologic Unit 08030207, SE¼NE¼ sec.33, T.21 N., R.1 W., 3 mi (4.8 km) east of center of Schlater at U.S. Highway 49 and State Highway 442.

Owner: Crossroads Gin.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled gin-supply artesian well, diameter 4 in (10 cm), depth 902 ft (275 m), cased to 882 ft (269 m).

DATUM.--Land-surface datum is about 135 ft (41 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) casing cap, at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.1 ft (2.5 m) above land-surface datum, Feb. 10, 1976; lowest measured, 5.0 ft (1.52 m) above land-surface datum, June 7, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUN 7	5.0

GROUND-WATER LEVELS

LEFLORE COUNTY--Continued

333823090205101. Local number, D160.

LOCATION.--Lat 33°38'23", long 90°20'51", Hydrologic Unit 08030207, NW¼SW¼ sec.31, T.21 N., R.1 W., 0.1 mi (0.2 km) east of center of Schlatter on south side of State Highway 442.

Owner: Mrs. D. B. Jameson.

AQUIFER.--Meridian Sand Member of Tallahatta Formation.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 816 ft (249 m), cased to 816 ft (249 m).

DATUM.--Land-surface datum is 132.05 ft (40.25 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1-in (2.54-cm) ell (since Feb. 10, 1976). 2.30 ft (0.70 m) 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 (9.1 m) above land-surface datum, 1919; lowest measured, 6.09 ft (1.86 m) below land-surface datum, June 7, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUN 7	6.09

333151090085601. Local number, L136.

LOCATION.--Lat 33°31'51", long 90°08'56", Hydrologic Unit 08030205, NE¼NW¼ sec.12, T.19 N., R.1 E., 2 mi (3.2 km) east of center of Greenwood on Grenada Blvd. east of State Highway 7.

Owner: A. P. Haynes.

AQUIFER.--Meridian Sand Member of Tallahatta Formation of middle Eocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 6 in (15 cm), depth 800 ft (244 m), screened 760-800 ft (232-244 m).

DATUM.--Land-surface datum is 131.30 ft (40.02 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1½-in (3.18-cm) nipple (since Jan. 15, 1976). 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--October 1938 to October 1967, June 1969, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 38.7 ft (11.8 m) above land-surface datum, July 4, 1942; lowest measured, 0.50 ft (0.15 m) above land-surface datum, June 7, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUN 7	.50

333100090105801. Local number, L152.

LOCATION.--Lat 33°31'00", long 90°10'58", Hydrologic Unit 08030206, NE¼NW¼ sec.15, T.19 N., R.1 E., 0.1 mi (0.2 km) 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 (15 cm), depth 660 ft (201 m), reported screened 620-640 ft (189-195 m).

DATUM.--Land-surface datum is 133.98 ft (40.84 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1/2-in (1.3-cm) bushing in top of well, 2.80 ft (0.85 m) 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 (6.1 m) above land-surface datum, Aug. 5, 1944; lowest measured, 19.3 ft (5.9 m) below land-surface datum, June 27, 1948.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUN 7	9.89

LINCOLN COUNTY

313504090261401. Local number, H10.

LOCATION.--Lat 31°35'04", long 90°26'14", Hydrologic Unit 03180005, SW¼SE¼ sec.7, T.7 N., R.8 E., 0.5 mi (0.8 km) 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 (30 cm), depth 165 ft (50 m), cased to 115 ft (35 m).

DATUM.--Land-surface datum is about 485 ft (148 m) National Geodetic Vertical Datum of 1929. Measuring point: Air vent, 2.00 ft (0.61 m) above land-surface datum.

REMARKS.--Substitute for well H9 which was destroyed in 1976.

PERIOD OF RECORD.--1969, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.90 ft (18.57 m) below land-surface datum, Feb. 16, 1978; lowest measured, 72 ft (22 m) below land-surface datum, January 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 16	60.92	MAY 18	61.45

LOWNDES COUNTY

333845088275404. Local number, A14.

LOCATION.--Lat 33°38'45", long 88°27'54", Hydrologic Unit 03160101, SE¼NW¼ sec.30, T.16 S., R.18 W., 11 mi (18 km) northwest 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 (30 cm), depth 456 ft (139 m), screened 426-456 ft (130-139 m).

DATUM.--Land-surface datum is about 188 ft (57 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of casing, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--July 1973, 1975.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.16 ft (3.10 m) below land-surface datum, Jan. 28, 1975; lowest measured, 15.27 ft (4.65 m) below land-surface datum, Apr. 5, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 5	15.27

333306088255601. Local number, C29.

LOCATION.--Lat 33°33'06", long 88°25'56", Hydrologic Unit 03160101, SW¼SW¼ sec.28, T.17 S., R.18 W., 5 mi (8 km) 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 (10 cm), depth 200 ft (61 m).

DATUM.--Land-surface datum is about 205 ft (62 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of casing, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--March 1959 to April 1965, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.00 ft (5.18 m) below land-surface datum, July 29, 1959; lowest measured, 32.90 ft (10.03 m) below land-surface datum, Apr. 27, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 27	32.90

333703088244801. Local number, C30.

LOCATION.--Lat 33°37'03", long 88°24'48", Hydrologic Unit 03160101, SE¼NW¼ sec.3, T.17 S., R.18 W., 10 mi (16 km) 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 (10 cm), depth 380 ft (116 m).

DATUM.--Land-surface datum is about 210 ft (64 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--March 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.53 ft (1.99 m) below land-surface datum, Mar. 13, 1959; lowest measured, 14.35 ft (4.37 m) below land-surface datum, Apr. 27, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 27	14.35

GROUND-WATER LEVELS

LOWNDES COUNTY--Continued

332838088393401. Local number, E5.

LOCATION.--Lat 33°28'38", long 88°39'34", Hydrologic Unit 03160104, NW¼NE¼ sec.31, T.19 N., R.16 E., 1.2 mi (1.9 km) southwest of center of Mayhew and 0.1 mi (0.2 km) 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 (12.7 cm), depth 365 ft (111 m), cased to 40 ft (12 m).

DATUM.--Land-surface datum is about 226 ft (69 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.15 m) 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 (12.94 m) below land-surface datum, Apr. 29, 1958; lowest measured, 94.93 ft (28.93 m) below land-surface datum, Apr. 12, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 27	93.62

332845088364901. Local number, E7.

LOCATION.--Lat 33°28'45", long 88°36'49", Hydrologic Unit 03160104, SE¼SW¼ sec.27, T.19 N., R.16 E., 1.3 mi (2.1 km) southeast of center of Mayhew on south side of U.S. Highway 82.
Owner: C. A. Pilkinton.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 800 ft (244 m), cased to 740 ft (226 m).

DATUM.--Land-surface datum is 191.99 ft (58.52 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of discharge pipe (since Apr. 6, 1970), 3.00 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--1940, March 1959 to November 1963, April 1966 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.9 ft (8.5 m) above land-surface datum, 1940; lowest measured, 20.63 ft (6.29 m) below land-surface datum, Apr. 5, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO OCTOBER 1977

DATE	WATER LEVEL
APR 5	20.63

332945088225601. Local number, G33.

LOCATION.--Lat 33°29'45", long 88°22'56", Hydrologic Unit 03160105, NE¼SE¼ sec.14, T.18 S., R.18 W., 2 mi (3.2 km) east of center of Columbus at Propst Park on U.S. Highway 82.
Owner: American Legion Post.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 480 ft (146 m).

DATUM.--Land-surface datum is about 170 ft (52 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of discharge pipe (since Apr. 6, 1970), 6.30 ft (1.92 m) above land-surface datum.

PERIOD OF RECORD.--April 1960 to April 1972, April 1974 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.90 ft (3.93 m) above land-surface datum, Apr. 10, 1962; lowest measured, 7.25 ft (2.12 m) below land-surface datum, Oct. 14, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 27	7.20

333052088234101. Local number, G185.

LOCATION.--Lat 33°30'52", long 88°30'52", long 88°23'41", Hydrologic Unit 03160105, SW¼ sec.11, T.18 S., R.18 W., 2.3 mi (3.7 km) 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 (15 cm), depth 878 ft (268 m).

DATUM.--Land-surface datum is about 178 ft (54 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 6-in (15-m) casing at faucet, 2.50 ft (0.76 m) 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 (5.58 m) above land-surface datum, Mar. 28, 1977; lowest water level measured 0.76 ft (0.23 m) above land-surface datum, Sept. 14, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 to SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 9	5.80	SEPT 14	0.76

LOWNDES COUNTY--Continued

332517088235601. Local number, L22.

LOCATION.--Lat 33°25'17", long 88°23'56", Hydrologic Unit 03160106, SE¼SE¼ sec.10, T.19 S., R.18 W., 5 mi (8 km) southeast of center of Columbus near east bank of Tombigbee River.

Owner: Hooker Chemical Company.

AQUIFER.--Sand of Coker Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 1,190 ft (363 m).

DATUM.--Land-surface datum is about 178 ft (54 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 1-in (2.5-cm) bushing (since Apr. 13, 1976), 1.80 ft (0.55 m) 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 (13.7 m) above land-surface datum, Apr. 12, 1961; lowest measured, 21.70 ft (6.61 m) below land-surface datum, Apr. 27, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 27	21.70

MADISON COUNTY

322413090101701. Local number, V13.

LOCATION.--Lat 32°24'13", long 90°10'17", Hydrologic Unit 03180002, NE¼SE¼ sec.35, T.7 N., R.1 E., 0.1 mi (1.6 km) 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 (20 cm), depth 800 ft (244 m).

DATUM.--Land-surface datum is about 380 ft (116 m) National Geodetic Vertical Datum of 1929. Measuring point:

Middle of tee, 3.65 ft (1.11 m) 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 (49.81 m) below land-surface datum, Aug. 18, 1955; lowest measured, 190.66 ft (58.11 m) below land-surface datum, Aug. 21, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 23	186.73	APR 26	186.90	AUG 21	190.66

322627090062401. Local number, W5.

LOCATION.--Lat 32°26'27", long 90°06'24", Hydrologic Unit 03180002, NE¼NE¼ sec.20, T.7 N., R.2 E., 1 mi (1.6 km) 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 (20 cm), depth 500 ft (152 m).

DATUM.--Land-surface datum is about 320 ft (98 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base 0.50 ft (0.15 m) 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 (34.41 m) below land-surface datum, Apr. 12, 1957; lowest measured, 143.04 ft (43.60 m) below land-surface datum, Aug. 21, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 21	139.33	FEB 23	138.46	APR 26	138.91	AUG 21	143.04

MARSHALL COUNTY

344618089272801. Local number, P72.

LOCATION.--Lat 34°46'18", long 89°27'24", Hydrologic Unit 08030204, NW¼NW¼ sec.6, T.4 S., R.2 W., at Holly Springs on West Boundry 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 (10 cm), depth 718 ft (219 m).

DATUM.--Land-surface datum is about 510 ft (155 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) casing, .50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 128.34 (39.12 m) below land-surface datum, Apr. 12, 1977; lowest measured, 129.65 (39.52 m) below land-surface datum, July 13, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
JUL 13	129.65

GROUND-WATER LEVELS

MONROE COUNTY

335917088304401. Local number, C3.

LOCATION.--Lat 33°59'17", long 88°30'44", Hydrologic Unit 03160101, NE¼SE¼ sec.26, T.12 S., R.19 W., 0.3 mi (0.5 km) northwest of center of Amory at 108th Street and 5th Ave. 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 (10 cm), depth reported 360 ft (110 m).

DATUM.--Land-surface datum is about 240 ft (73 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of ell on well head, 2.00 ft (0.61 m) 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, 20.40 ft (6.22 m) below land-surface datum, Apr. 26, 1973; lowest measured, 31.97 ft (9.74 m) below land-surface datum, Apr. 8, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 4	24.51

334836088390201. Local number, O3.

LOCATION.--Lat 33°48'36", long 88°39'02", Hydrologic Unit 03160101, NE¼NE¼ sec.3, T.15 S., R.6 E., 2 mi (3.2 km) 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 (30 cm), depth 451 ft (137 m).

DATUM.--Land-surface datum is about 315 ft (96 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of plate on well head, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--1942, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 114 ft (35 m) below land-surface datum, 1942; lowest measured, 191.52 ft (58.38 m) below land-surface datum, Apr. 12, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 5	180.84

334359088391601. Local number, O16.

LOCATION.--Lat 33°43'59", long 88°39'16", Hydrologic Unit 031601104, SW¼NE¼ sec.34, T.15 S., R.6 E., at Muldon on State Highway 25.

Owner: M and O Railroad

AQUIFER.--Sand of Eutaw Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 m) depth 620 ft (189 m).

DATUM.--Land-surface datum is about 300 ft (91 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 6 in (15 cm) casing, 1.7 ft (0.52 m) above land-surface datum.

PERIOD OF RECORD.--1901, October 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 60.00 ft (18.29 m) below land-surface datum, 1901; lowest measured, 152.60 ft (46.51 m) below land-surface datum, Apr. 5, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 5	152.60

334836088333301. Local number, P22.

LOCATION.--Lat 33°48'36", long 88°33'33", Hydrologic Unit 03160101, NW¼NW¼ sec.3, T.15 S., R.7 E., 1 mi (1.6 km) southwest of center of Aberdeen on State Highway 25.

Owner: Conoco Chemicals (Formerly Monroe Mfg. Co.).

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 216 ft (66 m).

DATUM.--Land-surface datum is about 218 ft (66 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.60 ft (0.79 m) 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 (10.93 m) below land-surface datum, Oct. 16, 1962; lowest measured, 112.30 ft (34.23 m) below land-surface datum, Apr. 8, 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 5	89.99

MONROE COUNTY--Continued

334147088261501. Local number, Q18.

LOCATION.--Lat 33°41'47", long 88°26'15", Hydrologic Unit 03160103, SE¼SE¼ sec.5, T.16 S., R.18 W., 3 mi (5 km) 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 (25 cm), depth 390 ft (119 m).

DATUM.--Land-surface datum is about 216 ft (66 m) National Geodetic Vertical Datum of 1929. Measuring point:

1/2-in (1.27-cm) plug in top of casing, 1.20 ft (0.37 m) 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 (7.9 m) below land-surface datum, May 1964; lowest measured, 54.16 ft (16.51 m) below land-surface datum, Apr. 5, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 5	54.16

334347088270901. Local number, Q25.

LOCATION.--Lat 33°43'31", long 88°27'09", Hydrologic Unit 03160101, NW¼SW¼ sec.29, T.15 S., R.18 W., 1 mi (1.6 km) southwest of center of Hamilton.

Owner: Kerr-McGee Chemical Corp. (formerly American Potash Chemical Co.).

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 242 ft (74 m), cased to 242 ft (74 m).

DATUM.--Land-surface datum is about 210 ft (64 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of casing, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--August 1957, October 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.00 ft (3.96 m) above land-surface datum, Aug. 28, 1957; lowest measured, 87.40 ft (26.64 m) below land-surface datum, Oct. 14, 1976.

Well destroyed. Measurements discontinued.

334531088271701. Local number, Q76.

LOCATION.--Lat 33°45'31", long 88°27'17", Hydrologic Unit 03160101, NW¼SW¼ sec.17, T.15 S., R.18 W., 1.5 mi (2.4 km) northwest of center of Hamilton on U.S. Highway 45E.

Owner: L. M. Tucker.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 220 ft (67 m).

DATUM.--Land-surface datum is about 220 ft (67 m) National Geodetic Vertical Datum of 1929. Measuring point:

Hole in side of ell at top of casing (since Apr. 12, 1976), 2.50 ft (0.76 m) above land-surface datum.

PERIOD OF RECORD.--March 1959 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.41 ft (0.12 m) above land-surface datum, Mar. 13, 1959; lowest measured, 50.10 ft (15.27 m) below land-surface datum, Apr. 6, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 5	16.01

MONTGOMERY COUNTY

332916089432002. Local number, F2.

LOCATION.--Lat 33°29'16", long 89°43'20", Hydrologic Unit 08060201, NW¼NE¼ sec.25, T.19 N., R.5 E., 0.5 mi (0.8 km) 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 (25 cm), depth 308 ft (94 m), screened 248-308 ft (76-94 m).

DATUM.--Land-surface datum is 373.14 ft (113.73 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of recorder house floor, 1.70 ft (0.52 m) 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 (28.86 m) below land-surface datum, Apr. 19, 1959; lowest measured, 120.67 ft (36.78 m) below land-surface datum, Aug. 10, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 20	115.36

GROUND-WATER LEVELS

NESHOMA COUNTY

322728089161201. Local number E1.

LOCATION.--Lat 32°27'28", long 89°16'12", Hydrologic Unit 03180001, SW¼SW¼ sec.10, T.7 N., R.10 E., at Conehatta Indian School east of Conehatta Post Office.

Owner: Conehatta Indian School.

AQUIFER.--Sparta Sand of Claiborne Group of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 351 ft (107 m).

DATUM.--Land-surface datum is about 515 ft (157 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete pump base, 1.0 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--January 1959, March 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 163 ft (50 m) below land-surface datum, Jan. 15, 1959; lowest water level measured 167.90 ft (51.18 m) below land-surface datum, Mar. 30, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
MAR 30	167.90

NOXUBEE COUNTY

330645088332801 (formerly 330650088341001). Local number, H115.

LOCATION.--Lat 33°06'50", long 88°34'10", Hydrologic Unit 03160108, NW¼NW¼ sec.33, T.15 N., R.17 E., 1 mi (1.6 km) northwest of center of Macon on Pearl Street at railroad.

Owner: Borden Food Products Company.

AQUIFER.--Sand and gravel of Coker Formation of the Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused well, diameter 10 in (25 cm), depth 1,807 ft (551 m), cased to 1,767 ft (539 m).

DATUM.--Land-surface datum is about 185 ft (56 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of 1/4-in (0.64-cm) gate valve on discharge pipe, 3.00 ft (0.91 m) 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 (10.1 m) above land-surface datum, Feb. 3, 1955; lowest measured, 3.8 ft (1.16 m) above land-surface datum, May 5, 1977.

No measurement made in water year 1978. Water level below measuring point.

OKTIBBEHA COUNTY

332645088472001. Local number, G35.

LOCATION.--Lat 33°26'45", long 88°47'20", Hydrologic Unit 03160104, SW¼NW¼ sec.13, T.18 N., R.14 E., 2.5 mi (4.0 km) south of center of State College near Catalpa Creek.

Owner: Mississippi State University.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled industrial artesian well, diameter 10 in (25 cm), depth 1,378 ft (420 m), cased to 1,293 ft (394 m).

DATUM.--Land-surface datum is about 310 ft (94 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of air vent in pump case, 1.50 ft (0.46 m) above land-surface datum.

PERIOD OF RECORD.--October 1970, March 1972 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 131.00 ft (39.93 m) below land-surface datum, Oct. 16, 1970, Mar. 1972; lowest measured, 152.90 ft (46.60 m) below land-surface datum, Aug. 22, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
SEP 15	148.05

332710088471701. Local number, G102.

LOCATION.--Lat 33°27'10", long 88°47'17", Hydrologic Unit 03160104, NE¼SW¼ sec.1, T.18 N., R.14 E., 0.2 mi (0.3 km) east of center of State College at Walker Engineering Bldg.

Owner: Mississippi State University.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 1,008 ft (307 m), cased to 968 ft (295 m).

DATUM.--Land-surface datum is 380.95 ft (116.11 m) National Geodetic Vertical Datum of 1929. Measuring point:

Top of casing, 2.33 ft (0.71 m) 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 (53.69 m) below land-surface datum, Apr. 3, 1941; lowest measured, 216.96 ft (66.13 m) below land-surface datum, Apr. 27, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 27	216.96

PIKE COUNTY

310833090272801. Local number, G2.

LOCATION.--Lat 31°08'33", long 90°27'28", Hydrologic Unit 08070205, NW¼NW¼ sec.13, T.2 N., R.7 E., 0.1 mi (0.2 km) west of center of Magnolia and west of City Hall.

Owner: Town of Magnolia.

AQUIFER.--Sand of Miocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 12 in (30 cm), depth 432 ft (132 m).

DATUM.--Land-surface datum is about 300 ft (91 m) National Geodetic Vertical Datum of 1929. Measuring point: Hole in east side of pump base, 0.50 ft (0.15 m) 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 (1.2 m) below land-surface datum, 1967; lowest measured, 18.45 ft (5.62 m) below land-surface datum, Feb. 17, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
MAY 18	11.15

PRENTISS COUNTY

343921088334101. Local number, F2.

LOCATION.--Lat 34°39'21", long 88°33'41", Hydrologic Unit 08010207, SE¼SE¼ sec.9, T.5 S., R.7 E., 0.1 mi (0.2 km) 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 (41 cm), depth 491 ft (150 m), cased to 406 ft (124 m).

DATUM.--Land-surface datum is about 525 ft (160 m) National Geodetic Vertical Datum of 1929. Measuring point:

Air vent on south side of pump base, 3.00 ft (0.91 m) 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 (56 m) below land-surface datum, July 1950; lowest measured, 199.06 ft (60.67 m) below land-surface datum, Apr. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 4	199.06

343142088384401. Local number, J84.

LOCATION.--Lat 34°31'42", long 88°38'44", Hydrologic Unit 03160101, SE¼NE¼ sec.26, T.6 S., R.6 E., 1.7 mi (2.7 km) north of center of Baldwin on west side of U.S. Highway 45.

Owner: Baldwin Implement Co.

AQUIFER.--Sand of Eutaw Formation of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 4 in (10 cm), depth 440 ft (134 m), cased to 158 ft (48 m).

DATUM.--Land-surface datum is about 345 ft (105 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of air vent in pump base, 1.50 ft (0.46 m) 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 (8.99 m) below land-surface datum, July 25, 1973; lowest measured, 40.00 ft (12.19 m) below land-surface datum, Apr. 4, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 4	40.00

GROUND-WATER LEVELS

RANKIN COUNTY

321846089475101. Local number, J110.

LOCATION.--Lat 32°18'46", long 89°47'51", Hydrologic Unit 03180002, SW¼SW¼ sec.33, T.6 N., R.5 E., 0.2 mi (0.3 km) 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 (20 cm), depth 563 ft (172 m), screened 503-563 ft (153-172 m).

DATUM.--Land-surface datum is about 365 ft (111 m) National Geodetic Vertical Datum of 1929. 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 (30.97 m) below land-surface datum, Apr. 9, 1956; lowest measured, 131.96 ft (40.22 m) below land-surface datum, Jan. 22, 1970.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
MAY 2	115.05

SCOTT COUNTY

322148089283201. Local number, L1.

LOCATION.--Lat 32°21'48", long 89°28'32", Hydrologic Unit 03180001, SE¼NE¼ sec.16, T.6 N., R.8 E., 0.1 mi (0.2 km) 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 (25 cm), depth 360 ft (110 m), cased to 280 ft (85 m).

DATUM.--Land-surface datum is about 480 ft (146 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.00 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--August 1957 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 99.00 ft (30.18 m) below land-surface datum, May 2, 1978; lowest measured, 145.4 ft (44.3 m) below land-surface datum, Apr. 28, 1967.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
MAY 2	99.00

SHARKEY COUNTY

325839090501601. Local number, C43.

LOCATION.--Lat 32°58'39", long 90°50'16", Hydrologic Unit 08030209, sec.17, T.13 N., R.6 W., 0.6 mi (1.0 km) 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 (10 cm), depth 1,830 ft (558 m), cased to 1,790 ft (546 m).

DATUM.--Land-surface datum is about 106 ft (32 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of tee at well head, 2.00 ft (0.61 m) or top of faucet at road, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--October 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.0 ft (30.5 m) above land-surface datum, July 23, 1973; lowest measured, 82.0 ft (24.99 m) above land-surface datum, June 6, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUN 6	82.0

324749090553101. Local number, G44.

LOCATION.--Lat 32°47'49", long 90°55'31", Hydrologic Unit 08030209, NE¼NW¼ sec.16, T.11 N., R.7 W., 0.3 mi (0.5 km) south of center of Cary on east side of U.S. Highway 61.

Owner: Cary High School.

AQUIFER.--Sparta Sand of middle Eocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10 cm), depth 1,149 ft (350 m).

DATUM.--Land-surface datum is about 102 ft (31 m) National Geodetic Vertical Datum of 1929. 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 (7.3 m) above land-surface datum, Feb. 10, 1939; lowest measured, 18.22 ft (5.55 m) below land-surface datum, June 6, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUN 6	18.22

SIMPSON COUNTY

315256089392401. Local number, L1.
 LOCATION.--Lat 31°52'56", long 89°39'24", Hydrologic Unit 03170004, SE¼NW¼ sec.35, T.1 N., R.6 E., 4 mi (6.4 km) east of center of Magee off Highway 28.
 Owner: Okatoma Water Association.
 AQUIFER.--Sparta Sand of middle Eocene age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 1,620 ft (494 m).
 DATUM.--Land-surface datum is about 530 ft (162 m) above National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 2.5 ft (0.76 m) 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 (92 m) below land-surface datum, Jan. 31, 1969; lowest water level measured 324.98 ft (99 m) below land-surface datum, July 12, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUL 12	324.98

SUNFLOWER COUNTY

334017090301801. Local number, H18.
 LOCATION.--Lat 33°40'17", long 90°30'18", Hydrologic Unit 08030207, SE¼NE¼ sec.21, T.21 N., R.3 W., 1.5 mi (2.4 km) 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 (10 cm), depth 1,370 ft (418 m).
 DATUM.--Land-surface datum is about 125 ft (38 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of faucet at well, 1.00 ft (0.30 m) above land-surface datum.
 PERIOD OF RECORD.--April 1971 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 15.0 ft (4.6 m) above land-surface datum, Apr. 14, 1971; lowest measured, 5.5 ft (1.68 m) above land-surface datum, June 7, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUN 7	5.5

332505090293001. Local number, R21.
 LOCATION.--Lat 33°25'05", long 90°29'30", Hydrologic Unit 08030207, NW¼SW¼ sec.22, T.18 N., R.3 W., 2.5 mi (4.0 km) 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 (7.6 cm), depth 1,547 ft (472 m).
 DATUM.--Land-surface datum is about 110 ft (34 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of faucet at well, 2.00 ft (0.61 m) above land-surface datum.
 PERIOD OF RECORD.--November 1969 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.5 ft (12.6 m) above land-surface datum, Feb. 10, 1970; lowest measured, 22.0 ft (6.7 m) above land-surface datum, June 5, 1974.

No measurement made in water year 1978.

TATE COUNTY

343723089592801. Local number, F22.
 LOCATION.--Lat 34°37'23", long 89°59'28", Hydrologic Unit 08030204, SE¼SE¼ sec.25, T.5 S., R.8 W., 1.2 mi (1.9 km) southeast of center of Senatobia at stand tank on Browns Ferry Rd.
 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 (12.7 cm), depth 1,085 ft (331 m), cased to 1,065 ft (325 m).
 DATUM.--Land-surface datum is about 340 ft (104 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.30 ft (0.40 m) above land-surface datum.
 PERIOD OF RECORD.--October 1972 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 135.18 ft (41.20 m) below land-surface datum, May 23, 1973; lowest measured, 143.22 ft (43.65 m) below land-surface datum, June 9, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	142.50	JUN 9	143.22

TATE COUNTY--Continued

343811089580401. Local number, G37a.

LOCATION.--Lat 34°38'11", long 89°58'04", Hydrologic Unit 08030204, NW¼SW¼ sec.20, T.5 S., R.7 W., 1 mi (1.6 km) 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 (15 cm), depth 1,180 ft (360 m), cased to 1,160 ft (354 m).

DATUM.--Land-surface datum is about 250 ft (76 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.20 ft (0.67 m) 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 (16.11 m) below land-surface datum, June 6, 1973; lowest measured, 94.59 ft (28.83 m) below land-surface datum, June 9, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	77.40	JUN 9	94.59

TIPPAH COUNTY

345658088534101. Local number, B8.

LOCATION.--Lat 34°56'58", long 88°53'41", Hydrologic Unit 08010207, SE¼ sec.32, T.1 S., R.4 E., 0.2 mi (0.3 km) 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 Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 147 ft (45 m), cased to 137 ft (42 m).

DATUM.--Land-surface datum is about 470 ft (143 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete base, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--June 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.70 ft (18.81 m) below land-surface datum, Feb. 24, 1975; lowest measured, 66.70 ft (20.33 m) below land-surface datum, July 18, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	63.40	APR 12	62.60

TISHOMINGO COUNTY

345802088144901. Local number, B18.

LOCATION.--Lat 34°58'02", long 88°14'49", Hydrologic Unit 06030005, SW¼NE¼ sec.28, T.1 S., R.10 E., 2.8 mi (4.5 km) 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 (15 cm), depth 378 ft (115 m), cased to 147 ft (45 m).

DATUM.--Land-surface datum is about 560 ft (171 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--October 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 99.00 ft (30 m) below land-surface datum, Oct. 18, 1973; lowest measured, 100.60 ft (30.66 m) below land-surface datum, Oct. 15, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 12	99.20

GROUND-WATER LEVELS

375

TISHOMINGO COUNTY--Continued

345603088170601. Local number, B19.

LOCATION.--Lat 34°56'03", long 88°17'06", Hydrologic Unit 06030005, NE¼SW¼ sec.6, T.2 S., R.10 E., 2 mi (3.2 km) northwest of center of Cross Roads.

Owner: Yellow Creek Port.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 266 ft (81 m), cased to 90 ft (27 m).

DATUM.--Land-surface datum is about 467 ft (142 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--September 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.60 ft (3.84 m) below land-surface datum, Apr. 12, 1978; lowest measured, 15.00 ft (4.57 m) below land-surface datum, Sept. 29, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 12	12.60

345703088145601. Local number, B21.

LOCATION.--Lat 34°57'03", long 88°14'56", Hydrologic Unit 06030005, SW¼NE¼ sec.33, T.1 S., R.10 E., 1.5 mi (2.4 km) north of center of Cross Roads on State Highway 25.

Owner: Yellow Creek Port.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 349 ft (106 m), cased to 76 ft (23 m).

DATUM.--Land-surface datum is about 455 ft (139 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) above land-surface datum.

PERIOD OF RECORD.--October 1973, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.02 ft (0.01 m) above land-surface datum, Oct. 21, 1975; lowest measured, 0.91 ft (0.28 m) below land-surface datum, Oct. 15, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 12	.10

344834088111601. Local number, F1.

LOCATION.--Lat 34°48'34", long 88°11'16", Hydrologic Unit 06030005, NW¼NW¼ sec.19, T.3 S., R.11 E., 0.1 mi (0.2 km) east of center of Iuka.

Owner: H. M. Biggs.

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20 cm), depth 113 ft (34 m), cased to 105 ft (32 m).

DATUM.--Land-surface datum is about 545 ft (166 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.00 ft (0.61 m) above land-surface datum.

PERIOD OF RECORD.--1956, April 1958 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 31.2 ft (9.5 m) below land-surface datum, Apr. 1, 1974; lowest measured, 65.1 ft (19.8 m) below land-surface datum, Jan. 18, 1967.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
APR 12	35.20

343936088161901. Local number, J10.

LOCATION.--Lat 34°39'36", long 88°16'19", Hydrologic Unit 03160101, NW¼SE¼ sec.8, T.5 S., R.10 E., 0.2 mi (0.3 km) south of center of Paden at Murphy Street and Lennon Ave.

Owner: Irwin Schwabe Company (formerly Town of Paden).

AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of Late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25 cm), depth 181 ft (55 m).

DATUM.--Land-surface datum is about 420 ft (128 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3/4-in (1.90-cm) nipple at well head (since Mar. 17, 1976), 2.80 ft (0.85 m), or top of cap 1.7 ft (0.51 m) above land-surface datum.

REMARKS.--Water level affected by nearby pumping.

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 (5.85 m) above land-surface datum, Mar. 13, 1974; lowest measured, 3.51 ft (1.07 m) above land-surface datum, Feb. 16, 1977.

No measurement made in water year 1978. Water level below measurement point.

GROUND-WATER LEVELS

TUNICA COUNTY

343117090253001. Local number, J101.

LOCATION.--Lat 34°31'17", long 90°25'30", Hydrologic Unit 08030204, NW¼NW¼ sec.36, T.6 S., R.12 W., 1.2 mi (1.9 km) east of center of Dundee on east side of U.S. Highway 61.

Owner: L. D. Powell.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled domestic artesian well, diameter 3-2 in (7.6-5.1 cm), depth 1,796 ft (547 m), screened 1,766-1,796 ft (538-547 m).

DATUM.--Land-surface datum is 176 ft (54 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 3-in (7.6-cm) coupling, at land-surface datum.

PERIOD OF RECORD.--July 1954 to April 1967, June 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.3 ft (9.2 m) above land-surface datum, July 7, 1954; lowest measured, 4.0 ft (1.22 m) above land-surface datum, Oct. 20, 1976.

No measurement made in water year 1978.

WARREN COUNTY

322310090530202. Local number, J4.

LOCATION.--Lat 32°23'10", long 90°53'02", Hydrologic Unit 08030208, SW¼SW¼ sec.2, T.16 N., R.3 E., 2.5 mi (4.0 km) northwest of center of Vicksburg on north side of Industrial Rd.

Owner: City of Vicksburg.

AQUIFER.--Mississippi River valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 10 in (25 cm), depth 170 ft (52 m), cased to 150 ft (46 m).

DATUM.--Land-surface datum is about 90 ft (27 m) National Geodetic Vertical Datum of 1929. Measuring point: Bottom of recorder house floor, 17.26 ft (5.26 m) above land-surface datum.

PERIOD OF RECORD.--October 1965 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.60 ft (0.18 m) below land-surface datum, Apr. 17, 1975; lowest measured, 46.70 ft (14.23 m) below land-surface datum, Aug. 21, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 11	39.36	MAY 11	23.38	JUL 19	34.80

WASHINGTON COUNTY

332432091031501. Local number, D16.

LOCATION.--Lat 33°24'32", long 91°03'15", Hydrologic Unit 08030209, Irregular sec.4, T.18 N., R.8 W., 0.2 mi (0.3 km) 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 (15 cm), depth 517 ft (158 m).

DATUM.--Land-surface datum is about 125 ft (38 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 3.00 ft (0.91 m) above land-surface datum.

PERIOD OF RECORD.--November 1960, October 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 100.93 ft (30.76 m) below land-surface datum, Nov. 17, 1960; lowest measured, 107.87 ft (32.87 m) below land-surface datum, June 7, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUN 7	107.87

332228091045402. Local number, D33b.

LOCATION.--Lat 33°22'28", long 91°04'54", Hydrologic Unit 08030209, Irregular sec.10, T.18 N., R.9 W., 4 mi (6.4 km) 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 (10 cm), depth 1,994 ft (608 m), cased to 1,984 ft (605 m).

DATUM.--Land-surface datum is 125.07 ft (38.12 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of valve on 4-in (10-cm) cap on well, 2.62 ft (0.80 m) 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, 51.82 ft (15.79 m) above land-surface datum, Apr. 14, 1970; lowest measured, 34.62 ft (10.55 m) above land-surface datum, June 5, 1974.

No measurement made in water year 1978. Well head damaged.

WASHINGTON COUNTY--Continued

332007090525401. Local number, H14.

LOCATION.--Lat 33°20'07", long 90°52'54", Hydrologic Unit 08030209, NW¼SW¼ sec.12, T.17 N., R.7 W., 5 mi (8 km) 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 (25 cm), depth 102 ft (31 m), cased to 72 ft (22 m).

DATUM.--Land-surface datum is about 115 ft (35 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.00 ft (0.30 m) 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 (3.61 m) below land-surface datum, Oct. 14, 1958; lowest measured, 23.85 ft (7.27 m) below land-surface datum, June 7, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUN 7	23.85

331808090532901. Local number, H101.

LOCATION.--Lat 33°18'08", long 90°53'29", Hydrologic Unit 08030209, SW¼SE¼ sec.23, T.17 N., R.7 W., 0.1 mi (0.2 km) 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 (10 cm), depth 1,903 ft (580 m), cased to 1,895 ft (578 m).

DATUM.--Land-surface datum is about 120 ft (37 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) tee, 0.80 ft (0.24 m) above land-surface datum.

PERIOD OF RECORD.--February 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.5 ft (16.3 m) above land-surface datum, Dec. 20, 1954; lowest measured, 27.3 ft (8.32 m) above land-surface datum, June 7, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUN 7	27.3

331120090413001. Local number, M44.

LOCATION.--Lat 33°11'20", long 90°41'30", Hydrologic Unit 08030207, NW¼SW¼ sec.35, T.16 N., R.5 W., 11 mi (18 km) 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 (41 cm), depth reported 110 ft (34 m).

DATUM.--Land-surface datum is about 105 ft (32 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.20 ft (0.37 m) above land-surface datum.

PERIOD OF RECORD.--May 1969 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.28 ft (4.96 m) below land-surface datum, Apr. 25, 1975; lowest measured, 25.46 ft (7.76 m) below land-surface datum, Sept. 5, 1969.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 14	22.90	FEB 3	22.26	MAR 16	22.12

330227090592001. Local number, S4.

LOCATION.--Lat 33°02'27", long 90°59'20", Hydrologic Unit 08030209, SW¼SE¼ sec.28, T.14 N., R.8 W., 1.2 mi (1.9 km) northeast of center of Hampton on south side of State Highway 436.

Owner: Agricultural Chemical Corp.

AQUIFER.--Mississippi River valley alluvium of Pleistocene and Holocene age.

WELL CHARACTERISTICS.--Drilled unused water-table well, diameter 12 in (30 cm), depth 105 ft (32 m), screened 80-105 ft (24-32 m).

DATUM.--Land-surface datum is 111.24 ft (33.91 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.95 ft (0.59 m) above land-surface datum.

PERIOD OF RECORD.--January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.8 ft (1.8 m) below land-surface datum, May 13, 1958; lowest measured, 20.00 ft (6.10 m) below land-surface datum, Aug. 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.80	---	11.60	12.60	11.10	11.50	12.20	12.30	13.50	17.30	19.40	14.70
10	13.90	---	11.90	12.40	11.40	11.50	12.20	10.80	15.00	15.40	19.80	14.70
15	13.50	13.20	12.10	12.10	11.20	11.50	12.20	10.10	13.70	17.80	19.10	14.50
20	13.50	13.40	11.80	11.60	11.30	11.70	16.00	10.30	15.70	17.70	19.30	14.50
25	13.70	12.50	12.00	11.00	11.60	11.90	12.60	10.50	17.50	19.10	20.00	---
EOM	---	11.90	12.40	11.10	11.60	12.10	12.70	11.20	17.30	18.20	15.00	---

GROUND-WATER LEVELS

WAYNE COUNTY

314115088392301. Local number, N151.

LOCATION.--Lat 31°41'15", long 88°39'23", Hydrologic Unit 03170002, NE&SE& sec.2, T.8 N., R.7 W., 1 mi (1.6 km) northwest of center of Waynesboro at Turner Street and Gulf Mobile and Ohio Railroad.

Owner: Town of Waynesboro.

AQUIFER.--Sand of Vicksburg Group of Oligocene age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 18-8 in (46-20 cm), depth 82 ft (25 m), cased to 32 ft (10 m).

DATUM.--Land-surface datum is about 180 ft (55 m) National Geodetic Vertical Datum of 1929. Measuring point: 1-in (2.5-cm) hole in breather pipe inside recorder shelter, 2.30 ft (0.70 m) above land-surface datum.

PERIOD OF RECORD.--April 1973, February 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.72 ft (8.45 m) below land-surface datum, Mar. 23, 1976; lowest measured, 33.10 ft (10.09 m) below land-surface datum, June 4, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
APR 10	30.60	JUL 13	32.66

WEBSTER COUNTY

332425089212001. Local number, M25.

LOCATION.--Lat 33°24'25", long 89°21'20", Hydrologic Unit 08060201, SW&NW& sec.28, T.19 N., R.9 E., north side of U.S. Highway 82, .2 mi (0.32 km) east of Tomnolem.

Owner: Town of Tomnolem.

AQUIFER.--Sand of lower part of Wilcox Group of late Paleocene age.

WELL CHARACTERISTICS.--Drilled public supply well, diameter 10 in (25 cm), depth 359 ft (109 m).

DATUM.--Land-surface datum is about 350 ft (107 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of concrete pump base, 1.80 ft (0.55 m) 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 (1.2 m) below land-surface datum, Dec. 30, 1970; lowest water level measured, 28.18 ft (8.59 m) below land-surface datum, July 26, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUL 26	28.18

WILKINSON COUNTY

310415091042201. Local number, T101.

LOCATION.--Lat 31°04'13", long 91°04'21", Hydrologic Unit 08070202, SE&NW& sec.2, T.1 N., R.1 E., 1 mi (1.6 km) 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 (41 cm), depth 222 ft (68 m), screened 162-222 ft (49-68 m), cased to 162 ft (49 m).

DATUM.--Land-surface datum is 353.5 ft (107.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.20 ft (0.37 m) 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 (13.1 m) below land-surface datum, May 5, 1942; lowest measured, 52.22 ft (15.92 m) below land-surface datum, Dec. 10, 1954.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	WATER LEVEL
JUN 7	49.10

310415091042202. Local number, T102.

LOCATION.--Lat 31°04'13", long 91°04'21", Hydrologic Unit 08070202, SE&NW& sec.2, T.1 N., R.1 E., 1 mi (1.6 km) 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 (30 cm), depth 415 ft (126 m), screened 355-415 ft (108-126 m), cased to 355 ft (108 m).

DATUM.--Land-surface datum is 355.1 ft (108.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.48 ft (0.45 m) 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 (39.1 m) below land-surface datum, May 5, 1942; lowest measured, 163.91 ft (49.96 m) below land-surface datum, Apr. 5, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUN 7	162.17

WILKINSON COUNTY--Continued

310415091042203 (formerly 310413091042103). Local number, T103.

LOCATION.--Lat 31°04'13", long 91°04'21", Hydrologic Unit 08070202, SE¼NW¼ sec.2, T.1 N., R.1 E., 1 mi (1.6 km) 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 (30 cm), depth 1,685 ft (514 m), screened 1,625-1,685 ft (495-514 m), cased to 1,625 ft (495 m).

DATUM.--Land-surface datum is 356.4 ft (108.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of hole in cover plate, 1.40 ft (0.43 m) 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 (72.6 m) below land-surface datum, May 13, 1942; lowest measured, 274.03 ft (83.52 m) below land-surface datum, June 7, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
JUN 7	274.03

YAZOO COUNTY

325905090192202. Local number, B102.

LOCATION.--Lat 32°59'05", long 90°19'22", Hydrologic Unit 08030206, SE¼SW¼ sec.8, T.13 N., R.1 W., 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 (7.6 cm), depth 800 ft (244 m), cased to 770 ft (235 m).

DATUM.--Land-surface datum is 112.3 ft (34.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Bottom edge of hole in north side of casing, 5.30 ft (9.62 m) above land-surface datum.

PERIOD OF RECORD.--1919, February 1939, April 1943 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.7 ft (12.1 m) above land-surface datum, 1919; lowest measured, 12.44 ft (3.79 m) below land-surface datum, Oct. 15, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
MAY 11	9.98

325905090192201. Local number, B103.

LOCATION.--Lat 32°59'05", long 90°19'22", Hydrologic Unit 08030206, SE¼SW¼ sec.8, T.13 N., R.1 W., 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 4-2½ in (10-6.4 cm), depth 1,735 ft (529 m), screened 1,659-1,669, 1,689-1,699, 1,705-1,715 ft (506-509, 515-518, 520-523 m).

DATUM.--Land-surface datum is about 112 ft (34 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) cap, 0.50 ft (0.15 m) above land-surface datum.

PERIOD OF RECORD.--January 1954 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 143.2 ft (43.6 m) above land-surface datum, January 1954; lowest measured, 96.8 ft (29.50 m) above land-surface datum, May 11, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
MAY 11	96.8

325100090250701. Local number, G6.

LOCATION.--Lat 32°51'00", long 90°25'07", Hydrologic Unit 08030206, SW¼NE¼ sec.32, T.12 N., R.2 W., 0.3 mi (0.5 km) 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 (41-30 cm), depth 212 ft (65 m), cased to 152 ft (46 m).

DATUM.--Land-surface datum is about 100 ft (30 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing or top of recorder house floor, 5.60 ft (1.71 m) above land-surface datum.

PERIOD OF RECORD.--September 1940, November 1975 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 17.40 ft (5.30 m) below land-surface datum, Nov. 10, 1975; lowest measured, 29.33 ft (8.94 m) below land-surface datum, Mar. 16, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 14	20.85	MAR 16	29.33	MAY 11	21.14	JUL 19	20.65
FEB 3	20.34	APR 28	21.97	JUN 6	20.54	AUG 30	21.00

GROUND-WATER LEVELS

YAZOO COUNTY--Continued

325016090251601. Local number, G126.

LOCATION.--Lat 32°50'16", long 90°25'16", Hydrologic Unit 08030206, SW¼NE¼ sec.32, T.12 N., R.2 W., 0.3 mi (0.5 km) 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 (15 cm), depth 801 ft (244 m), cased to 761 ft (232 m).

DATUM.--Land-surface datum is about 96 ft (29 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 4.0 ft (1.22 m) 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 (9.5 m) above land-surface datum, Jan. 17, 1939; lowest measured, 30.1 ft (9.2 m) below land-surface datum, Sept. 4, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	23.60	23.20	22.20	22.80	23.60	23.00	---	22.70	23.90	26.50	26.40	26.60
10	22.70	23.20	23.00	22.90	23.60	22.90	---	22.70	24.40	27.10	26.80	26.90
15	23.90	22.70	24.70	24.30	22.80	22.90	---	22.40	26.10	26.70	---	---
20	23.90	22.60	23.30	24.00	23.00	23.60	---	22.00	25.40	27.10	---	---
25	23.70	22.40	22.80	24.50	23.30	---	---	22.60	27.00	26.30	---	---
EOY	23.30	22.40	22.80	24.00	23.10	---	23.00	23.60	26.40	26.20	26.80	---

324936090423001. Local number, J128.

LOCATION.--Lat 32°49'36", long 90°42'30", Hydrologic Unit 08030207, NE¼SE¼ sec.4, T.11 N., R.5 W., 0.2 mi (0.3 km) 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 (10 cm), depth 980 ft (299 m), cased to 940 ft (287 m).

DATUM.--Land-surface datum is about 103 ft (31 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of 4-in (10-cm) tee, 3.00 ft (0.91 m) 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 (11.8 m) above land-surface datum, Aug. 17, 1939; lowest measured, 12.23 ft (3.73 m) below land-surface datum, May 11, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
MAY 11	12.23

TISHOMINGO COUNTY

344616088211801. Local number D50. (USCE 11C)

LOCATION.--Lat 34°46'16", long 88°21'18", Hydrologic Unit 06030005, SW¼SE¼ sec.33, T.3 S., R.9 E., 5.5 mi (8.9 km) southwest of Burnsville.

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 (15 cm), depth 404 ft (123 m).

DATUM.--Land-surface datum is about 505 ft (153.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.6 ft (0.79 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 97.65 ft (29.8 m) below land-surface datum, March 9, 1976; lowest measured, 101.25 ft (30.9 m) below land-surface datum, September 8, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 14	98.38	MAR 9	97.65	JUN 10	97.83	AUG 24	98.37

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	98.96	FEB 16	98.98	MAY 19	98.37	AUG 3	99.79

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	100.96	FEB 15	100.62	JUN 8	100.20	SEP 8	101.25

344617088211901. Local number D51. (USCE 11D)

LOCATION.--Lat 34°46'17", long 88°21'19", Hydrologic Unit 06030005, SW¼SE¼ sec.33, T.3 S., R.9 E., 5.5 mi (8.9 km) southwest of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 210 ft (64 m). Cased to 200 ft (61 m).

DATUM.--Land-surface datum is about 505 ft (153.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.4 ft (0.73 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.02 ft (0.62 m) below land-surface datum, March 9, 1976; lowest measured, 33.90 ft (10.3 m) below land-surface datum, September 23, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 14	2.49	MAR 9	2.02	JUN 10	2.77	SEP 23	33.90

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	3.28	MAY 19	7.05	AUG 3	16.84

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	2.90	FEB 15	2.05	FEB 16	7.96	JUN 8	2.30	SEP 8	27.33

TISHOMINGO COUNTY--Continued

344638088200102. Local number D40. (USCE 12A)

LOCATION.--Lat 34°46'38", long 88°20'01", Hydrologic Unit 06030005, SE¼NE¼ sec.34, T.3 S., R.9 E., 4.5 mi (7.2 km) southwest of Burnsville.

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 8 in (20.3 cm), depth 190 ft (58 m).

DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 21.98 ft (6.7 m) below land-surface datum, March 22, 1973; lowest measured, 32.18 ft (9.81 m) below land-surface datum, February 14, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 28	22.81	JUN 20	23.38	SEP 5	24.53

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	24.03	JAN 24	22.35	MAR 1	22.04	MAR 22	21.98	APR 25	22.06	MAY 31	22.59
DEC 8	22.77										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 13	24.71	MAR 14	23.40	APR 9	23.61	MAY 23	23.79	JUN 20	23.32	AUG 29	25.16

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	25.79	NOV 27	28.53	DEC 17	24.52	FEB 8	23.54	JUN 25	23.93	SEP 25	25.37

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 9	25.87	MAR 9	22.96	JUN 10	23.41	SEP 23	25.64

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	25.32	FEB 16	24.34	MAY 19	24.23	AUG 3	26.29

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	25.42	FEB 14	32.18	JUN 8	24.70	SEP 8	30.68

344638088200103. Local number D41. (USCE 12B)

LOCATION.--Lat 34°46'38", long 88°20'01", Hydrologic Unit 06030005, SE¼NE¼ sec.34, T.3 S., R.9 E., 4.5 mi (7.2 km) southwest of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20.3 cm), depth 150 ft (45.7 m).

DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 22.29 ft (6.8 m) below land-surface datum, March 22, 1973; lowest measured, 30.25 ft (9.2 m) below land-surface datum, September 8, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 28	22.97	JUN 20	24.04	SEP 5	25.33

344638088200103. Local number D41. (USCE 12B)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	24.48	JAN 24	22.63	MAR 22	22.29	APR 25	22.49	MAY 31	22.74	JUL 12	24.09
DEC 8	23.09	MAR 1	22.52								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 7	23.37	MAR 13	23.38	APR 9	23.53	MAY 23	24.18	JUN 20	23.54	AUG 29	25.45
MAR 12	23.34	MAR 14	23.40								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11 SEP 25	25.82 25.16	NOV 27	25.14	DEC 17	24.71	FEB 8	23.61	JUN 25	24.26

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 9	23.59	MAR 9	23.15	JUN 10	23.61	SEP 23	26.11

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	25.81	FEB 16	24.47	MAY 19	24.39	AUG 3	26.62

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	25.80	FEB 14	29.86	JUN 8	25.70	SEP 8	30.25

344638088200104. Local number D42. (USCE 12C)

LOCATION.--Lat 34°46'38", long 88°20'01", Hydrologic Unit 06030005, SE₄NE₄ sec.34, T.3 S., R.9 E., 4.5 mi (7.2 km) southwest of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15 cm), depth 88 ft (26.8 m), cased to 78 ft (23.8 m).

DATUM. --Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.8 ft (0.5 m) above land-surface datum.

PERIOD OF RECORD.--March 1972 to current year

EXTREMES FOR PERIOD OF RECORD.-- Highest water level measured 22.39 ft (6.82 m) below land-surface datum, March 22, 1973; lowest measured, 32.08 ft (9.78 m) below land-surface datum, September 30, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 28	23.04	JUN 20	24.71	SEP 5	25.60

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	24.68	JAN 24	22.73	MAR 22	22.39	APR 25	22.50	MAY 31	23.06	JUL 12	24.68
DEC 8	22.99	MAR 1	22.90								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 7	22.98	MAR 13	24.62	APR 9	23.84	MAY 23	25.04	JUN 20	24.55	AUG 29	26.70
MAR 12	24.26	MAR 14	24.37								

344638088200104. Local number D42. (USCE 12C)--Continued

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

344643088182102. Local number D37. (USCE 14A)

LOCATION.--Lat 34°46'43", long 88°18'21", Hydrologic Unit 06030005, SE¼NW¼ sec.36, T.3 S., R.9 E., 4 mi (6.4 km) south of Burnsville.

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 (10.2 cm), depth 184 ft (56 m).

DATUM.--Land-surface datum is about 545 ft (166 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.0 ft (0.3 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 67.59 ft (20.6 m) below land-surface datum, April 25, 1973; lowest measured, 73.00 ft (22.3 m) below land-surface datum, November 27, 1974.

RELIES FOR PERIOD OF RECORD:—highest water level measured 87.55 ft (26.7 m) below land-surface datum, April 25, 1973; lowest measured, 73.00 ft (22.3 m) below land-surface datum, November 27, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974[illegible]

TISHOMINGO COUNTY--Continued

344643088182102. Local number D37. (USCE 14A)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 27	73.00	DEC 17	71.75	FEB 8	69.25	JUN 25	70.72

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 14	68.35	MAR 9	68.06	JUN 10	68.33

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 16	68.94	MAY 19	69.01	AUG 3	70.00

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	69.51	FEB 15	71.91	JUN 8	70.65

344643088182103. Local number D43. (USCE 14B)

LOCATION.--Lat 34°46'43", long 88°18'21", Hydrologic Unit 06030005, SE¼NW¼ sec.36, T.3 S., R.9 E., 4 mi (6.4 km) south of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 154 ft (47 m).

DATUM.--Land-surface datum is about 545 ft (166 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.4 ft (0.1 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 67.51 ft (20.6 m) below land-surface datum, April 25, 1973; lowest measured, 70.94 ft (21.6 m) below land-surface datum, November 27, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 28	68.50	APR 3	68.39	JUN 20	69.35	SEP 5	70.46

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	69.54	JAN 24	67.99	MAR 22	67.58	APR 25	67.51	MAY 31	68.04	JUL 13	69.14
DEC 8	68.39										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 7	67.86	MAR 13	68.22	APR 9	68.48	MAY 23	68.70	JUN 20	68.43	AUG 30	69.76

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	69.94	NOV 27	70.94	DEC 17	68.87	FEB 8	68.11	JUN 25	68.93	SEP 25	69.48

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 14	68.19	MAR 9	67.73	JUN 10	68.28	AUG 24	70.16

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

TISHOMINGO COUNTY--Continued

344643088182103. Local number D43. (USCE 14B)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	69.44	FEB 16	68.73	MAY 19	68.83	AUG 3	70.24

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	69.14	FEB 15	70.27	JUN 8	68.70	SEP 8	70.85

344643088182104. Local number D44. (USCE 14C)

LOCATION.--Lat 34°46'43", long 88°18'21", Hydrologic Unit 06030005, SE¼NW¼ sec.36, T.3 S., R.9 E., 4 mi (6.4 km) south of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 106 ft (32 m), cased to 100 ft (30 m).

DATUM.--Land-surface datum is about 545 ft (166 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.2 ft (0.4 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 65.63 ft (20.0 m) below land-surface datum, April 25, 1973; lowest measured, 70.94 ft (21.6 m) below land-surface datum, November 27, 1974.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 28	66.47	APR 13	66.65	JUN 20	67.70	SEP 5	68.27

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	67.79	JAN 24	66.32	MAR 22	66.00	APR 25	65.63	MAY 31	66.47	JUL 13	67.60
DEC 8	66.65	MAR 1	66.36								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 7	66.11	MAR 13	66.60	APR 9	66.82	MAY 23	67.03	JUN 20	66.90	AUG 30	68.30
MAR 12	66.45										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	69.94	NOV 27	70.94	DEC 17	68.87	FEB 8	68.11	JUN 25	67.52	SEP 25	67.60

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 14	66.48	MAR 9	65.91	JUN 10	66.63	AUG 24	68.68

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	67.70	FEB 16	66.99	MAY 19	67.24	AUG 3	68.39

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	67.22	FEB 15	67.89	JUN 8	66.90	SEP 8	69.10

TISHOMINGO COUNTY--Continued

344634088173201. Local number E14. (USCE 15A)

LOCATION.--Lat 34°46'34", long 88°17'32", Hydrologic Unit 06030005, NW¼SW¼ sec.31, T.3 S., R.10 E., 4.2 mi (6.8 km) southeast of Burnsville.

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 2 in (5.1 cm), depth 340 ft (104 m), cased to 320 ft (98 m).

DATUM.--Land-surface datum is about 540 ft (164.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 0.4 ft (0.1 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 77.19 ft (23.5 m) below land-surface datum, April 25, 1973; lowest measured, 83.08 ft (25.3 m) below land-surface datum, September 8, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 1	78.49	MAR 2	78.54	MAR 7	78.61	JUN 20	78.87	SEP 5	79.80

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	78.80	JAN 24	78.48	MAR 22	77.95	APR 25	77.19	MAY 31	77.49	JUL 13	78.16
DEC 8	79.10	MAR 1	78.16								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 7	78.63	MAR 12	78.52	MAR 13	78.58	APR 9	78.67	MAY 23	78.82	JUN 20	78.75

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	80.47	NOV 27	80.36	DEC 17	80.12	FEB 8	79.49	JUN 25	78.96	SEP 25	79.98

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 8	72.80	MAR 9	78.65	JUN 10	78.94	AUG 24	80.29

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	80.73	FEB 16	80.09	MAY 19	79.80	AUG 3	81.09

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	81.25	FEB 15	80.78	JUN 8	81.00	SEP 8	83.08

344634088173202. Local number E15. (USCE 15B)

LOCATION.--Lat 34°46'34", long 88°17'32", Hydrologic Unit 06030005, NW¼SW¼ sec.31, T.3 S., R.10 E., 4.2 mi (6.8 km) southeast of Burnsville.

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 (10.2 cm), depth 204 ft (62 m), cased to 184 ft (56 m).

DATUM.--Land-surface datum is about 540 ft (165 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 1.2 ft (0.4 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 51.08 ft (15.6 m) below land-surface datum, March 2, 1972; lowest measured, 54.55 ft (16.6 m) below land-surface datum, June 8, 1978.

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

TISHOMINGO COUNTY--Continued

344634088173202. Local number E15. (USCE 15B)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 1	51.43	MAR 2	51.08	MAR 7	51.08	JUN 20	52.11	SEP 5	53.07

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	53.06	JAN 24	51.97	MAR 22	51.46	APR 25	51.24	MAY 31	51.52	JUL 13	52.25
DEC 8	52.35	MAR 1	51.84								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 7	51.57	MAR 13	51.70	APR 9	51.72	MAY 22	52.00	JUN 20	51.80	AUG 30	53.00
MAR 12	51.67										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	53.25	NOV 27	52.93	DEC 17	52.47	FEB 8	51.92	JUN 25	52.13	SEP 25	52.62

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 8	51.99	MAR 9	51.48	JUN 10	51.74	AUG 24	53.02		

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	52.87	FEB 16	52.48	MAY 19	52.35	AUG 3	53.30

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	52.93	FEB 15	53.82	JUN 8	54.55	SEP 8	53.95

344634088173203. Local number E16. (USCE 15C)

LOCATION.--Lat 34°46'34", long 88°17'32", Hydrologic Unit 06030005, NW¼SW¼ sec.31, T.3 S., R.10 E.,

4.2 mi (6.8 km) southeast of Burnsville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 130 ft (39.6 m), cased to 120 ft (36.6 m).

DATUM.--Land-surface datum is about 540 ft (164.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.2 ft (0.4 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 45.66 ft (13.90 m) below land-surface datum, March 30, 1976; lowest measured, 48.38 ft (14.75 m) below land-surface datum, February 15, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 2	47.00	MAR 7	47.00	JUN 20	47.44	SEP 5	47.86

344634088173203. Local number E16. (USCE 15C)--Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	47.68	JAN 24	46.35	MAR 22	45.80	APR 25	45.62	MAY 31	45.89	JUL 13	46.68
DEC 8	45.88	MAR 1	46.25								

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 7 AUG 30	46.05 47.40	MAR 12	46.20	MAR 13	46.23	APR 9	46.33	MAY 23	46.49	JUN 20	46.34

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	47.03	46.50	46.19	46.23	45.94	45.91	45.91	46.58	46.64	47.14
10	---	---	46.94	46.34	46.17	46.25	45.87	45.92	46.02	46.51	46.66	47.14
15	---	---	46.87	46.33	46.11	46.01	45.95	45.80	46.08	46.66	46.74	47.13
20	---	47.08	46.80	46.25	46.00	45.92	45.93	45.66	46.27	46.78	46.82	46.99
25	---	47.07	46.76	46.20	45.98	45.91	45.98	45.77	46.50	46.78	46.90	46.85
EOM	---	47.03	46.54	46.26	46.00	45.83	45.91	45.82	46.48	46.85	47.02	46.87

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	46.93	46.69	46.41	46.19	46.06	45.94	45.65	45.99	45.96	46.46	47.01	47.37
10	46.89	46.46	46.34	46.19	46.03	45.82	45.77	46.05	46.00	46.61	47.10	47.36
15	46.90	46.49	46.40	46.12	46.08	45.81	45.79	45.90	46.11	46.70	47.17	47.43
20	46.66	46.51	46.42	46.15	45.90	45.81	45.83	45.96	46.13	46.87	47.32	47.42
25	46.64	46.49	46.40	46.04	45.94	45.81	45.82	45.97	46.26	46.96	47.35	47.47
EOY	46.68	46.44	46.19	46.02	45.93	45.65	45.93	45.96	46.34	46.90	47.43	47.44

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	47.51	47.11	46.89	46.68	46.56	---	---	---	46.69	47.18	47.57	48.07
10	47.53	47.00	46.87	46.58	46.67	---	---	---	46.77	47.26	47.65	48.14
15	47.57	46.98	46.78	46.51	46.59	---	---	---	46.88	47.39	47.75	48.06
20	47.60	46.94	46.75	46.54	---	---	---	46.60	46.85	47.48	47.79	48.06
25	47.41	47.00	46.77	46.51	---	---	---	46.70	46.93	47.54	47.87	48.04
EOM	47.15	46.89	46.64	46.55	---	---	---	46.59	47.04	47.47	48.03	47.71

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	47.70	47.07	46.41	47.44	48.31	---	---	---	---	46.96	47.54	47.86
10	47.51	47.03	46.67	47.63	48.37	---	---	---	46.67	47.07	47.45	
15	47.49	47.10	46.73	47.75	48.38	---	---	---	46.78	47.10	47.46	---
20	47.49	47.00	46.71	47.79	---	---	---	---	46.85	47.24	47.56	---
25	47.47	46.79	46.83	47.93	---	---	---	---	46.80	47.37	47.67	---
EOM	47.23	46.63	47.08	48.26	---	---	---	---	46.89	47.47	47.78	---

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 123.95 ft (37.8 m) below land-surface datum, April 25, 1973; lowest measured, 136.88 ft (41.7 m) below land-surface datum, February 15, 1978.

DATE	WATER LEVEL
SEP 2	130.41

TISHOMINGO COUNTY--Continued

344155088194801. Local number G4. (USCE 21A)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 1	128.66	DEC 7	125.73	JAN 26	125.29	FEB 17	125.07	APR 19	126.29	SEP 6	125.95
OCT 28	125.63	DEC 14	125.63	JAN 28	125.19	MAR 7	125.03	JUN 20	125.30		

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	125.92	DEC 8	125.32	JAN 24	125.05	MAR 22	124.28	APR 25	123.95	JUL 12	124.45

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 7	124.26	MAR 12	124.15	APR 9	124.20

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	130.30	NOV 27	131.24	DEC 17	129.69	FEB 8	129.04	JUN 25	129.12	SEP 25	129.40

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 8	129.29	MAR 9	128.90	JUN 10	130.02	AUG 24	130.84

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	130.23	FEB 16	132.31	MAY 19	129.44	AUG 3	133.04

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	133.18	FEB 15	136.88	JUN 8	133.95	SEP 27	131.90

344155088194802. Local number G5. (USCE 21B)

LOCATION.--Lat 34°41'55", long 88°19'48", Hydrologic Unit 06030005, SW¼SW¼ sec.26, T.4 S., R.9 E., 2.2 mi (3.5 km) southwest of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 235 ft (71.6 m).

DATUM.--Land-surface datum is about 585 ft (178.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 123.88 ft (37.8 m) below land-surface datum, March 9, 1976; lowest measured, 135.36 ft (41.3 m) below land-surface datum, February 15, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	WATER LEVEL
SEP 2	125.69

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 1	125.86	DEC 7	125.73	JAN 26	125.29	FEB 17	125.07	APR 19	126.29	SEP 6	125.95
OCT 28	125.90	DEC 14	125.63	JAN 28	125.19	MAR 7	125.03	JUN 20	125.30		

TISHOMINGO COUNTY--Continued

344155088194802. Local number G5. (USCE 21B)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	125.92	JAN 24	125.05	MAR 1	124.59	MAR 22	124.28	APR 25	123.95	JUL 12	124.45
DEC 8	125.32										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 7	124.26	MAR 12	124.15	APR 9	124.20

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	125.42	NOV 27	124.27	DEC 17	125.08	FEB 8	124.52	JUN 25	124.27	SEP 25	124.73

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 8	124.26	MAR 9	123.88	JUN 9	124.81	AUG 24	125.98

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	126.00	FEB 16	125.63	MAY 19	126.11	AUG 3	124.92

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	127.83	FEB 15	135.36	JUN 8	128.20	SEP 27	128.30

344218088184301. Local number G38. (USCE 22A)

LOCATION.--Lat 34°42'18", long 88°18'43", Hydrologic Unit 03160101, SW¼NW¼ sec.25, T.4 S., R.9 E., 2.0 mi (3.2 km) south of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand and gravel of Gordo Formation of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 360 ft (109.7 m), cased to 320 ft (97.5 m).

DATUM.--Land-surface datum is about 625 ft (190.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.6 ft (0.2 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 151.12 ft (46.1 m) below land-surface datum, March 9, 1976; lowest measured, 181.26 ft (55.3 m) below land-surface datum, February 15, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 17	152.26	MAR 7	152.18	APR 19	152.23	JUN 20	152.41	SEP 6	153.15

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	153.20	JAN 24	152.39	MAR 1	152.08	MAR 22	151.80	APR 25	151.17	JUL 12	151.50
DEC 8	151.50										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 7	151.49	MAR 12	151.33	APR 9	151.39	MAY 23	151.52	JUN 20	151.65	AUG 29	151.81

TISHOMINGO COUNTY--Continued

344218088184301. Local number G38. (USCE 22A)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	152.49	NOV 27	152.39	DEC 17	152.27	FEB 8	151.94	JUN 25	151.48	SEP 25	151.78

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 8	151.70	MAR 9	151.12	JUN 9	155.88	AUG 24	158.39

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	158.52	FEB 16	162.75	MAY 19	165.51	AUG 3	172.01

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	169.92	FEB 15	181.26	JUN 8	167.80	SEP 27	163.50

344218088184302. Local number G40. (USCE 22B)

LOCATION.--Lat 34°42'18", long 88°18'43", Hydrologic Unit 03160101, NW¼SW¼ sec.25, T.4 S., R.9 E., 2.0 mi (3.2 km) south of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 240 ft (73.2 m), cased to 230 ft (70.1 m).

DATUM.--Land-surface datum is about 625 ft (190.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.9 ft (0.3 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 142.33 ft (43.4 m) below land-surface datum, March 9, 1976; lowest measured 161.40 ft (49.2 m) below land-surface datum, February 15, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 17	143.83	MAR 7	143.80	APR 19	143.66	JUN 20	143.77	SEP 6	144.40

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	144.45	JAN 24	143.46	MAR 1	143.25	MAR 22	142.86	APR 25	142.56	JUL 12	142.90
DEC 8	143.97										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 7	142.86	MAR 12	142.74	APR 9	142.79	MAY 23	142.92	JUN 20	142.78	AUG 29	143.32

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	143.73	NOV 27	143.70	DEC 17	143.55	FEB 8	143.13	JUN 25	142.84	SEP 25	143.08

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 8	142.86	MAR 9	142.33	JUN 9	143.25	AUG 24	144.40

TISHOMINGO COUNTY--Continued

344218088184302. Local number G40. (USCE 22B)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	144.67	FEB 16	145.52	MAY 19	146.15	AUG 3	149.34

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	149.49	FEB 15	161.40	JUN 8	149.60	SEP 27	148.60

344230088173401. Local number G20. (USCE 23C)

LOCATION.--Lat 34°43'30", long 88°17'34", Hydrologic Unit 03060101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.

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 2 in (5.1 cm), depth 330 ft (100.6 m), cased to 230 ft (70.1 m).

DATUM.--Land-surface datum is about 588 ft (179.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing, 2.1 ft (0.6 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 84.27 ft (25.7 m) below land-surface datum, April 25, 1973; lowest measured, 111.00 ft (33.8 m) below land-surface datum, August 27, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 10	87.90	SEP 23	86.81

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	86.88	DEC 14	86.56	JAN 21	85.97	MAY 3	85.62	JUN 19	85.85
DEC 1	86.57	JAN 12	86.40	MAR 5	85.24			SEP 6	86.46

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	86.53	JAN 24	85.58	MAR 22	84.84	APR 25	84.27	MAY 31	84.31
DEC 8	86.11	MAR 1	85.35					JUL 13	84.62

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 6	84.60	MAR 12	84.90	APR 9	84.54	MAY 23	83.40	JUN 20	84.90

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	84.90	NOV 27	84.90	DEC 17	86.15	FEB 8	85.45	JUN 25	84.69
								SEP 25	84.99

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 8	85.09	MAR 9	84.43	JUN 9	86.27	AUG 25	88.53

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	88.70	FEB 16	86.46	MAY 19	96.48	AUG 27	111.00

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

TISHOMINGO COUNTY--Continued

344230088173401. Local number G20. (USCE 23C)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	107.66	JUN 13	107.70	SEP 26	99.05

344230088173402. Local number G33. (USCE 23D)

LOCATION.--Lat 34°42'30", long 88°17'34", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.9 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 145 ft (44.2 m), cased to 135 ft (41.1 m).

DATUM.--Land-surface datum is about 590 ft (179.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.7 ft (0.5 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 86.95 ft (26.5 m) below land-surface datum, April 25, 1973; lowest measured, 104.19 ft (31.76 m) below land-surface datum, June 30, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 28	89.31	DEC 1	89.44	DEC 8	89.31	JAN 12	88.94	MAR 7	88.73	JUN 19	88.91
OCT 28	89.39	DEC 2	89.35	JAN 12	88.94	JAN 21	89.00	MAY 3	88.85	SEP 6	89.35

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	89.33	JAN 24	88.37	MAR 22	87.52	APR 25	86.95	MAY 31	87.06	JUL 13	87.42
DEC 8	88.89	MAR 1	88.01								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 6	87.05	MAR 12	87.27	APR 8	87.37

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	88.25	88.23	88.23	87.98	87.56	87.37	87.28	87.84	87.81	88.15
10	---	---	88.19	88.23	87.94	87.94	87.43	87.39	87.30	87.80	87.92	88.15
15	---	---	88.19	88.23	87.87	87.71	87.47	87.30	87.30	87.89	87.98	88.15
20	---	88.23	88.23	88.23	87.75	87.69	87.47	87.15	87.43	87.92	88.02	88.15
25	---	88.24	88.23	88.23	87.75	87.68	87.45	87.25	87.80	87.90	88.04	87.91
EOY	---	88.24	88.23	88.23	87.75	87.44	87.35	87.26	87.80	87.91	88.08	87.99

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	88.06	88.02	88.05	87.98	87.81	87.63	87.45	87.77	87.87	88.49	88.72	88.97
10	88.04	87.98	88.02	87.96	87.74	87.50	87.54	87.77	87.94	88.59	---	89.03
15	88.07	87.98	88.09	87.91	87.80	87.52	87.55	87.65	88.12	88.63	88.73	89.12
20	87.92	87.98	88.11	87.90	87.61	87.53	87.56	87.83	88.18	88.71	88.73	89.15
25	87.96	87.99	88.06	87.77	87.69	87.52	87.64	87.83	88.29	88.73	89.11	89.23
EOY	88.02	87.99	87.92	87.74	87.63	87.38	87.72	87.83	88.40	88.72	89.09	89.18

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	89.26	89.27	90.48	90.66	90.45	---	---	---	91.82	95.44	99.05	100.65
10	89.28	89.25	90.54	90.57	90.50	---	---	---	92.02	97.19	99.62	100.74
15	89.33	89.41	90.49	90.62	90.50	---	---	---	92.06	97.91	99.94	100.81
20	89.36	89.87	90.51	90.62	---	---	---	91.87	92.07	98.57	100.02	100.90
25	89.16	90.11	90.59	90.57	---	---	---	91.84	92.54	97.53	100.44	101.04
EOY	89.18	90.34	90.61	90.45	---	---	---	91.55	92.69	98.84	100.58	100.66

TISHOMINGO COUNTY--Continued

344230088173402. Local number G33. (USCE 23D)--Continued

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	100.85	100.78	---	---	---	---	---	---	---	104.13	100.94	100.86
10	100.84	100.72	---	---	---	---	---	---	---	104.05	100.93	100.86
15	100.57	100.72	---	---	---	---	---	---	101.75	101.48	100.84	100.86
20	100.57	---	---	---	---	---	---	---	101.97	101.53	100.88	100.86
25	100.57	---	---	---	---	---	---	---	101.88	101.08	100.55	100.86
EQM	100.75	---	---	---	---	---	---	---	104.19	100.94	100.58	102.37

344231088173401. Local number G34. (USCE 23E)

LOCATION.--Lat 34°42'31", long 88°17'34", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.9 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 92 ft (28.0 m), cased to 87 ft (26.5 m).

DATUM.--Land-surface datum is about 585 ft (178.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.3 ft (0.7 m) above land-surface datum.

PERIOD OF RECORD.--Highest water level measured, 63.84 ft (19.5 m) below land-surface datum, June 9, 1976; lowest measured, 73.07 ft (22.3 m) below land-surface datum, September 26, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 10	68.97	SEP 23	69.14

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	69.37	DEC 2	69.57	DEC 14	69.35	JAN 21	69.19	MAY 3	68.85	SEP 6	68.97
DEC 1	69.74	DEC 8	69.59	JAN 12	69.24	MAR 7	69.25	JUN 19	68.60		

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	69.13	JAN 24	69.03	MAR 22	68.11	APR 25	67.09	MAY 31	67.21	JUL 13	66.50
DEC 8	69.20	MAR 1	68.49								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 6	66.60	MAR 12	66.34	APR 9	66.48

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	71.30	NOV 27	66.55	DEC 17	66.62	FEB 8	66.95	SEP 25	66.29

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 9	66.40	MAR 9	65.90	JUN 9	63.84	AUG 25	65.86

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	66.29	FEB 16	67.28	MAY 19	67.32	AUG 3	68.10

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	70.13	JUN 13	72.50	SEP 26	73.07

TISHOMINGO COUNTY--Continued

344231088173501. Local number G35. (USCE 23F)

LOCATION.--Lat 34°42'31", long 88°17'35", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.9 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 148 ft (45.1 m), cased to 138 ft (42.1 m).

DATUM.--Land-surface datum is about 588 ft (179.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

PERIOD OF RECORD.--October 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.86 ft (25 m) below land-surface datum, December 2, 1971; lowest measured, 100.40 ft (30.6 m) below land-surface datum, June 13, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	82.14	DEC 2	81.86	JAN 12	81.88	MAR 7	86.81	JUN 19	86.99	SEP 6	87.44
DEC 1	81.98	DEC 8	81.86	JAN 21	82.00	MAY 8	86.81				

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	87.43	JAN 24	86.49	MAR 22	85.65	APR 25	84.98	MAY 31	85.18	JUL 13	85.40
DEC 8	87.04										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 6	85.54	MAR 12	85.74	APR 9	85.47	MAY 23	85.50	JUN 20	85.48

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	86.16	NOV 27	85.99	DEC 17	86.17	FEB 8	86.00	JUN 25	85.49	SEP 25	85.76

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 9	85.85	MAR 9	85.23	JUN 9	85.92	AUG 25	87.05

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	87.20	FEB 16	85.48	MAY 19	90.27	AUG 3	96.87

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	98.83	JUN 13	100.40	SEP 26	99.38

344228088173901. Local number G23. (USCE 23G)

LOCATION.--Lat 34°42'28", long 88°17'39", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.

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 2 in (5.1 cm), depth 260 ft (79.2 m), cased to 240 ft (73.2 m).

DATUM.--Land-surface datum is about 601 ft (183.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.6 ft (0.2 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 96.63 ft (29.5 m) below land-surface datum, April 25, 1973; lowest measured, 120.91 ft (36.9 m) below land-surface datum, November 15, 1977.

344228088173901. Local number G23. (USCE 23G)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 21	97.69	MAR 7	97.29	MAY 3	97.74	JUN 19	98.07	SEP 6	98.82

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	98.87	JAN 24	97.95	MAR 22	97.22	APR 25	96.63	MAY 31	96.70	JUL 13	97.00
DEC 8	98.43	MAR 1	97.60								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 6	96.80	MAR 12	96.81	APR 8	96.80	MAY 23	97.08	JUN 20	96.96	AUG 30	97.50

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	97.76	NOV 27	99.93	DEC 17	98.32	FEB 8	97.99	JUN 25	97.02	SEP 25	97.39

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 8	97.45	MAR 4	97.02	JUN 9	99.11	AUG 25	101.53

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	101.72	FEB 16	106.29	MAY 19	109.55	AUG 3	124.36

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	120.91	JUN 13	120.80	SEP 26	112.55

344232088173201. Local number G27. (USCE 23I)

LOCATION.--Lat 34°42'32", long 88°17'32", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 492 ft (150 m), cased to 452 ft (137.8 m).

DATUM.--Land-surface datum is about 587 ft (178.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 177.54 ft (54.1 m) below land-surface datum, April 25, 1973; lowest measured, 184.62 ft (56.3 m) below land-surface datum, November 15, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 21	178.47	MAR 7	178.51	MAY 3	178.48	JUN 19	178.23	SEP 6	180.60

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	180.97	JAN 24	179.20	MAR 22	178.53	APR 25	177.54	MAY 31	178.19	JUL 13	179.17
DEC 8	180.75	MAR 1	178.75								

TISHOMINGO COUNTY--Continued

344232088173201. Local number G27. (USCE 23I)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 7	179.87	MAR 12	179.57	APR 9	179.89	MAY 23	180.18	JUN 20	180.37

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	182.54	NOV 27	183.03	DEC 17	182.98	FEB 8	181.35	SEP 25	182.09

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 9	181.33	MAR 9	180.55	MAY 11	180.55	AUG 25	182.83

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	182.90	FEB 16	182.47	MAY 19	182.61	AUG 3	183.75

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL
NOV 15	184.62

344232088173202. Local number G31. (USCE 23J)

LOCATION.--Lat 34°42'32", long 88°17'32", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.

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 (10.2 cm), depth 380 ft (115.8 m), cased to 360 ft (109.7 m).

DATUM.--Land-surface datum is about 587 ft (178.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.2 ft (0.1 m) above land-surface datum.

PERIOD OF RECORD.--December 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 81.78 ft (24.9 m) below land-surface datum, April 25, 1973; lowest measured, 110.36 ft (33.6 m) below land-surface datum, August 3, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 14	83.80	JAN 12	83.72	MAR 7	82.56	MAY 3	83.07	JUN 19	83.27

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17 DEC 8	84.04 83.59	JAN 24	83.12	MAR 1	82.76	APR 25	81.78	MAY 31	81.87	JUL 13	82.15

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 7	82.09	MAR 12	81.97	APR 9	82.06	MAY 23	82.25	JUN 20	82.12

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	82.90	NOV 27	82.90	DEC 17	82.89	FEB 8	82.64	JUN 25	82.17
SEP 25	82.50								

TISHOMINGO COUNTY--Continued

344232088173202. Local number G31. (USCE 23J)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 9	82.47	MAR 9	81.96	JUN 9	84.20	AUG 25	86.73

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	86.95	FEB 16	91.89	MAY 19	95.45	AUG 3	110.36

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	106.44	SEP 26	97.70

344234088153401. Local number G30. (USCE 23K)

LOCATION.--Lat 34°42'34", long 88°15'34", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.

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 8 in (20.3 cm), depth 300 ft (91.4 m), cased to 200 ft (61 m).

DATUM.--Land-surface datum is about 559 ft (170.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.5 ft (0.2 m) above land-surface datum.

PERIOD OF RECORD.--November 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 53.05 ft (16.2 m) below land-surface datum, April 25, 1973; lowest measured, 78.06 ft (23.8 m) below land-surface datum, August 3, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 8	56.00	DEC 14	55.64	MAR 7	54.07	MAY 3	54.47	JUN 19	54.61	SEP 6	55.25
DEC 1	55.63										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	55.30	JAN 24	54.38	MAR 22	53.63	APR 25	53.05	MAY 31	53.12	JUL 13	53.44
DEC 8	54.87	MAR 1	54.03								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 7	53.38	MAR 12	53.26	APR 9	53.31	MAY 23	53.50	JUN 20	53.37

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	54.21	DEC 17	54.24	FEB 8	55.51	JUN 25	53.47	SEP 25	53.81

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 9	53.88	MAR 9	53.28	JUN 9	54.96	AUG 25	57.10

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	57.34	FEB 16	61.39	MAY 19	64.47	AUG 3	78.06

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

TISHOMINGO COUNTY--Continued

344234088153401. Local number G30. (USCE 23K)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	74.81	JUN 13	74.30	SEP 26	65.90

344234088153402. Local number G32. (USCE 23L)

LOCATION.--Lat 34°42'34", long 88°15'34", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.

Owner: U. S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 8 in (20.3 cm), depth 126 ft (38.4 m), cased to 86 ft (26.2 m).

DATUM.--Land-surface datum is about 563 ft (171.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.3 m) above land-surface datum.

PERIOD OF RECORD.--December 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 59.16 ft (18 m) below land-surface datum, May 31, 1973; lowest measured, 74.00 ft (22.6 m) below land-surface datum, June 13, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 14	62.89	JAN 17	61.67	MAR 7	61.58	MAY 3	61.63	JUN 19	61.32
SEP 6	61.63	JAN 21	61.77						

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	61.81	JAN 24	60.77	MAR 22	60.08	APR 25	60.31	MAY 31	59.16	JUL 13	59.58
DEC 8	61.41	MAR 1	60.40								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 7	59.75	MAR 12	59.68	APR 9	59.71	MAY 23	59.73	JUN 20	59.67

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	60.47	NOV 27	60.37	DEC 17	60.49	FEB 8	60.21	JUN 25	59.75
SEP 25	60.01								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	60.19	MAR 9	59.64	JUN 9	60.15	AUG 25	61.28

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	61.48	FEB 16	52.77	MAY 19	64.20	AUG 3	70.96

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	72.14	JUN 13	74.00	SEP 26	72.60

TISHOMINGO COUNTY--Continued

344228088173902. Local number G41. (USCE 23N)
 LOCATION.--Lat 34°42'28", long 88°17'39", Hydrologic Unit 03160101, NW¼NW¼ sec. 30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.
 Owner: U.S. Army, Corps of Engineers.
 AQUIFER.--Sand of Eutaw of late Cretaceous age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 200 ft (61 m), cased to 180 ft (54.9 m).
 DATUM.--Land-surface datum is about 600 ft (182.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.8 ft (0.2 m) above land-surface datum.
 PERIOD OF RECORD.--May 1972 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 97.13 ft (29.6 m) below land-surface datum, July 31, 1973; lowest measured, 115.76 ft (35.3 m) below land-surface datum, November 15, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 3	100.31	JUN 19	100.52	SEP 6	100.94

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	100.92	JAN 24	100.00	MAR 22	99.22	APR 25	98.69	MAY 31	98.72	JUL 31	97.15
DEC 8	100.52	MAR 1	99.68								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 6	99.17	MAR 12	98.97	APR 8	99.07	MAY 23	98.03	JUN 20	99.09	AUG 30	100.33

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	99.70	NOV 27	99.70	DEC 17	99.80	FEB 8	99.54	JUN 25	99.16	SEP 25	99.32

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	99.54	MAR 9	88.52	JUN 9	99.64	AUG 25	100.80

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	100.90	FEB 16	100.18	MAY 19	103.70	AUG 3	111.74

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	115.76	JUN 13	114.80	SEP 26	113.50

344228088173903. Local number G42. (USCE 23O)
 LOCATION.--Lat 34°42'28", long 88°17'39", Hydrologic Unit 03160101, NW¼NW¼ sec.30, T.4 S., R.10 E., 1.3 mi (2.1 km) southeast of Holcut.
 Owner: U.S. Army, Corps of Engineers.
 AQUIFER.--Sand of Eutaw of late Cretaceous age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 60 ft (18.2 m), cased to 50 ft (15.2 m).
 DATUM.--Land-surface datum is about 561 ft (171 m), National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.1 ft (0.6 m) above land-surface datum.
 PERIOD OF RECORD.--March 1972 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 41.13 ft (12.5 m) below land-surface datum, December 4, 1975; lowest measured, 50.80 ft (15.5 m) below land-surface datum, June 13, 1978.

344228088173903. Local number G42. (USCE 230)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 7	44.75	MAY 3	44.51	JUN 19	44.13	SEP 6	44.33

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	44.50	JAN 24	44.35	MAR 22	43.40	APR 25	43.60	MAY 31	42.34	JUL 13	41.35
DEC 8	44.57	MAR 1	43.85								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 7	41.90	MAR 12	41.70	APR 9	41.70	MAY 23	41.27	JUN 20	41.15

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	41.40	NOV 27	40.97	DEC 17	41.35	FEB 8	41.44	JUN 25	41.44	SEP 25	40.76

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	41.13	MAR 9	40.45	JUN 9	40.08	AUG 25	40.25

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	40.77	FEB 16	42.08	MAY 19	42.05	AUG 3	44.03

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 15	47.10	JUN 13	50.80

344253088162802. Local number G15. (USCE 25A)

LOCATION.--Lat 34°42'53", long 88°16'28", Hydrologic Unit 06030006, NW¼SW¼ sec.20, T.4 S., R.10 E., 1.8 mi (2.9 km) southeast of Holcut.

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 (10.2 cm), depth 235 ft (71.6 m), cased to 230 ft (70.1 m).

DATUM.--Land-surface datum is about 610 ft (185.9 m) National Geodetic Vertical Datum of 1929. Measuring

point: Top of casing 0.4 ft (0.1 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 92.37 ft (28.2 m) below land-surface datum, June 25, 1975; lowest measured, 100.31 ft (30.6 m) below land-surface datum, November 16, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 2	95.74	SEP 28	95.74

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

[illegible]

TISHOMINGO COUNTY--Continued

344253088162802. Local number G15. (USCE 25A)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	95.81	JAN 24	94.96	MAR 1	94.30	MAR 22	93.83	APR 25	93.12	JUL 13	93.29
DEC 8	95.41										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 7	93.17	MAR 13	92.92	APR 9	92.90	MAY 23	92.87	JUN 20	92.81	AUG 29	93.15

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	93.40	NOV 27	93.52	DEC 16	93.51	FEB 8	93.20	JUN 25	92.37	SEP 24	92.85

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 9	93.04	MAR 9	92.70	JUN 10	93.14	AUG 25	94.14

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL
AUG 3	100.30

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	100.31	JUN 8	99.30	SEP 26	98.70

344253088162803. Local number G16. (USCE 25B)

LOCATION.--Lat 34°42'53", long 88°16'28", Hydrologic Unit 06030006, NW¼SW¼ sec.20, T.4 S., R.10 E., 1.8 mi (2.9 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 200 ft (61 m), cased to 190 ft (57.9 m).

DATUM.--Land-surface datum is about 610 ft (185.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.1 m) above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 89.87 ft (27.4 m) below land-surface datum, July 13, 1973; lowest measured, 95.32 ft (29.1 m) below land-surface datum, February 15, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 3	92.56	SEP 2	92.39	SEP 28	92.65

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	92.77	DEC 14	92.67	JAN 26	92.55	FEB 1	92.38	MAR 7	92.42	JUN 19	92.28
DEC 1	92.93	JAN 25	92.58	JAN 28	92.47	FEB 16	92.33	APR 19	92.21	SEP 6	92.77

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	92.81	DEC 8	92.49	JAN 24	91.84	MAR 1	91.27	MAR 22	90.60	JUL 13	89.87

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

TISHOMINGO COUNTY--Continued

344302088162803. Local number G16. (USCE 25B)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 7	90.10	MAR 13	89.94	APR 9	89.93	MAY 23	89.93	JUN 20	89.97	AUG 29	90.40

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	90.80	NOV 27	91.04	DEC 17	91.05	FEB 8	90.84	JUN 25	89.88	SEP 24	90.39

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 9	90.67	MAR 9	90.38	JUN 10	90.22	AUG 25	91.02

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	91.24	FEB 16	91.66	MAY 19	92.38	AUG 3	92.87

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	93.26	FEB 15	95.32	JUN 8	92.90	SEP 26	93.45

344302088153802. Local number G17. (USCE 26A)

LOCATION.--Lat 34°43'02", long 88°15'38", Hydrologic Unit 06030006, NE¼SE¼ sec.20, T.4 S., R.10 E., 2.5 mi (4.0 km) southeast of Holcut.

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 2 in (5.1 cm), depth 250 ft (76.2 m), cased to 210 ft (64 m).

DATUM.--Land-surface datum is about 565 ft (172.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.4 ft (0.6 m) above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 39.60 ft (11.2 m) below land-surface datum, March 4, 1976; lowest measured, 48.55 ft (14.8 m) below land-surface datum, February 15, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	WATER LEVEL
AUG 4	43.21

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	43.12	DEC 1	43.20	JAN 25	42.50	FEB 16	42.32	APR 19	42.22	SEP 6	43.16
OCT 28	43.19	DEC 14	43.75	FEB 1	42.29	MAR 7	42.32	JUN 19	42.62		

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	43.11	JAN 24	41.71	MAR 22	40.99	APR 25	40.51	JUL 13	41.11	DEC 8	42.35
MAR 1	41.40										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 13	40.53	APR 9	40.57	MAY 23	40.65	JUN 20	40.60	AUG 29	42.28

TISHOMINGO COUNTY--Continued

344302088153802. Local number G17. (USCE 26A)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	41.45	NOV 27	40.76	DEC 17	41.34	FEB 8	40.79	JUN 25	40.55	SEP 24	40.74

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 9	40.28	MAR 4	39.60	JUN 10	39.65	AUG 25	40.60

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	40.49	FEB 16	41.26	MAY 19	41.67	AUG 3	42.18

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	43.14	FEB 15	48.55	JUN 8	44.60	SEP 27	44.95

344302088153803. Local number G18. (USCE 26B)

LOCATION.--Lat 34°43'02", long 88°15'38", Hydrologic Unit 06030006, NE&SE& sec.20, T.4 S., R.10 E., 2.5 mi (4.0 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 127 ft (38.7 m), cased to 122 ft (37.2 m).

DATUM.--Land-surface datum is about 565 ft (172.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.1 m) above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 36.39 ft (11.1 m) below land-surface datum, April 25, 1973; lowest measured 39.65 ft (12.1 m) below land-surface datum, September 27, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	WATER LEVEL
AUG 4	38.96

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	38.93	DEC 1	39.01	JAN 25	38.31	FEB 16	38.11	APR 19	38.13	SEP 6	38.12
OCT 28	38.97	DEC 14	38.50	FEB 1	38.13	MAR 7	38.20	JUN 19	38.61		

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	38.88	JAN 24	37.62	MAR 1	37.40	MAR 22	36.85	APR 25	36.39	JUL 13	37.05
DEC 8	38.23										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 13	36.50	APR 9	36.55	MAY 23	36.58	JUN 20	36.53	AUG 29	37.35

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	37.47	NOV 27	37.41	DEC 17	37.26	FEB 8	36.86	JUN 25	36.75	SEP 24	36.91

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

TISHOMINGO COUNTY--Continued

344302088153803. Local number G18. (USCE 26B)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 9	36.76	MAR 4	36.45	JUN 10	36.53	AUG 25	37.58

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	37.36	FEB 16	37.55	MAY 19	37.74	AUG 3	38.61

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	38.48	FEB 15	39.63	JUN 8	38.40	SEP 27	39.65

344302088153804. Local number G19. (USCE 26C)

LOCATION.--Lat 34°43'02", long 88°15'38", Hydrologic Unit 06030006, NE¼SE¼ sec.20, T.4 S., R.10 E., 2.5 mi (4.0 km) southeast of Holcut.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 72 ft (21.9 m), cased to 67 ft (20.4 m).

DATUM.--Land-surface datum is about 565 ft (172.2 m) National Geodetic Vertical Datum of 1929. Measuring Point: Top of casing 0.5 ft (0.2 m) above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 35.21 ft (10.7 m) below land-surface datum, April 25, 1973; lowest measured, 38.60 ft (11.8 m) below land-surface datum, September 27, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR 1970 TO SEPTEMBER 1972

DATE	WATER LEVEL
AUG 4	37.87

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	37.87	DEC 1	37.99	JAN 25	37.27	FEB 16	37.00	APR 19	37.00	SEP 5	38.10
OCT 28	37.94	DEC 14	37.41	FEB 1	36.98	MAR 7	37.07	JUN 19	37.50		

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	37.88	JAN 24	36.55	MAR 1	36.30	MAR 22	35.78	APR 25	35.21	JUL 13	36.00
DEC 8	37.12										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 13	35.44	APR 9	35.49	MAY 23	35.50	JUN 20	35.48	AUG 29	36.34

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	36.49	NOV 27	36.44	DEC 17	36.84	FEB 8	36.35	JUN 25	35.67	SEP 24	35.96

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 9	35.76	MAR 4	35.24	JUN 10	35.51	AUG 25	36.70

TISHOMINGO COUNTY--Continued

344302088153804. Local number G19. (USCE 26C)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	36.35	DEC 16	36.52	MAY 19	36.69	AUG 3	37.58

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	37.39	FEB 15	38.30	JUN 8	37.20	SEP 27	38.60

344017088180402. Local number J18. (USCE 31A)

LOCATION.--Lat 34°40'17", long 88°18'04", Hydrologic Unit 03160101, SW¼SE¼ sec.10, T.5 S., R.9 E., 2.0 mi (3.2 km) northwest 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 (10.2 cm), depth 178 ft (54.3 m), cased to 158 ft (48.2 m).

DATUM.--Land-surface datum is about 473 ft (144.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.2 ft (0.1 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 16.85 ft (5.1 m) below land-surface datum, May 23, 1974; lowest measured 38.90 ft (11.9 m) below land-surface datum, June 8, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 22	20.74	APR 19	20.33	JUN 19	21.57	SEP 6	22.38

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	22.36	JAN 24	21.76	MAR 1	21.51	MAR 22	21.27	APR 25	20.69
DEC 8	22.05							JUL 12	20.98

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	20.13	MAR 13	19.98	APR 9	19.94	MAY 23	16.85	JUN 20	22.91
								AUG 29	20.13

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	21.40	NOV 27	21.41	DEC 17	21.30	FEB 8	21.12	JUN 25	20.67
								SEP 24	20.83

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 9	20.93	MAR 4	20.48	MAY 26	31.26	AUG 25	34.30

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	33.37	FEB 16	33.90	MAY 19	33.30	AUG 3	34.14

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	31.24	FEB 15	34.33	JUN 8	38.90	SEP 26	36.65

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

TISHOMINGO COUNTY--Continued

344017088180403. Local number J19. (USCE 31B)

LOCATION.--Lat 34°40'17", long 88°18'04", Hydrologic Unit 03160101, SW¼SE¼ sec.10, T.5 S., R.9 E., 2.0 mi (3.2 km) northwest of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 74 ft (22.6 m), cased to 64 ft (19.5 m).

DATUM.--Land-surface datum is about 473 ft (144.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.6 ft (0.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.80 ft (1.74 m) below land-surface datum, May 20, 1975; lowest measured, 9.66 ft (2.94 m) below land-surface datum, September 30, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 22	7.54	APR 19	7.45	JUN 19	8.13	SEP 6	8.78

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	8.87	JAN 24	7.51	MAR 1	6.83	MAR 22	6.52	APR 25	5.85	JUL 12	6.55
DEC 8	6.70										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	6.09	MAR 13	6.13	APR 9	6.23	MAY 25	5.98	JUN 26	6.19	AUG 29	6.99

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	6.58	6.14	6.11	6.07	6.52	6.39	7.04
10	---	---	---	---	---	6.54	6.00	---	6.19	6.43	6.57	6.98
15	---	---	---	---	---	6.15	6.11	5.97	6.06	6.61	6.66	6.97
20	---	---	---	---	---	6.14	6.19	5.80	6.33	6.64	6.75	6.81
25	---	---	---	---	---	6.18	6.17	5.99	6.39	6.62	6.80	6.61
EOM	---	---	---	---	---	5.87	6.01	5.90	6.46	6.72	6.88	6.67

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	6.74	6.59	6.46	6.37	6.34	6.07	5.95	6.54	6.48	6.99	7.53	7.81
10	6.73	6.35	6.43	6.37	6.21	5.92	6.17	6.48	6.52	7.13	7.65	7.91
15	6.74	6.49	6.57	6.29	6.32	5.97	6.12	6.18	6.68	7.21	7.70	7.99
20	6.47	6.43	6.57	6.32	5.98	5.94	6.19	6.44	6.72	7.36	7.80	8.00
25	6.49	6.49	6.51	6.11	6.11	5.98	6.19	6.46	6.81	7.38	7.88	8.13
EOM	6.57	6.43	6.29	6.13	6.01	5.84	6.42	6.45	6.84	7.37	7.89	8.12

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.21	8.05	8.05	8.01	8.04	---	---	---	8.24	---	8.95	9.24
10	8.25	7.97	8.13	7.94	8.12	---	---	---	8.35	---	8.95	9.33
15	8.26	8.00	8.00	7.77	8.11	---	---	---	8.41	---	9.03	9.35
20	8.32	8.02	8.01	7.92	---	---	---	8.05	8.48	---	9.04	9.35
25	8.15	8.15	8.06	7.84	---	---	---	8.14	---	---	9.13	9.32
EOM	7.94	8.09	8.04	8.03	---	---	---	8.09	---	---	9.22	8.92

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	8.99	8.50	7.71	8.21	7.98	8.21	8.06	7.93	8.05	8.45	8.95	9.35
10	8.74	8.60	8.24	8.22	7.93	7.97	8.02	7.61	7.93	8.56	9.00	9.44
15	8.82	8.59	7.97	8.10	8.05	7.83	8.12	7.56	8.08	8.53	9.07	9.50
20	8.91	8.39	7.99	7.96	8.05	7.97	8.06	7.83	8.13	8.68	9.18	9.58
25	8.80	8.12	8.05	7.77	8.10	7.83	8.06	7.90	8.20	8.77	9.23	9.64
EOM	8.65	7.96	8.05	7.97	8.10	7.99	8.10	7.95	8.34	8.82	9.32	9.66

TISHOMINGO COUNTY--Continued

344041088172602. Local number J20. (USCE 32A)

LOCATION.--Lat 34°40'41", long 88°17'26", Hydrologic Unit 03160101, NW¼NW¼ sec.6, T.5 S., R.10 E., 1.9 mi (3.1 km) northwest 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 (10.2 cm), depth 240 ft (73.2 m), cased to 230 ft (70.1 m).

DATUM.--Land-surface datum is about 530 ft (161.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.3 ft (0.4 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 62.90 ft (19.2 m) below land-surface datum, June 9, 1976; lowest measured, 84.92 ft (25.9 m) below land-surface datum, November 16, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 29	67.40	APR 19	67.29	JUN 19	70.35	SEP 6	72.31

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	71.23	JAN 24	70.52	MAR 1	70.31	MAR 22	70.04	APR 25	69.44
								JUL 12	69.64

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 7	67.17	MAR 13	67.11	APR 9	67.01	MAY 23	69.88	JUN 20	70.04
								AUG 29	65.20

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 25	67.99	SEP 24	68.20

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	68.24	JUN 9	62.90	AUG 25	65.94

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	66.11	MAY 19	66.05	AUG 3	65.75

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	84.92	FEB 15	67.30	JUN 13	68.00	SEP 26	69.70

344041088172603. Local number J21. (USCE 32B)

LOCATION.--Lat 34°40'41", long 88°17'26", Hydrologic Unit 03160101, NW¼NW¼ sec.6, T.5 S., R.10 E., 1.9 mi (3.1 km) northwest of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 112 ft (34.1 m), cased to 102 ft (31.1 m).

DATUM.--Land-surface datum is about 530 ft (161.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.6 ft (0.2 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 61.33 ft (18.7 m) below land-surface datum, April 26, 1973; lowest measured, 104.08 ft (31.7 m) below land-surface datum, September 26, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 29	63.16	APR 19	63.20	JUN 19	63.75	SEP 6	64.17

344041088172603. Local number J21. (USCE 32B)--Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17 DEC 8	64.22 63.64	JAN 24	63.03	MAR 1	62.52	MAR 22	61.93	APR 26	61.33	JUL 12	62.01

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 7	61.50	MAR 13	61.53	APR 9	61.70	MAY 23	61.62	JUN 20	61.74	AUG 29	62.40

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 25	61.68	SEP 24	62.12

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 9	62.83	JUN 9	88.96	AUG 25	93.44

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	93.64	MAY 19	95.30	AUG 3	92.21

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	67.56	FEB 15	97.58	JUN 15	103.78	SEP 26	104.08

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 20	51.78	SEP 22	51.94	SEP 28	52.61

DATE		WATER LEVEL	DATE		WATER LEVEL	DATE		WATER LEVEL	DATE		WATER LEVEL						
NOV DEC	3 1	51.21 51.23	DEC JAN	14 20	50.85 50.51	FEB MAR	17 7	50.51 50.52	APR APR	19 19	50.55 50.55	JUN JUN	19 19	49.49 49.49	SEP SEP	6 6	50.24 50.24

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17 DEC 8	50.27 51.20	JAN 24	49.51	MAR 1	49.35	MAR 22	48.92	APR 25	48.35	JUL 12	48.49

TISHOMINGO COUNTY--Continued

344041088164401. Local number J8. (USCE 33A)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 11	46.71	APR 9	46.60	MAY 23	46.54	JUN 20	50.63	AUG 29	48.78

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 25	48.10	SEP 24	48.11

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 16	48.41	JUN 9	60.18	AUG 25	64.11

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	64.11	MAY 19	73.63	AUG 3	74.63

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	71.73	SEP 25	69.40

344041088164402. Local number J16. (USCE 33B)

LOCATION.--Lat 34°40'41", long 88°16'44", Hydrologic Unit 03160101, SE¼NE¼ sec.6, T.5 S., R.9 E., 1.3 mi (2.1 km) northwest of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 90 ft (27.4 m), cased to 85 ft (25.9 m).

DATUM.--Land-surface datum is about 515 ft (150 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.3 mi (0.1 m) above land-surface datum.

PERIOD OF RECORD.--August 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 49.93 ft (15.2 m) below land-surface datum, May 23, 1974; lowest measured, 56.86 ft (17.3 m) below land-surface datum, August 3, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 20	51.32	SEP 22	51.51	SEP 28	51.35

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 3	51.61	DEC 14	51.23	FEB 17	50.98	APR 19	51.07	JUN 19	51.54	SEP 6	52.01
DEC 1	51.78	JAN 20	50.97	MAR 7	50.99						

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	52.00	JAN 24	51.25	MAR 1	50.86	MAR 22	50.52	APR 25	49.95	JUL 12	50.23
DEC 8	52.03										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 13	49.98	APR 8	50.06	MAY 23	49.93	JUN 20	50.10	AUG 28	50.63

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

TISHOMINGO COUNTY--Continued

344041088164402. Local number J16. (USCE 33B)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 25	50.24	SEP 24	50.34

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 16	50.28	JUN 9	53.56	AUG 25	54.83

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	55.53	MAY 19	56.39	AUG 3	56.86

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	56.85	SEP 25	56.15

344041088164403. Local number J17. (USCE 33C)

LOCATION.--Lat 34°40'41", long 88°16'44", Hydrologic Unit 03160101, SE¼NE¼ sec.6, T.5 S., R.9 E., 1.3 mi (2.1 km) northwest 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 2 in (5.1 cm), depth 212 ft (64.6 m), cased to 192 ft (58.5 m).

DATUM.--Land-surface datum is about 515 ft (157 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.5 ft (0.2 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR THE PERIOD OF RECORD.--Highest water level measured, 42.20 ft (12.9 m) below land-surface datum, April 9, 1974; lowest measured, 79.34 ft (24.2 m) below land-surface datum, August 3, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	WATER LEVEL
SEP 28	47.88

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 3	46.82	DEC 14	46.55	FEB 18	45.90	APR 19	45.75	JUN 19	47.26	SEP 6	48.50
DEC 1	46.78	JAN 25	46.15	MAR 7	45.92						

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	48.63	JAN 24	47.91	MAR 1	47.81	MAR 22	47.34	APR 25	47.97	JUL 12	47.00
DEC 8	48.26										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 13	44.30	APR 9	42.20	MAY 23	44.07	JUN 20	48.97	AUG 29	45.78

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	45.92	NOV 27	47.08	DEC 17	47.17	FEB 8	46.81	JUN 25	46.04	SEP 24	47.82

TISHOMINGO COUNTY--Continued

344041088164403. Local number J17. (USCE 33C)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 16	48.24	MAR 4	74.88	JUN 9	64.02	AUG 25	68.66

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	67.82	FEB 16	72.84	MAY 19	78.84	AUG 3	79.34

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	75.62	JUN 8	77.50	SEP 25	73.60

344053088161202. Local number J13. (USCE 34A)

LOCATION.--Lat 34°40'53", long 88°16'12", Hydrologic Unit 03160101, NE¼NW¼ sec.5, T.5 S., R.10 E., 1.8 mi (2.9 km) 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 (10.2 cm), depth 266 ft (81.1 m), cased to 256 ft (78 m).

DATUM.--Land-surface datum is about 560 ft (170.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.0 ft (0.3 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 82.17 ft (25 m) below land-surface datum, March 13, 1974; lowest measured 117.63 ft (35.8 m) below land-surface datum, August 5, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	85.30	---	---	---	---	---	---
10	---	---	---	---	---	85.32	---	---	---	---	---	---
15	---	---	---	---	---	85.18	---	---	---	---	---	---
20	---	---	---	---	---	81.13	---	---	---	---	---	---
25	---	---	---	---	85.20	---	---	---	---	---	---	---
EOM	---	---	---	---	85.19	---	---	---	---	---	---	---

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	---	---	116.06	116.01	117.63	117.27
10	---	102.67	---	---	---	---	---	---	116.06	116.01	117.48	117.35
15	---	104.65	---	---	---	---	---	---	116.01	116.35	117.48	117.07
20	---	107.48	---	---	---	---	---	116.16	116.01	117.08	117.38	117.00
25	---	108.97	---	---	---	---	---	116.11	116.01	117.43	117.05	116.97
EOM	---	112.85	---	---	---	---	---	116.11	116.01	117.43	117.28	116.15

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	116.45	114.13	112.86	---	---	---	---	---	---	109.13	105.32	107.04
10	115.94	114.23	113.16	---	---	---	---	---	111.44	108.30	105.16	107.16
15	115.72	114.01	---	---	112.90	---	---	---	111.41	107.52	105.44	107.32
20	115.41	113.84	---	---	113.99	---	---	---	110.35	106.11	106.01	107.36
25	114.83	113.57	---	---	---	---	---	---	109.78	105.42	106.45	106.92
EOM	114.22	113.31	---	---	---	---	---	---	109.48	105.28	106.73	107.23

TISHOMINGO COUNTY--Continued

344053088161203. Local number J14. (USCE 34B)

LOCATION.--Lat 34°40'53", long 88°16'12", Hydrologic Unit 03160101, NE¼NW¼ sec.5, T.5 S., R.10 E., 1.8 mi (2.9 km) north of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 134 ft (40.8 m), cased to 129 ft (39.3 m).

DATUM.--Land-surface datum is about 560 ft (170.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.65 ft (0.5 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.67 ft (21.2 m) below land-surface datum, May 23, 1974; lowest measured, 74.13 ft (22.6 m) below land-surface datum, October 17, 1973.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 2	73.25	SEP 28	73.52

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 3	73.79	DEC 14	73.62	FEB 17	73.20	APR 19	73.22	JUN 19	73.30	SEP 6	73.95
DEC 1	74.03	JAN 20	73.30	MAR 7	73.12						

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	74.13	JAN 24	73.60	MAR 1	72.83	MAR 22	72.40	APR 25	71.16	JUL 12	70.14
DEC 8	73.95										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 13	70.10	APR 9	69.97	MAY 23	69.67	JUN 20	69.70	AUG 29	70.38

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	70.86	NOV 27	73.05	DEC 17	72.05	FEB 8	71.96	JUN 25	70.38	SEP 24	70.98

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 4	71.26	MAY 26	71.12	JUN 9	71.23	AUG 25	72.02

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	72.86	FEB 16	73.55	MAY 19	73.13	AUG 3	73.75

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	73.94	FEB 15	73.26	JUN 8	72.05	SEP 26	72.68

TISHOMINGO COUNTY--Continued

344053088161204. Local number J15. (USCE 34C)

LOCATION.--Lat 34°40'53", long 88°16'12", Hydrologic Unit 03160101, NE¼NW¼ sec.5, T.5 S., R.10 E., 1.8 mi (2.9 km) north of Paden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 100 ft (30.5 m), cased to 95 ft (29 m).

DATUM.--Land-surface datum is about 560 ft (170.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.2 ft (0.1 m) above land-surface datum.

PERIOD OF RECORD.--September 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 69.42 ft (21.2 m) below land-surface datum, June 20, 1974; lowest measured, 75.22 ft (22.9 m) below land-surface datum, October 17, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	WATER LEVEL	DATE	WATER LEVEL
SEP 2	73.29	SEP 28	73.53

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 3	73.86	DEC 14	73.62	FEB 17	73.52	APR 19	73.35	JUN 19	73.28	SEP 6	74.10
DEC 1	74.29	JAN 20	73.40	MAR 7	73.40						

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	75.22	JAN 24	73.81	MAR 1	73.00	MAR 22	72.70	APR 25	71.38	JUL 12	70.03
DEC 8	74.01										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	70.42	MAR 13	69.99	APR 9	69.83	MAY 23	69.74	JUN 20	69.42	AUG 29	69.93

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	70.53	NOV 27	70.99	DEC 17	71.04	FEB 8	71.24	JUN 25	69.64	SEP 24	70.27

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 24	70.51	MAR 4	74.88	MAY 26	70.39	AUG 25	71.28

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	71.89	FEB 16	72.84	MAY 19	72.55	AUG 3	73.13

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	73.40	FEB 15	72.83	JUN 8	71.60	SEP 26	71.94

TISHOMINGO COUNTY--Continued

344110088151002. Local number G13. (USCE 35A)

LOCATION.--Lat 34°41'10", long 88°15'10", Hydrologic Unit 03160101, NE¼SW¼ sec.33, T.4 S., R.10 E., 2.0 mi (3.2 km) northeast 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 (10.2 cm), depth 300 ft (91.4 m), cased to 260 ft (79.2 m).

DATUM.--Land-surface datum is about 600 ft (182.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.3 ft (0.1 m) above land-surface datum.

PERIOD OF RECORD.--July 1971 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 106.68 ft (32.5 m) below land-surface datum, May 23, 1974; lowest measured, 123.70 ft (37.7 m) below land-surface datum, June 8, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	WATER LEVEL
JUL 21 1971	109.19

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7 1971	108.39	DEC 1 1971	108.28	FEB 17 1972	107.13	APR 19 1972	106.99	JUN 19 1972	107.84	SEP 6 1972	109.01
NOV 3 1971	108.25	DEC 14 1971	107.81	MAR 7 1972	107.14						

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17 1972	109.32	JAN 24 1973	108.47	MAR 1 1973	108.07	MAR 22 1973	107.77	APR 25 1973	107.17	JUL 12 1973	107.61
DEC 8 1972	108.93										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 13 1974	107.86	APR 9 1974	106.75	MAY 23 1974	106.68	JUN 20 1974	107.03	AUG 29 1974	107.85

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11 1974	108.16	NOV 27 1974	108.30	DEC 17 1974	108.44	FEB 8 1975	108.17	JUN 25 1975	107.74	SEP 24 1975	108.22

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 9 1975	108.16	MAR 4 1976	107.99	MAY 26 1976	112.60	AUG 25 1976	115.19

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10 1976	115.75	FEB 16 1977	119.31	MAY 19 1977	121.10	AUG 3 1977	122.26

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16 1977	121.28	FEB 15 1978	120.59	JUN 8 1978	123.70

TISHOMINGO COUNTY--Continued

344110088151003. Local number G14. (USCE 35B)
 LOCATION.--Lat 34°41'10", long 88°15'10", Hydrologic Unit 03160101, NE¼SW¼ sec.33, T.4 S., R.10 E., 2.0 mi (3.2 km) northeast of Paden.
 Owner: U.S. Army, Corps of Engineers.
 AQUIFER.--Sands of Eutaw of late Cretaceous age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 203 ft (61.9 m), cased to 198 ft (60.4 m).
 DATUM.--Land-surface datum is about 600 ft (182.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.5 ft (0.2 m) above land-surface datum.
 PERIOD OF RECORD.--July 1971 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 98.22 ft (29.9 m) below land-surface datum, March 6, 1976; lowest measured, 101.97 (31.1 m) below land surface datum, November 3, 1971.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	WATER LEVEL
JUL 21	101.55

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 7	101.58	DEC 1	101.80	FEB 17	100.89	APR 19	101.00	JUN 19	100.97	SEP 6	101.33
NOV 3	101.97	DEC 14	101.74	MAR 7	101.06						

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	101.49	JAN 24	100.78	MAR 1	100.56	MAR 22	99.73	APR 25	99.74	JUL 12	99.40
DEC 8	101.53										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 13	99.08	APR 9	99.18	MAY 23	99.88	JUN 20	98.90	AUG 29	99.18

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	99.60	NOV 27	99.84	DEC 17	99.79	FEB 8	99.33	JUN 25	98.61	SEP 24	98.90

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 9	98.67	MAR 6	98.22	MAY 26	98.25	AUG 25	98.94

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	99.39	FEB 16	99.61	MAY 19	99.19	AUG 3	99.74

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	99.76	FEB 15	99.31	JUN 8	98.90	SEP 26	99.95

343936088161901. Local number J10.
 LOCATION.--Lat 34°39'36", long 88°16'19", Hydrologic Unit 03160101, NW¼SE¼ sec.8, T.5 S., R.10 E., in Paden.
 Owner: Irwin Schwabe Co. (Formerly Paden Water District)
 AQUIFER.--Sand and gravel of Gordo Formation of Tuscaloosa Group of late Cretaceous age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 10 in (25.4 cm), depth 181 ft (55.2 m), cased to 1.65 ft (51.5 m).
 DATUM.--Land-surface datum is about 420 ft (128 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.69 ft (0.5 m) above land-surface datum.
 PERIOD OF RECORD.--July 1971 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.2 ft (5.9 m) above land-surface datum, March 13, 1974; lowest measured, 3.32 ft (1 m) above land-surface datum, May 19, 1977.

TISHOMINGO COUNTY--Continued

343936088161901. Local number J10.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 1	-13.00	SEP 10	-14.60

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 20	-18.20	FEB 17	-17.90

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL
MAR 13	-19.20

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	-16.00	DEC 17	-16.00	FEB 8	-16.20	MAY 9	-17.00

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 17	-18.00	APR 1	-14.40	MAY 19	-9.85

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 16	-3.51	MAY 19	-3.32	AUG 3	-3.70

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

No observations made.

343150088183702. Local number L31. (USCE 45A)

LOCATION.--Lat 34°31'50", long 88°18'37", Hydrologic Unit 03160101, SW¼NW¼ sec.25, T.6 S., R.9 E., 8.5 mi (13.7 km) southwest of Tishomingo.

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 (10.2 cm), depth 92 ft (28 m), cased to 82 ft (25.0 m).

DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.1 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 76.62 ft (23.4 m) below land-surface datum, May 18, 1977; lowest measured, 80.39 ft (24.5 m) below land-surface datum, May 23, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 23	80.39	JUN 21	79.36	SEP 6	80.09

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	80.24	JAN 24	79.13	MAR 22	78.33	APR 25	77.99	MAY 31	78.10
DEC 7	79.63	MAR 1	78.86						

TISHOMINGO COUNTY--Continued

343150088183702. Local number L31. (USCE 45A)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	78.07	MAR 13	78.08	APR 10	78.05	MAY 23	78.03	JUN 20	78.03	AUG 29	78.59

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	78.78	DEC 17	78.68	FEB 8	78.90	JUN 25	78.17	SEP 24	79.23

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 13	78.15	MAR 4	78.03	JUN 9	78.42	AUG 19	78.84

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	78.69	FEB 16	78.63	MAY 18	76.62	JUL 28	79.16

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	79.04	FEB 15	76.69	JUN 9	78.60	SEP 25	79.53

343150088183703. Local number L32. (USCE 45B)

LOCATION.--Lat 34°31'50", long 88°18'37", Hydrologic Unit 03160101, SW¼NW¼ sec.25, T.6 S., R.9 E., 8.5 mi (13.7 km) southwest of Tishomingo.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--McShan sand member of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 76 ft (23.2 m), cased to 66 ft (20.1 m).

DATUM.--Land-surface datum is about 485 ft (147.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.1 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 52.62 ft (16 m) below land-surface datum, May 31, 1973; lowest measured, 56.26 ft (17.1 m) below land-surface datum, October 17, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 23	55.46	JUN 21	55.54	SEP 6	55.98

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	56.26	JAN 24	55.34	MAR 22	53.63	APR 25	52.74	MAY 31	52.62
DEC 7	56.13	MAR 1	54.55					JUL 12	52.80

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 11	53.05	APR 10	53.00	MAY 23	52.86	JUN 20	52.80	AUG 29	53.28

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	53.42	DEC 17	54.33	FEB 8	53.87	JUN 26	53.12
						SEP 24	53.67

TISHOMINGO COUNTY--Continued

343150088183703. Local number L32. (USCE 45B)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 13	53.55	MAR 4	53.55	JUN 9	53.28	AUG 19	53.72

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	54.25	FEB 16	54.57	MAY 18	53.96	JUL 28	54.59

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	55.17	FEB 15	54.96	JUN 9	54.30	SEP 25	54.60

342854088194101. Local number L29. (USCE 54A)

LOCATION.--Lat 34°28'54", long 88°19'41", Hydrologic Unit 03160101, SW¼SW¼ sec.11, T.7 S., R.9 E., 15.8 mi (25.4 km) southeast of Baldwyn.

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 (10.2 cm), depth 27 ft (8.2 m), cased to 22 ft (6.7 m).

DATUM.--Land-surface datum is about 332 ft (101.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.9 ft (0.6 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.35 ft (0.1 m) above land-surface datum, April 25, 1973; lowest measured, 6.97 ft (2.1 m) below land-surface datum, September 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	-4.06	1.16	---	---	0.44	---	-2.51	-3.87	-1.17	-4.72
10	---	---	-2.46	---	---	-1.79	0.44	-1.57	-1.39	-3.64	-2.23	-3.37
15	---	-5.05	-2.17	---	---	1.43	0.44	-2.15	0.40	-3.87	-3.07	-3.10
20	---	-4.83	-2.23	---	---	1.34	0.44	-1.45	0.40	-4.27	-3.09	---
25	---	-4.50	0.42	---	---	1.31	0.47	-2.39	0.40	-3.84	-3.66	-2.54
EOM	---	-4.18	1.16	---	---	1.44	---	-1.60	-3.43	-2.70	-4.29	-2.93

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-2.99	-2.99	-2.18	-0.27	-2.27	-2.68	1.46	1.46	-0.78	-3.34	-4.93	-3.49
10	-3.10	-1.81	-2.49	-0.29	-2.06	0.01	1.46	1.46	-1.99	-3.71	-5.17	-3.74
15	-3.44	-1.95	-2.73	-1.50	-2.40	-0.78	1.46	1.46	-2.85	-3.85	-5.43	-4.13
20	-1.16	-2.44	-2.52	-2.15	0.28	-1.35	1.46	1.46	-2.53	-4.18	-5.48	-4.48
25	-2.21	-2.40	-2.81	-1.64	0.18	1.46	1.46	1.46	-3.10	-4.53	-5.68	-4.76
EOM	-2.50	-2.04	-0.29	-2.32	-2.25	1.46	1.46	-2.07	-2.78	-4.73	-3.17	-4.87

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-5.05	-3.24	-2.01	-1.18	-2.05	---	---	---	-4.20	-4.99	-5.98	-7.00
10	-5.04	-3.40	-2.17	0.48	-2.32	---	---	---	-4.52	-5.28	-6.13	-7.11
15	-5.15	-3.47	-1.64	0.05	-2.15	---	---	---	-4.64	-5.47	-6.30	-7.20
20	-5.23	-3.47	-1.79	-1.25	---	---	---	-3.64	-4.04	-5.61	-6.47	-7.25
25	-4.97	-3.45	-1.42	-1.12	---	---	---	-3.95	-4.44	-5.68	-6.64	-7.30
EOM	-3.54	-1.85	-1.02	-1.75	---	---	---	-4.13	-4.76	-5.87	-6.84	-1.66

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	-2.59	-1.05	-0.20	-1.90	-1.16	-1.64	-2.50	-3.02	-2.25	-3.30	-5.26	-6.45
10	-2.12	-1.53	-0.75	-1.01	-1.67	-0.79	-2.90	0.38	0.08	-3.86	-5.44	-6.64
15	-2.61	-2.00	-1.04	-1.32	-1.84	0.58	-2.83	-0.62	-1.67	-4.21	-5.61	-6.75
20	-3.06	-1.09	-0.99	-0.91	-2.11	-0.72	-2.94	-1.54	-1.86	-4.60	-5.81	-6.86
25	-3.32	-0.03	-1.51	0.30	-2.36	-1.41	-3.23	-1.78	-2.68	-4.91	-6.04	-6.97
EOM	-1.47	0.55	-1.59	-0.55	-2.40	-2.00	-3.50	-1.21	-3.36	-5.08	-6.26	-7.10

TISHOMINGO COUNTY--Continued

342854088194702. Local number L33. (USCE 54B)

LOCATION.--Lat 34°28'54", long 88°19'47", Hydrologic Unit 03160101, SW¼SE¼ sec.11, T.7 S., R.9 E., 15.8 mi (25.4 km) southeast of Baldwyn.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 12 ft (3.7 m).

DATUM.--Land-surface datum is about 332 ft (101.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.3 ft (0.1 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.20 ft (0.1 m) above land-surface datum, April 25, 1973; lowest measured, 7.35 ft (2.2 m) below land-surface datum, September 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 22	2.86	JUN 21	4.80	SEP 3	6.91

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	6.45	JAN 24	0.40	MAR 23	0.56	APR 25	-0.20	MAY 31	2.11	JUL 12	3.80
DEC 7	1.32	MAR 1	1.39								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	0.19	MAR 14	1.66	APR 10	0.78

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	5.82	DEC 17	2.27	FEB 9	0.84	JUN 26	3.01	JUL 30	2.61	SEP 24	2.94

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 13	0.54	MAR 9	0.25	MAY 26	2.16	JUN 9	1.16	AUG 19	5.70

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	3.53	FEB 16	2.80	MAY 18	3.63	JUL 28	6.06

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	0.99	FEB 15	1.53	JUN 9	0.45	SEP 25	7.35

342854088194103. Local number L34. (USCE 54C)

LOCATION.--Lat 34°28'40", long 88°19'41", Hydrologic Unit 03160101, SW¼SW¼ sec.11, T.7 S., R.9 E., 8.1 mi (13.0 km) west of Golden.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 13 ft (4 m), cased to 8 ft (2.4 m).

DATUM.--Land-surface datum is about 333 ft (101.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.4 ft (0.4 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.62 ft (0.2 m) below land-surface datum, March 9, 1976; lowest measured, 7.46 ft (2.3 m) below land-surface datum, September 25, 1978.

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

TISHOMINGO COUNTY--Continued

342854088194103. Local number L34. (USCE 54C)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 21	5.32	SEP 6	7.60

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	7.05	JAN 24	1.08	MAR 23	1.28	APR 25	0.72	MAY 31	2.69	JUL 12	4.16
DEC 7	1.95	MAR 1	2.04								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	0.79	MAR 14	2.27	APR 10	1.57

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	5.84	DEC 17	2.89	FEB 9	1.49	JUN 25	3.61	JUL 30	3.14	SEP 25	3.02

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 13	1.28	MAR 9	0.62	MAY 26	2.52	JUN 9	2.41	AUG 19	3.86

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	3.88	FEB 16	2.07	MAY 18	3.94	JUL 28	6.54

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	1.25	FEB 15	2.06	JUN 9	0.30	SEP 25	7.46

342844088184701. Local number L30. (USCE 55A)

LOCATION.--Lat 34°28'44", long 88°18'47", Hydrologic Unit 03160101, SE¼SE¼ sec.11, T.7 S., R.9 E., 7 mi (11.3 km) west of Golden.

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 (10.2 cm), depth 50 ft (15.2 m), cased to 45 ft (13.7 m).

DATUM.--Land-surface datum is about 380 ft (115.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.3 ft (0.4 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.08 ft (6.1 m) below land-surface datum, January 10, 1976; lowest measured, 22.83 ft (7 m) below land-surface datum, October 17, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	21.44	20.60	20.62	---	---	21.10	21.35	21.78	21.09	21.98
10	---	---	21.12	20.35	---	---	---	20.97	21.09	21.55	21.36	21.69
15	---	21.75	21.12	20.59	---	---	20.97	21.10	20.89	21.80	21.62	21.62
20	---	21.49	21.09	20.49	---	---	21.01	21.01	21.29	21.65	21.60	21.48
25	---	21.53	20.86	20.50	---	---	20.99	21.31	21.55	21.21	21.78	21.33
EOM	---	21.33	20.44	20.76	---	---	21.04	21.06	21.71	21.44	21.89	21.49

TISHOMINGO COUNTY--Continued

342844088184701. Local number L30. (USCE 55A)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.54	20.88	20.61	20.12	---	---	---	---	---	---	---	---
10	21.42	20.65	20.61	20.08	---	---	---	---	---	---	---	---
15	21.42	20.65	20.62	---	---	---	---	---	---	---	---	---
20	20.88	20.65	20.62	---	---	---	---	---	---	---	---	---
25	20.88	20.65	20.62	---	---	---	---	---	---	---	---	---
EOM	20.88	20.60	20.23	---	---	---	---	---	---	---	---	---

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	21.41	21.12	21.18	---	---	---	21.77	22.10	22.19	22.73
10	---	21.63	21.48	20.99	21.22	---	---	---	21.92	22.19	22.33	22.70
15	---	21.63	21.21	20.81	21.18	---	---	---	21.89	22.22	22.47	22.66
20	---	21.58	21.18	21.03	---	---	---	21.67	21.68	22.27	22.48	22.56
25	---	21.65	21.16	20.95	---	---	---	21.67	21.87	22.05	22.63	21.87
EOM	---	21.37	21.18	21.15	---	---	---	21.68	21.98	22.06	22.72	21.87

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.87	21.65	---	---	---	21.19	21.16	21.20	---	---	---	---
10	21.87	21.25	---	---	---	20.87	21.25	---	---	---	---	---
15	21.87	---	---	---	21.19	20.93	21.38	---	---	---	---	---
20	21.46	---	---	---	21.18	21.07	21.45	---	---	---	---	---
25	21.61	---	---	---	21.29	21.13	21.41	---	---	---	---	22.62
EOM	21.36	---	---	---	21.12	21.27	21.08	---	---	---	---	22.66

PRENTISS COUNTY

343152088213002. Local number M21. (USCE 41A)

LOCATION.--Lat 34°31'52", long 88°21'30", Hydrologic Unit 03160101, SE¼NW¼ sec.28, T.6 S., R.9 E., 16 mi (25.7 km) east of Baldwyn.

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 (10.2 cm), depth 226 ft (68.9 m), cased to 206 ft (62.8 m).

DATUM.--Land-surface datum is about 480 ft (146.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.4 ft (0.4 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 134.65 ft (41 m) below land-surface datum, July 12, 1973; lowest measured, 143.33 ft (43.7 m) below land-surface datum, September 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	139.03	138.87	138.83	138.96	138.90	138.84	138.89	139.19	139.18	139.60
10	---	---	138.95	138.76	138.83	138.94	138.82	138.90	138.90	139.13	139.32	139.60
15	---	---	138.94	138.82	138.82	138.84	138.89	138.78	138.87	139.22	139.37	139.60
20	---	---	138.89	138.79	138.78	138.81	138.92	138.78	139.06	139.32	139.40	139.51
25	---	139.02	138.88	138.78	138.75	138.86	138.88	138.88	139.15	139.21	139.45	139.51
EOM	---	139.01	138.82	138.83	138.77	138.72	138.84	138.81	139.13	139.25	139.52	139.59

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	139.66	139.64	139.61	139.54	139.55	139.51	139.53	139.88	139.81	139.93	140.32	140.51
10	139.62	139.50	139.56	139.61	139.53	139.44	139.68	139.86	139.87	140.05	140.37	140.56
15	139.64	139.61	139.63	139.59	139.61	139.48	139.68	139.59	139.91	140.05	140.38	140.62
20	139.52	139.65	139.68	139.61	139.43	139.46	139.71	139.80	139.81	140.17	140.49	140.61
25	139.55	139.64	139.62	139.44	139.59	139.50	139.68	139.74	139.90	140.19	140.54	140.66
EOM	139.65	139.60	139.51	139.46	139.51	139.43	139.83	139.73	139.86	140.20	140.54	140.58

PRENTISS COUNTY--Continued

343152088213002. Local number M21. (USCE 41A)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	140.65	140.74	140.76	140.73	140.95	---	---	---	141.17	141.37	141.85	142.24
10	140.68	140.72	140.84	140.82	140.98	---	---	---	141.19	141.38	141.91	142.29
15	140.72	140.76	140.73	140.85	140.94	---	---	---	141.23	141.49	141.99	142.27
20	140.78	140.72	140.76	140.86	---	---	---	141.06	141.18	141.52	142.00	142.23
25	140.69	140.74	140.62	140.74	---	---	---	141.11	141.23	141.53	142.09	142.21
EOM	140.68	140.74	140.79	140.92	---	---	---	141.11	141.29	141.77	142.20	142.00

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	142.18	142.02	141.87	142.11	142.16	142.13	142.13	142.05	142.18	142.29	142.73	143.04
10	142.07	142.15	142.18	142.15	142.07	141.98	142.07	142.00	142.10	142.43	142.79	143.10
15	142.15	142.18	142.00	142.07	142.07	141.90	142.12	141.92	142.22	142.44	142.79	143.17
20	142.18	142.13	141.95	142.02	142.05	142.09	142.04	142.10	142.20	142.57	142.89	143.23
25	142.15	142.04	142.02	141.87	142.10	142.00	142.08	142.14	142.21	142.64	142.95	143.33
EOM	142.08	141.96	142.00	142.11	142.07	142.09	142.09	142.13	142.31	142.65	143.02	143.33

343152088213003. Local number M22. (USCE 41B)

LOCATION.--Lat 34°31'52", long 88°21'30", Hydrologic Unit 03160101, SE¼NW¼ sec.28, T.6 S., R.9 E., 16 mi (25.7 km) east of Baldwyn.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 176 ft (53.6 m), cased to 166 ft (50.6 m).

DATUM.--Land-surface datum is about 480 ft (146.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.7 ft (0.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 71.76 ft (21.9 m) below land-surface datum, June 26, 1975; lowest measured, 77.33 ft (23.6 m) below land-surface datum, December 7, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 23	76.31	JUN 21	76.62	SEP 6	76.83

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	77.05	JAN 24	76.84	MAR 22	75.55	APR 25	74.00	MAY 31	73.49	JUL 12	72.98
DEC 7	77.33	MAR 1	75.92								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	73.52	MAR 13	72.97	APR 10	72.72	MAY 23	72.19	JUN 20	72.14	AUG 29	72.43

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	72.98	DEC 17	73.61	FEB 8	73.23	JUN 26	71.76	SEP 24	72.47

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 3	72.54	MAR 9	72.39	JUN 9	71.95	AUG 26	72.50

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	73.17	FEB 16	74.03	MAY 18	73.27	JUL 28	73.85

PRENTISS COUNTY--Continued

343152088213003. Local number M22. (USCE 41B)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	74.64	FEB 15	74.40	JUN 9	73.70	SEP 25	73.92

343150088205801. Local number M26. (USCE 42A)

LOCATION.--Lat 34°31'50", long 88°20'58", Hydrologic Unit 03160101, NE¼NE¼ sec.28, T.6 S., R.9 E., 16.3 mi (26.2 km) east of Baldwyn.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 69 ft (21 m), cased to 59 ft (18 m).

DATUM.--Land-surface datum is about 420 ft (128 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.7 ft (0.8 m).

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.40 ft (5.9 m) below land-surface datum, May 26, 1976; lowest measured, 22.43 ft (44.9 m) below land-surface datum, November 17, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 13	20.16	MAR 4	20.04	MAY 26	19.40

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	21.06	FEB 16	21.60	MAY 18	20.23	JUL 28	21.41

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	22.43	FEB 15	21.44	JUN 12	20.10	SEP 25	21.50

343150088205802. Local number M27. (USCE 42B)

LOCATION.--Lat 34°31'50", long 88°20'58", Hydrologic Unit 03160101, NE¼NE¼ sec.28, T.6 S., R.9 E., 16.3 mi (26.2 km) east of Baldwyn.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 49 ft (14.9 m), cased to 39 ft (11.9 m).

DATUM.--Land-surface datum is about 420 ft (128 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.9 m).

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 19.03 ft (5.8 m) below land-surface datum, May 26, 1976; lowest measured, 22.47 ft (6.8 m) below land-surface datum, November 17, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 13	20.07	MAR 4	19.54	MAY 26	19.03

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	21.13	FEB 16	21.60	MAY 18	20.23	JUL 28	21.46

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	22.47	FEB 15	21.40	JUN 12	19.90	SEP 25	21.40

PRENTISS COUNTY--Continued

343201088204701. Local number M23. (USCE 43A)
 LOCATION.--Lat 34°32'01", long 88°20'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi (22.5 km) southeast of Booneville.
 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 (10.2 cm), depth 170 ft (51.8 m), cased to 150 ft (45.7 m).
 DATUM.--Land-surface datum is about 460 ft (140.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.7 ft (0.2 m) above land-surface datum.
 PERIOD OF RECORD.--May 1972 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 116.43 ft (35.5 m) below land-surface datum, April 25, 1973; lowest measured, 122.55 ft (37.4 m) below land-surface datum, September 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 23	116.45	JUN 21	116.67	SEP 6	117.30

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	117.45	JAN 24	116.97	MAR 22	116.77	APR 25	116.43	MAY 31	116.62	JUL 12	116.93
DEC 7	117.27	MAR 1	116.96								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	117.33	MAR 13	117.40	APR 10	117.45	MAY 23	117.43	JUN 20	117.57	AUG 29	118.11

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	118.47	DEC 17	118.40	FEB 8	118.31	JUN 26	118.57	SEP 24	118.92

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 13	118.81	MAR 4	118.96	JUN 9	119.35	AUG 26	119.85

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	120.13	FEB 16	120.30	MAY 18	120.47	JUL 28	121.11

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	121.44	FEB 15	121.40	SEP 25	122.55

343201088204702. Local number M18. (USCE 43B)
 LOCATION.--Lat 34°32'01", long 88°20'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi (22.5 km) southeast of Booneville.
 Owner: U.S. Army, Corps of Engineers.
 AQUIFER.--McShan sand member of Eutaw of late Cretaceous age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 120 ft (36.6 m), cased to 110 ft (33.5 m).
 DATUM.--Land-surface datum is about 460 ft (140.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.2 ft (0.4 m) above land-surface datum.
 PERIOD OF RECORD.--May 1972 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 44.70 ft (13.6 m) below land-surface datum, June 9, 1976; lowest measured, 52.20 ft (15.9 m) below land-surface datum, December 7, 1972.

PRENTISS COUNTY--Continued

343201088204702. Local number M18. (USCE 43B)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 23	51.16	JUN 21	51.26	SEP 6	51.66

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	51.95	JAN 24	51.76	MAR 22	49.98	APR 25	48.07	MAY 31	46.87	JUL 12	46.50
DEC 7	52.20	MAR 1	50.65								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	47.07	MAR 13	46.11	APR 10	45.81	MAY 23	45.23	JUN 20	45.12	AUG 29	45.57

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	46.20	DEC 17	47.21	FEB 8	46.76	JUN 26	44.88	SEP 24	45.40

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 13	45.98	MAR 4	45.74	JUN 9	44.70	AUG 26	45.66

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	46.59	FEB 16	47.68	MAY 18	46.52	JUL 28	47.22

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	48.60	FEB 15	48.14	JUN 9	47.50

343201088204703. Local number M17. (USCE 43C)

LOCATION.--Lat 34°32'01", long 88°20'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi (22.5 km) southeast of Booneville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 90 ft (27.4 m), cased to 85 ft (25.9 m).

DATUM.--Land-surface datum is about 445 ft (135.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.2 ft (0.4 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.13 ft (8.3 m) below land-surface datum, May 15, 1976; lowest measured, 34.46 ft (10.5 m) below land-surface datum, December 7, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	30.81	30.86	30.17	28.90	27.63	27.16	27.34	27.65	28.04	28.36
10	---	---	30.85	30.60	30.31	---	27.31	27.26	27.43	27.73	28.10	28.39
15	---	---	30.85	30.62	---	---	27.34	27.18	27.40	27.90	28.13	28.46
20	---	---	30.97	30.54	---	28.46	27.38	27.23	27.56	27.91	28.23	28.50
25	---	30.73	31.10	30.24	---	28.39	27.17	27.31	27.59	27.97	28.22	28.55
EQM	---	30.67	30.85	30.34	---	27.81	27.21	27.29	27.64	28.04	28.27	28.56

PRENTISS COUNTY--Continued

343201088204703. Local number M17. (USCE 43C)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	28.58	28.77	28.94	29.12	28.66	28.37	27.64	27.17	27.43	27.73	28.10	---
10	28.65	28.84	28.97	29.01	28.55	28.31	27.56	27.15	27.43	27.81	---	---
15	28.68	28.82	28.95	28.97	28.59	28.12	27.38	27.13	27.52	27.87	---	---
20	28.74	28.69	28.97	28.83	28.51	28.02	27.20	27.26	27.55	27.97	---	---
25	28.72	28.84	28.92	28.59	28.43	27.89	27.25	27.21	27.61	27.97	---	---
EOM	28.72	29.06	29.06	28.55	28.33	27.81	27.17	27.25	27.66	28.05	---	---

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	---	---	29.13	29.50	30.04	30.46
10	---	---	---	---	---	---	---	---	29.22	29.58	30.09	30.56
15	---	---	---	---	---	---	---	---	29.29	29.69	30.16	30.63
20	---	---	---	---	---	---	---	28.96	29.30	29.75	30.21	30.68
25	---	---	---	---	---	---	---	28.99	29.34	29.83	30.33	30.69
EOM	---	---	---	---	---	---	---	29.08	29.43	29.92	30.42	30.69

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	30.79	30.97	30.93	30.54	30.52	30.50	30.04	30.10	29.33	29.10	29.40	29.85
10	30.81	31.13	31.06	30.75	30.44	30.42	29.94	29.86	29.28	29.10	29.44	29.94
15	30.88	31.05	30.70	30.68	30.50	30.41	30.00	29.54	29.18	29.10	29.55	30.03
20	30.94	31.15	30.71	30.68	30.39	30.20	30.01	29.50	29.11	29.19	29.65	30.08
25	30.91	31.13	30.66	30.39	30.43	30.15	29.97	29.44	29.07	29.22	29.69	30.14
EOM	31.00	30.98	30.59	30.59	30.36	30.07	29.95	29.36	29.08	29.32	29.82	---

343201088194701. Local number M25. (USCE 43D)

LOCATION.--Lat 34°32'01", long 88°19'47", Hydrologic Unit 03160101, NW¼NW¼ sec.27, T.6 S., R.9 E., 14 mi (22.5 km) southeast of Booneville.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 118 ft (36 m), cased to 108 ft (32.9 m).

DATUM.--Land-surface datum is about 460 ft (135.6 cm) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.8 ft (0.9 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 46.04 ft (14 m) below land-surface datum, July 28, 1977; lowest measured, 50.47 ft (15.4 m) below land-surface datum, November 17, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 13	48.02	MAR 4	47.75	JUN 9	46.57	AUG 26	47.29

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 10	48.60	FEB 16	49.58	MAY 18	48.34	JUL 28	46.04

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	50.47	FEB 15	49.91	JUN 9	48.80	SEP 25	49.36

PRENTISS COUNTY--Continued

342917088212701. Local number M20. (USCE 51A)

LOCATION.--Lat 34°29'17", long 88°21'27", Hydrologic Unit 03160101, SE¼NW¼ sec.9, T.7 S., R.9 E., 15.5 mi (24.9 km) southeast of Baldwyn.

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 (10.2 cm), depth 64 ft (19.5 m), cased to 59 ft (18 m).

DATUM.--Land-surface datum is about 356 ft (108.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.3 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.24 ft (9.2 m) below land-surface datum, April 25, 1973; lowest measured, 34.25 ft (10.4 m) below land-surface datum, September 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 23	31.59	JUN 21	32.62	SEP 6	33.76

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	33.95	JAN 24	30.67	MAR 23	30.57	APR 25	30.24	MAY 31	30.95	JUL 12	32.20
DEC 7	31.28	MAR 1	31.05								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	30.58	MAR 14	31.00	APR 10	30.92	MAY 23	31.03	JUN 20	31.35	AUG 29	33.08

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	32.53	DEC 17	31.24	FEB 8	31.03	JUN 26	31.73	SEP 24	31.20

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 13	30.77	MAR 9	30.68	JUN 9	31.44	AUG 19	32.74

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	31.74	FEB 16	31.45	MAY 18	32.06	JUL 28	33.63

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	31.27	FEB 15	31.33	JUN 9	31.10	SEP 25	34.25

342911088205201. Local number M19. (USCE 52A)

LOCATION.--Lat 34°29'11", long 88°20'52", Hydrologic Unit 03160101, NE¼SE¼ sec.9, T.7 S., R.9 E., 15.6 mi (25.1 km) southeast of Baldwyn.

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 (10.2 cm), depth 40 ft (12.2 m), cased to 35 ft (10.7 m).

DATUM.--Land-surface datum is about 324 ft (98.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.3 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.2 ft (0.1 m) above land-surface datum, April 25, 1973; lowest measured, 8.05 ft (2.5 m) below land-surface datum, September 25, 1978.

PRENTISS COUNTY--Continued

342911088205201. Local number M19. (USCE 52A)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 23	5.07	JUN 21	6.43	SEP 6	7.63

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	7.51	JAN 23	1.50	MAR 22	2.05	APR 25	-0.20	MAY 31	3.14	JUL 12	5.48
DEC 7	3.82	MAR 1	3.36								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	1.49	MAR 14	3.34	APR 10	2.88	MAY 23	2.26	JUN 20	3.69	AUG 29	6.50

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 17	4.20	FEB 9	1.94	JUN 26	4.68	SEP 24	3.84

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 13	2.43	MAR 9	1.75	JUN 9	4.70	AUG 19	7.22

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	5.89	FEB 16	4.62	MAY 18	5.52	JUL 28	7.54

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	3.48	FEB 15	3.93	JUN 9	0.90	SEP 25	8.05

342900088201601. Local number M16. (USCE 53A)

LOCATION.--Lat 34°29'00", long 88°20'16", Hydrologic Unit 03160101, NW¼SE¼ sec.10, T.7 S., R.9 E., 15.7 mi (25.3 km) southeast of Baldwin.

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 (10.2 cm), depth 35 ft (10.7 m), cased to 30 ft (9.1 m).

DATUM.--Land-surface datum is about 332 ft (101.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.4 ft (1.0 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.31 ft (0.1 m) below land-surface datum, April 25, 1973; lowest measured, 7.70 ft (2.3 m) below land-surface datum, September 25, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 23	2.83	JUN 21	4.54	SEP 6	7.08

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 17	6.48	JAN 24	0.83	MAR 22	1.10	APR 25	0.31	MAY 31	1.86	JUL 12	3.67
DEC 7	1.62	MAR 1	1.45								

PRENTISS COUNTY--Continued

342900088201601. Local number M16. (USCE 53A)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	4.10	MAR 14	1.30	APR 10	1.41

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 11	5.81	DEC 17	2.20	FEB 9	1.10	JUN 26	2.99	SEP 24	0.45

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 13	0.78	MAR 9	0.64	JUN 9	2.40	AUG 19	6.20

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	4.62	FEB 16	1.76	MAY 18	3.51	JUL 28	6.81

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	0.80	FEB 15	1.46	JUN 12	1.30	SEP 25	7.70

ITAWAMBA COUNTY

342215088275501. Local number D35. (USCE 61A)

LOCATION.--Lat 34°22'15", long 88°27'55", Hydrologic Unit 03160101, NE¼SW¼ sec.2, T.8 S., R.8 E., 7.3 mi (11.7 km) northwest 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 4 in (10.2 cm), depth 214 ft (65.2 m), cased to 204 ft (62.2 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 4.3 ft (1.3 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.03 ft (3.1 m) below land-surface datum, May 26, 1976; lowest measured, 14.43 ft (4.4 m) below land-surface datum, August 31, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 12	10.63	MAR 10	10.07	MAY 26	10.03	AUG 18	12.28

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	12.02	FEB 17	12.56	MAY 12	12.27	JUL 28	13.71

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	13.07	FEB 16	12.78	JUN 9	12.60	AUG 31	14.43

ITAWAMBA COUNTY--Continued

342215088275502. Local number D34. (USCE 61B)

LOCATION.--Lat 34°22'15", long 88°27'55", Hydrologic Unit 03160101, NE¼SW¼ sec.21, T.8 S., R.8 E., 7.3 mi (11.7 km) northwest of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 74 ft (22.6 m), cased to 64 ft (19.5 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.8 ft (1.2 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.04 ft (1.2 m) below land-surface datum, March 10, 1976; lowest measured, 7.27 ft (2.2 m) below land-surface datum, August 31, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 12	4.29	MAR 10	4.04	MAY 26	5.00	AUG 18	6.48

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	6.01	FEB 17	5.35	MAY 12	5.14	JUL 28	6.76

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	5.80	FEB 16	4.92	JUN 8	5.03	JUN 9	4.80	AUG 31	7.27

342239088241001. Local number D24. (USCE 62A)

LOCATION.--Lat 34°22'39", long 88°24'10", Hydrologic Unit 03160101, NE¼NE¼ sec.24, T.8 S., R.8 E., 7 mi (11.3 km) north 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 2 in (5.1 cm), depth 144 ft (43.9 m), cased to 120 ft (36.6 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.7 ft (0.2 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.77 ft (2.7 m) below land-surface datum, January 12, 1976; lowest measured, 21.45 ft (6.5 m) below land-surface datum, August 31, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 14	11.67	SEP 5	6.30

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	12.87	JAN 24	11.10	MAR 23	11.08	APR 26	11.03	MAY 31	11.58	JUL 12	12.30
DEC 6	12.30	MAR 8	11.48								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	11.63	MAR 14	11.80	APR 10	11.51

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	12.87	DEC 16	12.19	SEP 24	10.55

ITAWAMBA COUNTY--Continued

342219088241001. Local number D24. (USCE 62A)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 12	8.77	MAR 10	9.53	JUN 11	10.04	AUG 18	11.43

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	11.52	FEB 17	15.58	MAY 18	11.27	AUG 2	12.97

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	13.11	FEB 15	12.98	JUN 8	11.17	AUG 31	21.45

342239088241002. Local number D25. (USCE 62B)

LOCATION.--Lat 34°22'39", long 88°24'10", Hydrologic Unit 03160101, NE¼NE¼ sec.24, T.8 S., R.8 E., 7 mi (11.3 km) north of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 60 ft (18.3 m), cased to 48 ft (14.6 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.3 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.10 ft (8.3 m) below land-surface datum, April 26, 1973; lowest measured, 31.75 ft (9.7 m) below land-surface datum, August 5, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 14	28.38	AUG 5	31.75

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	29.99	JAN 24	27.86	MAR 23	28.22	APR 26	27.10	MAY 31	29.07
DEC 6	28.62	MAR 8	27.40						

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	27.51	MAR 14	28.10	APR 10	28.22

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	30.40	DEC 16	28.96	SEP 24	30.42

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 12	28.85	MAR 10	28.56	JUN 11	29.70	AUG 18	30.74

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	29.66	FEB 17	29.24	MAY 18	29.83	AUG 2	30.43

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

ITAWAMBA COUNTY--Continued

342239088241002. Local number D25. (USCE 62B)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	29.24	FEB 15	29.78	JUN 9	28.70	AUG 31	31.72

342239088241003. Local number D26. (USCE 62C)

LOCATION.--Lat 34°22'39", long 88°24'10", Hydrologic Unit 03160101, NE¼NE¼ sec.24, T.8 S., R.8 E., 7 mi (11.3 m) north of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 34 ft (10.4 cm), cased to 29 ft (8.8 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.1 ft (0.6 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 27.10 ft (8.3 m) below land-surface datum, April 26, 1973; lowest measured, 31.74 ft (9.7 m) below land-surface datum, August 31, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL
SEP 5	30.57

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	30.28	JAN 24	28.86	MAR 23	27.34	APR 26	27.10	MAY 31	28.14
JUL 12	28.67	DEC 6	29.24	MAR 8	27.92				

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	27.71	MAR 14	28.32	APR 10	28.30

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	29.69	DEC 16	30.36	SEP 24	29.36

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 12	29.58	MAR 10	28.15	JUN 11	29.03	AUG 18	30.57

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	29.61	FEB 17	29.10	MAY 18	29.61	AUG 2	30.47

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	28.62	FEB 15	28.58	JUN 8	28.28	AUG 31	31.74

ITAWAMBA COUNTY--Continued

342241088235701. Local number D27. (USCE 63A)

LOCATION.--Lat 34°22'41", long 88°23'57", Hydrologic Unit 03160101, NE¼NE¼ sec.24, T.8 S., R.8 E., 7 mi (11.3 km) north of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Rocks of Paleozoic age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 2 in (5.1 cm), depth 260 ft (79.2 m), cased to 240 ft (73.2 m).

DATUM.--Land-surface datum is about 290 ft (88.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.2 ft (0.7 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.10 ft (4.3 m) above land-surface datum, March 10, 1976; lowest measured, 6.55 ft (2 m) above land-surface datum, August 31, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL
SEP 5	12.02

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	11.15	DEC 7	12.10	MAR 8	13.50	APR 25	12.90	MAY 31	13.30	JUL 12	12.40
DEC 6	12.20	JAN 24	9.80	MAR 23	13.75						

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	13.00	MAR 14	12.50	APR 10	13.70

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	11.20	DEC 16	12.00

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 12	12.40	MAR 10	14.10	AUG 18	12.10

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	11.70	FEB 17	10.05	MAY 18	11.46	AUG 2	11.30

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	10.60	FEB 15	10.50	AUG 31	6.55

342241088235702. Local number D23. (USCE 63B)

LOCATION.--Lat 34°22'41", long 88°23'57", Hydrologic Unit 03160101, NE¼NE¼ sec.24, T.8 S., R.8 E., 7 mi (11.3 km) north 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 4 in (10.2 cm), depth 150 ft (45.7 m), cased to 90 ft (27.4 m).

DATUM.--Land-surface datum is about 290 ft (88.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of valve 3.65 ft (1.1 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 18.8 ft (5.7 m) above land-surface datum, March 10, 1976; lowest measured, 9.98 ft (3 m) above land-surface datum, August 31, 1978.

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

ITAWAMBA COUNTY--Continued

342241088235702. Local number D3. (USCE 63B)--Continued

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL
SEP 5	15.13

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	14.69	DEC 7	16.10	MAR 8	17.90	APR 26	16.60	MAY 31	16.65	JUL 12	14.30
DEC 6	14.58	JAN 24	17.20	MAR 23	17.60						

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	17.60	MAR 14	15.00	APR 10	16.80

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	14.40	DEC 16	11.00	SEP 24	17.50

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 12	17.16	MAR 10	18.80	JUN 11	16.70	AUG 18	15.40

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	15.90	FEB 17	12.90	MAY 18	16.35	AUG 2	14.40

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	14.74	FEB 15	14.50	JUN 8	9.98	AUG 31	9.98

342241088235703. Local number D28. (USCE 63C)

LOCATION.--Lat 34°22'41", long 88°23'57", Hydrologic Unit 03160101, NE¼NE¼ sec.24, T.8 S., R.8 E., 7 mi

(11.3 km) north of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 m), depth 25 ft (7.6 m), cased to 20 ft (6.1 m).

DATUM.--Land-surface datum is about 290 ft (88.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.5 ft (0.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.4 ft (0.1 m) above land-surface datum, March 10, 1976; lowest measured, 5.48 ft (1.7 m) below land-surface datum, August 31, 1978.

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL
SEP 5	- 4.03

ITAWAMBA COUNTY--Continued

342241088235703. Local number D28. (USCE 63C)--Continued

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	- 2.66	JAN 24	- 0.75	MAR 23	- 0.66	APR 26	- 0.20	MAY 31	- 1.13	JUL 12	- 1.17
DEC 6	- 0.87	MAR 8	- 0.50								

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	- 0.66	MAR 14	- 1.16	APR 10	- 1.08

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 16	- 2.55	DEC 16	- 0.99	SEP 24	- 0.97

WATER LEVEL, IN FEET ABOVE AND BELOW (-) LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 12	- 0.48	MAR 10	0.40	JUN 11	- 1.29	AUG 18	- 3.46

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 4	- 1.26	FEB 17	- 1.19	MAY 18	- 2.41	AUG 2	- 4.15

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	- 0.43	FEB 15	- 0.10	JUN 8	- 0.78	AUG 31	- 5.48

342245088232501. Local number E6. (USCE 64A)

LOCATION.--Lat 34°22'45", long 88°23'25", Hydrologic Unit 03160101, SW¼SE¼ sec.18, T.8 S., R.9 E., 7 mi (11.3 km) north 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 4 in (10.2 cm), depth 106 ft (32.3 m), cased to 66 ft (20.1 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of valve 3.2 ft (1 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 16.0 ft (4.9 m) above land-surface datum, September 24, 1975; lowest measured 9.0 ft (2.7 m) above land-surface datum, February 9, 1975.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL
SEP 5	12.31

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 18	12.80	DEC 7	13.40	MAR 8	13.82	MAR 23	13.93	APR 26	14.35	MAY 31	14.05
DEC 6	12.73	JAN 24	13.19								

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	13.98	APR 10	15.30

342245088232502. Local number E4. (USCE 64A)--Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	15.00	DEC 16	12.00	FEB 9	9.00	JUN 26	10.50	SEP 24	16.00

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 12	13.60	MAR 10	15.70	JUN 11	13.80	AUG 18	12.90

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	13.13	FEB 16	15.40	MAY 18	14.90	AUG 2	13.00

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	12.96	FEB 15	13.00	JUN 8	11.60	AUG 31	4.05

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.49 ft (0.5 m) above land-surface datum, March 31, 1976; lowest measured, 3.29 ft (1.0 m) below land-surface datum, August 29, 1978.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	-0.34	-0.66	-1.08	-0.66	0.41	-0.80
10	---	---	---	---	---	-0.76	-0.22	-0.79	-1.11	-0.43	0.05	---
15	---	---	---	---	---	-0.03	-0.36	-0.91	-0.69	-0.39	-0.18	---
20	---	---	---	---	---	-0.19	-0.34	-0.66	-0.96	-0.60	-0.04	---
25	---	---	---	---	---	-0.29	-0.51	-1.04	-1.23	-0.52	-0.34	---
EOM	---	---	---	---	---	0.02	-0.59	-0.76	-0.40	---	-0.56	---

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	0.70	0.84	1.13	0.33	0.53	-0.51	-1.28	-0.95
10	---	---	---	---	0.97	1.19	0.85	0.20	0.25	-0.52	-1.48	-0.96
15	---	---	---	0.85	0.84	1.09	0.92	0.90	-0.33	-0.66	-1.61	-1.15
20	---	---	---	0.70	1.17	0.98	0.68	0.58	-0.05	-0.93	-1.51	-1.26
25	---	---	---	0.76	1.04	1.13	0.59	0.34	-0.25	-1.15	-1.62	-1.39
EOM	---	---	---	0.81	0.95	1.49	0.47	0.46	-0.37	-1.01	-1.12	-1.33

[illegible]

ITAWAMBA COUNTY--Continued

342245088232502. Local number E4. (USCE 64B)--Continued

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	0.37	---	---	-0.54	-0.64	-0.65	-0.95	-1.76	-2.69	-2.03
10	---	---	0.18	---	---	-0.38	-0.73	-0.14	-0.82	-2.39	-2.70	-2.18
15	---	---	0.25	---	-0.52	-0.06	-0.73	-0.25	-1.21	-2.24	-2.78	-1.95
20	---	-0.10	---	---	-0.55	-0.27	-0.70	-0.57	-1.43	-2.55	-3.03	-2.06
25	---	0.14	---	---	-0.60	-0.30	-0.78	-0.81	-1.60	-2.73	-3.19	-2.17
EOM	---	0.33	---	---	-0.65	-0.49	-0.96	-0.93	-1.76	-2.65	-1.97	-2.23

342301088230101. Local number E5. (USCE 65A)

LOCATION.--Lat 34°23'01", long 88°23'01", Hydrologic Unit 03160101, NE¼SE¼ sec.18, T.8 S., R.9 E., 7.1 mi (11.4 km) north 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 4 in (10.2 cm), depth 130 ft (39.6 m), cased to 110 ft (33.5 m).

DATUM.--Land-surface datum is about 325 ft (99.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 5.5 ft (1.7 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.67 ft (1.2 m) above land-surface datum, February 20, 1976; lowest measured, 5.48 ft (1.7 m) below land-surface datum, August 31, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	2.75	2.14	1.83	1.72	2.76	2.78	2.43	3.18	2.92	3.52
10	---	---	3.23	2.00	1.86	3.03	2.75	2.39	2.46	3.17	2.98	3.41
15	---	2.95	2.65	2.75	1.73	2.61	2.81	2.32	2.34	3.23	3.07	3.31
20	---	2.76	2.49	2.02	1.60	2.66	2.80	2.26	2.48	3.21	3.06	3.21
25	---	2.79	2.46	2.70	1.68	2.80	2.77	2.43	2.62	3.10	3.28	3.13
EOM	---	2.75	2.08	2.00	1.67	2.58	2.78	2.33	3.05	3.10	3.39	3.16

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.20	3.06	2.90	2.76	3.61	3.48	3.38	3.11	3.16	---	---	---
10	3.18	2.98	2.90	2.68	3.64	3.52	3.22	3.08	3.05	---	---	---
15	3.17	2.98	2.93	3.61	3.55	3.41	3.23	3.23	---	---	---	---
20	2.95	2.96	2.94	3.50	3.67	3.48	3.21	3.21	---	---	2.12	---
25	2.99	2.96	2.90	3.64	3.62	3.39	3.21	3.17	---	---	2.10	---
EOM	3.05	2.93	2.77	3.63	3.58	3.55	3.18	3.11	---	---	---	---

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	2.75	2.61	1.50	---	---	---	2.45	2.99	1.14	0.43
10	---	2.42	2.74	2.61	1.43	---	---	---	2.43	3.08	1.17	0.37
15	---	2.44	2.76	2.40	1.32	---	---	---	2.45	3.19	1.04	0.36
20	---	2.53	2.73	2.10	---	---	---	1.42	2.65	3.25	0.97	0.40
25	---	2.62	2.74	1.92	---	---	---	2.32	2.75	3.35	0.81	0.80
EOM	---	2.63	2.62	1.66	---	---	---	2.40	2.88	3.43	0.57	1.02

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	0.99	1.55	2.38	1.96	1.68	1.83	---	---	---	---	---	---
10	1.16	1.24	2.03	1.87	1.78	1.51	---	---	0.95	---	---	---
15	1.19	1.39	2.18	1.62	1.80	0.42	---	---	---	---	---	---
20	1.17	1.65	2.22	1.58	1.83	0.79	---	---	---	---	---	---
25	1.42	1.92	2.24	1.84	1.80	0.76	---	---	---	---	---	---
EOM	1.46	2.22	2.15	1.58	1.87	---	---	---	---	---	-5.48	---

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

ITAWAMBA COUNTY--Continued

341610088264801. Local number G65. (USCE 67A)

LOCATION.--Lat 34°16'10", long 88°26'48", Hydrologic Unit 03160101, SW¼SE¼ sec.27, T.9 S., R.8 E., 2 mi (3.2 km) west 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 4 in (10.2 cm), depth 179 ft (54.6 m), cased to 169 ft (51.5 m).

DATUM.--Land-surface datum is about 270 ft (82.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.4 ft (0.7 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.4 ft (0.7 m) above land-surface datum, January 12, 1976; lowest measured, 0.3 ft (0.1 m) below land-surface datum, August 18, 1976.

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1976

DATE	WATER LEVEL
SEP 23	1.42

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 12	2.40	MAR 10	2.34	MAY 25	2.35	AUG 18	- 0.30

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	0.59	FEB 17	0.81	MAY 12	- 1.54	JUL 28	0.76

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	1.26	FEB 16	2.31	JUN 8	2.14	AUG 31	1.81

341610088264802. Local number G66. (USCE 67B)

LOCATION.--Lat 34°16'10", long 88°26'48", Hydrologic Unit 03160101, SW¼SE¼ sec.27, T.9 S., R.8 E., 2 mi (3.2 km) west of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 71 ft (21.6 m), cased to 61 ft (18.6 m).

DATUM.--Land-surface datum is about 270 ft (82.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.4 ft (0.7 m) above land-surface datum.

PERIOD OF RECORD.--January 1976 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.4 ft (3.8 m) below land-surface datum, January 12, 1976; lowest measured, 19.43 ft (5.9 m) below land-surface datum, August 31, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL
SEP 23	16.55

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 12	12.40	MAR 10	13.45	MAY 25	16.76	AUG 18	18.82

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	17.60	FEB 17	16.86	MAY 12	16.52	JUL 28	18.94

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	15.44	FEB 16	16.22	JUN 8	15.12	AUG 31	19.43

ITAWAMBA COUNTY--Continued

341425088193101. Local number L15. (USCE 71A)

LOCATION.--Lat 34°14'25", long 88°19'31", Hydrologic Unit 03160101, NE¼SW¼ sec.2, T.10 S., R.9 E., 4.6 mi (7.4 km) southwest 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 4 in (10.2 cm), depth 170 ft (51.8 m), cased to 150 ft (45.7 m).

DATUM.--Land-surface datum is about 273 ft (83 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.3 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.24 ft (1.3 m) below land-surface datum, March 10, 1976; lowest measured, 8.45 ft (2.6 ft) below land-surface datum, August 31, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 27	7.02	SEP 6	7.99

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	8.24	DEC 6	6.84	MAR 8	5.19	MAR 22	5.18	MAY 3	5.25	JUL 12	6.45

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 20	5.45	APR 10	5.47

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	7.16	DEC 16	6.11	FEB 9	5.19	JUN 2	5.74	JUN 13	5.76	SEP 23	5.47
NOV 29	6.45										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	4.90	MAR 10	4.24	MAR 11	6.72	MAY 25	5.22	AUG 26	7.48

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	7.01	FEB 17	6.05	MAY 12	6.00	AUG 2	8.31

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	6.23	FEB 15	5.53	JUN 8	5.39	AUG 31	8.45

341235088233801. Local number L17. (USCE 72A)

LOCATION.--Lat 34°12'35", long 88°23'38", Hydrologic Unit 03160101, NW¼SE¼ sec.18, T.10 S., R.9 E., 4.2 mi (6.8 km) south of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 21 ft (6.4 m), cased to 16 ft (4.9 m).

DATUM.--Land-surface datum is about 249 ft (75.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 4.6 ft (1.4 m).

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.0 ft (0.9 m) above land-surface datum, February 9, 1975; lowest measured, 4.39 ft (1.3 m) below land-surface datum, September 6, 1972.

ITAWAMBA COUNTY--Continued

341235088233801. Local number L17. (USCE 72A)--Continued

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL
SEP 6	- 4.39

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	- 3.85	DEC 6	0.10	JUL 12	- 0.04

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 20	0.13	APR 10	0.40

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	- 1.13	NOV 29	0.09	DEC 16	- 0.31	FEB 9	3.00	JUN 2	0.55	SEP 25	1.09

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 11	0.52	AUG 26	1.85

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	0.50	FEB 17	0.69	MAY 12	0.66	AUG 2	- 2.43

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	- 1.18	FEB 10	0.61	AUG 31	- 3.99

341235088232101. Local number L13. (USCE 73A)

LOCATION.--Lat 34°12'35", long 88°23'21", Hydrologic Unit 03160101, NE¼SE¼ sec.18, T.10 S., R.9 E., 4.2 mi (6.8 km) south 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 4 in (10.2 cm), depth 138 ft (42.1 m), cased to 98 ft (29.9 m).

DATUM.--Land-surface datum is about 249 ft (75.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.3 ft (0.4 m).

PERIOD OF RECORD.--December 1972 to August 1976.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 20.10 ft (6.1 m) above land-surface datum, March 8, 1973; lowest measured, 14.30 ft (4.4 m) above land-surface datum, August 26, 1976.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 6	15.50	JAN 23	19.30	MAR 8	20.10	MAR 22	19.90	MAY 30	18.00	JUL 12	17.00
DEC 7	16.20	JAN 24	18.60								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 13	17.00	SEP 23	18.30

ITAWAMBA COUNTY--Continued

341235088232101. Local number L13. (USCE 73A)--Continued

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	17.47	MAR 10	19.80	JUN 11	17.00	AUG 26	14.30

341235088232102. Local number L18. (USCE 73B)

LOCATION.--Lat 34°12'35", long 88°23'21", Hydrologic Unit 03160101, NW¼SE¼, sec.18, T.10 S., R.9 E., 4.2 mi (6.8 km) south of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--McShan sand member of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 26 ft (7.1 m), cased to 16 ft (4.9 m).

DATUM.--Land-surface datum is about 249 ft (75.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.3 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.10 ft (0.3 m) above land-surface datum, January 23, 1973; lowest measured 5.04 ft (1.5 m) below land-surface datum, August 31, 1978.

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL
SEP 6	- 4.95

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	- 3.75	JAN 23	1.10	MAR 8	0.47	MAR 22	0.47	MAY 30	0.09	JUL 12	- 0.29
DEC 6	0.05										

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	1.04	MAR 20	- 0.21	APR 10	0.06

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	- 0.32	DEC 16	0.10	FEB 9	0.10	MAR 11	0.78	JUN 13	- 0.86	SEP 23	- 0.08
NOV 29	- 0.27										

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	0.12	MAR 10	0.88	JUN 11	- 0.91	AUG 26	- 3.96

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	- 1.26	FEB 17	0.02	MAY 12	- 1.24

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	0.54	FEB 16	- 0.23	JUN 8	- 1.42	AUG 31	- 5.04

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

ITAWAMBA COUNTY--Continued

341232088225302. Local number L14. (USCE 74A)

LOCATION.--Lat 34°12'32", long 88°22'53", Hydrologic Unit 03160101, SW¼SW¼ sec.17, T.10 S., R.9 E., 4.3 mi (6.9 km) south 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 4 in (10.2 cm), depth 150 ft (45.7 m), cased to 130 ft (39.6 m).

DATUM.--Land-surface datum is about 270 ft (82.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.5 ft (0.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 10.63 ft (3.2 m) below land-surface datum, March 14, 1975; lowest measured, 17.45 ft (5.3 m) below land-surface datum, September 17, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	13.22	11.91	---	---	11.51	12.01	---	13.33	13.18	13.55
10	---	---	13.06	11.92	---	12.07	11.64	12.09	---	13.36	13.08	13.31
15	---	13.97	12.95	11.75	---	10.71	11.76	---	---	13.33	13.08	13.17
20	---	13.75	12.96	---	---	11.50	11.81	---	---	13.44	13.09	13.93
25	---	13.50	12.84	---	---	11.47	11.83	---	12.85	13.50	13.15	12.93
EOM	---	13.30	11.78	---	---	10.66	11.88	---	13.06	13.52	13.29	12.93

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.93	12.60	12.11	11.56	12.01	11.61	11.53	11.61	11.61	13.32	14.53	---
10	12.87	12.38	12.14	11.61	11.72	11.60	11.61	11.61	11.61	13.54	14.76	---
15	12.92	12.42	12.18	11.61	11.95	11.61	11.61	11.61	12.73	13.71	14.90	---
20	12.30	12.34	12.25	11.97	11.52	11.61	11.61	11.61	12.85	14.01	15.11	---
25	12.50	12.31	12.22	11.86	11.61	11.59	11.61	11.61	13.00	14.20	15.22	---
EOM	12.56	12.25	11.90	11.80	11.61	11.34	11.61	11.61	13.14	14.31	---	---

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	13.77	13.12	13.06	---	---	---	13.91	14.96	15.82	16.87
10	---	14.17	13.75	12.87	13.17	---	---	---	14.14	15.16	15.90	16.84
15	---	14.13	13.54	12.60	13.20	---	---	13.28	14.31	15.34	16.08	16.74
20	---	14.04	13.51	12.79	---	---	---	13.50	14.34	15.41	16.22	16.57
25	---	14.07	13.39	12.75	---	---	---	13.73	14.49	15.54	16.60	16.46
EOM	---	13.93	13.19	12.95	---	---	---	13.82	14.73	15.67	16.84	15.71

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	15.44	14.05	12.65	13.16	12.92	13.12	13.00	13.53	13.50	14.70	16.00	16.51
10	15.03	14.01	13.10	13.03	12.91	12.93	13.09	12.53	13.54	15.09	16.04	16.68
15	14.81	13.94	12.97	12.94	13.01	12.41	13.24	12.82	13.92	15.24	16.13	16.67
20	14.77	13.48	12.95	12.79	13.08	12.62	13.44	13.22	14.06	15.48	16.23	16.67
25	14.70	12.92	13.09	12.66	13.20	12.74	13.56	13.32	14.10	15.65	16.35	16.73
EOM	14.24	12.95	13.08	12.67	13.13	12.83	13.65	13.39	14.37	15.81	16.38	16.78

241232088225301. Local number L19. (USCE 74B)

LOCATION.--Lat 34°12'32", long 88°22'53", Hydrologic Unit 03160101, SW¼SW¼ sec.17, T.10 S., R.9 E., 4.3 mi (6.9 km) south of Fulton.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Dug unused water table, diameter 24 in (61 cm), depth 16 ft (4.9 m), cased to 16 ft (4.9 m).

DATUM.--Land-surface datum is about 270 ft (82.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.9 m).

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.48 ft (0.1 m) below land-surface datum, January 23, 1973; lowest measured, 10.77 ft (3.3 m) below land-surface datum, August 31, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN 23	0.48	MAR 8	3.62	MAR 23	3.37	APR 26	1.80	MAY 30	5.93	JUL 11	5.96

ITAWAMBA COUNTY--Continued

241232088225301. Local number L19. (USCE 74B)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	1.86	FEB 20	4.91

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	7.79	NOV 29	5.94	DEC 16	5.57	FEB 9	4.41	MAR 11	4.43	JUN 25	6.86

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 22	5.40	DEC 11	6.04	MAR 10	4.18	JUN 11	6.06	AUG 26	9.53

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	7.45	FEB 17	5.97	MAY 12	6.08	AUG 2	10.53

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	3.90	FEB 16	5.15	JUN 8	5.40	AUG 31	10.77

341232088222801. Local number L16. (USCE 75A)

LOCATION.--Lat 34°12'32", long 88°22'28", Hydrologic Unit 03160101, SW¼SE¼ sec.17, T.10 S., R.9 E., 4.8 mi (7.7 km) southeast 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 4 in (10.2 cm), depth 144 ft (43.9 m), cased to 124 ft (37.8 m).

DATUM.--Land-surface datum is about 300 ft (91.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.2 ft (0.4 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 21.12 ft (6.4 m) below land-surface datum, April 25, 1973; lowest measured, 26.35 ft (8 m) below land-surface datum, August 31, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL	DATE	WATER LEVEL
JUL 17	23.60	SEP 6	25.02

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	25.30	JAN 23	22.01	MAR 22	21.33	APR 25	21.12	MAY 30	22.20	JUL 11	23.25
DEC 7	23.28	MAR 8	21.89								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	21.55	APR 10	21.93

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	23.93	FEB 9	21.38	MAR 11	21.33	JUN 13	22.46	SEP 23	22.60

ITAWAMBA COUNTY--Continued

341232088222801. Local number L16. (USCE 75A)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	21.92	MAR 10	21.36	JUN 11	22.32	AUG 26	24.89

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	23.93	FEB 17	22.87	MAY 12	22.99	AUG 2	25.50

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	23.48	FEB 16	22.83	JUN 8	23.22	AUG 31	26.35

340544088255201. Local number N28. (USCE 81A)

LOCATION.--Lat 34°05'44", long 88°25'52", Hydrologic Unit 03160101, NE¼SW¼ sec.26, T.11 S., R.8 E., 12.3 mi (19.8 km) south 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 4 in (10.2 cm), depth 180 ft (54.9 m), cased to 170 ft (51.8 m).

DATUM.--Land-surface datum is about 246 ft (75 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.4 ft (0.1 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.85 ft (1.5 m) below land-surface datum, March 10, 1976; lowest measured, 9.24 ft (2.8 m) below land-surface datum, September 1, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL
AUG 30	6.86

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	7.02	NOV 8	6.78	JAN 23	5.57	MAR 7	5.28	JUL 11	5.78

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 20	5.36	APR 10	5.36

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	6.27	NOV 29	6.27	DEC 16	5.97	FEB 9	5.35	JUN 13	5.56	SEP 23	5.54

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 12	5.12	MAR 10	4.85	JUN 11	5.45	AUG 26	6.98

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	6.82	FEB 15	6.03	MAY 12	6.11	AUG 2	7.63

ITAWAMBA COUNTY--Continued

340544088255201. Local number N28. (USCE 81A)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	7.33	FEB 16	6.66	JUN 8	6.69	SEP 1	9.24

341604088244602. Local number C68. (USCE 106A)

LOCATION.--Lat 34°16'04", long 88°24'46", Hydrologic Unit 03160101, SW¼SE¼ sec.25, T.9 S., R.8 E., in Fulton, Mississippi.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused water table well, diameter 2 in (5.1 cm), depth 10 ft (3 m), cased to 5 ft (1.5 m).

DATUM.--Land-surface datum is about 290 ft (88.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.80 ft (1.2 m) above land-surface datum.

PERIOD OF RECORD.--June 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.21 ft (0.4 m) above land-surface datum, June 8, 1978; lowest measured, 0.26 ft (0.1 m) below land-surface datum, August 31, 1978.

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 8	1.21	AUG 31	0.26

341604088244601. Local number C67. (USCE 106B)

LOCATION.--Lat 34°16'04", long 88°24'46", Hydrologic Unit 03160101, SW¼SE¼ sec.25, T.9 S., R.8 E., in Fulton, Mississippi.

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 (15.2 cm), depth 175 ft (53.3 m), cased to 165 ft (50.3 m).

DATUM.--Land-surface datum is about 284 ft (86.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.80 ft (1.2 m) above land-surface datum.

PERIOD OF RECORD.--June 1978 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 8.17 ft (2.5 m) below land-surface datum, June 8, 1978; lowest measured, 13.06 ft (4.0 m) below land-surface datum, September 8, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	---	---	---	11.57	11.12	---
10	---	---	---	---	---	---	---	---	9.19	12.37	10.84	12.68
15	---	---	---	---	---	---	---	---	8.67	11.25	10.99	12.23
20	---	---	---	---	---	---	---	---	9.09	11.50	11.56	11.56
25	---	---	---	---	---	---	---	---	9.36	11.35	11.80	11.72
EOM	---	---	---	---	---	---	---	---	11.37	11.36	---	11.67

MONROE COUNTY

340504088241101. Local number C51. (USCE 84A)

LOCATION.--Lat 34°05'04", long 88°24'11", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.11 S., R.8 E., 6.0 mi (9.7 km) northeast of Amory.

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 (10.2 cm), depth 170 ft (51.8 m), cased to 150 ft (45.7 m).

DATUM.--Land-surface datum is about 234 ft (71.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.8 ft (0.9 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.3 ft (4.1 m) above land-surface datum, March 10, 1976; lowest measured, 5.95 ft (1.8 m) above land-surface datum, September 1, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL
AUG 30	10.00

MONROE COUNTY--Continued

340504088241101. Local number C51. (USCE 84A)--Continued

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	9.80	NOV 8	7.55	JAN 23	7.70	MAR 7	11.70	MAR 22	10.40	SEP 11	9.00

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL
APR 10	8.50

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	10.10	NOV 29	9.00	DEC 16	9.00	FEB 9	9.00	JUN 13	13.00	SEP 23	12.00

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	11.12	MAR 10	13.30	MAY 25	11.11	AUG 26	9.27

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	9.26	FEB 15	10.53	MAY 12	10.31	AUG 2	12.24

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	9.04	FEB 16	9.00	JUN 8	9.06	SEP 1	5.95

340504088241102. Local number C52. (USCE 84B)

LOCATION.--Lat 34°05'04", long 88°14'11", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.11 S., R.8 E., 6.0 mi (9.7 km) northeast of Amory.

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 (10.2 cm), depth 110 ft (33.5 m), cased to 100 ft (30.5 m).

DATUM.--Land-surface datum is about 234 ft (71.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.2 ft (1 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 11.46 ft (3.5 m) above land-surface datum, August 2, 1977; lowest measured, 4.20 ft (1.3 m) above land-surface datum, September 1, 1978.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL
AUG 30	7.65

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	7.47	JAN 12	9.20	MAR 22	10.75	APR 25	9.90	MAY 30	9.75	JUL 11	8.80
NOV 8	6.33	MAR 7	11.40								

MONROE COUNTY--Continued

340504088241102. Local number C52. (USCE 84B)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 20	9.90	APR 10	10.70

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	8.00	NOV 29	7.00	DEC 16	5.00	FEB 9	7.50	JUN 13	9.90	SEP 23	10.20

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	8.52	MAR 10	10.70	MAY 25	8.98	AUG 26	6.90

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	7.45	FEB 17	5.97	MAY 12	8.82	AUG 2	11.46

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	7.31	FEB 16	7.50	JUN 8	8.42	SEP 1	4.20

340504088241103. Local number C53. (USCE 84C)

LOCATION.--Lat 34°05'04", long 88°24'11", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.11 S., R.8 E., 6 mi (9.7 km) northeast of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 27 ft (8.2 m), cased to 7 ft (2.1 m).

DATUM.--Land-surface datum is about 234 ft (71.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.3 ft (0.7 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.77 ft (0.2 m) above land-surface datum, February 13, 1977; lowest measured, 3.05 ft (0.9 m) below land-surface datum, August 31, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL
AUG 30	- 3.40

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	- 2.98	JAN 23	0.70	MAR 22	0.48	APR 26	0.40	MAY 30	0.01	JUL 11	- 0.27
NOV 8	- 1.93	MAR 3	0.65								

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL
APR 10	0.39

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	- 2.68	NOV 29	- 0.29	DEC 16	0.30	FEB 9	0.30	JUN 13	0.25	SEP 23	- 0.48

MONROE COUNTY--Continued

340504088241103. Local number C53. (USCE 84C)--Continued

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	0.55	MAR 10	0.74	MAY 25	0.13	AUG 26	- 3.41

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	- 2.16	FEB 13	0.77	MAY 12	0.46	AUG 2	- 2.11

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	- 0.50	FEB 16	- 0.13	JUN 8	0.48	AUG 31	- 3.05

340454088250401. Local number C54. (USCE 85A)

LOCATION.--Lat 34°04'54", long 88°25'04", Hydrologic Unit 03160101, SW¼NE¼ sec.36, T.11 S., R.8 E., 6.0 mi (9.7 km) northeast of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 21 ft (6.4 m), cased to 11 ft (3.4 m).

DATUM.--Land-surface datum is about 235 ft (71.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.5 ft (0.8 m).

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.17 ft (0.1 m) below land-surface datum, January 23, 1973; lowest measured, 7.67 ft (2.3 m) below land-surface datum, September 1, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL
AUG 30	6.32

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	6.38	JAN 23	0.17	MAR 22	0.81	APR 26	0.60	MAY 30	2.03	JUL 11	2.02
NOV 10	4.00	MAR 7	0.35								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	0.24	MAR 20	0.85	APR 10	0.93

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	3.58	NOV 29	1.27	DEC 16	1.15	FEB 9	0.99	JUN 13	0.91	SEP 23	1.70

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	1.71	MAR 10	0.89	MAY 25	2.52	AUG 26	5.58

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	3.37	FEB 15	1.94	MAY 12	2.76	AUG 2	5.57

MONROE COUNTY--Continued

340454088250401. Local number C54. (USCE 85A)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	1.80	FEB 16	1.78	JUN 8	2.74	SEP 1	7.67

340442088250101. Local number C55. (USCE 86A)

LOCATION.--Lat 34°04'42", long 88°25'01", Hydrologic Unit 03160101, NW¼SW¼ sec.36, T.11 S., R.8 E., 6.0 mi (9.7 km) northeast of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 24 ft (7.3 m), cased to 10 ft (3 m).

DATUM.--Land-surface datum is about 235 ft (71.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.4 ft (0.4 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.80 ft (0.2 m) below land-surface datum, April 25, 1973; lowest measured, 7.28 ft (2.2 m) below land-surface datum, September 1, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL
AUG 30	6.34

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	6.30	JAN 23	1.28	MAR 22	1.35	APR 25	0.80	MAY 30	2.42	JUL 11	2.30
NOV 10	3.95	MAR 7	0.88								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	0.88	MAR 20	1.54	APR 10	1.46

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	3.79	NOV 29	2.53	DEC 16	2.44	FEB 9	1.52	JUN 13	1.30	SEP 23	1.58

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	1.85	MAR 10	0.97	MAY 25	2.54	AUG 26	5.34

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	3.35	FEB 15	2.10	MAY 12	2.73	AUG 2	4.88

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	1.35	FEB 16	1.85	JUN 8	2.28	SEP 1	7.28

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

MONROE COUNTY--Continued

340426088245101. Local number C56. (USCE 87A)
 LOCATION.--Lat 34°04'26", long 88°24'51", Hydrologic Unit 03160101, SE¼SW¼ sec.36, T.11 S., R.8 E., 6.0 mi (9.7 km) northeast of Amory.
 Owner: U.S. Army, Corps of Engineers.
 AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 13 ft (4.0 m), cased to 8 ft (2.4 m).
 DATUM.--Land-surface datum is about 236 ft (71.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.9 m) above land-surface datum.
 PERIOD OF RECORD.--August 1972 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.28 ft (0.1 m) above land-surface datum, February 15, 1977; lowest measured, 5.98 ft (1.8 m) below land-surface datum, September 1, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL
AUG 30	5.61

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	5.59	JAN 23	0.44	MAR 22	0.66	APR 26	0.10	MAY 30	1.73	JUL 11	1.62
NOV 10	2.84	MAR 7	0.13								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	0.38	MAR 20	0.48	APR 10	0.71

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	3.61	NOV 29	1.10	DEC 16	0.69	FEB 9	0.67	JUN 13	0.51	SEP 23	0.20

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	0.85	MAR 10	0.06	MAY 25	1.38	AUG 26	4.70

WATER LEVEL, ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	- 1.73	FEB 15	0.28	MAY 12	- 1.79	AUG 2	- 4.45

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	0.24	FEB 16	1.05	JUN 8	1.42	SEP 1	5.98

340409088243801. Local number C57. (USCE 89A)
 LOCATION.--Lat 34°04'09", long 88°24'38", Hydrologic Unit 03160101, SW¼NE¼ sec.1, T.12 S., R.8 E., 5.9 mi (9.5 km) northeast of Amory.
 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 (10.2 cm), depth 166 ft (50.6 m), cased to 146 ft (44.5 m).
 DATUM.--Land-surface datum is about 245 ft (74.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.65 ft (0.5 m) above land-surface datum.
 PERIOD OF RECORD.--August 1972 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.48 ft (0.5 m) above land-surface datum, April 26, 1973; lowest measured, 4.07 ft (1.2 m) below land-surface datum, September 25, 1978.

MONROE COUNTY--Continued

340409088243801. Local number C57. (USCE 89A)--Continued

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	-1.00	-0.04	0.26	---	---	---	-0.11	---	---	---
10	---	---	-0.84	0.03	---	-1.08	---	-0.48	-0.45	---	---	---
15	---	-1.01	-0.66	0.03	---	-0.11	---	1.62	-0.56	---	---	---
20	---	-0.73	-0.76	0.05	---	---	---	1.85	-0.38	---	---	---
25	---	-0.67	-0.42	0.21	---	---	---	0.61	-0.32	---	---	---
EOM	---	-0.98	0.02	0.18	---	---	---	-0.03	---	---	---	---

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	-0.89	-0.95	-1.15	-0.67	-0.65	-0.06	0.47	-1.44
10	---	---	---	-0.81	-0.91	-0.99	-1.01	-0.59	-0.69	0.03	0.57	-1.52
15	---	---	---	-0.93	-0.90	-1.08	-1.01	-0.74	-0.43	0.17	0.79	-1.50
20	---	---	---	-0.83	-1.07	-1.09	-0.95	-0.67	-0.36	0.13	0.90	-1.50
25	---	---	---	-0.93	-1.01	-1.11	-0.87	-0.70	-0.25	0.27	1.11	-1.36
EOM	---	---	---	-0.96	-0.95	-1.26	-0.76	-0.55	-0.18	0.36	-1.17	-1.36

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.23	1.35	---	---	---	---	---	---	0.67	1.51	1.80	2.48
10	1.31	1.31	---	---	---	---	---	---	0.79	1.63	1.90	2.43
15	1.18	---	---	---	---	---	---	0.29	0.90	1.51	2.02	2.36
20	1.13	---	---	---	---	---	---	0.45	0.93	1.56	2.06	2.28
25	1.13	---	---	---	---	---	---	0.52	1.20	1.63	2.18	2.33
EOM	1.26	---	---	---	---	---	---	0.56	1.40	1.72	2.40	2.23

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.23	1.98	---	---	---	1.04	0.89	1.19	1.30	---	---	3.99
10	2.08	2.06	---	---	---	0.88	0.94	0.41	---	---	---	3.99
15	2.17	2.01	---	---	---	0.79	1.04	0.80	---	---	---	4.00
20	2.18	---	---	---	1.04	0.77	1.04	0.97	---	---	---	4.05
25	2.14	---	---	---	1.12	0.75	1.12	1.06	---	---	---	4.07
EOM	1.96	---	---	---	1.05	0.81	1.24	1.13	---	---	---	4.01

340409088243802. Local number C58. (USCE 89B)

LOCATION.--Lat 34°04'09", long 88°24'38", Hydrologic Unit 03160101, SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.1, T.12 S., R.8 E., 5.9 mi (9.5 km) northeast of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--McShan sand member of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 45 ft (13.7 m), cased to 40 ft (12.2 m).

DATUM.--Land-surface datum is about 245 ft (74.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.0 ft (0.6 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 3.99 ft (1.2 m) below land-surface datum, June 8, 1978; lowest measured, 8.98 ft (2.7 m) below land-surface datum, September 1, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL
AUG 30	7.26

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	7.24	JAN 23	4.44	MAR 22	4.28	APR 26	4.20	MAY 30	4.63	JUL 11	4.50
NOV 10	5.30	MAR 7	4.40								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 5	4.14	MAR 20	4.32	APR 10	4.26

340409088243802. Local number C58. (USCE 89B)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	5.73	NOV 29	4.58	DEC 16	4.59	FEB 9	4.19	JUN 13	4.53	SEP 24	4.39

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	4.25	MAR 10	4.23	MAY 25	4.46	AUG 26	6.73

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	5.00	FEB 15	4.45	MAY 12	4.66	AUG 2	6.48

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	4.70	FEB 16	4.53	JUN 8	3.99	SEP 1	8.98

340149088292201. Local number C61. (USCE 91A)

LOCATION.--Lat 34°01'49", long 88°29'22", Hydrologic Unit 03160101, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.17, T.12 S., R.8 E., 2 mi (3.2 km) north of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 88 ft (26.8 m), cased to 78 ft (23.8 m).

DATUM.--Land-surface datum is about 218 ft (66.4 m) above National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.2 ft (0.4 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to May 1977.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.75 ft (0.2 m) above land-surface datum, March 20, 1974; lowest measured, 10.17 ft (3.1 m) below land-surface datum, September 24, 1975.

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 30	- 6.43	NOV 15	- 6.83	MAR 7	- 0.19	APR 26	- 2.34	MAY 30	- 3.43	OCT 16	- 7.39
JAN 23	- 0.29	MAR 22	0.43								

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 4	0.40	MAR 20	- 0.75	APR 11	- 0.39

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	5.92	NOV 29	4.70	DEC 16	3.63	FEB 9	0.81	JUN 13	5.20	SEP 24	10.17

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	3.71	MAR 10	0.95	MAY 25	6.45	AUG 27	7.45

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	8.96	FEB 15	5.49	MAY 12	2.70

MONROE COUNTY--Continued

340149088292202. Local number C69. (USCE 91B)

LOCATION.--Lat 34°01'49", long 88°29'22", Hydrologic Unit 03160101, SW¼SW¼ sec.17, T.12 S., R.8 E., 2.0 mi (3.2 km) north of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 20 ft (6.1 m), cased to 10 ft (3 m).

DATUM.--Land-surface datum is about 218 ft (66.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.0 ft (0.3 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to May 1977.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.12 ft (0.3 m) below land-surface datum, March 22, 1973; lowest measured, 13.03 ft (4 m) below land-surface datum, November 9, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 30	10.18	NOV 15	11.15	MAR 7	1.59	APR 26	1.20	MAY 30	4.70	JUL 11	6.40
OCT 16	11.45	JAN 23	2.34	MAR 22	1.12						

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 4	1.31	MAR 20	3.81	APR 10	2.32

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	9.72	NOV 29	9.09	DEC 16	7.42	FEB 9	7.57	JUN 13	5.20	SEP 24	5.65

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	8.30	MAR 10	1.76	MAY 25	2.88	AUG 27	10.83

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	13.03	FEB 15	10.68	MAY 12	5.73

340115088292101. Local number C62. (USCE 92A)

LOCATION.--Lat 34°01'15", long 88°29'21", Hydrologic Unit 03160101, NW¼SW¼ sec.20, T.12 S., R.8 E., 1.5 mi (2.4 km) north of Amory.

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 (10.2 cm), depth 200 ft (61 m), cased to 190 ft (57.9 m).

DATUM.--Land-surface datum is about 216 ft (65.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.80 ft (0.55 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to May 1977.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.75 ft (2.4 m) above land-surface datum, March 22, 1973; lowest measured, 0.3 ft (0.1 m) above land-surface datum, October 16, 1974.

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 30	5.40	JAN 23	5.88	MAR 22	7.75	APR 26	6.60	MAY 30	7.65	JUL 11	2.82
OCT 16	3.09	MAR 7	6.38								

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 4	4.80	MAR 20	4.01	APR 10	3.75

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

MONROE COUNTY--Continued

340115088292101. Local number C62. (USCE 92A)--Continued

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	0.30	NOV 29	2.40	DEC 16	2.00	FEB 9	2.00	JUN 13	3.00	SEP 25	3.50

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	3.00	MAR 10	4.80	MAY 25	3.04	AUG 27	1.71

WATER LEVEL, IN FEET ABOVE LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	1.88	FEB 15	2.00	MAY 12	1.85

340115088292102. Local number C68. (USCE 92B)

LOCATION.--Lat 34°01'15", long 88°29'21", Hydrologic Unit 03160101, NW¼SW¼ sec.20, T.12 S., R.8 E., 1.5 mi (2.4 km) north of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 19 ft (5.8 m), cased to 14 ft (4.3 m).

DATUM.--Land-surface datum is about 216 ft (65.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.0 ft (0.6 m) above land-surface datum.

PERIOD OF RECORD.--August 1972 to May 1977.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.28 ft (0.1 m) above land-surface datum, January 23, 1973; lowest measured, 9.81 ft (3 m) below land-surface datum, October 16, 1972.

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 30	- 7.68	NOV 15	- 9.07	MAR 7	- 0.04	APR 26	0.05	MAY 30	- 1.76	JUL 11	- 0.45
OCT 16	- 9.81	JAN 23	0.28	MAR 22	- 0.04						

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 4	0.04	MAR 20	0.13	APR 10	- 0.02

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	- 3.01	NOV 29	- 1.89	DEC 16	- 1.72	FEB 9	0.09	JUN 13	- 0.06	SEP 25	- 4.37

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	- 1.35	MAR 10	0.12	MAY 25	- 1.90	AUG 27	- 6.60

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	7.90	FEB 15	2.93	MAY 12	2.15

340042088298101. Local number C63. (USCE 93A)
LOCATION.--Lat 34°00'42", long 88°29'20", Hydrologic Unit 03160101, NW¼NW¼ sec.29, T.12 S., R.8 E., 1.0 mi
(1.6 km) north of Amory.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 70 ft (21.3 m), cased
to 65 ft (19.8 m).
DATUM.--Land-surface datum is about 213 ft (64.9 m) National Geodetic Vertical Datum of 1929. Measuring
point: Top of casing 3.0 ft (0.9 m) above land-surface datum.
PERIOD OF RECORD.--August 1973 to May 1977.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.15 ft (0.05 m) above land-surface datum,
March 10, 1976; lowest measured, 5.10 ft (1.6 m) below land-surface datum, October 16, 1972.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 30	4.88	NOV 15	4.57	MAR 7	0.64	APR 26	0.40	MAY 30	1.10	JUL 11	1.90
OCT 16	5.10	JAN 23	1.26	MAR 22	0.33						

DATE	WATER LEVEL
FEB 4	0.43

DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	2.29	SEP 25	1.20

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	- 0.59	MAR 10	0.15	AUG 26	- 2.90

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	2.60	FEB 15	0.93	MAY 12	0.72

DATE	WATER LEVEL
AUG 30	2.91

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	3.13	JAN 23	0.81	MAR 22	0.94	APR 26	0.77	MAY 30	1.16	JUL 11	1.94
NOV 17	1.99	MAR 7	0.65								

MONROE COUNTY--Continued

340056088283001. Local number C66. (USCE 94A)--Continued

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 4	- 0.73	MAR 20	- 1.03	APR 10	0.60

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	1.02	NOV 29	0.83	DEC 16	0.79	FEB 9	0.91	JUN 13	1.00	SEP 25	0.64

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	0.47	MAR 10	0.25	MAY 25	0.57	AUG 26	0.90

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	0.66	FEB 15	0.50	MAY 12	0.63	AUG 2	0.90

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	0.50	FEB 16	0.18	JUN 8	0.42	SEP 1	1.97

340054088281801. Local number C59. (USCE 95A)

LOCATION.--Lat 34°00'54", long 88°28'18", Hydrologic Unit 03160101, SW¼SW¼ sec.21, T.12 S., R.8 S., 0.5 mi (0.8 km) north of Amory.

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 (10.2 cm), depth 166 ft (50.6 m), cased to 156 ft (47.5 m).

DATUM.--Land-surface datum is about 220 ft (67.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.6 ft (0.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.09 ft (0.03 m) above land-surface datum, March 22, 1973; lowest measured, 7.40 ft (2.3 m) below land-surface datum, September 10, 1978.

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	0.56	1.04	1.14	1.24	1.04	1.53
10	---	---	---	---	0.76	0.66	0.56	1.07	1.04	1.15	1.11	1.43
15	---	2.15	---	---	---	0.56	0.71	0.94	1.11	1.11	1.17	1.47
20	---	1.80	---	---	---	0.53	1.03	0.93	1.23	1.28	1.12	1.54
25	---	---	---	---	---	0.58	1.48	0.93	1.32	1.20	1.24	1.49
EOM	---	---	---	---	---	0.34	1.20	0.93	1.33	1.16	1.39	1.46

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	1.61	1.46	1.32	1.16	1.48	1.56	1.19	1.55	1.52	2.00	2.66	2.52
10	1.65	1.33	1.28	1.38	1.37	1.39	1.46	1.68	1.70	2.03	2.69	2.53
15	1.61	1.43	1.35	1.45	1.52	1.39	1.42	1.39	1.90	2.24	2.78	2.67
20	1.27	1.41	1.45	1.46	1.42	1.37	1.36	1.46	1.91	2.22	3.02	2.69
25	1.43	1.35	1.40	1.39	1.47	1.33	1.42	1.43	1.95	2.50	3.12	2.73
EOM	1.45	1.32	1.16	1.42	1.42	1.17	1.47	1.35	1.91	2.52	2.73	2.82

MONROE COUNTY--Continued

340054088281801. Local number C59. (USCE 95A)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.84	2.87	2.90	2.71	2.87	---	---	---	3.11	3.83	3.95	4.55
10	2.84	2.87	2.97	2.67	2.89	---	---	---	3.38	3.82	4.18	4.59
15	2.86	2.78	2.80	2.68	2.84	---	---	2.82	3.56	3.63	4.38	4.52
20	2.89	2.91	2.86	2.79	---	---	---	3.09	3.47	3.67	4.42	4.58
25	2.81	2.95	2.90	2.73	---	---	---	3.16	3.79	3.63	4.43	4.96
EOM	2.72	2.76	2.62	2.82	---	---	---	2.92	3.85	3.73	4.51	5.00

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.11	5.67	5.45	5.11	5.26	5.12	5.17	5.39	5.36	6.26	6.78	7.09
10	5.21	5.87	5.58	5.29	5.25	4.98	5.23	5.39	5.72	6.18	6.76	7.40
15	5.41	5.77	5.36	5.29	---	4.91	5.30	5.38	5.96	6.40	6.76	7.33
20	5.37	5.73	5.36	5.29	5.21	4.86	5.43	5.36	6.07	6.63	6.76	7.19
25	5.48	5.45	5.23	5.14	5.27	4.87	5.40	5.36	6.07	6.70	6.76	7.24
EOM	5.56	5.34	5.07	5.26	5.20	4.95	5.40	5.36	6.34	6.75	6.76	7.29

340054088281802. Local number C67. (USCE 95B)

LOCATION.--Lat 34°00'54", long 88°28'18", Hydrologic Unit 03160101, SW $\frac{1}{4}$ SW $\frac{1}{4}$ sec.21, T.12 S., R.8 E., 0.5 mi (0.8 km) north of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 20 ft (6.1 m), cased to 10 ft (3 m).

DATUM.--Land-surface datum is about 220 ft (67.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.65 ft (0.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.38 ft (0.4 m) below land-surface datum, March 31, 1976; lowest measured, 5.06 ft (1.5 m) below land-surface datum, October 16, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	2.37	1.68	1.46	1.66	---	1.99	2.43	2.65	2.52	3.20
10	---	---	2.22	1.64	1.55	1.71	---	2.00	2.19	2.41	2.67	2.84
15	---	2.72	2.20	1.56	1.55	---	1.69	1.93	2.14	2.58	2.79	2.78
20	---	2.16	2.27	1.49	1.50	1.71	1.80	2.20	2.29	2.62	2.72	2.68
25	---	2.28	1.90	1.51	1.57	1.77	1.90	2.32	2.47	2.53	2.97	2.52
EOM	---	2.35	1.62	1.60	1.54	---	1.99	2.17	2.54	2.58	3.03	2.74

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	2.63	2.50	2.48	2.14	2.07	1.91	1.52	2.07	2.18	2.44	2.91	2.37
10	2.74	2.44	2.44	2.15	1.93	1.68	1.61	2.06	2.35	2.64	2.87	2.54
15	2.82	2.47	2.45	2.07	1.94	1.71	1.67	1.73	2.35	2.73	3.10	2.75
20	2.44	2.52	2.39	2.11	1.83	1.71	1.84	2.00	2.16	2.72	3.24	2.79
25	2.46	2.50	2.37	2.06	1.84	1.64	1.86	2.28	2.31	2.89	3.41	3.03
EOM	2.47	2.44	2.08	2.06	1.87	1.38	1.89	2.23	2.40	2.65	2.72	2.99

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.23	2.58	2.56	2.15	1.90	---	---	---	2.36	2.92	2.88	3.71
10	3.02	2.69	2.59	1.89	1.94	---	---	---	2.46	2.52	3.16	3.35
15	3.20	2.61	2.35	1.79	1.98	---	---	2.34	2.39	2.64	3.36	3.22
20	3.12	2.66	2.37	1.91	---	---	---	2.41	2.45	2.72	2.98	3.09
25	2.90	2.74	2.35	1.76	---	---	---	2.27	2.68	2.67	3.29	3.10
EOM	2.42	2.46	2.15	1.87	---	---	---	2.00	2.82	2.66	3.62	2.75

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	3.10	2.38	1.88	1.93	1.63	1.73	1.75	1.91	2.14	2.67	2.99	4.04
10	2.65	2.57	1.81	1.76	1.68	1.52	1.85	1.59	2.14	2.47	3.00	4.25
15	2.94	2.58	1.78	1.79	1.74	1.49	1.91	1.65	2.30	2.67	3.07	3.50
20	3.11	2.38	1.83	1.70	1.78	1.55	1.94	1.77	2.35	2.92	3.40	4.08
25	2.47	2.13	1.84	1.48	1.83	1.52	1.97	1.88	2.39	3.04	3.68	4.27
EOM	2.66	1.78	1.82	1.63	1.74	1.67	2.05	1.96	2.54	2.87	3.74	4.37

MONROE COUNTY--Continued

340018088270701. Local number C60. (USCE 96A)
 LOCATION.--Lat 34°00'18", long 88°27'07", Hydrologic Unit 03160101, NW¼SE¼ sec.20, T.12 S., R.18 W., 0.8 mi (1.3 km) northeast of Amory.
 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 (10.2 cm), depth 164 ft (50 m), cased to 154 ft (46.9 m).
 DATUM.--Land-surface datum is about 253 ft (77.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.8 ft (0.2 m).
 PERIOD OF RECORD.--August 1972 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 20.92 ft (6.4 m) below land-surface datum, April 26, 1973; lowest measured, 26.66 ft (8.1 m) below land-surface datum, September 1, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG 30	22.38	NOV 17	22.44	MAR 7	21.39	APR 26	20.92	MAY 30	21.12	JUL 11	21.02
OCT 16	22.29	JAN 23	21.59	MAR 22	21.00						

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 4	21.30	MAR 20	21.25	APR 10	21.31

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	22.30	NOV 29	22.17	DEC 16	21.72	FEB 9	21.09	JUN 12	21.08	SEP 25	21.57

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	21.36	MAR 10	21.27	JUN 11	21.66	AUG 27	22.77

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	22.80	FEB 15	22.64	MAY 12	22.82	AUG 3	23.79

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 17	24.91	FEB 16	24.42	JUN 8	24.81	SEP 1	26.66

340018088270702. Local number C70. (USCE 96B)
 LOCATION.--Lat 34°00'18", long 88°27'07", Hydrologic Unit 03160101, SW¼SE¼ sec.20, T.12 S., R.18 W., 0.5 mi (0.8 km) north of Amory.
 Owner: Irma Tubbs.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.
 WELL CHARACTERISTICS.--Dug unused water table well, diameter 24 in (61 cm), depth 16 ft (4.9 m).
 DATUM.--Land-surface datum is about 257 ft (78.3 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 2.9 ft (0.9 m) above land-surface datum.
 PERIOD OF RECORD.--August 1972 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.13 ft (0.6 m) below land-surface datum, April 26, 1973; lowest measured, 11.74 ft (3.6 m) below land-surface datum, October 16, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	3.77	2.88	2.75	---	---	---	4.65	6.21	6.87	8.19
10	---	---	3.24	2.90	3.37	3.97	---	4.03	4.49	6.24	6.87	8.19
15	---	6.32	3.33	3.10	---	---	---	4.50	3.45	6.28	7.07	8.18
20	---	4.09	3.66	2.78	---	---	---	4.59	4.32	6.71	7.22	8.18
25	---	3.56	2.55	2.99	---	---	---	5.23	5.18	6.71	7.59	5.69
EOM	---	3.73	2.36	3.52	---	---	---	4.23	5.75	6.87	7.90	5.94

MONROE COUNTY--Continued

340018088270702. Local number C70. (USCE 96B)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	5.80	4.55	3.72	2.97	3.81	4.04	3.33	5.69	3.64	6.12	7.48	5.52
10	5.81	3.92	3.72	3.17	3.39	2.65	4.06	5.99	4.15	6.64	7.80	5.30
15	6.20	3.84	3.86	2.97	3.67	3.18	4.36	5.98	4.89	7.04	8.12	6.05
20	3.93	4.04	3.99	3.47	3.26	3.23	4.78	3.39	5.17	7.02	8.43	6.58
25	4.38	3.81	4.13	3.62	3.43	3.36	5.40	4.17	5.68	7.46	8.73	7.07
EOM	4.26	3.50	3.14	3.50	3.74	2.54	5.66	4.78	5.59	6.84	7.19	7.46

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	7.79	5.38	4.10	3.29	---	---	---	---	5.76	8.10	8.78	9.97
10	7.85	5.54	4.24	2.74	---	---	---	---	6.41	8.23	9.01	10.05
15	8.08	5.35	3.34	2.72	---	---	---	5.92	6.91	7.83	9.26	10.16
20	8.31	5.29	3.57	3.42	---	---	---	6.40	7.12	8.08	9.36	10.16
25	8.37	5.36	3.50	---	---	---	---	6.72	7.46	8.39	9.54	10.33
EOM	5.68	4.06	3.17	---	---	---	---	5.71	7.78	8.53	9.77	9.94

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.06	9.93	2.83	3.76	3.53	3.41	4.57	5.44	6.39	7.68	9.53	10.64
10	9.93	9.93	3.16	2.77	3.81	2.54	4.95	2.91	5.55	7.99	9.72	10.79
15	9.93	9.93	3.07	3.14	4.00	2.56	5.26	3.34	6.07	8.27	9.92	10.87
20	9.93	3.94	3.11	3.02	4.16	3.35	5.65	4.12	6.57	8.65	10.13	10.97
25	9.93	2.81	3.50	2.43	4.40	3.66	5.87	5.02	6.89	8.96	10.30	11.06
EOM	9.93	2.25	3.44	3.19	4.42	4.12	6.23	5.78	7.29	9.26	10.59	11.16

335902088314501. Local number C80. (USCE TTM 6A)

LOCATION.--Lat 33°59'02", long 88°31'45", Hydrologic Unit 03160101, NE¼NE¼ sec.33, T.13 S., R.19 W., 2.0 mi (3.2 km) west of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Tombigbee sand member of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 65 ft (19.8 m), cased to 55 ft (16.8 m).

DATUM.--Land-surface datum is about 210 ft (64 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 5.26 ft (1.6 m) below land-surface datum, March 10, 1976; lowest measured 11.07 ft (3.4 m) below land-surface datum, November 9, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 12	6.62	SEP 25	9.44

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	8.05	MAR 10	5.26	JUN 11	7.99	AUG 27	10.33

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 9	11.07	FEB 15	8.86	MAY 11	7.02	AUG 3	9.90

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	10.41	FEB 16	6.92	JUN 8	6.79	SEP 1	10.00

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

MONROE COUNTY--Continued

335902088314502. Local number C81. (USCE TTM 6B)

LOCATION.--Lat 33°59'02", long 88°31'45", Hydrologic Unit 03160101, NE¼NE¼ sec.33, T.13 S., R.19 W., 2.0 mi (3.2 km) west of Amory.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 38 ft (11.6 m), cased to 28 ft (8.5 m).

DATUM.--Land-surface datum is about 210 ft (64 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.90 ft (1.5 m) below land-surface datum, March 10, 1976; lowest measured, 10.73 ft (3.3 m) below land-surface datum, November 8, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 12	6.48	SEP 25	9.04	DEC 11	7.65	MAR 10	4.90	JUN 11	7.60	AUG 27	9.78

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 8	10.73	FEB 15	8.50	MAY 11	6.65	AUG 3	9.57

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	10.06	FEB 16	6.56	JUN 8	6.29	SEP 1	9.66

335445088312501. Local number H17. (USCE TTM 5A)

LOCATION.--Lat 33°54'45", long 88°31'25", Hydrologic Unit 03160101, SE¼SW¼ sec.22, T.13 S., R.19 W., 6.4 mi (10.3 km) north of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 90 ft (27.4 m), cased to 80 ft (24.4 m).

DATUM.--Land-surface datum is about 200 ft (61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.12 ft (2.2 m) below land-surface datum, March 10, 1976; lowest measurement 14.14 ft (4.3 m) below land-surface datum, September 1, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 11	8.75	SEP 25	12.00

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	10.74	MAR 10	7.12	JUN 8	9.98	AUG 27	13.38

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 8	13.28	FEB 15	10.58	MAY 11	9.20	AUG 3	13.19

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	11.86	FEB 16	9.73	JUN 8	9.34	SEP 1	14.14

MONROE COUNTY--Continued

335445088312502. Local number H18. (USCE TTM 5B)
 LOCATION.--Lat 33°54'45", long 88°31'25", Hydrologic Unit 03160101, SE¼SW¼ sec.22, T.13 S., R.19 W., 6.4 mi (10.3 km) north of Aberdeen.
 Owner: U.S. Army, Corps of Engineers.
 AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 26 ft (7.9 m), cased to 16 ft (4.9 m).
 DATUM.--Land-surface datum is about 200 ft (61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.
 PERIOD OF RECORD.--June 1975 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 6.70 ft (2 m) below land-surface datum, March 10, 1976; lowest measured, 12.79 ft (3.9 m) below land-surface datum, September 1, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 11	9.86	SEP 25	11.94

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	10.44	MAR 10	6.70	JUN 8	9.46	AUG 27	11.83

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 8	12.76	FEB 15	10.20	MAY 11	8.12	AUG 3	11.88

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	10.10	FEB 16	8.88	JUN 8	8.44	SEP 1	12.79

335117088332801. Local number L63. (USCE 101A)
 LOCATION.--Lat 33°51'17", long 88°33'28", Hydrologic Unit 03610101, SW¼SW¼ sec.15, T.14 S., R.7 E., 2.0 mi (3.2 km) north of Aberdeen.
 Owner: U.S. Army, Corps of Engineers.
 AQUIFER.--Sand of Eutaw of late Cretaceous age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 90 ft (27.4 m), cased to 80 ft (24.4 m).
 DATUM.--Land-surface datum is about 202 ft (61.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.60 ft (0.49 m) above land-surface datum.
 PERIOD OF RECORD.--August 1972 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 11.92 ft (3.6 m) below land-surface datum, March 22, 1973; lowest measured, 23.99 ft (7.3 m) below land-surface datum, August 30, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL
AUG 30	20.66

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	21.34	JAN 23	15.29	MAR 7	15.05	MAR 22	11.92	APR 26	13.90	MAY 30	15.71

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 4	14.01	MAR 11	15.63	APR 8	16.02

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

MONROE COUNTY--Continued

335117088332801. Local number L63. (USCE 101A)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	20.38	NOV 29	20.74	DEC 16	19.85	JUN 11	17.05	SEP 26	21.60

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	21.17	MAR 10	17.42	JUN 8	18.89	AUG 27	22.40

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 8	22.87	FEB 15	21.80	MAY 11	18.57	JUL 28	22.74

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	24.03	FEB 16	19.68	JUN 8	19.42	AUG 30	23.99

335117088332802. Local number L69. (USCE 101B)

LOCATION.--Lat 33°51'17", long 88°33'28", Hydrologic Unit 03160101, SW¼SW¼ sec.15, T.14 S., R.7 E., 2.0 mi (3.2 km) north of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Terraces, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 20 ft (6.1 m), cased to 15 ft (4.6 m).

DATUM.--Land-surface datum is about 202 ft (61.6 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.6 ft (0.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.05 ft (0.6 m) below land-surface datum, May 30, 1973; lowest measured, 10.54 ft (3.2 m) below land-surface datum, August 30, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL
AUG 30	8.98

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 28	9.81	JAN 23	2.67	MAR 7	2.85	MAR 22	2.70	APR 26	4.96	MAY 30	2.05

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 4	2.55	MAR 11	4.05	APR 8	3.55

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	8.70	NOV 29	8.79	DEC 16	7.86	JUN 11	6.17	SEP 26	9.69

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	8.39	MAR 11	2.70	JUN 8	5.59	AUG 27	9.59

MONROE COUNTY--Continued

335117088332802. Local number L69. (USCE 101B)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 8	9.96	FEB 15	4.87	MAY 11	5.55	JUL 28	9.87

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	9.53	FEB 16	3.86	JUN 8	6.24	AUG 30	10.54

335118088323201. Local number L64. (USCE 102A)

LOCATION.--Lat 34°51'18", long 88°32'32", Hydrologic Unit 03160101, NW¼NW¼ sec.23, T.14 S., R.7 E., 2.0 mi (3.2 km) north of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 50 ft (15.2 m), cased to 40 ft (12.2 m).

DATUM.--Land-surface datum is about 191 ft (58.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.9 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.02 ft (0.3 m) above land-surface datum, March 22, 1973; lowest measured, 11.46 ft (3.5 m) below land-surface datum, October 19, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL
AUG 30	10.65

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	-11.46	MAR 7	- 2.74	MAR 22	1.02	APR 26	- 1.36	MAY 30	- 4.12	JUL 11	- 6.76
JAN 23	- 3.00										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 4	0.68	MAR 11	4.52	APR 8	3.75

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	7.38	NOV 29	8.23	DEC 16	7.67	JUN 11	5.94	SEP 26	9.69

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	8.42	MAR 11	4.65	JUN 8	6.39	AUG 27	9.30

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 8	10.45	FEB 15	8.54	MAY 11	5.56	JUL 28	8.56

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	9.26	FEB 16	1.90	AUG 30	10.24

MONROE COUNTY--Continued

335118088323202. Local number L68. (USCE 102B)

LOCATION.--Lat 33°51'18", long 88°32'32", Hydrologic Unit 03160101, NW¼NW¼ sec.23, T.14 S., R.7 E., 2.0 mi (3.2 km) north of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 30 ft (9.1 m), cased to 25 ft (7.6 m).

DATUM.--Land-surface datum is about 191 ft (58.2 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 3.0 ft (0.9 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.05 ft (0.3 m) above land-surface datum, March 22, 1973; lowest measured, 8.80 ft (2.7 m) below land-surface datum, December 11, 1975.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL
AUG 30	1.07

WATER LEVEL, IN FEET ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	- 4.83	MAR 7	- 1.91	MAR 22	1.05	APR 26	- 1.74	MAY 30	- 2.60	JUL 11	- 3.65
JAN 23	- 1.41										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 4	0.20	MAR 11	1.98	APR 8	1.82

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	3.72	NOV 29	4.09	DEC 16	3.89	JUN 11	3.68	SEP 26	6.60

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	8.80	MAR 11	2.59	JUN 8	3.17	AUG 27	5.10

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 8	7.00	FEB 15	3.60	MAY 11	2.36	JUL 28	5.42

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	5.52	FEB 16	5.89	AUG 30	5.76

335122088305201. Local number L65. (USCE 104A)

LOCATION.--Lat 33°51'22", long 88°30'52", Hydrologic Unit 03160101, SE¼SE¼ sec.10, T.14 S., R.19 W., 2.3 mi (3.7 km) northeast of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 55 ft (16.8 m), cased to 50 ft (15.2 m).

DATUM.--Land-surface datum is about 194 ft (59.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.5 ft (0.2 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 2.30 ft (0.7 m) below land-surface datum, April 8, 1974; lowest measured, 9.70 ft (3 m) below land-surface datum, October 20, 1972.

MONROE COUNTY--Continued

335122088305202. Local number L67. (USCE 104A)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL
AUG 30	8.85

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	9.70	NOV 16	8.51	JAN 23	8.42	MAR 7	2.66	MAY 30	3.59	JUL 11	4.10

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 11	3.49	APR 8	2.30

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 10	6.90	DEC 16	4.79	JUN 26	5.32	SEP 25	7.39

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	4.67	MAR 10	2.38	JUN 8	3.67	AUG 27	7.55

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 8	7.98	FEB 15	3.94	MAY 11	4.11	AUG 3	8.53

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	6.49	FEB 16	3.66	JUN 8	3.59	SEP 1	8.66

335122088305202. Local number L67. (USCE 104B)

LOCATION.--Lat 33°51'22", long 88°30'52", Hydrologic Unit 03160101, SE¼SE¼ sec.10, T.14 S., R.19 E., 2.3 mi (3.7 km) northeast of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 24 ft (7.3 m), cased to 19 ft (5.8 m).

DATUM.--Land-surface datum is about 194 ft (59.1 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing at land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.86 ft (0.5 m) below land-surface datum, March 10, 1976; lowest measured 9.24 (2.8 m) below land-surface datum, October 20, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL
AUG 30	8.49

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 20	9.24	NOV 16	8.87	JAN 23	2.53	MAR 7	2.25	MAY 30	3.55	JUL 11	3.25

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

MONROE COUNTY--Continued

335122088305202. Local number L67. (USCE 104B)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL
MAR 11	2.35	APR 8	2.05

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	6.27	DEC 16	4.79	JUN 26	4.81	SEP 25	7.26

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	3.72	MAR 10	1.86	JUN 8	3.47	AUG 27	6.95

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 8	7.66	FEB 15	3.04	MAY 11	3.84	AUG 3	7.84

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	4.01	FEB 16	3.10	JUN 8	2.86	SEP 1	8.03

335122088293001. Local number L62. (USCE 105A)

LOCATION.--Lat 33°51'22", long 88°29'30", Hydrologic Unit 03160101, SW¼SW¼ sec.19, T.14 S., R.19 W., 3.7 mi (6.0 km) northeast of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 64 ft (19.5 m), cased to 54 ft (16.4 m).

DATUM.--Land-surface datum is about 210 ft (64 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.8 ft (0.2 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured 6.20 ft (1.9 m) below land-surface datum, March 22, 1973; lowest measured 13.94 ft (4.2 m) below land-surface datum, September 30, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	10.91	8.04	7.50	7.69	7.47	8.01	9.53	10.68	10.82	12.04
10	---	---	10.56	8.04	7.59	7.96	7.69	7.80	9.82	10.64	10.90	12.05
15	---	11.56	10.30	7.57	7.57	6.63	7.59	8.11	9.38	10.65	11.13	12.17
20	---	11.34	10.23	7.63	7.03	6.88	7.70	8.44	9.50	10.88	11.28	12.20
25	---	11.13	9.98	7.63	7.23	7.04	8.04	8.95	9.94	11.07	11.55	12.15
EOM	---	11.01	8.39	7.77	7.36	7.11	8.09	9.21	10.35	11.08	11.82	12.27

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.37	11.84	---	9.60	9.00	8.53	7.46	9.58	9.17	10.69	11.75	11.71
10	12.40	---	---	9.24	8.28	8.07	7.96	9.80	9.59	10.97	11.92	11.54
15	12.55	---	10.79	9.06	8.40	8.06	8.28	9.40	10.02	11.14	12.16	11.68
20	11.94	---	10.73	9.10	8.21	7.93	8.67	10.03	11.36	12.31	11.86	11.86
25	11.87	---	10.74	9.12	8.16	7.96	9.04	9.02	10.26	11.62	12.53	12.06
EOM	11.81	---	10.11	8.83	8.32	7.40	9.32	9.15	10.49	11.54	11.91	12.17

MONROE COUNTY--Continued

335122088293001. Local number L62. (USCE 105A)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	12.33	12.20	11.67	10.18	9.01	---	---	---	10.67	12.28	12.87	13.78
10	12.33	12.23	11.65	9.74	9.18	---	---	---	11.03	12.47	13.09	13.79
15	12.48	12.17	11.27	9.06	9.16	---	---	9.27	11.30	12.50	13.25	13.84
20	12.58	12.16	11.09	8.94	---	---	---	9.71	11.45	12.62	13.26	13.72
25	12.62	12.18	10.95	8.85	---	---	---	10.08	11.73	12.80	13.44	13.76
EQM	12.31	11.91	10.30	8.90	---	---	---	10.34	12.01	12.66	13.64	13.70

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	13.57	12.37	8.99	9.23	8.42	8.85	9.10	10.14	10.07	10.66	12.36	13.27
10	13.24	12.22	9.08	8.83	8.63	8.54	9.34	8.21	9.50	11.03	12.50	13.48
15	13.07	12.23	9.02	8.70	8.81	8.21	9.51	8.21	9.23	11.31	12.64	13.57
20	13.18	11.93	9.02	8.60	9.01	8.24	9.83	8.65	9.48	11.69	12.85	13.69
25	13.23	10.41	9.15	8.55	9.19	8.44	10.09	9.15	9.64	11.96	13.03	13.84
EQM	12.59	9.69	9.20	8.28	9.27	8.79	10.34	9.65	10.20	12.10	13.17	13.94

334958088323602. Local number L77. (USCE AB10)

LOCATION.--Lat 33°49'58", long 88°32'36", Hydrologic Unit 03160101, SW¼SW¼ sec.26, T.14 S., R.7 E., in Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 145 ft (44.2 m), cased to 135 ft (41.1 m).

DATUM.--Land-surface datum is about 200 ft (61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.5 ft (1.1 m) above land-surface datum.

PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 33.17 ft (10.1 m) below land-surface datum, May 11, 1977; lowest measured, 56.68 ft (17.3 m) below land-surface datum, January 31, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	---	---	---	---	42.30	---
10	---	---	---	---	---	---	---	33.17	---	---	---	---
15	---	---	---	---	46.10	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
EQM	---	---	---	---	---	---	---	---	---	---	---	48.22

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	44.67	35.54	45.21	41.32	50.22	---	40.00	43.40	49.24	---	40.75
10	---	44.67	36.87	45.20	38.59	---	46.34	52.43	48.88	49.24	---	40.05
15	---	44.67	36.92	38.23	47.20	48.49	49.60	47.37	48.51	49.22	---	38.87
20	---	39.13	38.29	37.56	49.07	44.91	49.44	45.48	48.93	---	---	38.99
25	48.01	36.31	37.50	53.69	50.67	49.53	51.37	---	49.51	---	---	38.14
EQM	44.67	35.90	53.03	56.68	45.12	50.43	52.13	47.54	49.24	---	40.36	38.14

334958088323601. Local number L75. (USCE AB11)

LOCATION.--Lat 33°49'58", long 88°32'36", Hydrologic Unit 03160101, SE¼SE¼ sec.26, T.14 S., R.7 E., in Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--McShan sand member of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 224 ft (68.3 m), cased to 204 ft (62.2 m).

DATUM.--Land-surface datum is about 200 ft (61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 3.2 ft (1 m) above land-surface datum.

PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.11 ft (4.0 m) below land-surface datum, May 11, 1977; lowest measured 25.30 ft (7.7 m) below land-surface datum, September 30, 1978.

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

MONROE COUNTY--Continued

334958088323601. Local number L75. (USCE AB11)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	---	---	14.62	14.79	19.50	21.21
10	---	---	---	---	---	---	---	---	14.60	14.79	20.09	21.35
15	---	---	---	---	---	---	---	13.22	14.42	14.79	20.18	21.47
20	---	---	---	---	---	---	---	13.72	14.39	14.79	20.40	21.50
25	---	---	---	---	---	---	---	13.78	14.79	14.79	20.81	21.61
EOM	---	---	---	---	---	---	---	14.21	14.79	19.25	21.10	21.72

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	21.84	21.97	---	---	---	---	---	---	---	24.07	24.66	24.97
10	21.73	22.10	---	---	---	---	---	---	22.76	24.32	24.77	25.02
15	21.93	22.17	---	---	---	---	---	---	23.04	24.17	24.87	25.04
20	22.09	21.96	---	---	21.99	---	---	---	23.37	24.54	24.92	25.12
25	22.09	21.96	---	---	21.99	---	---	---	23.65	24.55	24.98	25.20
EOM	22.02	21.96	---	---	---	---	---	---	23.85	24.57	24.97	25.30

334958088323603. Local number L78. (USCE AB12)

LOCATION.--Lat 33°49'58", long 88°32'36", Hydrologic Unit 03160101, SW¼SW¼ sec.26, T.14 S., R.7 E., in Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 90 ft (27.4 m), cased to 80 ft (24.4 m).

DATUM.--Land-surface datum is about 200 ft (61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor 3.0 ft (0.9 m) above land-surface datum.

PERIOD OF RECORD.--February 1977 to current year.

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 30.94 ft (3.96 m) below land-surface datum, May 11, 1977; lowest measured, 43.81 ft (13.4 m) below land-surface datum, August 30, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	---	---	---	---	---	---	42.19	43.28	38.95	39.47
10	---	---	---	---	---	---	---	---	40.92	43.02	38.93	38.93
15	---	---	---	---	---	---	---	34.38	40.97	43.03	38.72	38.80
20	---	---	---	---	---	---	---	39.59	42.27	42.84	38.45	38.52
25	---	---	---	---	---	---	---	35.89	42.14	42.09	40.68	38.39
EOM	---	---	---	---	---	---	---	39.02	41.95	40.39	41.36	39.72

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	38.96	36.84	30.94	38.71	34.92	38.45	40.09	37.09	39.00	43.68	---	---
10	36.75	36.77	31.10	33.39	34.85	36.86	40.17	31.07	35.80	---	---	---
15	37.48	36.84	32.83	33.83	36.92	36.25	39.12	31.07	36.04	---	---	---
20	38.02	35.41	33.29	32.81	38.58	32.21	38.75	34.60	36.81	---	---	---
25	39.75	30.98	34.18	36.29	39.86	36.87	40.73	38.65	39.14	---	---	---
EOM	37.34	32.29	38.09	35.19	40.27	38.61	41.92	36.71	40.49	---	---	---

334910088311501. Local number L73. (USCE TTM 4A)

LOCATION.--Lat 33°49'10", long 88°31'15", Hydrologic Unit 03160101, SE¼NW¼ sec.36, T.14 S., R.7 E., 1.3 mi (2.1 km) east of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 177 ft (53.9 m), cased to 167 ft (50.9 m).

DATUM.--Land-surface datum is about 200 ft (61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.2 ft (1.6 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 14.04 ft (4.3 m) below land-surface datum, March 11, 1976; lowest measured, 31.42 ft (9.6 m) below land-surface datum, August 30, 1978.

MONROE COUNTY--Continued

334910088311501. Local number L73. (USCE TTM 4A)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 10	15.25	SEP 23	17.05

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	16.34	MAR 11	14.04	MAY 24	14.71	AUG 27	16.63

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 8	16.59	FEB 15	15.50	MAY 11	18.65	JUL 28	30.78

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	27.54	FEB 16	24.89	JUN 8	22.28	AUG 30	31.42

334910088311502. Local number L74. (USCE TTM 4B)

LOCATION.--Lat 33°49'10", long 88°31'15", Hydrologic Unit 03160101, SE¼NW¼ sec.36, T.14 S., R.7 E., 1.3 mi (2.1 km) east of Aberdeen.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated, of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 26 ft (7.9 m), cased to 16 ft (4.9 m).

DATUM.--Land-surface datum is about 200 ft (61 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.3 ft (1.6 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 9.02 ft (2.7 m) below land-surface datum, March 11, 1976; lowest measured, 13.00 ft (4 m) below land-surface datum, August 30, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 10	10.29	SEP 23	11.80

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 11	10.45	MAR 11	9.02	MAY 24	9.62	AUG 27	11.96

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 8	12.55	FEB 15	10.07	MAY 11	10.34	JUL 28	12.53

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	11.79	FEB 16	9.87	JUN 8	9.12	AUG 30	13.00

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

LOWNDES COUNTY

333805088291001. Local number A33. (USCE TTM 3A)
 LOCATION.--Lat 33°38'05", long 88°29'10", Hydrologic Unit 03160101, NW¼NW¼ sec.36, T.16 S., R.19 W., 10 mi (16.1 km) northwest of Columbus.
 Owner: U.S. Army, Corps of Engineers.
 AQUIFER.--Sand of Eutaw of late Cretaceous age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 78 ft (23.8 m), cased
 DATUM.--Land-surface datum is about 182 ft (55.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.
 PERIOD OF RECORD.--June 1975 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.27 ft (0.4 m) below land-surface datum, June 9, 1978; lowest measured, 8.28 ft (2.5 m) below land-surface datum, August 1, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 6	4.03	SEP 26	7.26

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	6.33	MAR 11	1.46	JUN 8	3.30	SEP 1	7.06

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 8	7.64	FEB 15	2.73	MAY 11	3.60	AUG 1	8.28

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	7.26	FEB 16	2.40	JUN 9	1.27	AUG 30	6.84

333805088291002. Local number A34. (USCE TTM 3B)
 LOCATION.--Lat 33°38'05", long 88°29'10", Hydrologic Unit 03160104, NW¼NW¼ sec.36, T.16 S., R.19 W., 10 mi (16.1 km) northwest of Columbus.
 Owner: U.S. Army, Corps of Engineers.
 AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 31 ft (9.4 m), cased to 21 ft (6.4 m).
 DATUM.--Land-surface datum is about 182 ft (55.5 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 4.9 ft (1.5 m) above land-surface datum.
 PERIOD OF RECORD.--June 1975 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 1.32 ft (0.4 m) below land-surface datum, June 9, 1978; lowest measured 8.39 ft (2.6 m) below land-surface datum, November 18, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 6	4.19	SEP 26	7.65

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	6.30	MAR 8	3.34	MAR 11	1.40	SEP 1	7.07

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 8	7.60	FEB 15	2.71	MAY 12	3.35	AUG 1	7.87

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	8.39	FEB 16	4.35	JUN 9	1.32	AUG 30	7.08

LOWNDES COUNTY--Continued

33335088282502. Local number C100. (USCE 114B)
 LOCATION.--Lat 33°33'55", long 88°28'25", Hydrologic Unit 03160101, SE¼SE¼ sec.24, T.17 S., R.19 W., 5.2 mi (1.6 km) northwest of Columbus.
 Owner: U.S. Army, Corps of Engineers.
 AQUIFER.--Terraces, undifferentiated, of Quaternary age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 47 ft (14.3 m), cased to 37 ft (11.3 m).
 DATUM.--Land-surface datum is about 170 ft (51.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 1.0 ft (0.3 m) above land-surface datum.
 PERIOD OF RECORD.--September 1972 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.82 ft (0.2 m) above land-surface datum, March 23, 1973; lowest measured, 7.68 ft (2.3 m) below land-surface datum, September 7, 1972.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL
SEP 7	7.68

WATER LEVEL, ABOVE AND (-) BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	- 8.19	MAR 7	- 4.41	MAR 23	0.82	APR 25	- 3.35	MAY 30	- 5.19	JUL 11	- 5.84
JAN 23	- 3.78										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 4	3.50	MAR 11	4.64	APR 8	3.97

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	6.65	DEC 16	6.39	FEB 7	4.25	JUN 5	5.57	SEP 11	7.20	SEP 26	7.29
NOV 29	6.77										

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	6.10	MAR 11	4.98	JUN 8	6.29	SEP 1	7.42

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 8	5.54	FEB 11	6.25	MAY 12	6.05	AUG 1	7.41

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	6.75	JUN 9	5.17	AUG 30	7.24

33335088282503. Local number C101. (USCE 114C)
 LOCATION.--Lat 33°33'55", long 88°28'25", Hydrologic Unit 03160101, SE¼SE¼ sec.24, T.17 S., R.19 W., 5.2 mi (1.6 km) northwest of Columbus.
 Owner: U.S. Army, Corps of Engineers.
 AQUIFER.--Sand of Eutaw of late Cretaceous age.
 WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 92 ft (28 m), cased to 82 ft (25 m).
 DATUM.--Land-surface datum is about 170 ft (51.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 2.3 ft (0.7 m) above land-surface datum.
 PERIOD OF RECORD.--September 1972 to current year.
 EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.59 ft (0.2 m) below land-surface datum, March 23, 1973; lowest measured, 10.15 ft (3.1 m) below land-surface datum, August 30, 1978.

LOWNDES COUNTY--Continued

333355088282503. Local number C101. (USCE 114C)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	WATER
DATE	LEVEL

SEP 7 5.00

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19 JAN 23	5.39 3.23	MAR 7	3.28	MAR 23	0.59	APR 27	2.28	MAY 30	3.19	JUL 11	3.80

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 4	2.37	MAR 11	3.50	APR 8	2.26

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	5.02	NOV 29	5.15	DEC 16	5.08	JUN 5	4.01	SEP 11	5.34	SEP 26	5.37

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	5.09	MAR 11	4.72	JUN 8	5.37	SEP 1	7.01

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 8	7.75	FEB 11	7.47	MAY 12	7.14	AUG 1	8.76

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	9.44	FEB 16	8.61	JUN 9	8.58	AUG 30	10.15

333354088270501. Local number C99. (USCE 115A)
LOCATION.--Lat 33°33'54", long 88°27'05", Hydrologic Unit 03160101, SE₄SE₄ sec.19, T.17 S., R.18 W., 7.0 mi
(11.3 km) northwest of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 84 ft (25.6 m), cased to 74 ft (22.6 m).

DATUM.--Land-surface datum is about 172 ft (52.4 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 1.4 ft (0.4 m).

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 0.63 ft (0.2 m) below land-surface datum, March 22, 1973; lowest measured, 5.59 ft (1.7 m) below land-surface datum, August 30, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	WATER
DATE _____	LEVEL _____

SEP 7 4.55

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19 JAN 23	5.17 2.46	MAR 7	1.74	MAR 22	0.63	APR 27	1.18	MAY 30	1.56	JUL 11	2.22

333354088270501. Local number C99. (USCE 115A)--Continued

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 4	1.83	MAR 11	1.54	APR 8	1.36

[illegible]

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	2.88	MAR 11	1.68	JUN 8	2.00	SEP 1	4.34

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 8	4.98	FEB 11	3.19	MAY 12	2.72	AUG 1	5.32

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	5.43	FEB 16	1.52	JUN 9	3.48	AUG 30	5.59

WATER LEVEL IN FEET BELOW LAND SURFACE DATUM. WATER HEAR OCTOBER 1931 TO SEPTEMBER

DATE	WATER LEVEL
SEP 7	9.72

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	10.57	JAN 23	2.22	MAR 7	2.01	MAR 22	0.34	APR 27	1.81	MAY 30	3.43

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 4	2.10	MAR 11	2.54	APR 8	2.03

[illegible]

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

LOWNDES COUNTY--Continued

333354088270502. Local number C102. (USCE 115B)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	2.82	MAR 11	1.89	JUN 8	3.57	SEP 1	8.30

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 8	8.58	FEB 11	2.80	MAY 12	3.72	AUG 1	9.00

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	6.46	FEB 16	4.28	JUN 9	2.58	AUG 30	8.38

332935088282001. Local number F73. (USCE TTM 2A)

LOCATION.--Lat 33°29'35", long 88°28'20", Hydrologic Unit 03160101, NE¼NW¼ sec.25, T.19 N., R.17 E., 2.3 mi (3.7 km) west of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 162 ft (49.4 m), cased to 152 ft (46.3 m).

DATUM.--Land-surface datum is about 160 ft (48.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.8 ft (1.8 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 13.16 ft (4 m) below land-surface datum, June 4, 1975; lowest measured, 27.20 ft (8.3 m) below land-surface datum, August 29, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 4	13.16	SEP 26	13.70

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	13.31	MAR 11	15.51	JUN 8	19.43	SEP 1	20.86

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 3	21.64	FEB 10	22.33	MAY 12	22.80	AUG 1	23.85

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	24.30	FEB 17	25.79	JUN 9	25.42	AUG 29	27.20

332935088282002. Local number F74. (USCE TTM 2B)

LOCATION.--Lat 33°29'35", long 88°28'20", Hydrologic Unit 03160101, NE¼SW¼ sec.17, T.20 S., R.17 W., 2.3 mi (3.7 km) west of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Alluvium, undifferentiated of Quaternary age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 19 ft (5.8 m), cased to 9 ft (2.7 m).

DATUM.--Land-surface datum is about 160 ft (48.8 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.3 ft (1.6 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.67 ft (3.9 m) below land-surface datum, June 9, 1978; lowest measured, 22.81 ft (7.0 m) below land-surface datum, February 10, 1977.

LOWNDES COUNTY--Continued

332935088282002. Local number F74. (USCE TTM 2B)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 4	14.48	SEP 26	17.61

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	17.72	MAR 11	15.73	JUN 8	15.04	SEP 1	17.24

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 3	18.10	FEB 10	22.81	MAY 12	12.91	AUG 1	16.55

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	18.02	FEB 17	16.14	JUN 9	12.67	AUG 29	16.75

331915088202001. Local number Q12. (USCE TTM 1A)

LOCATION.--Lat 33°19'15", long 88°20'20", Hydrologic Unit 03160106, NE¼SW¼ sec.17, T.20 S., R.17 W., 12.3 mi (19.8 km) southeast of Columbus.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 141 ft (43 m), cased to 131 ft (39.9 m).

DATUM.--Land-surface datum is about 150 ft (45.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.0 ft (1.5 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.86 ft (2.4 m) below land-surface datum, March 11, 1976; lowest measured, 13.23 ft (4 m) below land-surface datum, August 29, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 5	11.13	SEP 26	11.27

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	11.70	MAR 11	7.86	JUN 8	10.35	SEP 1	11.92

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 8	13.05	FEB 10	12.81	APR 26	11.02	AUG 1	12.36

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 16	10.34	AUG 29	13.23

331915088202002. Local number Q13. (USCE TTM 1B)
LOCATION.--Lat 33°19'15", long 88°20'20", Hydrologic Unit 03160106, NE¼SW¼ sec.17, T.20 S., R.17 W., 12.3 mi (19.8 km) southeast of Columbus.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Alluvium, undifferentiated, of Quaternary age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 6 in (15.2 cm), depth 24 ft (7.3 m), cased to 14 ft (4.3 m).
DATUM.--Land-surface datum is about 150 ft (45.7 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 5.2 ft (1.6 m) above land-surface datum.
PERIOD OF RECORD.--June 1975 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 7.08 ft (2.2 m) below land-surface datum, April 26, 1977; lowest measured, 17.30 ft (5.3 m) below land-surface datum, November 8, 1976.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL
JUN 5	16.27	SEP 26	16.98

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	14.38	MAR 11	11.37	JUN 8	13.52	SEP 1	16.81

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 8	17.30	FEB 10	12.05	APR 26	7.08	AUG 1	16.84

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 16	10.44	AUG 29	16.58

CLAY COUNTY

333351088320301. Local number J97. (USCE 111A)
LOCATION.--Lat 33°35'51", long 88°32'03", Hydrologic Unit 03160101, SW¼SW¼ sec.26, T.17 S., R.7 E., 7.2 mi (11.6 km) southeast of West Point.
Owner: U.S. Army, Corps of Engineers.
AQUIFER.--Sand of Eutaw of late Cretaceous age.
WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 110 ft (33.5 m), cased to 100 ft (30.5 m).
DATUM.--Land-surface datum is about 180 ft (54.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of casing 0.3 ft (0.21 m) above land-surface datum.
PERIOD OF RECORD.--September 1972 to current year.
EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 12.00 ft (3.7 m) below land-surface datum, March 22, 1973; lowest measured, 22.16 ft (6.8 m) below land-surface datum, August 30, 1978.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	WATER LEVEL
SEP 2	14.63

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 19	15.18	JAN 23	13.87	MAR 22	12.00	APR 27	12.90	MAY 30	13.17	JUL 11	13.75
NOV 16	15.03	MAR 7	13.52								

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB 4	14.05	MAR 11	14.32	APR 8	4.16

CLAY COUNTY--Continued

333351088320301. Local number J97. (USCE 111A)--Continued

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT 16	15.92	NOV 29	16.08	DEC 16	15.84	JUN 5	15.10	SEP 11	16.81	SEP 26	16.99

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC 10	16.94	MAR 11	16.29	JUN 8	16.61	SEP 1	18.38

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 8	18.63	FEB 10	18.72	MAY 12	17.97	AUG 1	19.69

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV 18	20.17	FEB 16	20.38	JUN 9	20.15	AUG 30	22.16

333402088301001. Local number J98. (USCE 112A)

LOCATION.--Lat 33°40'20", long 88°30'10", Hydrologic Unit 03160101, NE¼SE¼ sec.30, T.17 S., R.8 E., 8.8 mi (14.2 m) southeast of West Point.

Owner: U.S. Army, Corps of Engineers.

AQUIFER.--Sand of Eutaw of late Cretaceous age.

WELL CHARACTERISTICS.--Drilled unused artesian well, diameter 4 in (10.2 cm), depth 58 ft (17.7 m), cased to 48 ft (14.6 m).

DATUM.--Land-surface datum is about 190 ft (57.9 m) National Geodetic Vertical Datum of 1929. Measuring point: Top of recorder house floor, 0.7 ft (0.2 m) above land-surface datum.

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

EXTREMES FOR PERIOD OF RECORD.--Highest water level measured, 4.80 ft (1.5 m) below land-surface datum, April 22, 1973; lowest measured, 11.67 ft (3.6 m) below land-surface datum, September 6, 1977.

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	---	---	7.97	---	---	---	5.02	5.38	6.22	7.77	8.98	9.02
10	---	---	7.67	---	---	5.25	5.02	5.63	6.44	8.05	9.02	9.02
15	---	8.55	7.44	---	---	5.18	5.05	---	6.62	8.33	9.02	9.73
20	---	8.46	7.28	---	---	5.09	---	---	6.89	8.56	9.02	9.78
25	---	8.33	---	---	---	5.01	4.97	---	7.16	8.79	9.02	9.76
EOM	---	8.12	---	---	---	4.96	5.07	---	7.47	8.98	9.02	9.82

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	9.89	9.39	8.65	7.90	6.86	6.14	5.50	6.50	6.31	7.51	8.16	10.09
10	9.86	9.25	8.51	7.66	6.69	---	5.57	6.55	6.49	7.77	8.16	10.06
15	9.90	9.17	8.48	7.43	6.57	5.92	5.69	6.34	6.71	8.02	8.16	10.07
20	9.68	9.03	8.41	7.26	6.37	5.79	5.85	6.28	6.89	8.16	8.17	10.09
25	9.60	8.91	8.28	7.08	6.28	5.70	6.05	6.21	7.10	8.16	8.17	10.16
EOM	9.48	8.78	8.03	6.92	6.17	5.54	6.28	6.26	7.32	8.16	8.17	10.20

WATER LEVEL, IN FEET BELOW LAND-SURFACE DATUM, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	10.28	10.48	10.30	9.15	7.76	---	---	---	8.25	10.26	11.00	11.66
10	10.28	10.46	10.22	8.91	7.71	---	---	---	8.62	10.49	11.13	11.52
15	10.36	10.45	9.99	8.64	---	---	---	7.04	9.00	10.66	11.25	11.50
20	10.44	10.44	9.78	8.40	---	---	---	7.33	9.33	10.84	11.35	11.44
25	10.50	10.48	9.62	8.13	---	---	---	7.64	9.63	10.95	11.46	11.44
EOM	10.53	10.39	9.34	7.92	---	---	---	7.96	9.97	10.92	11.58	11.40

GROUND-WATER LEVELS IN THE TENNESSEE-TOMBIGBEE STUDY AREA

CLAY COUNTY--Continued

333402088301001. Local number J98. (USCE 112A)--Continued

WATER LEVEL, IN FEET BELOW LAND SURFACE DATUM, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
5	11.44	10.48	8.97	7.81	7.24	7.29	7.14	8.06	7.78	9.01	10.75	---
10	11.27	10.29	8.77	7.72	7.16	7.15	7.24	7.96	7.76	9.37	10.89	---
15	11.15	10.13	8.40	7.61	7.16	7.04	7.35	7.80	7.90	9.59	11.07	---
20	11.08	9.98	8.14	7.47	7.21	7.02	7.53	7.77	8.09	9.94	11.24	---
25	10.94	9.69	7.98	7.33	7.28	6.99	7.72	7.75	8.32	10.21	11.39	---
EOM	10.72	9.37	7.85	7.32	7.25	7.04	7.92	7.74	8.63	10.50	---	---

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR 1977 TO SEPTEMBER 1978

Analyses of samples collected for the statewide program are given in the following table. Analyses of samples collected at additional wells in the Tennessee-Tombigbee Study Area are found in the table "Analyses of Samples Collected in the Tennessee-Tombigbee Study Area, Mississippi." Also, field determinations were measured at additional wells in the Tennessee-Tombigbee study area and are listed in the table "Field Determinations in the Tennessee-Tombigbee Study Area, Mississippi."

STATION NUMBER	LOCAL IDENTIFIER	GEOLOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)
ALCORN COUNTY									
345254088382601	F068 KNOSSUTH	300PLZC	660	78-09-26	0830	936	7.6	20.0	5
345404088451901	F020 KNOSSUTH W A	211C0FF	861	78-07-13	0900	264	7.7	21.5	1
AMITE COUNTY									
310925090483201	M003 LIBERTY	121CRNL	163	78-08-04	1500	37	5.6	19.5	1
BENTON COUNTY									
345704089111201	D034 HICKORY	211RPLY	560	78-07-13	1200	280	7.9	21.0	1
CALHOUN COUNTY									
335238089103601	L010 VARDAMAN	211GORD	1673	78-05-24	1800	800	7.9	30.5	10
340700089231501	A016 MT COMFORT W A	211GORD	2140	78-07-11	1600	850	7.8	33.0	1
CARROLL COUNTY									
331717089574901	M036 PELUCTA W A	124WLCXM	844	78-08-22	1300	277	8.4	22.0	280
CHICKASAW COUNTY									
334626089081001	F029 ATLANTA W A	211EUTW	1510	78-07-10	1700	921	8.2	28.0	1
334702088575201	D008 SPARTA W A	211EUTW	960	78-08-09	0830	600	7.4	22.5	5
CHOCTAW COUNTY									
332251089114101	D023 REFORM W A	124WLCXL	386	78-06-28	1130	216	6.6	21.0	45
CLAIBORNE COUNTY									
320029091042601	F002 MISS POWER AND LIGH	112MRVA	110	77-11-17	1345	673	7.2	20.0	20
320039091041901	F003 MISS POWER AND LIGH	112MRVA	110	77-11-17	1320	550	7.3	17.0	50
320053091041301	F004 MISS POWER AND LIGH	112MRVA	110	77-11-17	1130	501	7.3	17.0	19
CLARKE COUNTY									
315103088410201	R031 HIWANE W A	124WLCXL	2368	78-07-13	1200	860	8.5	38.5	10
320803088463901	G145 STONEWALL	124WLCXL	1597	78-07-13	1430	336	8.5	30.0	10
320933088495801	A110 HELMS FARMS	124WLCXL	1336	78-07-13	1530	298	8.0	29.0	3
CLAY COUNTY									
333139088380801	K039 T.G. W A	211EUTW	424	78-09-07	1430	724	8.3	19.5	10
333649088543801	F034 SHIN CREEK W A	211EUTW	885	78-08-08	1600	1010	7.9	22.5	5
COAHOMA COUNTY									
340759090403901	H007 BONO W A	124MUWX	1200	78-06-08	1240	806	8.3	25.0	25
COVINGTON COUNTY									
314447089302301	C024 MS FORESTRY COMM	122MOCN	588	78-08-03	1345	105	6.2	22.0	35
314449089302301	C027 MS FORESTRY COMM	122MOCN	250	78-08-03	1415	19	5.2	20.5	5
314548089391102	R020 MT OLIVE	122CTHL	391	78-07-12	1300	112	6.1	21.0	3
DESOTO COUNTY									
344806089581801	L055 MS STATE HWY DEPT	124WLCXL	1397	78-07-13	1715	220	7.4	24.0	1
FORREST COUNTY									
311230089162001	F026 DIXIE W A WELL NO1	122MOCN	897	78-08-04	1715	125	6.3	23.5	8
311238089190201	F043 DIXIE W A WELL NO2	122MOCN	164	78-08-04	1700	22	5.2	20.0	5
GEORGE COUNTY									
304826088451501	J003 C A WILKERSON	122PCGL	340	78-08-04	1430	376	8.5	23.5	15
GRENADA COUNTY									
334533089373301	J016 GORE SPRINGS W A	124WLCXL	670	78-07-10	1430	353	8.4	22.0	10

WATER QUALITY DATA, WATER YEAR 1977 TO SEPTEMBER 1978--Continued

STATION NUMBER	DATE OF SAMPLE	HARD-NESS (MG/L AS CaCO3)	HARD-NESS, NONCARBONATE (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-SORPTION RATIO	POTAS-SIUM, DIS-SOLVED (MG/L AS K)	BICAR-BONATE (MG/L AS HCO3)	CAR-BONATE (MG/L AS CO3)
ALCORN COUNTY											
34525408A3R2A01	78-09-26	120	0	34	9.3	130	68	5.1	5.6	160	0
34540408A451901	78-07-13	110	0	30	7.5	11	18	.5	3.1	140	0
AMITE COUNTY											
310925090483201	78-08-04	8	0	2.2	.7	4.8	52	.7	1.0	15	0
BENTON COUNTY											
343704089111201	78-07-13	36	0	9.1	3.3	55	74	4.0	4.2	400	0
CALHOUN COUNTY											
335238089103A01	78-05-24	70	0	21	4.2	160	82	8.3	4.1	140	0
340700089231501	78-07-11	83	0	23	6.3	150	79	7.2	4.2	140	0
CARROLL COUNTY											
331717089574901	78-08-22	9	0	2.7	.6	65	92	9.3	2.6	160	0
CHICKASAW COUNTY											
334626089081001	78-07-10	16	0	5.1	.9	220	96	24	3.0	350	0
334702088575201	78-08-09	30	0	9.3	1.7	130	89	10	3.5	210	0
CHOCTAW COUNTY											
332251089114101	78-06-28	18	0	4.8	1.5	43	82	4.4	1.8	130	0
CLAIBORNE COUNTY											
320029091042601	77-11-17	270	0	71	23	39	24	1.0	3.4	360	0
320039091041901	77-11-17	280	14	76	21	18	12	.5	2.9	320	0
320053091041301	77-11-17	260	1	74	19	15	11	.4	2.6	320	0
CLARKE COUNTY											
315103088410201	78-07-13	4	0	1.3	.2	200	99	43	1.4	400	6
320803088463901	78-07-13	3	0	.7	.2	80	98	22	.9	200	0
320933088495801	78-07-13	4	0	1.0	.3	70	96	16	1.7	160	0
CLAY COUNTY											
333139088380801	78-09-07	22	0	6.9	1.2	150	92	14	4.0	300	0
333649088543801	78-08-08	16	0	4.8	1.0	200	96	22	3.1	400	0
COAHOMA COUNTY											
340759090403901	78-06-08	3	0	.7	.2	190	99	52	1.3	390	0
COVINGTON COUNTY											
314447089302301	78-08-03	32	0	10	1.7	6.6	29	.5	2.6	43	0
314449089302301	78-08-03	4	0	.9	.4	1.6	42	.4	.7	10	0
314548089391102	78-07-12	15	0	4.7	.9	15	63	1.7	2.7	44	0
DESOTO COUNTY											
344806089581801	78-07-13	9	0	2.8	.5	55	92	8.0	1.3	140	0
FORREST COUNTY											
311230089162001	78-08-04	6	0	1.4	.6	24	85	4.3	2.5	53	0
311238089190201	78-08-04	4	1	.7	.5	1.6	44	.4	.5	3	0
GEORGE COUNTY											
304826088451501	78-08-04	2	0	.6	.1	80	98	25	.6	200	0
GRENADA COUNTY											
334533089373301	78-07-10	11	0	3.6	.5	80	93	10	1.2	200	0

AQUIFER NAMES OF GEOLOGIC UNIT CODES

110 ALVM - ALLUVIUM, QUATERNARY
 121 CRNL - CITRONELLE FORMATION, PLIOCENE
 121 GRMF - GRAHAM FERRY FORMATION, PLIOCENE
 122 MOCN - MIOCENE SERIES, MIOCENE
 122 PCGL - PASCAGOULA FORMATION, MIOCENE
 123 FRHL - FOREST HILL SAND, OLIGOCENE
 124 CCKF - COCKFIELD FORMATION, EOCENE
 124 MDBC - MOODYS BRANCH FORMATION, EOCENE
 124 MUWX - MERIDIAN-UPPER WILCOX AQUIFER, EOCENE

124 SPRT - SPARTA SAND, EOCENE
 211 COKR - COKER FORMATION, UPPER CRETACEOUS
 211 EUTW - EUTAW FORMATION, UPPER CRETACEOUS
 211 GORD - GORDO FORMATION, UPPER CRETACEOUS
 211 MCSN - MCSHAN FORMATION, UPPER CRETACEOUS
 211 RPLY - RIPLEY FORMATION, UPPER CRETACEOUS
 211 TBGB - TOMBIGBEE SAND MEMBER OF EUTAW FORMATION, UPPER CRETACEOUS
 300 PLZC - PALEOZOIC ERATHEM, PALEOZOIC

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR 1977 TO SEPTEMBER 1978--Continued

STATION NUMBER	DATE OF SAMPLE	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)
ALCORN COUNTY									
345254088382601	78-09-26	130	6.4	19	200	.6	9.0	475	486
345404088451901	78-07-13	110	4.5	15	1.4	.0	12	157	149
AMITE COUNTY									
310925090483201	78-08-04	12	60	.2	4.1	.0	15	38	36
BENTON COUNTY									
343704089111201	78-07-13	330	8.1	9.4	.7	.1	11	189	176
CALHOUN COUNTY									
335238089103601	78-05-24	110	2.8	1.6	220	.2	13	511	493
340700089231501	78-07-11	110	3.6	2.0	190	.2	14	448	459
CARROLL COUNTY									
331717089574901	78-08-22	130	1.0	10	3.9	.1	14	238	178
CHICKASAW COUNTY									
334626089081001	78-07-10	290	3.5	2.9	130	.9	12	501	547
334702088575201	78-08-09	170	13	2.0	97	.4	12	370	359
CHOCTAW COUNTY									
332251089114101	78-06-28	110	52	2.3	4.3	.1	30	164	154
CLAIBORNE COUNTY									
320029091042601	77-11-17	300	36	21	29	.4	30	401	408
320039091041901	77-11-17	260	26	33	19	.2	22	351	367
320053091041301	77-11-17	260	26	30	16	.2	22	337	349
CLARKE COUNTY									
315103088410201	78-07-13	340	2.0	3.9	83	.5	17	513	511
320803088463901	78-07-13	160	1.0	3.3	7.8	.1	15	206	207
320933088495801	78-07-13	130	2.0	4.4	12	.1	17	187	186
CLAY COUNTY									
333139088380801	78-09-07	250	2.4	2.1	84	.8	11	417	408
333649088543801	78-08-08	330	8.1	3.9	120	1.4	11	564	543
COAHOMA COUNTY									
340759090403901	78-06-08	320	3.1	1.7	71	.4	19	499	477
COVINGTON COUNTY									
314447089302301	78-08-03	35	43	9.7	1.6	.0	39	91	94
314449089302301	78-08-03	8	101	.2	1.2	.0	13	19	23
314548089391102	78-07-12	36	56	8.8	1.8	.1	53	115	109
DESO TO COUNTY									
344806089581801	78-07-13	110	8.9	2.4	2.2	.1	12	152	145
FORREST COUNTY									
311230089162001	78-08-04	43	43	7.6	3.7	.1	36	105	103
311238089190201	78-08-04	2	30	.2	2.2	.0	8.4	26	16
GEORGE COUNTY									
304826088451501	78-08-04	160	1.0	9.0	11	.3	17	233	217
GRENADA COUNTY									
334533089373301	78-07-10	160	1.3	2.3	14	.1	13	217	213

WATER QUALITY DATA, WATER YEAR 1977 TO SEPTEMBER 1978--Continued

STATION	NUMBFR	DATE OF SAMPLE	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
ALCORN COUNTY					
345254088382601		78-09-26	.65	0	40
345404088451901		78-07-13	.21	90	50
AMITE COUNTY					
310925090483201		78-08-04	.05	340	20
BENTON COUNTY					
343704089111201		78-07-13	.93	120	10
CALHOUN COUNTY					
335238089103601		78-05-24	.70	60	70
340700089231501		78-07-11	.61	200	20
CARROLL COUNTY					
331717089574901		78-08-22	.32	490	10
CHICKASAW COUNTY					
334626089081001		78-07-10	.68	100	10
334702088575201		78-08-09	.50	20	30
CHOCTAW COUNTY					
332251089114101		78-06-28	.22	2000	60
CLATBORNE COUNTY					
320029091042601		77-11-17	.55	12000	1300
320039091041901		77-11-17	.48	15000	2500
320053091041301		77-11-17	.46	10000	2800
CLARKE COUNTY					
315103088410201		78-07-13	.70	30	0
320803088463901		78-07-13	.28	60	10
320933088495801		78-07-13	.25	140	20
CLAY COUNTY					
333139088380801		78-09-07	.57	50	20
333649088543801		78-08-08	.77	120	10
COAHOMA COUNTY					
340759090403901		78-06-08	.68	60	0
COVINGTON COUNTY					
314447089302301		78-08-03	.12	1500	50
314449089302301		78-08-03	.03	70	20
314548089391102		78-07-12	.16	170	30
DESOTO COUNTY					
344806089581801		78-07-13	.21	140	30
FORREST COUNTY					
311230089162001		78-08-04	.14	570	30
311238089190201		78-08-04	.04	40	20
GEORGE COUNTY					
304826088451501		78-08-04	.32	50	10
GRENADA COUNTY					
334533089373301		78-07-10	.30	140	20

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978--Continued

STATION NUMBER	LOCAL IDENTIFIER	GFO-LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)
GRENADA COUNTY--Continued									
334843089501901	A022 GT&Y W A	124WLCXL	650	78-07-14	1200	1150	8.3	22.0	1
HINDS COUNTY									
320418090180401	V077 N.E. COPIAH W.A. TH	124SPRT	2076	78-07-27	1200	410	8.8	35.5	85
320418090180402	V078 USGS-MSGs TEST WELL	124SPRT	1840	78-08-18	1100	390	9.2	34.0	75
		124SPRT	1840	78-08-21	1100	410	9.1	34.5	55
321337090155501	M093 DR E G WOOD JR	124CCKF	710	78-04-25	1600	678	8.6	23.0	200
321551090120801	N084 FILTHOL CORP	124MUWX	1604	78-09-26	0945	4210	9.4	34.5	120
321605090112801	N066 JACKSON PKNS CU	124SPRT	759	78-06-29	1100	400	8.3	28.0	20
321648090111701	N046 WESTBROOK MFG	124WLCX	1375	78-04-07	1200	2230	8.9	34.5	50
321815090100201	N025 RIDGEWAY & MCGEHE	124MUWX	1300	78-04-07	1200	3520	8.8	26.5	50
LAFAYETTE COUNTY									
341908089222801	L013 DENMARK W A	124WLCXL	230	78-07-11	1800	200	7.3	18.5	5
LAMAR COUNTY									
311324089234201	H097 SNU MS FLECT POWER	122MOCN	793	78-08-03	1600	265	6.9	23.0	5
LAWRENCE COUNTY									
312449090112701	M039 JT & T W A	121CRNL	207	78-08-03	1515	32	5.4	19.5	1
314246090020201	F023 CROOKED CREEK W A	122MOCN	208	78-08-03	1430	32	4.8	19.5	1
314329090011401	R025 CROOKED CREEK W A	122MOCN	247	78-08-03	1230	23	4.9	19.5	1
LEAKE COUNTY									
325228089245801	D017 MARYDELL W A	124WLCXL	1280	78-06-01	1400	274	8.1	27.0	10
LEE COUNTY									
340837088481901	N089 PONTOCOLA W A	211C0FF	580	78-07-11	1200	360	8.1	21.5	1
LOWNDES COUNTY									
332940088172001	H014 E LOWNDES W A	211GORD	460	78-08-09	1300	150	7.0	19.0	3
MARION COUNTY									
311105089440001	M055 MS GAME AND FISH	122HRRG	250	78-08-24	0855	175	6.5	23.5	4
312221089533001	R024 GOSs W A	122HRRG	134	78-08-23	1415	29	5.5	19.5	1
312549089482801	C021 BUNKER HILL W A	122HRRG	216	78-08-23	1520	24	5.5	19.0	5
MARSHALL COUNTY									
343957089274901	S036 WALL DOXERY STATE P	211RPLY	1060	78-07-13	1330	540	8.1	25.0	1
MONROE COUNTY									
335854088160601	D026 QUINCY W A	211GORD	115	78-08-09	1100	34	5.2	17.0	3
340402088303801	R017 CASON W A	211GORD	346	78-07-11	1015	130	6.3	18.5	1
MONTGOMERY COUNTY									
33555089311101	F004 HAYS CREEK W A TH#1	124WLCXM	570	78-05-24	1930	294	8.3	22.5	40
333731089422201	D013 DUICK HILL	124WLCXM	617	78-05-25	1100	741	8.5	23.0	30
OKTIBBEHA COUNTY									
332750088484202	C018 BORDEN CO	211GORD	1428	77-10-26	1530	180	7.7	26.0	1
PANOLA COUNTY									
342339090105101	K005 SOUTH LAKE W A	124WLCXL	1293	78-07-14	0945	470	8.0	26.0	1
PERRY COUNTY									
310510089030401	K003 U.S. FOREST SERV	122MOCN	700	78-08-22	1530	280	9.0	25.0	4
310956088552101	M011 BEAUMONT	122MOCN	666	78-08-04	1500	790	7.7	24.5	--
311044088553401	J060 BEAUMONT	122MOCN	550	78-08-04	1515	925	7.5	22.0	--
311213089015302	H007 NFW AUGUSTA	122CTHL	721	78-08-23	1430	530	8.9	23.0	5
311401089550201	J037 MISS AGR EXP STA	122MOCN	456	78-08-23	0940	430	9.1	21.5	10

QUALITY OF GROUND WATER

487

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978--Continued

STATION NUMBER	DATE OF SAMPLE	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)
GRENADA COUNTY--Continued											
334843089501901	7A-07-14	11	0	3.3	.7	270	98	35	2.0	170	0
HINDS COUNTY											
320418090180401	7A-07-27	1	0	.4	.1	100	99	37	.6	260	1
320418090180402	7A-08-18	2	0	.7	.1	100	99	30	.7	260	0
	7A-08-21	2	0	.6	.1	100	99	31	.6	260	0
321337090155501	7A-04-25	3	0	.6	.3	170	99	45	1.6	330	3
321551090120801	7A-09-26	11	0	1.4	1.8	1100	99	145	7.8	1650	0
321605090112801	7A-06-29	2	0	.6	.1	110	99	35	.8	250	0
321648090111701	7A-04-07	7	0	1.7	.6	600	99	101	2.8	1370	41
321815090100201	7A-04-07	11	0	2.6	1.0	950	99	127	4.7	2020	22
LAFAYETTE COUNTY											
341908089222801	7A-07-11	22	0	4.7	2.5	40	78	3.7	2.1	120	0
LAMAR COUNTY											
311324089234201	7A-08-03	2	0	.8	.1	65	98	18	.6	150	0
LAWRENCE COUNTY											
312449090112701	7A-08-03	6	0	1.6	.5	3.1	48	.5	1.1	10	0
314246090020201	7A-08-03	9	2	2.5	.7	3.3	41	.5	.9	9	0
314329090011401	7A-08-03	5	0	1.2	.4	2.7	53	.5	.5	10	0
LEAKE COUNTY											
325228089245801	7A-06-01	50	0	16	2.4	39	62	2.4	2.1	150	0
LEE COUNTY											
340837088481901	7A-07-11	22	0	6.6	1.3	75	87	7.0	2.6	120	0
LOWNDES COUNTY											
332440088172001	7A-08-09	50	0	13	4.3	3.3	11	.2	5.6	62	0
MARION COUNTY											
311105089440001	7A-08-24	56	0	17	3.3	14	34	.8	3.0	81	0
312221089533001	7A-08-23	5	0	1.3	.5	2.7	49	.5	.7	10	0
312549089482801	7A-08-23	5	0	1.0	.5	2.0	44	.4	.7	6	0
MARSHALL COUNTY											
343957089274901	7A-07-13	11	0	3.3	.7	140	96	18	2.3	370	0
MONROE COUNTY											
335854088160601	7A-08-09	6	3	1.5	.6	4.8	59	.8	.9	4	0
340402088303801	7A-07-11	51	0	15	3.3	3.7	13	.2	3.8	63	0
MONTGOMERY COUNTY											
333555089311101	7A-05-24	16	0	4.4	1.2	65	88	7.1	2.2	180	0
333731089422201	7A-05-25	9	0	2.6	.6	170	97	25	2.0	370	1
OKTIBBEHA COUNTY											
332750088484202	77-10-26	34	0	9.6	2.5	24	57	1.8	4.0	87	0
PANOLA COUNTY											
342339090105101	7A-07-14	4	0	1.3	.3	110	97	23	1.4	250	0
PERRY COUNTY											
310510089030401	7A-08-22	4	0	1.2	.2	65	96	14	1.1	140	0
310956088552101	7A-08-04	--	--	--	--	--	--	--	--	--	--
311044088553401	7A-08-04	--	--	--	--	--	--	--	--	--	--
311213089015302	7A-08-23	1	0	.4	.1	120	99	44	1.1	210	0
311401089550201	7A-08-23	3	0	.7	.2	95	98	26	1.1	130	0

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978--Continued

STATION	NUMBR.	DATE OF SAMPLF	ALKA- LINEITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	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)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)
GRENADA COUNTY--Continued										
334843089501901	78-07-14		140	1.4	3.4	190	.4	11	686	565
HINDS COUNTY										
320418090180401	78-07-27		220	.7	3.2	3.8	.2	23	259	261
320418090180402	78-08-18		210	.3	2.8	5.5	.2	22	273	260
	78-08-21		210	.3	2.6	5.4	.2	22	271	260
321337090155501	78-04-25		280	1.4	45	31	.8	14	424	429
321551090120801	78-09-26		1350	1.1	10	690	3.2	16	2660	2640
321605090112801	78-06-29		210	2.0	11	2.2	.2	16	265	264
321648090111701	78-04-07		1190	2.9	12	64	3.3	16	--	1420
321815090100201	78-04-07		1690	5.2	7.0	260	4.9	16	2270	2260
LAFAYETTE COUNTY										
341908089222801	78-07-11		98	9.6	2.9	2.2	.1	9.8	128	124
LAMAR COUNTY										
311324089234201	78-08-03		120	30	6.3	3.1	.4	16	173	166
LAWRENCE COUNTY										
312449090112701	78-08-03		8	64	.4	3.5	.0	12	30	27
314246090020201	78-08-03		7	228	.6	3.6	.0	14	38	30
314329090011401	78-08-03		8	201	.2	2.5	.0	11	26	23
LEAKE COUNTY										
325228089245801	78-06-01		120	1.9	13	2.1	.1	16	162	165
LEE COUNTY										
340837088481901	78-07-11		98	1.5	3.7	50	.2	11	207	210
LOWNDES COUNTY										
332940088172001	78-08-09		51	9.9	5.4	3.8	.1	9.6	75	88
MARION COUNTY										
311105089440001	78-08-24		66	41	8.5	9.2	.1	16	154	111
312221089533001	78-08-23		8	51	.3	3.7	.0	14	31	28
312549089482801	78-08-23		5	30	1.1	2.7	.0	9.4	31	20
MARSHALL COUNTY										
343957089274901	78-07-13		300	4.7	7.3	.9	.5	14	360	352
MONROE COUNTY										
335854088160601	78-08-09		3	40	.2	3.4	.0	12	32	25
340402088303801	78-07-11		52	51	4.3	1.9	.1	12	79	81
MONTGOMERY COUNTY										
333555089311101	78-05-24		150	1.4	3.2	6.1	.1	13	200	184
333731089422201	78-05-25		310	1.9	5.0	59	.3	12	458	435
OKTIBBEHA COUNTY										
332750088484202	77-10-26		71	2.8	3.0	9.8	.1	12	104	108
PANOLA COUNTY										
342339090105101	78-07-14		210	4.0	1.8	32	.1	11	292	281
PERRY COUNTY										
310510089030401	78-08-22		110	.2	7.5	10	.2	31	189	185
310956088552101	78-08-04		--	--	--	64	--	--	--	--
311044088553401	78-08-04		--	--	--	210	--	--	--	--
311213089015302	78-08-23		170	.4	1.9	66	.4	12	321	305
311401089550201	78-08-23		110	.2	6.5	59	.1	13	240	240

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978--Continued

STATION	NUMBER	DATE OF SAMPLE	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
GRENADA COUNTY--Continued					
334843089501901		78-07-14	.26	70	20
HINDS COUNTY					
320418090180401		78-07-27	.35	30	0
320418090180402		78-08-18	.37	50	0
		78-08-21	.37	40	0
321337090155501		78-04-25	.58	60	0
321551090120801		78-09-26	3.48	1200	10
321605090112801		78-06-29	.36	50	0
321648090111701		78-04-07	--	50	10
321815090100201		78-04-07	3.09	160	10
LAFAYETTE COUNTY					
341908089222801		78-07-11	.17	400	50
LAMAR COUNTY					
311324089234201		78-08-03	.24	40	10
LAWRENCE COUNTY					
312449090112701		78-08-03	.04	0	0
314246090020201		78-08-03	.05	10	0
314329090011401		78-08-03	.04	0	0
LEAKE COUNTY					
325228089245801		78-06-01	.22	150	60
LEE COUNTY					
340837088481901		78-07-11	.28	40	10
LOWNDES COUNTY					
332940088172001		78-08-09	.10	12000	110
MARION COUNTY					
311105089440001		78-08-24	.21	50	80
312221089533001		78-08-23	.04	10	0
312549089482801		78-08-23	.04	20	0
MARSHALL COUNTY					
343957089274901		78-07-13	.49	90	10
MONROE COUNTY					
335854088160601		78-08-09	.04	70	20
340402088303801		78-07-11	.11	5900	140
MONTGOMERY COUNTY					
333555089311101		78-05-24	.27	10	30
333731089422201		78-05-25	.62	50	20
OKTIBBEHA COUNTY					
332750088484202		77-10-26	.14	170	--
PANOLA COUNTY					
342339090105101		78-07-14	.40	190	0
PERRY COUNTY					
310510089030401		78-08-22	.26	10	0
310956088552101		78-08-04	--	--	--
311044088553401		78-08-04	--	--	--
311213089015302		78-08-23	.44	10	0
311401089550201		78-08-23	.33	410	10

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978--Continued

STATION NUMBER	LOCAL IDENT- I- FIER	GEO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)
PERRY COUNTY--Continued									
311408089021301	H019 LFAF R FOREST PROD	122MOCN	223	78-08-03	1600	122	8.5	21.5	10
311413088550801	J026 MISS AGR EXP STA	122HRRG	123	78-08-23	0950	25	5.9	22.0	1
311923089031201	D006 RINNELSTON UTL DIST	122HRRG	512	78-08-23	1130	270	9.0	22.0	5
312054088560701	C040 RICHTON	122MOCN	660	78-08-22	1130	185	6.6	22.5	2
312055088560701	C015 RICHTON	122CTHL	736	78-08-22	1140	826	6.7	22.5	10
312318089063401	A063 RINNELSTON W A	122MOCN	380	78-07-13	0830	241	8.1	22.5	3
312408088523701	C061 N E PERRY W A	122MOCN	475	78-08-22	1310	75	6.3	22.0	3
PIKE COUNTY									
311010090230801	H123 E FERNWOOD W A	122MOCN	310	78-08-04	1200	31	6.3	20.0	1
311046090310701	D015 PERCY QUINN PRK	121CRNL	110	78-08-04	1130	24	4.9	19.0	1
311659090265401	A155 N PIKE W A	121CRNL	168	78-08-04	0930	33	5.5	19.5	1
PONTOTOC COUNTY									
341320089045201	F014 PONTOTOC CO SCH	211RPLY	208	78-07-11	1500	500	7.7	19.0	1
341828089102601	A046 TOCCOPOLA W A	211RPLY	440	78-05-24	1400	495	8.1	21.5	5
RANKIN COUNTY									
320508090113801	T047 SQU WEST RANKIN W A	124SPRT	1806	78-06-29	1330	395	8.7	35.0	25
321430089501701	N038 A.C.L. W A	124SPRT	1260	78-07-25	1030	400	7.6	29.5	15
321430089501702	N039 A.C.L. W.A.	124SPRT	1490	78-09-15	1230	417	8.3	31.5	20
322258090022601	F057 PEARL R VALLEY DIST	124CKCF	711	78-06-29	1530	480	7.2	25.0	20
SIMPSON COUNTY									
315258089392201	L013 OKATOMA W A	121CRNL	200	78-07-12	1130	38	5.4	20.5	3
315327089464903	K005 SANITARIUM	121CRNL	130	78-07-12	1020	34	5.2	20.0	5
TIPPAH COUNTY									
344524088562301	J043 OIL-DRI PROD CO	211RPLY	265	78-07-12	1530	310	7.3	17.0	1
345359088543701	G014 TIPPLERSVILLE W A	211RPLY	190	78-07-12	1630	374	7.4	17.5	1
345748088583901	A034 THREE FORKS W A	211COFF	1306	78-07-13	1030	271	7.5	24.5	1
TUNICA COUNTY									
343024090191601	N006 DUNDEE W A	124WLCXL	1680	78-06-09	0900	418	8.5	26.0	250
343829090233301	G027 EVANSVILLE W A	124WLCXL	1680	78-06-09	1000	416	8.3	26.5	20
UNION COUNTY									
342926088562101	H029 E NEW ALBANY	211COFF	900	78-07-12	1000	530	7.3	21.5	3
343202088591301	C009 COASTAL CHEM	211COFF	612	78-07-12	1400	380	8.2	20.5	10
343417088485001	F024 KFOONVILLE W A	211COFF	818	78-07-12	1140	300	7.7	19.5	1
WAYNE COUNTY									
313534088323401	T083 BUCATUNNA W A	122CTHL	352	78-07-13	1030	378	8.2	21.5	5
WILKINSON COUNTY									
310509091035701	D023 CENTREVILLE W A	121CRNL	208	78-08-04	1730	83	5.6	20.0	1
310925091301301	K010 MILLER TOLLIVER	112MRVA	22	77-11-18	1210	835	6.9	21.0	1
311250091313001	F007 KENNETH GIBBS	112MRVA	150	77-11-16	1730	502	7.0	22.0	45
YALOBUSHA COUNTY									
340231089550201	E037 OAKLAND	124WLCXL	940	78-06-26	1230	663	8.5	23.5	15
YAZOO COUNTY									
323751090294601	V044 CENTRAL YAZOO W A	124SPRT	1570	77-11-02	1030	380	8.5	32.0	16
325007090251501	G070 YAZOO CITY	112MRVA	131	77-12-15	1105	732	7.4	20.0	38
325413090225001	G049 MISS CHEMICAL	112MRVA	154	77-12-15	1450	587	7.0	19.5	45
325436090230901	G001 MISS CHEMICAL	112MRVA	161	77-12-15	1425	510	6.9	19.0	55

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978--Continued

STATION	NUMER	DATE OF SAMPLE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L 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)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)
PERRY COUNTY--Continued												
311408089021301	7A-08-03		3	0	.8	.3	24	90	5.8	1.8	63	0
311413088550801	7A-08-23		3	0	.7	.2	2.4	57	.7	1.1	5	0
311923089031201	7A-08-23		2	0	.5	.1	60	97	20	1.4	150	0
312054088560701	7A-08-22		19	0	4.9	1.7	31	75	3.1	2.7	88	0
312055088560701	7A-08-22		44	0	14	2.3	150	87	9.8	3.0	130	0
312318089063401	7A-07-13		19	0	5.3	1.5	45	82	4.4	2.1	140	0
312408088523701	7A-08-22		12	0	3.0	1.1	6.8	48	.9	3.0	21	0
PIKE COUNTY												
311010090230801	7A-08-04		7	0	1.7	.7	3.3	43	.5	1.8	13	0
311046090310701	7A-08-04		5	0	1.3	.4	2.4	47	.5	.7	8	0
311659090265401	7A-08-04		9	0	2.2	.8	4.2	45	.6	1.9	14	0
PONTOTOC COUNTY												
341320089045201	7A-07-11		180	0	39	20	38	31	1.2	6.5	230	0
341828089102601	7A-05-24		33	0	8.3	3.0	110	86	8.3	3.6	290	0
RANKIN COUNTY												
320508090113801	7A-06-29		2	0	.6	.1	95	99	30	.9	240	1
321430089501701	7A-07-25		12	0	4.1	.5	95	93	12	1.9	210	0
321430089501702	7A-09-15		4	0	1.5	.1	100	98	21	.8	230	0
322258090022601	7A-06-29		13	0	3.1	1.2	120	94	15	2.8	240	0
SIMPSON COUNTY												
315258089392201	7A-07-12		6	2	1.0	.8	3.5	52	.6	1.0	5	0
315327089464903	7A-07-12		7	0	1.3	.9	3.1	46	.5	.8	10	0
TIPPAH COUNTY												
344524088562301	7A-07-12		160	4	54	6.0	2.3	3	.1	1.0	190	0
345359088543701	7A-07-12		180	0	64	5.5	3.4	4	.1	1.4	230	0
345748088583901	7A-07-13		80	0	22	6.0	22	36	1.1	4.8	140	0
TUNICA COUNTY												
343024090191601	7A-06-09		1	0	.3	.1	95	99	38	.9	210	5
343829090233301	7A-06-09		3	0	1.0	.2	95	98	23	1.1	230	0
UNION COUNTY												
342926088562101	7A-07-12		99	0	29	6.5	75	61	3.3	4.2	150	0
343202088591301	7A-07-12		15	0	4.3	1.1	85	91	9.5	2.6	200	0
3434170884485001	7A-07-12		51	0	15	3.4	44	63	2.7	3.8	160	0
WAYNE COUNTY												
313534088323401	7A-07-13		26	0	6.2	2.5	80	85	6.9	3.8	230	0
WILKINSON COUNTY												
310509091035701	7A-08-04		8	0	1.2	1.2	11	71	1.7	1.4	15	0
310925091301301	77-11-18		390	6	91	40	21	10	.5	1.2	470	0
311250091313001	77-11-16		130	0	37	10	60	49	2.3	3.4	280	0
YALOBUSHA COUNTY												
340231089550201	7A-06-26		7	0	1.9	.5	160	98	27	1.5	350	0
YAZOO COUNTY												
323751090294601	77-11-02		2	0	.8	.1	100	99	28	.5	250	2
325007090251501	77-12-15		360	0	93	32	19	10	.4	3.9	470	0
325413090225001	77-12-15		280	13	74	24	13	9	.3	3.3	330	0
325436090230901	77-12-15		250	0	66	21	15	11	.4	3.4	340	0

QUALITY OF GROUND WATER

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978--Continued

STATION	NUMBFR	DATE OF SAMPLE	ALKA- LITY (MG/L AS CACO ₃)	CARBON DIOXIDE DTS- SOLVFD (MG/L AS CO ₂)	SULFATE DTS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DTS- SOLVED (MG/L AS CL)	FLUO- RIDE, DTS- SOLVED (MG/L AS F)	SILICA, DTS- SOLVFD (MG/L AS SiO ₂)	SOLIDS, RESIDUE AT 180 DEG. C DTS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DTS- SOLVED (MG/L)
PERRY COUNTY--Continued										
311408089021301	78-08-03	52	.3	7.1	3.9	.1	45	113	114	
311413088550801	78-08-23	4	10	.7	2.0	.0	13	26	23	
311923089031201	78-08-23	120	.2	8.6	5.7	.2	12	157	163	
312054088560701	78-08-22	72	35	7.2	7.0	.0	11	112	109	
312055088560701	78-08-22	110	42	29	180	.1	12	447	456	
312318089063401	78-07-13	110	1.8	9.3	2.8	.1	3.2	152	138	
312408088523701	78-08-22	17	17	8.3	1.8	.0	26	62	63	
PIKE COUNTY										
311010090230801	78-08-04	11	10	.4	2.4	.0	16	35	33	
311046090310701	78-08-04	7	161	.2	2.4	.0	11	25	22	
311659090265401	78-08-04	11	71	1.4	2.5	.0	22	46	42	
PONTOTOC COUNTY										
341320089045201	78-07-11	190	7.3	74	4.5	.2	12	308	308	
341828089102601	78-05-24	240	3.7	23	6.4	.8	11	311	309	
RANKIN COUNTY										
320508090113801	78-06-29	200	.8	2.8	2.6	.2	20	253	242	
321430089501701	78-07-25	170	8.4	31	2.9	.1	25	276	265	
321430089501702	78-09-15	190	1.8	29	2.4	.1	21	268	268	
322258090022601	78-06-29	200	24	34	17	.1	32	320	329	
SIMPSON COUNTY										
315258089392201	78-07-12	4	32	.4	4.2	.0	9.6	38	23	
315327089464903	78-07-12	8	101	2.0	3.8	.0	9.6	36	26	
TIPPAH COUNTY										
344524088562301	78-07-12	160	15	6.9	1.3	.1	12	185	178	
345359088543701	78-07-12	190	15	7.4	1.0	.1	19	222	216	
345748088583901	78-07-13	110	7.1	15	2.9	.1	11	168	153	
TUNICA COUNTY										
343024090191601	78-06-09	180	1.1	2.1	29	.2	13	244	249	
343829090233301	78-06-09	190	1.8	2.0	17	.2	14	247	244	
UNION COUNTY										
342926088562101	78-07-12	120	12	5.2	82	.2	11	287	287	
343202088591301	78-07-12	160	2.0	20	4.9	1.3	9.6	225	228	
343417088885001	78-07-12	130	5.1	12	3.8	.1	11	181	172	
WAYNE COUNTY										
313534088323401	78-07-13	190	2.3	6.3	3.6	.9	15	232	232	
WILKINSON COUNTY										
310509091035701	78-08-04	12	60	3.4	12	.0	16	60	54	
310925091301301	77-11-18	390	95	11	33	.2	27	482	456	
311250091313001	77-11-16	230	45	7.6	21	.3	43	316	323	
YALOBUSHA COUNTY										
340231089550201	78-06-26	290	1.8	2.7	42	.2	11	401	392	
YAZOO COUNTY										
323751090294601	77-11-02	210	1.3	5.5	2.2	.1	18	247	252	
32507090251501	77-12-15	390	30	9.8	9.8	.2	42	438	451	
325413090225001	77-12-15	270	53	41	4.9	.2	39	370	370	
325436090230901	77-12-15	280	68	13	5.8	.2	48	333	350	

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978--Continued

STATION	NUMBER	DATE OF SAMPLE	SOIIDS, DIS- SOLVED (TONS PER AC-FT)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
PERRY COUNTY--Continued					
311408089021301		78-08-03	.15	210	30
311413088550801		78-08-23	.04	140	0
311923089031201		78-08-23	.21	80	0
312054088560701		78-08-22	.15	440	10
312055088560701		78-08-22	.61	1100	30
312318089063401		78-07-13	.21	30	20
312408088523701		78-08-22	.08	3000	40
PIKE COUNTY					
311010090230801		78-08-04	.05	60	10
311046090310701		78-08-04	.03	10	0
311659090265401		78-08-04	.06	0	0
PONTOTOC COUNTY					
341320089045201		78-07-11	.42	320	10
341828089102601		78-05-24	.42	60	20
RANKIN COUNTY					
320508090113801		78-06-29	.34	50	0
321430089501701		78-07-25	.38	590	20
321430089501702		78-09-15	.36	100	10
322258090022601		78-06-29	.44	340	20
SIMPSON COUNTY					
315258089392201		78-07-12	.05	10	10
315327089464903		78-07-12	.05	10	40
TIPPAH COUNTY					
344524088562301		78-07-12	.25	990	20
345359088543701		78-07-12	.30	740	20
345748088583901		78-07-13	.23	50	40
TUNICA COUNTY					
343024090191601		78-06-09	.22	50	0
343829090233301		78-06-09	.34	40	10
UNION COUNTY					
342926088562101		78-07-12	.39	70	60
343202088591301		78-07-12	.31	140	0
343417088485001		78-07-12	.25	100	20
WAYNE COUNTY					
313534088323401		78-07-13	.32	80	10
WILKINSON COUNTY					
310509091035701		78-08-04	.10	10	0
310925091301301		77-11-18	.66	70	10
311250091313001		77-11-16	.43	2200	270
YALOBUSHA COUNTY					
340231089550201		78-06-26	.55	80	0
YAZOO COUNTY					
323751090294601		77-11-02	.34	30	--
325007090251501		77-12-15	.60	9300	340
325413090225001		77-12-15	.50	7200	250
325436090230901		77-12-15	.45	9800	340

QUALITY OF GROUND WATER

ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

Analyses of samples collected in the Tennessee-Tombigbee Study Area, Mississippi, are given in the following table. Field determinations were measured at additional wells in the study area and are listed in the table "Field Determinations in the Tennessee-Tombigbee Study Area, Mississippi," which follows. Also, a few miscellaneous analyses collected in the study area for the statewide program are found in the general table "Quality of Ground Water."

STATION NUMBER	LOCAL IDENT- I- FIFR	GEO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)
CLAY COUNTY									
333351088320301	J097 USCF NO 111A	211EUTW	110	78-08-30	1430	600	7.1	18.5	10
333402088301001	J098 USCF NO 112A	211EUTW	58	78-08-30	1040	396	6.9	17.5	10
ITAWAMBA COUNTY									
341221088244101	K039 USCF NO 71A	211GORD	170	78-09-07	1500	75	8.0	17.0	30
342143088242601	D037 USCF TEST WFL WI A	211GORD	167	78-09-08	0900	75	6.0	16.0	140
LOWNDES COUNTY									
333354088270501	C099 USCF NO 115A	211EUTW	84	78-08-30	0830	337	6.7	17.5	5
333354088270502	C102 USCF NO 115B	110TRCS	24	78-08-30	0920	180	5.5	16.0	55
MONROE COUNTY									
334910088311501	L073 USCF NO TTM 4A	211EUTW	177	78-08-31	1000	190	6.6	18.5	110
334910088311502	L074 USCF NO TTM 4B	110ALVM	26	78-08-31	1030	98	5.2	19.0	60
335122088305202	L067 USCF NO 104R	111ALVM	24	78-09-07	1100	34	6.0	27.0	20
340056088283001	C066 USCF NO 94A	111ALVM	20	78-09-07	1300	216	6.2	18.5	250
340409088243801	C057 USCF NO 89A	211GORD	166	78-09-08	0900	54	6.1	17.5	160
340409088243802	C058 USCF NO 89B	211MCSN	45	78-09-07	1430	96	5.7	17.5	120

STATION NUMBER	DATE OF SAMPLE	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM AD-SORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)
----------------	----------------	--------------------------	--	---------------------------------	------------------------------------	---------------------------------	--------------------------	-----------------------------------	----------------------------	-------------------------

CLAY COUNTY

333351088320301	78-08-30	36	0	11	2.1	120	86	8.7	4.8	240	0
333402088301001	78-08-30	120	0	35	8.9	30	33	1.2	7.5	230	0

ITAWAMBA COUNTY

341221088244101	78-09-07	25	0	7.5	1.4	2.2	15	.2	2.1	35	0
342143088242601	78-09-08	24	0	7.4	1.3	1.6	12	.1	1.8	36	0

LOWNDES COUNTY

333354088270501	78-08-30	78	0	23	4.9	40	50	2.0	8.0	190	0
333354088270502	78-08-30	63	0	21	2.6	13	30	.7	1.8	89	0

MONROE COUNTY

334910088311501	78-08-31	65	0	19	4.2	14	30	.8	5.2	110	0
334910088311502	78-08-31	26	10	7.3	1.9	7.4	37	.6	1.3	20	0
335122088305202	78-09-07	6	0	2.1	.3	3.1	47	.5	.8	8	0
340056088283001	78-09-07	39	2	10	3.3	22	54	1.5	2.2	45	0
340409088243801	78-09-08	15	0	3.3	1.7	2.5	24	.3	1.9	19	0
340409088243802	78-09-07	31	0	7.2	3.1	4.0	20	.3	2.5	49	0

ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

STATION	NUMBER	DATE OF SAMPLE	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLORIDE, DTS- SOLVED (MG/L AS CL)	FLUORIDE, DTS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITROGEN, NITRATE DIS- SOLVED (MG/L AS N)
CLAY COUNTY												
33335108A320301		7A-08-30	200	31	2.8	72	.5	11	355	343	.48	.00
33340208A301001		7A-08-30	190	46	11	6.6	.1	17	246	230	.33	.11
ITAWAMBA COUNTY												
34122108A244101		7A-09-07	29	.6	4.4	1.7	.1	8.2	55	58	.07	.00
34214308A242601		7A-09-08	30	5A	4.9	1.4	.2	8.2	50	62	.07	.00
LOWNDES COUNTY												
33335408A270501		7A-08-30	160	61	16	5.6	.1	11	219	202	.30	.01
33335408A270502		7A-08-30	73	450	7.0	8.6	.1	30	145	132	.20	.05
MONROE COUNTY												
33491008A311501		7A-08-31	90	44	2.5	5.2	.1	24	148	129	.20	.09
33491008A311502		7A-08-31	16	202	3.4	6.2	.0	27	96	69	.15	.50
33512208A305202		7A-09-07	7	13	2.3	3.1	.1	16	45	37	.06	.03
34005608A283001		7A-09-07	37	45	17	28	.1	16	168	158	.23	.05
34040908A243801		7A-09-08	16	24	3.8	2.0	.0	8.7	44	54	.06	.00
34040908A243802		7A-09-07	40	156	4.5	2.5	.2	17	74	77	.10	.00
					NITROGEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITROGEN, NITRITE DIS- SOLVED (MG/L AS N)	NITROGEN, NITRITE DIS- SOLVED (MG/L AS NO2)	NITROGEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	IRON, DTS- SOLVED (UG/L AS FE)	MANGANESE, DTS- SOLVED (UG/L AS MN)		
CLAY COUNTY												
33335108A320301		7A-08-30			.00	.00	.00	.00	30	20		
33340208A301001		7A-08-30			.49	.01	.03	.12	90	50		
ITAWAMBA COUNTY												
34122108A244101		7A-09-07			.00	.00	.00	.00	13000	290		
34214308A242601		7A-09-08			.00	.00	.00	.00	17000	20		
LOWNDES COUNTY												
33335408A270501		7A-08-30			.04	.00	.00	.01	70	70		
33335408A270502		7A-08-30			.22	.00	.00	.05	4100	150		
MONROE COUNTY												
33491008A311501		7A-08-31			.40	.00	.00	.09	180	180		
33491008A311502		7A-08-31			2.2	.00	.00	.50	1400	240		
33512208A305202		7A-09-07			.13	.00	.00	.03	4600	230		
34005608A283001		7A-09-07			.22	.00	.00	.05	36000	1400		
34040908A243801		7A-09-08			.00	.00	.00	.00	20000	260		
34040908A243802		7A-09-07			.00	.00	.00	.00	11000	1100		

QUALITY OF GROUND WATER

ANALYSES OF SAMPLES COLLECTED IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

STATION	NUMBER	LOCAL IDENT- IFIER	GFO- LOGIC UNIT	DATE OF SAMPLE	TIME	SAMPLE SOURCE	SAM- PLING CONDIT- TION	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DFG C)
344403088185502		HOLCUT DEWTR TEST WELLS - TISHOMINGO COUNTY	211EUTW	77-12-22	1115	†	‡	95	6.2	16.0
			211EUTW	78-01-18	1515	†	‡	98	6.0	16.0
			211EUTW	78-02-14	1150	†	‡	80	6.0	16.0
			211EUTW	78-03-08	1000	†	‡	90	6.2	16.5

STATION	NUMBER	DATE OF SAMPLE	COLOR (PLAT- INUM- CORAL UNITS)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	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	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)
344403088185502		77-12-22	45	26	0	8.0	1.4	3.8	22	2.9	37
		78-01-18	33	24	0	7.3	1.4	4.0	24	2.3	29
		78-02-14	20	24	0	7.8	1.4	3.5	22	2.1	35
		78-03-08	10	22	0	6.7	1.3	3.8	25	2.0	34

STATION	NUMBER	DATE OF SAMPLE	CAR- BONATE (MG/L AS CO3)	ALKA- LINIT (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	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)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
344403088185502		77-12-22	0	30	37	5.4	2.8	.1	24	85	79	.12
		78-01-18	0	24	46	4.6	1.8	.2	25	69	70	.09
		78-02-14	0	29	56	6.0	1.6	.2	22	63	70	.10
		78-03-08	0	28	34	5.5	1.6	.2	23	77	69	.10

STATION	NUMBER	DATE OF SAMPLE	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO3)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS N)	NITRO- GEN, NITRATE DIS- SOLVED (MG/L AS NO2)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)
344403088185502		77-12-22	.18	.04	.00	.00	.04	1	<10	2
		78-01-18	.31	.07	.00	.00	.07	--	--	--
		78-02-14	.35	.08	.01	.03	.09	--	--	--
		78-03-08	.18	.04	.02	.07	.06	--	--	--

STATION	NUMBER	DATE OF SAMPLE	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PR)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
344403088185502		77-12-22	12000	4	510
		78-01-18	8000	--	500
		78-02-14	7700	--	460
		78-03-08	7400	--	410

† Multiple water wells.

‡ Composite sample of pumping water wells.

FIELD DETERMINATIONS IN THE TENNESSEE-TOMBIGBEE STUDY AREA, MISSISSIPPI

WATER QUALITY DATA, WATER YEAR OCTOBER 1977 TO SEPTEMBER 1978

Field determinations measured in the Tennessee-Tombigbee Study Area, Mississippi, are given in the following table. Analyses of samples collected at additional wells in the study area are found in the preceding table "Analyses of Samples Collected in the Tennessee-Tombigbee Study Area, Mississippi." Also, a few miscellaneous analyses collected in the study area for the statewide program are found in the general table "Quality of Ground Water."

STATION	NUMBER	LOCAL IDENT- I- FIR	GFO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLF	TIME	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)
ITAWAMBA COUNTY									
341235088232101	L013	USCF NO 73A	211GORD	138	77-11-17	1420	102	6.2	17.0
			211GORD	138	78-02-16	0932	90	5.9	16.5
			211GORD	138	78-06-08	1310	105	6.1	18.0
			211GORD	138	78-08-31	1720	80	5.8	16.5
342241088235701	D027	USCF NO 63A	300PLZC	260	77-11-17	1235	210	6.4	17.0
			300PLZC	260	78-02-15	1650	185	6.4	16.5
			300PLZC	260	78-06-08	1140	200	6.1	17.5
			300PLZC	260	78-08-31	1520	170	6.4	16.5
342241088235702	D023	USCF NO 63B	211GORD	150	77-11-17	1237	120	6.0	17.0
			211GORD	150	78-02-15	1655	100	6.0	16.5
			211GORD	150	78-06-08	1135	105	5.8	17.0
			211GORD	150	78-08-31	1515	65	5.9	17.0
342245088232501	F006	USCF NO 64A	211GORD	106	77-11-17	1200	112	6.1	17.5
			211GORD	106	78-02-15	1635	115	5.8	16.5
			211GORD	106	78-06-08	1115	115	5.9	18.0
			211GORD	106	78-08-31	1500	65	6.0	21.0
MONROE COUNTY									
340504088241101	C051	USCF NO 84A	211GORD	170	77-11-17	1540	120	5.9	17.0
			211GORD	170	78-02-16	1055	125	5.9	16.5
			211GORD	170	78-06-08	1455	118	5.8	17.5
			211GORD	170	78-08-31	1200	70	5.8	16.5
340504088241102	C052	USCF NO 84B	211EUTW	110	77-11-17	1535	105	5.9	17.0
			211EUTW	110	78-02-16	1050	100	5.9	16.5
			211EUTW	110	78-06-08	1450	105	5.8	17.0
			211EUTW	110	78-08-31	1205	65	5.7	17.0

APPENDIX

Following are two listings of the new versus old terminology for each of the 143 water-quality parameters affected by the terminology changes explained on page VIII. The first listing orders the changes numerically according to the laboratory parameter code and the second listing orders the changes alphabetically according to the parameter name.

NUMERIC LISTING			
PARAM. CODE	NEW TERMINOLOGY -- FIRST LINE OLD TERMINOLOGY -- SECOND LINE	PARAM. CODE	NEW TERMINOLOGY -- FIRST LINE OLD TERMINOLOGY -- SECOND LINE
00623	NITROGEN, AMMONIA PLUS ORGANIC, DISSOLVED (MG/L AS N)	01051	LEAD, TOTAL RECOVERABLE (UG/L AS PB)
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)	01051	LEAD, TOTAL (UG/L AS PB)
00624	NITROGEN, AMMONIA PLUS ORGANIC, SUSPENDED TOTAL (MG/L AS N)	01052	LEAD, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS PB)
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)	01052	LEAD, TOTAL IN BOTTOM MATERIAL (UG/G AS PB)
00625	NITROGEN, AMMONIA PLUS ORGANIC, TOTAL (MG/L AS N)	01053	MANGANESE, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS MN)
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)	01053	MANGANESE, TOTAL IN BOTTOM MATERIAL (UG/G AS MN)
00626	NITROGEN, AMMONIA PLUS ORGANIC, TOTAL IN BOTTOM MATERIAL, DRY WT (MG/KG AS N)	01054	MANGANESE, SUSPENDED RECOVERABLE (UG/L AS MN)
00626	NITROGEN, KJELDAHL, TOTAL IN BOTTOM MATERIAL, DRY WT (MG/KG AS N)	01054	MANGANESE, SUSPENDED (UG/L AS MN)
00683	CARRON, ORGANIC, SUSPENDED TOTAL (MG/L AS C)	01055	MANGANESE, TOTAL RECOVERABLE (UG/L AS MN)
00683	CARRON, ORGANIC, SUSPENDED (MG/L AS C)	01055	MANGANESE, TOTAL (UG/L AS MN)
00688	CARRON, INORGANIC, SUSPENDED TOTAL (MG/L AS C)	01061	MOLYBDENUM, SUSPENDED RECOVERABLE (UG/L AS MU)
00688	CARRON, INORGANIC, SUSPENDED (MG/L AS C)	01061	MOLYBDENUM, SUSPENDED (UG/L AS MU)
00689	CARRON, ORGANIC, SUSPENDED TOTAL (MG/L AS C)	01062	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS MU)
00689	CARRON, ORGANIC, SUSPENDED (MG/L AS C)	01062	MOLYBDENUM, TOTAL (UG/L AS MU)
00694	CARRON, INORGANIC PLUS ORGANIC, SUSPENDED TOTAL (MG/L AS C)	01063	MOLYBDENUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS MU)
00694	CARRON, INORGANIC PLUS ORGANIC, SUSPENDED (MG/L AS C)	01063	MOLYBDENUM, TOTAL IN BOTTOM MATERIAL (UG/G AS MU)
00916	CALCIUM, TOTAL RECOVERABLE (MG/L AS CA)	01066	NICKEL, SUSPENDED RECOVERABLE (UG/L AS NI)
00916	CALCIUM, TOTAL (MG/L AS CA)	01066	NICKEL, SUSPENDED (UG/L AS NI)
00926	MAGNESIUM, SUSPENDED RECOVERABLE (MG/L AS MG)	01067	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)
00926	MAGNESIUM, SUSPENDED (MG/L AS MG)	01067	NICKEL, TOTAL (UG/L AS NI)
00927	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS MG)	01068	NICKEL, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS NI)
00927	MAGNESIUM, TOTAL (MG/L AS MG)	01068	NICKEL, TOTAL IN BOTTOM MATERIAL (UG/G AS NI)
01001	ARSENIC, SUSPENDED TOTAL (UG/L AS AS)	01074	SILVER, SUSPENDED RECOVERABLE (UG/L AS AG)
01001	ARSENIC, SUSPENDED (UG/L AS AS)	01074	SILVER, SUSPENDED (UG/L AS AG)
01006	BARIUM, SUSPENDED RECOVERABLE (UG/L AS BA)	01077	SILVER, TOTAL RECOVERABLE (UG/L AS AG)
01006	BARIUM, SUSPENDED (UG/L AS BA)	01077	SILVER, TOTAL (UG/L AS AG)
01007	BARIUM, TOTAL RECOVERABLE (UG/L AS BA)	01078	SILVER, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS AG)
01007	BARIUM, TOTAL (UG/L AS BA)	01078	SILVER, TOTAL IN BOTTOM MATERIAL (UG/G AS AG)
01008	BARIUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS BA)	01081	STRONTIUM, SUSPENDED RECOVERABLE (UG/L AS SR)
01008	BARIUM, TOTAL IN BOTTOM MATERIAL (UG/G AS BA)	01081	STRONTIUM, SUSPENDED (UG/L AS SR)
01011	BERYLLIUM, SUSPENDED RECOVERABLE (UG/L AS BF)	01082	STRONTIUM, TOTAL RECOVERABLE (UG/L AS SR)
01011	BERYLLIUM, SUSPENDED (UG/L AS BF)	01082	STRONTIUM, TOTAL (UG/L AS SR)
01012	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BF)	01083	STRONTIUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS SR)
01012	BERYLLIUM, TOTAL (UG/L AS BF)	01083	STRONTIUM, TOTAL IN BOTTOM MATERIAL (UG/G AS SR)
01013	BERYLLIUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS RE)	01086	VANADIUM, SUSPENDED TOTAL (UG/L AS V)
01013	BERYLLIUM, TOTAL IN BOTTOM MATERIAL (UG/G AS RE)	01086	VANADIUM, SUSPENDED (UG/L AS V)
01016	BISMUTH, SUSPENDED TOTAL (UG/L AS BI)	01091	ZINC, SUSPENDED RECOVERABLE (UG/L AS ZN)
01016	BISMUTH, SUSPENDED (UG/L AS BI)	01091	ZINC, SUSPENDED (UG/L AS ZN)
01021	BORON, SUSPENDED RECOVERABLE (UG/L AS B)	01092	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)
01021	BORON, SUSPENDED (UG/L AS B)	01092	ZINC, TOTAL (UG/L AS ZN)
01022	BORON, TOTAL RECOVERABLE (UG/L AS B)	01093	ZINC, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS ZN)
01022	BORON, TOTAL (UG/L AS B)	01093	ZINC, TOTAL IN BOTTOM MATERIAL (UG/G AS ZN)
01023	BORON, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS B)	01096	ANTIMONY, SUSPENDED TOTAL (UG/L AS SB)
01023	BORON, TOTAL IN BOTTOM MATERIAL (UG/G AS B)	01096	ANTIMONY, SUSPENDED (UG/L AS SB)
01026	CADMIUM, SUSPENDED RECOVERABLE (UG/L AS CD)	01101	TIN, SUSPENDED RECOVERABLE (UG/L AS SN)
01026	CADMIUM, SUSPENDED (UG/L AS CD)	01101	TIN, SUSPENDED (UG/L AS SN)
01027	CADMIUM, TOTAL RECOVERABLE (UG/L AS CD)	01102	TIN, TOTAL RECOVERABLE (UG/L AS SN)
01027	CADMIUM, TOTAL (UG/L AS CD)	01102	TIN, TOTAL (UG/L AS SN)
01028	CADMIUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS CD)	01105	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)
01028	CADMIUM, TOTAL IN BOTTOM MATERIAL (UG/G AS CD)	01105	ALUMINUM, TOTAL (UG/L AS AL)
01029	CHROMIUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS CR)	01107	ALUMINUM, SUSPENDED RECOVERABLE (UG/L AS AL)
01029	CHROMIUM, TOTAL IN BOTTOM MATERIAL (UG/G AS CR)	01107	ALUMINUM, SUSPENDED (UG/L AS AL)
01031	CHROMIUM, SUSPENDED RECOVERABLE (UG/L AS CR)	01108	ALUMINUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS AL)
01031	CHROMIUM, SUSPENDED (UG/L AS CR)	01108	ALUMINUM, TOTAL IN BOTTOM MATERIAL (UG/G AS AL)
01034	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)	01116	CESIUM, SUSPENDED TOTAL (UG/L AS CS)
01034	CHROMIUM, TOTAL (UG/L AS CR)	01116	CESIUM, SUSPENDED (UG/L AS CS)
01036	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO)	01121	GALLIUM, SUSPENDED TOTAL (UG/L AS GA)
01036	COBALT, SUSPENDED (UG/L AS CO)	01121	GALLIUM, SUSPENDED (UG/L AS GA)
01037	COBALT, TOTAL RECOVERABLE (UG/L AS CO)	01126	GERMANIUM, SUSPENDED TOTAL (UG/L AS GF)
01037	COBALT, TOTAL (UG/L AS CO)	01126	GERMANIUM, SUSPENDED (UG/L AS GF)
01038	COBALT, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS CO)	01131	LITHIUM, SUSPENDED RECOVERABLE (UG/L AS LI)
01038	COBALT, TOTAL IN BOTTOM MATERIAL (UG/G AS CO)	01131	LITHIUM, SUSPENDED (UG/L AS LI)
01041	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)	01132	LITHIUM, TOTAL RECOVERABLE (UG/L AS LI)
01041	COPPER, SUSPENDED (UG/L AS CU)	01132	LITHIUM, TOTAL (UG/L AS LI)
01042	COPPER, TOTAL RECOVERABLE (UG/L AS CU)	01136	RUBIDIUM, SUSPENDED TOTAL (UG/L AS RB)
01042	COPPER, TOTAL (UG/L AS CU)	01136	RUBIDIUM, SUSPENDED (UG/L AS RB)
01043	COPPER, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS CU)	01146	SELENIUM, SUSPENDED TOTAL (UG/L AS SE)
01043	COPPER, TOTAL IN BOTTOM MATERIAL (UG/G AS CU)	01146	SELENIUM, SUSPENDED (UG/L AS SE)
01044	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)	01151	TITANIUM, SUSPENDED TOTAL (UG/L AS TI)
01044	IRON, SUSPENDED (UG/L AS FE)	01151	TITANIUM, SUSPENDED (UG/L AS TI)
01045	IRON, TOTAL RECOVERABLE (UG/L AS FE)	01161	ZIRCONIUM, SUSPENDED TOTAL (UG/L AS ZR)
01045	IRON, TOTAL (UG/L AS FE)	01161	ZIRCONIUM, SUSPENDED (UG/L AS ZR)
01050	LEAD, SUSPENDED RECOVERABLE (UG/L AS PB)	01170	IRON, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS FE)
01050	LEAD, SUSPENDED (UG/L AS PB)	01170	IRON, TOTAL IN BOTTOM MATERIAL (UG/G AS FE)
		01505	ALPHA, SUSPENDED TOTAL (PC/L)
		01505	ALPHA, SUSPENDED (PC/L)

PAPM. CODE	NFA TERMINOLOGY -- FIRST LINE OLD TERMINOLOGY -- SECOND LINE	PAPM. CODE	NFA TERMINOLOGY -- FIRST LINE OLD TERMINOLOGY -- SECOND LINE
01506	ALPHA, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)	19332	ALUPIN, SUSPENDED TOTAL (UG/L)
01506	ALPHA, SUSPENDED, COUNTING ERROR (PCI/L)	19332	ALUPIN, SUSPENDED (UG/L)
01516	GROSS ALPHA RADIOACTIVITY, SUSPENDED TOTAL (PCI/L AS U NATURAL)	19342	LINDANE, SUSPENDED TOTAL (UG/L)
01516	GROSS ALPHA RADIOACTIVITY, SUSPENDED (PCI/L AS U NATURAL)	19342	LINDANE, SUSPENDED (UG/L)
01517	GROSS ALPHA RADIOACTIVITY, SUSPENDED TOTAL (PCI/G AS U NATURAL)	19353	CHLORDANE, SUSPENDED TOTAL (UG/L)
01517	GROSS ALPHA RADIOACTIVITY, SUSPENDED (PCI/G AS U NATURAL)	19353	CHLORDANE, SUSPENDED (UG/L)
01518	GROSS ALPHA RADIOACTIVITY, SUSPENDED TOTAL (UG/G AS U NATURAL)	19362	DDO, SUSPENDED TOTAL (UG/L)
01518	GROSS ALPHA RADIOACTIVITY, SUSPENDED (UG/G AS U NATURAL)	19362	DDO, SUSPENDED (UG/L)
01518	GROSS ALPHA RADIOACTIVITY, SUSPENDED TOTAL (UG/G AS U NATURAL)	19367	DDE, SUSPENDED TOTAL (UG/L)
01518	GROSS ALPHA RADIOACTIVITY, SUSPENDED (UG/G AS U NATURAL)	19367	DDE, SUSPENDED (UG/L)
03505	BETA, SUSPENDED TOTAL (PCI/L)	19372	DNT, SUSPENDED TOTAL (UG/L)
03505	BETA, SUSPENDED (PCI/L)	19372	DNT, SUSPENDED (UG/L)
03506	BETA, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)	19382	DIELDRIN, SUSPENDED TOTAL (UG/L)
03506	BETA, SUSPENDED, COUNTING ERROR (PCI/L)	19382	DIELDRIN, SUSPENDED (UG/L)
03516	GROSS BETA RADIOACTIVITY, SUSPENDED TOTAL (PCI/L AS CS-137)	19392	ENDRIN, SUSPENDED TOTAL (UG/L)
03516	GROSS BETA RADIOACTIVITY, SUSPENDED (PCI/L AS CS-137)	19392	ENDRIN, SUSPENDED (UG/L)
03517	GROSS BETA RADIOACTIVITY, SUSPENDED TOTAL (PCI/G AS SP/YI-90)	19402	TOXAPHENE, SUSPENDED TOTAL (UG/L)
03517	GROSS BETA RADIOACTIVITY, SUSPENDED (PCI/G AS SP/YI-90)	19402	TOXAPHENE, SUSPENDED (UG/L)
03518	GROSS BETA RADIOACTIVITY, SUSPENDED TOTAL (PCI/G AS CS-137)	19412	HEPTACHLOR, SUSPENDED TOTAL (UG/L)
03518	GROSS BETA RADIOACTIVITY, SUSPENDED (PCI/G AS CS-137)	19412	HEPTACHLOR, SUSPENDED (UG/L)
03518	GROSS BETA RADIOACTIVITY, SUSPENDED TOTAL (PCI/G AS CS-137)	19422	HEPTACHLOR EPOXIDE, SUSPENDED TOTAL (UG/L)
03518	GROSS BETA RADIOACTIVITY, SUSPENDED (PCI/G AS CS-137)	19422	HEPTACHLOR EPOXIDE, SUSPENDED (UG/L)
07010	TRITIUM, SUSPENDED TOTAL (PCI/L)	19432	ISODRIN, SUSPENDED TOTAL (UG/L)
07010	TRITIUM, SUSPENDED (PCI/L)	19432	ISODRIN, SUSPENDED (UG/L)
07011	TRITIUM, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)	19502	AROCLOK, SUSPENDED TOTAL, 124R PCR SERIES (UG/L)
07011	TRITIUM, SUSPENDED, COUNTING ERROR (PCI/L)	19502	AROCLOK, SUSPENDED, 124R PCR SERIES (UG/L)
07014	TRITIUM, SUSPENDED TOTAL, COUNTING ERROR (TRITIUM UNITS)	19506	AROCLOK, SUSPENDED TOTAL, 1254 PCR SERIES (UG/L)
07014	TRITIUM, SUSPENDED, COUNTING ERROR (TRITIUM UNITS)	19506	AROCLOK, SUSPENDED, 1254 PCR SERIES (UG/L)
07016	TRITIUM, SUSPENDED TOTAL (TRITIUM UNITS)	19510	AROCLOK, SUSPENDED TOTAL, 1260 PCR SERIES (UG/L)
07016	TRITIUM, SUSPENDED (TRITIUM UNITS)	19510	AROCLOK, SUSPENDED, 1260 PCR SERIES (UG/L)
07052	CALCIUM 45, SUSPENDED TOTAL (PCI/L)	19518	PCH, SUSPENDED TOTAL (UG/L)
07052	CALCIUM 45, SUSPENDED (PCI/L)	19518	PCH, SUSPENDED (UG/L)
07053	CALCIUM 45, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)	19533	MALATHION, SUSPENDED TOTAL (UG/L)
07053	CALCIUM 45, SUSPENDED, COUNTING ERROR (PCI/L)	19533	MALATHION, SUSPENDED (UG/L)
07062	IRON 59, SUSPENDED TOTAL (PCI/L)	19543	PARATHION, SUSPENDED TOTAL (UG/L)
07062	IRON 59, SUSPENDED (PCI/L)	19543	PARATHION, SUSPENDED (UG/L)
07063	IRON 59, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)	19573	DIAZINON, SUSPENDED TOTAL (UG/L)
07063	IRON 59, SUSPENDED, COUNTING ERROR (PCI/L)	19573	DIAZINON, SUSPENDED (UG/L)
07082	RHODAMINE WT, SUSPENDED TOTAL (UG/L)	19603	METHYL PARATHION, SUSPENDED TOTAL (UG/L)
07082	RHODAMINE WT, SUSPENDED (UG/L)	19603	METHYL PARATHION, SUSPENDED (UG/L)
07102	SELENIUM 75, SUSPENDED TOTAL (PCI/L)	19733	2,4-D, SUSPENDED TOTAL (UG/L)
07102	SELENIUM 75, SUSPENDED (PCI/L)	19733	2,4-D, SUSPENDED (UG/L)
07103	SELENIUM 75, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)	19743	2,4,5-T, SUSPENDED TOTAL (UG/L)
07103	SELENIUM 75, SUSPENDED, COUNTING ERROR (PCI/L)	19743	2,4,5-T, SUSPENDED (UG/L)
07123	SILVER 110, SUSPENDED TOTAL (PCI/L)	19757	MTRFX, SUSPENDED TOTAL (UG/L)
07123	SILVER 110, SUSPENDED, COUNTING ERROR (PCI/L)	19757	MTRFX, SUSPENDED (UG/L)
07142	SULFUR 35, SUSPENDED TOTAL (PCI/L)	19763	SILVEY, SUSPENDED TOTAL (UG/L)
07142	SULFUR 35, SUSPENDED (PCI/L)	19763	SILVEY, SUSPENDED (UG/L)
07143	SULFUR 35, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)	70299	SOLIDS, WETDIE AT 110 DEG. C, SUSPENDED TOTAL (MG/L)
07143	SULFUR 35, SUSPENDED, COUNTING ERROR (PCI/L)	70299	SOLIDS, WETDIE AT 110 DEG. C, SUSPENDED (MG/L)
09505	RADIUM 226, SUSPENDED TOTAL (PCI/L)	71895	MERCURY, SUSPENDED RECOVERABLE (UG/L AS HG)
09505	RADIUM 226, SUSPENDED (PCI/L)	71895	MERCURY, SUSPENDED (UG/L AS HG)
13505	STRONTIUM 90, SUSPENDED TOTAL (PCI/L)	71900	MERCURY, TOTAL RECOVERABLE (UG/L AS HG)
13505	STRONTIUM 90, SUSPENDED (PCI/L)	71900	MERCURY, TOTAL (UG/L AS HG)
13506	STRONTIUM 90, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)	71921	MERCURY, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS HG)
13506	STRONTIUM 90, SUSPENDED, COUNTING ERROR (PCI/L)	71921	MERCURY, TOTAL IN BOTTOM MATERIAL (UG/G AS HG)
22705	URANIUM, NATURAL, SUSPENDED TOTAL (UG/L AS U NATURAL)	80040	GROSS ALPHA RADIOACTIVITY, SUSPENDED TOTAL (UG/L AS U NATURAL)
22705	URANIUM, NATURAL, SUSPENDED (UG/L AS U NATURAL)	80040	GROSS ALPHA RADIOACTIVITY, SUSPENDED (UG/L AS U NATURAL)
28404	CESTUM 137, SUSPENDED TOTAL (PCI/L)	80060	GROSS BETA RADIOACTIVITY, SUSPENDED TOTAL (PCI/L AS SP/YI-90)
28404	CESTUM 137, SUSPENDED (PCI/L)	80060	GROSS BETA RADIOACTIVITY, SUSPENDED (PCI/L AS SP/YI-90)
28405	CESTUM 137, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)		
28405	CESTUM 137, SUSPENDED, COUNTING ERROR (PCI/L)		
28412	CESTUM 134, SUSPENDED TOTAL (PCI/L)		
28412	CESTUM 134, SUSPENDED (PCI/L)		
28413	CESTUM 134, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)		
28413	CESTUM 134, SUSPENDED, COUNTING ERROR (PCI/L)		
29633	SCANDIUM 46, SUSPENDED TOTAL (PCI/L)		
29633	SCANDIUM 46, SUSPENDED (PCI/L)		
29634	SCANDIUM 46, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)		
29634	SCANDIUM 46, SUSPENDED, COUNTING ERROR (PCI/L)		

ALPHABETIC LISTING			
PARM. CODE	NFA TERMINOLOGY -- FIRST LINE UFD TERMINOLOGY -- SECOND LINE	PARM. CODE	NFA TERMINOLOGY -- FIRST LINE UFD TERMINOLOGY -- SECOND LINE
34332	ALDRIN, SUSPENDED TOTAL (UG/L)	28413	CESTUM 134, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)
34332	ALDRIN, SUSPENDED (UG/L)	28413	CESTUM 134, SUSPENDED, COUNTING ERROR (PCI/L)
01505	ALPHA, SUSPENDED TOTAL (PCI/L)	34353	CHLORDANE, SUSPENDED TOTAL (UG/L)
01505	ALPHA, SUSPENDED (PCI/L)	34353	CHLORDANE, SUSPENDED (UG/L)
01506	ALPHA, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)	01029	CHROMIUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS CR)
01506	ALPHA, SUSPENDED, COUNTING ERROR (PCI/L)	01029	CHROMIUM, TOTAL IN BOTTOM MATERIAL (UG/G AS CR)
01105	ALUMINUM, TOTAL RECOVERABLE (UG/L AS AL)	01031	CHROMIUM, SUSPENDED RECOVERABLE (UG/L AS CR)
01105	ALUMINUM, TOTAL (UG/L AS AL)	01031	CHROMIUM, SUSPENDED (UG/L AS CR)
01107	ALUMINUM, SUSPENDED RECOVERABLE (UG/L AS AL)	01034	CHROMIUM, TOTAL RECOVERABLE (UG/L AS CR)
01107	ALUMINUM, SUSPENDED (UG/L AS AL)	01034	CHROMIUM, TOTAL (UG/L AS CR)
01108	ALUMINUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS AL)	01036	COBALT, SUSPENDED RECOVERABLE (UG/L AS CO)
01108	ALUMINUM, TOTAL IN BOTTOM MATERIAL (UG/G AS AL)	01036	COBALT, SUSPENDED (UG/L AS CO)
01096	ANTIMONY, SUSPENDED TOTAL (UG/L AS SB)	01037	COBALT, TOTAL RECOVERABLE (UG/L AS CO)
01096	ANTIMONY, SUSPENDED (UG/L AS SB)	01037	COBALT, TOTAL (UG/L AS CO)
34502	AROCLOH, SUSPENDED TOTAL, 1248 PCR SERIES (UG/L)	01038	COBALT, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS CO)
34502	AROCLOH, SUSPENDED, 1248 PCR SERIES (UG/L)	01038	COBALT, TOTAL IN BOTTOM MATERIAL (UG/G AS CO)
34506	AROCLOH, SUSPENDED TOTAL, 1254 PCR SERIES (UG/L)	01041	COPPER, SUSPENDED RECOVERABLE (UG/L AS CU)
34506	AROCLOH, SUSPENDED, 1254 PCR SERIES (UG/L)	01041	COPPER, SUSPENDED (UG/L AS CU)
34510	AROCLOH, SUSPENDED TOTAL, 1260 PCR SERIES (UG/L)	01042	COPPER, TOTAL RECOVERABLE (UG/L AS CU)
34510	AROCLOH, SUSPENDED, 1260 PCR SERIES (UG/L)	01042	COPPER, TOTAL (UG/L AS CU)
01001	ARSENIC, SUSPENDED TOTAL (UG/L AS AS)	01043	COPPER, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS CU)
01001	ARSENIC, SUSPENDED (UG/L AS AS)	01043	COPPER, TOTAL IN BOTTOM MATERIAL (UG/G AS CU)
01006	HARTUM, SUSPENDED RECOVERABLE (UG/L AS RA)	34362	DND, SUSPENDED TOTAL (UG/L)
01006	HARTUM, SUSPENDED (UG/L AS RA)	34362	DND, SUSPENDED (UG/L)
01007	HARTUM, TOTAL RECOVERABLE (UG/L AS RA)	34367	DNE, SUSPENDED TOTAL (UG/L)
01007	HARTUM, TOTAL (UG/L AS RA)	34367	DNE, SUSPENDED (UG/L)
01008	HARTUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS RA)	34372	DNT, SUSPENDED TOTAL (UG/L)
01008	HARTUM, TOTAL IN BOTTOM MATERIAL (UG/G AS RA)	34372	DNT, SUSPENDED (UG/L)
01011	HERYLLIUM, SUSPENDED RECOVERABLE (UG/L AS HF)	34573	DIAZINUM, SUSPENDED TOTAL (UG/L)
01011	HERYLLIUM, SUSPENDED (UG/L AS HF)	34573	DIAZINUM, SUSPENDED (UG/L)
01012	HERYLLIUM, TOTAL RECOVERABLE (UG/L AS HF)	34382	DIELDRIN, SUSPENDED TOTAL (UG/L)
01012	HERYLLIUM, TOTAL (UG/L AS HF)	34382	DIELDRIN, SUSPENDED (UG/L)
01013	HERYLLIUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS RE)	34392	ENDRIN, SUSPENDED TOTAL (UG/L)
01013	HERYLLIUM, TOTAL IN BOTTOM MATERIAL (UG/G AS RE)	34392	ENDRIN, SUSPENDED (UG/L)
03505	BETA, SUSPENDED TOTAL (PCI/L)	01121	GALLIUM, SUSPENDED TOTAL (UG/L AS GA)
03505	BETA, SUSPENDED (PCI/L)	01121	GALLIUM, SUSPENDED (UG/L AS GA)
03506	BETA, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)	01516	GROSS ALPHA RADIOACTIVITY, SUSPENDED TOTAL (PCI/L AS U NATURAL)
03506	BETA, SUSPENDED, COUNTING ERROR (PCI/L)	01516	GROSS ALPHA RADIOACTIVITY, SUSPENDED (PCI/L AS U NATURAL)
01016	HISMUTH, SUSPENDED TOTAL (UG/L AS HT)	01517	GROSS ALPHA RADIOACTIVITY, SUSPENDED TOTAL (PCI/G AS U NATURAL)
01016	HISMUTH, SUSPENDED (UG/L AS HT)	01517	GROSS ALPHA RADIOACTIVITY, SUSPENDED (PCI/G AS U NATURAL)
01021	HONON, SUSPENDED RECOVERABLE (UG/L AS B)	01518	GROSS ALPHA RADIOACTIVITY, SUSPENDED TOTAL (UG/G AS U NATURAL)
01021	HONON, SUSPENDED (UG/L AS B)	01518	GROSS ALPHA RADIOACTIVITY, SUSPENDED (UG/G AS U NATURAL)
01022	HONON, TOTAL RECOVERABLE (UG/L AS B)	00040	GROSS ALPHA RADIOACTIVITY, SUSPENDED TOTAL (UG/L AS U NATURAL)
01022	HONON, TOTAL (UG/L AS B)	00040	GROSS ALPHA RADIOACTIVITY, SUSPENDED (UG/L AS U NATURAL)
01023	HONON, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS B)	00060	GROSS BETA RADIOACTIVITY, SUSPENDED TOTAL (PCI/L AS SR/YT-90)
01023	HONON, TOTAL IN BOTTOM MATERIAL (UG/G AS B)	00060	GROSS BETA RADIOACTIVITY, SUSPENDED (PCI/L AS SR/YT-90)
01026	CADMIUM, SUSPENDED RECOVERABLE (UG/L AS CD)	03516	GROSS BETA RADIOACTIVITY, SUSPENDED TOTAL (PCI/L AS CS-137)
01026	CADMIUM, SUSPENDED (UG/L AS CD)	03516	GROSS BETA RADIOACTIVITY, SUSPENDED (PCI/L AS CS-137)
01027	CADMIUM, TOTAL RECOVERABLE (UG/L AS CD)	03517	GROSS BETA RADIOACTIVITY, SUSPENDED TOTAL (PCI/G AS SR/YT-90)
01027	CADMIUM, TOTAL (UG/L AS CD)	03517	GROSS BETA RADIOACTIVITY, SUSPENDED (PCI/G AS SR/YT-90)
01028	CADMIUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS CD)	03518	GROSS BETA RADIOACTIVITY, SUSPENDED TOTAL (PCI/G AS CS-137)
01028	CADMIUM, TOTAL IN BOTTOM MATERIAL (UG/G AS CD)	03518	GROSS BETA RADIOACTIVITY, SUSPENDED (PCI/G AS CS-137)
00916	CALCIUM, TOTAL RECOVERABLE (MG/L AS CA)	34412	HEPTACHLOR, SUSPENDED TOTAL (UG/L)
00916	CALCIUM, TOTAL (MG/L AS CA)	34412	HEPTACHLOR, SUSPENDED (UG/L)
07052	CALCIUM 45, SUSPENDED TOTAL (PCI/L)	34422	HEPTACHLOR EPOXIDE, SUSPENDED TOTAL (UG/L)
07052	CALCIUM 45, SUSPENDED (PCI/L)	34422	HEPTACHLOR EPOXIDE, SUSPENDED (UG/L)
07053	CALCIUM 45, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)	01044	IRON, SUSPENDED RECOVERABLE (UG/L AS FE)
07053	CALCIUM 45, SUSPENDED, COUNTING ERROR (PCI/L)	01044	IRON, SUSPENDED (UG/L AS FE)
00683	CARRON, ORGANIC, SUSPENDED TOTAL (MG/L AS C)	01045	IRON, TOTAL RECOVERABLE (UG/L AS FE)
00683	CARRON, ORGANIC, SUSPENDED (MG/L AS C)	01045	IRON, TOTAL (UG/L AS FE)
00688	CARRON, INORGANIC, SUSPENDED TOTAL (MG/L AS C)	01170	IRON, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS FE)
00688	CARRON, INORGANIC, SUSPENDED (MG/L AS C)	01170	IRON, TOTAL IN BOTTOM MATERIAL (UG/G AS FE)
00689	CARRON, ORGANIC, SUSPENDED TOTAL (MG/L AS C)	07062	IRON 59, SUSPENDED TOTAL (PCI/L)
00689	CARRON, ORGANIC, SUSPENDED (MG/L AS C)	07062	IRON 59, SUSPENDED (PCI/L)
00694	CARRON, INORGANIC PLUS ORGANIC, SUSPENDED TOTAL (MG/L AS C)		
00694	CARRON, INORGANIC PLUS ORGANIC, SUSPENDED (MG/L AS C)		
01116	CESTUM, SUSPENDED TOTAL (UG/L AS CS)		
01116	CESTUM, SUSPENDED (UG/L AS CS)		
28404	CESTUM 137, SUSPENDED TOTAL (PCI/L)		
28404	CESTUM 137, SUSPENDED (PCI/L)		
28405	CESTUM 137, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)		
28405	CESTUM 137, SUSPENDED, COUNTING ERROR (PCI/L)		
28412	CESTUM 134, SUSPENDED TOTAL (PCI/L)		
28412	CESTUM 134, SUSPENDED (PCI/L)		

PARM. CODE	NFA TERMINOLOGY -- FIRST LINE OLD TERMINOLOGY -- SECOND LINE
07063	IRON 59, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)
07063	IRON 59, SUSPENDED, COUNTING ERROR (PCI/L)
39432	ISOPRTIN, SUSPENDED TOTAL (UG/L)
39432	ISOPRTIN, SUSPENDED (UG/L)
01050	LEAD, SUSPENDED RECOVERABLE (UG/L AS Pb)
01050	LEAD, SUSPENDED (UG/L AS Pb)
01051	LEAD, TOTAL RECOVERABLE (UG/L AS Pb)
01051	LEAD, TOTAL (UG/L AS Pb)
01052	LEAD, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS Pb)
01052	LEAD, TOTAL IN BOTTOM MATERIAL (UG/G AS Pb)
39342	LINDANE, SUSPENDED TOTAL (UG/L)
39342	LINDANE, SUSPENDED (UG/L)
01131	LITHIUM, SUSPENDED RECOVERABLE (UG/L AS Li)
01131	LITHIUM, SUSPENDED (UG/L AS Li)
01132	LITHIUM, TOTAL RECOVERABLE (UG/L AS Li)
01132	LITHIUM, TOTAL (UG/L AS Li)
00926	MAGNESIUM, SUSPENDED RECOVERABLE (MG/L AS Mg)
00926	MAGNESIUM, SUSPENDED (MG/L AS Mg)
00927	MAGNESIUM, TOTAL RECOVERABLE (MG/L AS Mg)
00927	MAGNESIUM, TOTAL (MG/L AS Mg)
39533	MALATHION, SUSPENDED TOTAL (UG/L)
39533	MALATHION, SUSPENDED (UG/L)
01053	MANGANESE, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS Mn)
01053	MANGANESE, TOTAL IN BOTTOM MATERIAL (UG/G AS Mn)
01054	MANGANESE, SUSPENDED RECOVERABLE (UG/L AS Mn)
01054	MANGANESE, SUSPENDED (UG/L AS Mn)
01055	MANGANESE, TOTAL RECOVERABLE (UG/L AS Mn)
01055	MANGANESE, TOTAL (UG/L AS Mn)
71895	MERCURY, SUSPENDED RECOVERABLE (UG/L AS Hg)
71895	MERCURY, SUSPENDED (UG/L AS Hg)
71900	MERCURY, TOTAL RECOVERABLE (UG/L AS Hg)
71900	MERCURY, TOTAL (UG/L AS Hg)
71921	MERCURY, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS Hg)
71921	MERCURY, TOTAL IN BOTTOM MATERIAL (UG/G AS Hg)
39603	METHYL PARATHION, SUSPENDED TOTAL (UG/L)
39603	METHYL PARATHION, SUSPENDED (UG/L)
39757	MIREX, SUSPENDED TOTAL (UG/L)
39757	MIREX, SUSPENDED (UG/L)
01061	MOLYBDENUM, SUSPENDED RECOVERABLE (UG/L AS Mo)
01061	MOLYBDENUM, SUSPENDED (UG/L AS Mo)
01062	MOLYBDENUM, TOTAL RECOVERABLE (UG/L AS Mo)
01062	MOLYBDENUM, TOTAL (UG/L AS Mo)
01063	MOLYBDENUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS Mo)
01063	MOLYBDENUM, TOTAL IN BOTTOM MATERIAL (UG/G AS Mo)
01066	NICKEL, SUSPENDED RECOVERABLE (UG/L AS Ni)
01066	NICKEL, SUSPENDED (UG/L AS Ni)
01067	NICKEL, TOTAL RECOVERABLE (UG/L AS Ni)
01067	NICKEL, TOTAL (UG/L AS Ni)
01068	NICKEL, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS Ni)
01068	NICKEL, TOTAL IN BOTTOM MATERIAL (UG/G AS Ni)
00623	NITROGEN, AMMONIA PLUS ORGANIC, DISSOLVED (MG/L AS N)
00623	NITROGEN, KJELDAHL, DISSOLVED (MG/L AS N)
00624	NITROGEN, AMMONIA PLUS ORGANIC, SUSPENDED TOTAL (MG/L AS N)
00624	NITROGEN, KJELDAHL, SUSPENDED (MG/L AS N)
00625	NITROGEN, AMMONIA PLUS ORGANIC, TOTAL (MG/L AS N)
00625	NITROGEN, KJELDAHL, TOTAL (MG/L AS N)
00626	NITROGEN, AMMONIA PLUS ORGANIC, TOTAL IN BOTTOM MATERIAL, DRY WT (MG/KG AS N)
00626	NITROGEN, KJELDAHL, TOTAL IN BOTTOM MATERIAL, DRY WT (MG/KG AS N)
39543	PARATHION, SUSPENDED TOTAL (UG/L)
39543	PARATHION, SUSPENDED (UG/L)
39518	PCB, SUSPENDED TOTAL (UG/L)
39518	PCB, SUSPENDED (UG/L)
09505	RADIUM 226, SUSPENDED TOTAL (PCI/L)
09505	RADIUM 226, SUSPENDED (PCI/L)
07082	RHODAMINE WT, SUSPENDED TOTAL (UG/L)
07082	RHODAMINE WT, SUSPENDED (UG/L)
01136	RUBIDIUM, SUSPENDED TOTAL (UG/L AS Rb)
01136	RUBIDIUM, SUSPENDED (UG/L AS Rb)
29633	SCANDIUM 46, SUSPENDED TOTAL (PCI/L)
29633	SCANDIUM 46, SUSPENDED (PCI/L)
29634	SCANDIUM 46, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)
29634	SCANDIUM 46, SUSPENDED, COUNTING ERROR (PCI/L)
01146	SELENIUM, SUSPENDED TOTAL (UG/L AS Se)
01146	SELENIUM, SUSPENDED (UG/L AS Se)
07102	SELENIUM 75, SUSPENDED TOTAL (PCI/L)
07102	SELENIUM 75, SUSPENDED (PCI/L)

PARM. CODE	NFA TERMINOLOGY -- FIRST LINE OLD TERMINOLOGY -- SECOND LINE
07103	SILFENIUM 75, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)
07103	SILFENIUM 75, SUSPENDED, COUNTING ERROR (PCI/L)
01076	SILVER, SUSPENDED RECOVERABLE (UG/L AS Ag)
01076	SILVER, SUSPENDED (UG/L AS Ag)
01077	SILVER, TOTAL RECOVERABLE (UG/L AS Ag)
01077	SILVER, TOTAL (UG/L AS Ag)
01078	SILVER, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS Ag)
01078	SILVER, TOTAL IN BOTTOM MATERIAL (UG/G AS Ag)
07122	SILVER 110, SUSPENDED TOTAL (PCI/L)
07122	SILVER 110, SUSPENDED (PCI/L)
07123	SILVER 110, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)
07123	SILVER 110, SUSPENDED, COUNTING ERROR (PCI/L)
39763	SILVER, SUSPENDED TOTAL (UG/L)
39763	SILVER, SUSPENDED (UG/L)
70299	SOLIDS, HFSTOIL AT 110 DEG. C, SUSPENDED TOTAL (MG/L)
70299	SOLIDS, HFSTOIL AT 110 DEG. C, SUSPENDED (MG/L)
01081	STRONTIUM, SUSPENDED RECOVERABLE (UG/L AS Sr)
01081	STRONTIUM, SUSPENDED (UG/L AS Sr)
01082	STRONTIUM, TOTAL RECOVERABLE (UG/L AS Sr)
01082	STRONTIUM, TOTAL (UG/L AS Sr)
01083	STRONTIUM, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS Sr)
01083	STRONTIUM, TOTAL IN BOTTOM MATERIAL (UG/G AS Sr)
13505	STRONTIUM 90, SUSPENDED TOTAL (PCI/L)
13505	STRONTIUM 90, SUSPENDED (PCI/L)
13506	STRONTIUM 90, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)
13506	STRONTIUM 90, SUSPENDED, COUNTING ERROR (PCI/L)
07142	SULFUR 35, SUSPENDED TOTAL (PCI/L)
07142	SULFUR 35, SUSPENDED (PCI/L)
07143	SULFUR 35, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)
07143	SULFUR 35, SUSPENDED, COUNTING ERROR (PCI/L)
01101	TIN, SUSPENDED RECOVERABLE (UG/L AS Sn)
01101	TIN, SUSPENDED (UG/L AS Sn)
01102	TIN, TOTAL RECOVERABLE (UG/L AS Sn)
01102	TIN, TOTAL (UG/L AS Sn)
01151	TITANIUM, SUSPENDED TOTAL (UG/L AS Ti)
01151	TITANIUM, SUSPENDED (UG/L AS Ti)
39802	TOXAPHENE, SUSPENDED TOTAL (UG/L)
39802	TOXAPHENE, SUSPENDED (UG/L)
07010	TRITIUM, SUSPENDED TOTAL (PCI/L)
07010	TRITIUM, SUSPENDED (PCI/L)
07011	TRITIUM, SUSPENDED TOTAL, COUNTING ERROR (PCI/L)
07011	TRITIUM, SUSPENDED, COUNTING ERROR (PCI/L)
07014	TRITIUM, SUSPENDED TOTAL, COUNTING ERROR (TRITIUM UNITS)
07014	TRITIUM, SUSPENDED, COUNTING ERROR (TRITIUM UNITS)
07016	TRITIUM, SUSPENDED TOTAL (TRITIUM UNITS)
07016	TRITIUM, SUSPENDED (TRITIUM UNITS)
22705	URANIUM, NATURAL, SUSPENDED TOTAL (UG/L AS U NATURAL)
22705	URANIUM, NATURAL, SUSPENDED (UG/L AS U NATURAL)
01086	VANADIUM, SUSPENDED TOTAL (UG/L AS V)
01086	VANADIUM, SUSPENDED (UG/L AS V)
01091	ZINC, SUSPENDED RECOVERABLE (UG/L AS Zn)
01091	ZINC, SUSPENDED (UG/L AS Zn)
01092	ZINC, TOTAL RECOVERABLE (UG/L AS Zn)
01092	ZINC, TOTAL (UG/L AS Zn)
01093	ZINC, RECOVERABLE FROM BOTTOM MATERIAL (UG/G AS Zn)
01093	ZINC, TOTAL IN BOTTOM MATERIAL (UG/G AS Zn)
01161	ZIRCONIUM, SUSPENDED TOTAL (UG/L AS Zr)
01161	ZIRCONIUM, SUSPENDED (UG/L AS Zr)
39733	2,4-D, SUSPENDED TOTAL (UG/L)
39733	2,4-D, SUSPENDED (UG/L)
39743	2,4,5-T, SUSPENDED TOTAL (UG/L)
39743	2,4,5-T, SUSPENDED (UG/L)

Page	Page
Aberdeen, Buttahatchee River near.....	57
James Creek at.....	55
Nichols Creek near.....	55
Tombigbee River at.....	52-54
Accuracy of field data and computed results....	10
Acknowledgments.....	2
Acre-foot, definition of.....	2
Agricola, Escatawpa River near.....	118
Algae, definition of.....	2
Amite River near Darlington, LA.....	241
Amory, Tombigbee River near.....	49-51
Analyses of samples collected at water-quality miscellaneous sites.....	260-262
Analyses of samples collected during short-term intensive studies.....	263-328
Bayou Casotte and Bayou Chico near Pascagoula	263-268
Hobolochitto Creek near Picayune.....	304-312
Lead Bayou near Cleveland.....	320-328
Pascagoula and Escatawpa Rivers.....	269-286
Pearl River near Jackson.....	294-303
Tillatoba Creek near Charleston.....	313-319
Yockanookany River near Ackerman.....	287-293
Aquifer, definition of.....	2
Arkabutla, Coldwater River at Arkabutla Dam near.....	172
Arkabutla Lake near Arkabutla.....	171
Artesian, definition of.....	2
Arundel, Okatibbee Creek at.....	90-91
Ash mass, definition of.....	3
Bacteria, definition of.....	2
Bayou Pierre basin, crest-stage partial-record stations in.....	251
hydrologic-data station records in.....	229
Bayou Pierre near Willows.....	229
Bear Creek at Bishop, AL.....	146
Beaumont, Leaf River at.....	85-86
Beaverdam Creek at Richton.....	260-262
Bed material, definition of.....	2
Belmont, Rock Creek near.....	34
Benndale, Pascagoula River near.....	104-111
Berea Creek near Holts Spur.....	259
Big Black River basin, crest-stage partial-record stations in.....	250
hydrologic-data station records in.....	219-228
Big Black River at West.....	219
near Bovina.....	220-228
Big Brown Creek at Altitude.....	255
near Booneville.....	18
Big Brown Creek tributary No. 3 at Altitude....	256
Big Creek tributary near Laurel.....	245
Big Rock Hollow near Altitude.....	255
Big Sand Creek tributary near North Carrollton.	250
Big Sunflower River at Sunflower.....	200
Bigbee, Tombigbee River at.....	44
Biloxi River basin, crest-stage partial-record stations in.....	247
hydrologic-data station records in.....	120
Biloxi River at Wortham.....	120
near Lyman.....	247
Biochemical oxygen demand, definition of.....	2
Biomass, definition of.....	2
Bishop, AL, Bear Creek at.....	146
Black Branch at Paden.....	257
Black Creek near Brooklyn.....	112
near Wiggins.....	116
Blue-green algae, definition of.....	4
Bluff Creek near Vancleave.....	119
Bluff Creek tributary near Vancleave.....	252
Bogalusa, LA, Pearl River near.....	143
Boggans ditch near Mendenhall.....	248
Bogue Chitto near Tylertown.....	144
Bogue Fallah Creek tributary near Ackerman....	244
Bogue Homo near Richton.....	84, 260-262
Booneville, Big Brown Creek near.....	18
Bottom material.....	3
Bovina, Big Black River near.....	220-228
Bowie Creek near Hattiesburg.....	73
near Sanford.....	245
Bowie River near Glendale.....	74-75
Brooklyn, Black Creek near.....	112
Bruce, Skuna River at.....	181
Buck Creek near Runnelstown.....	246
Buckatunna Creek near Denham.....	98
Buckins Creek near Peyton.....	254
Buffalo River basin, hydrologic-data station records in.....	240
Buffalo River near Woodville.....	240
Bull Mountain Creek at Tremont.....	41
near Smithville.....	42-43
Burgess Creek near Paden.....	256
Burnsville, Little Yellow Creek East near.....	147
Buttahatchee River near Aberdeen.....	57
near Kolola Springs.....	58
Calendar for water year 1978.....	2nd cover
Calhoun City, Yalobusha River at.....	179-180
Cany Creek near Coffeville.....	249
Carthage, Pearl River near.....	130-131
Catalpa Creek at Mayhew.....	244
Caveness Branch near Moores Mill.....	258
Cedar Creek near Brooksville.....	244
Cells/volume, definition of.....	3
Cfs-day, definition of.....	3
Charleston, South Fork Tillatoba Creek near....	176-177
Chemical oxygen demand, definition of.....	3
Chickasawhay River at Enterprise.....	92-93
at Leakesville.....	99-101
at Shubuta.....	94
at Woodwards.....	95-96
near Waynesboro.....	97
Chiwapa Creek at Shannon.....	243
Chlorophyll, definition of.....	3
Chuquatonchee Creek near Egypt.....	243
near Okalona.....	243
near West Point.....	244
Chuquatonchee Creek tributary near Trebloc....	244
Chunky River near Chunky.....	88
Clarks Creek near Pattison.....	251, 254
Clausel Creek at Cairo.....	259
Clausel Creek tributary at Cairo.....	259
Clear Branch near Tupelo.....	243
Clear Creek near Bovina.....	250
Clear Creek tributary near Pelahatchie.....	247
Cleveland, Sewage disposal ditch at.....	253
Cochrane, AL, Tombigbee River near.....	66
Coffee Bogue at Ludlow.....	247
Coldwater River at Arkabutla Dam, near Arkabutla.....	172
Coles Creek near Fayette.....	251
Collection and computation of stage and water- discharge data.....	8
Collection and examination of water-quality data.....	11
Collection of ground-water level data.....	12
Collins, Leaf River near.....	70
Color unit, definition of.....	3
Columbia, Pearl River near.....	142
Columbus, Luxapallila Creek near.....	64-65
Tombigbee River at.....	62-63
Tombigbee River near.....	61
Contents, definition of.....	3
Control, definition of.....	3
Conversion factors, inch-pounds units to International units (SI).....	3rd cover
Coonewar Creek at Shannon.....	243
Cooperation.....	1
Copiah Creek near Hazlehurst.....	248
Crest-stage partial record stations.....	243-251

Page

Page

Cripple Deer Creek near Tishomingo.....	258	Ground-water level records and quality records	
Cripple Deer Creek tributary near Iuka.....	258	in (Continued):	
Cross Roads, Yellow Creek at.....	155-162	Choctaw County.....	337, 482-485
CRS Draw near Liberty.....	251	Claiborne County.....	337, 482-485
Cubic feet per second per square mile,		Clarke County.....	482-485
definition of.....	3	Clay County.....	337-339, 482-485
Cubic foot per second, definition of.....	3	Coahoma County.....	340, 482-485
Cummings Creek near Fulton.....	37	Copolah County.....	341
Cypress Creek near Etta.....	249	Covington County.....	482-485
Cypress Creek near Janice.....	113-115	De Soto County.....	341-342, 482-485
Cypress Creek near New Augusta.....	260-262	Forrest County.....	342-343, 482-485
		Franklin County.....	343
Darlington, LA, Amite River near.....	241	George County.....	482-485
Davis Creek near Scobey.....	253	Greene County.....	343
near Tillatoba.....	253	Grenada County.....	344-345, 482-489
Definition of terms.....	2	Hancock County.....	345-348
Denham, Buckatunna Creek near.....	98	Harrison County.....	348-349
Dennis, Mackeys Creek near.....	21-33	Hinds County.....	350-352, 486-489
Diatoms, definition of.....	4	Holmes County.....	353
Dillon Creek at Lampton.....	260-262	Humphreys County.....	354
Discharge at partial-record stations and		Itawamba County.....	354
miscellaneous sites.....	242-259	Jackson County.....	354-358
Discharge comparison at representative gaging		Jefferson County.....	358
stations, graph showing.....	14	Jones County.....	359
Discharge, definition of.....	3	Lafayette County.....	360, 486-489
Discharge measurements at miscellaneous sites..	252-254	Lamar County.....	361, 486-489
at low-flow partial-record sites.....	242	Lauderdale County.....	361
in Tennessee-Tombigbee study area.....	255-259	Lawrence County.....	486-489
Dissolved, definition of.....	3	Leake County.....	361, 486-489
Doskie, Yellow Creek near.....	148-154	Lee County.....	362-363, 486-489
Downstream order and station number.....	7	Leflore County.....	363-364
Drainage area, definition of.....	3	Lincoln County.....	365
Drainage basin, definition of.....	3	Lowndes County.....	365-367, 486-489
Dry mass, definition of.....	3	Madison County.....	367
		Marion County.....	486-489
East Hobolochitto Creek at Picayune.....	242	Marshall County.....	367, 486-489
East Prong near Altitude.....	255	Monroe County.....	368-369, 486-489
East Prong tributary near Altitude.....	255-256	Montgomery County.....	369, 486-489
Eastabuchie, Leaf River at.....	71-72	Noxubee County.....	370
Eastern Gulf of Mexico basins, Hydrologic-data		Oktibbeha County.....	370, 486-489
station records in.....	18-144	Panola County.....	486-489
Eddiceton, Homochitto River at.....	230	Perry County.....	486-493
Edinburg, Pearl River at.....	128-129	Pike County.....	371, 490-493
Elmers Draw near Columbia.....	249	Prentiss County.....	371
Enid Lake near Enid.....	169	Pontotoc County.....	490-493
Enid, Yocona River at Enid Dam near.....	170	Rankin County.....	372, 490-493
Enterprise, Chickasaw River at.....	92-93	Scott County.....	372
Escatawpa River near Agricola.....	118	Sharkey County.....	372
Etta, Little Tallahatchie River at.....	165	Simpson County.....	373, 490-493
Eubanks Creek at Jackson.....	248	Sunflower County.....	373
Explanation of ground-water level records.....	12	Tate County.....	373-374
Explanation of stage and water-discharge		Tippah County.....	374, 490-493
records.....	8	Tishomingo County.....	374-375
Explanation of water-quality records.....	11	Tunica County.....	376, 490-493
		Union County.....	490-493
Fairview, Mud Creek near.....	36	Warren County.....	376
Fannegusha Creek near Sand Hill.....	247	Washington County.....	376-377
Fannegusha Creek near Tchula.....	250	Wayne County.....	378, 490-493
Fecal coliform bacteria, definition of.....	2	Webster County.....	378
Fecal streptococcal bacteria, definition of....	2	Wilkinson County.....	378-379, 490-493
Flat Scooba Creek tributary near Scooba.....	244	Yalobusha County.....	490-493
Florence, AL, Tennessee River at.....	145	Yazoo County.....	379-380
Franklin Creek near Grand Bay, AL.....	246		
Fulton, Cummings Creek near.....	37	Ground-water level records and quality records	
Tombigbee River near.....	38-40	in Tennessee-Tombigbee study area:	
		Clay County.....	478-480, 494-495
Gage height, definition of.....	3	Itawamba County.....	431-447, 494-495, 497
Gaging station, definition of.....	3	Lowndes County.....	471-478, 494-495
Geiger, AL, Noxubee River near.....	69	Monroe County.....	447-471, 491-495, 497
Glendale, Bowie River near.....	74-75	Prentiss County.....	423-431
Goines Draw near Prentiss.....	249	Tishomingo County.....	381-423, 496
Gordon Creek at Broad Street at Hattiesburg....	245		
Granny Branch at Piave.....	246	Hanging Moss Creek at Jackson.....	248
Green algae, definition of.....	5	Hardness, definition of.....	4
Greenwood, Yazoo River at.....	184	Hattiesburg, Bowie Creek near.....	73
Grenada Lake near Grenada.....	182	Leaf River at.....	76-77
Grenada, Yalobusha River at Grenada Dam near....	183	Hays Creek tributary No. 1 near Vaiden.....	250
Ground-water level records and quality records		Heading Mill Hollow near Altitude.....	255
in:		Hell Creek near New Albany.....	249
Adams County.....	329-330	Hobolochitto Creek at Picayune.....	242
Alcorn County.....	330-332, 482-485	Hollybush Creek tributary No. 1 near Pisgah....	247
Amite County.....	482-485	Homochitto River basin, crest-stage partial-record	
Attala County.....	332-334	stations in.....	251
Benton County.....	482-485	hydrologic-data station records in.....	230-239
Boliivar County.....	334-336	Homochitto River at Eddiceton.....	230
Calhoun County.....	336, 482-485	at Rosetta.....	231-239
Carroll County.....	482-485	Houlka Creek near McCondy.....	244
Chickasaw County.....	336-337, 482-485	Hurricane Creek near Paden.....	256
		Hurricane Creek tributary near Paden.....	257
		Hydrologic bench-mark station, definition of...	8

Page	Page
Hydrologic conditions.....	2
Hydrologic-data station records.....	18-241
Hydrologic unit, definition of.....	4
Indian Branch near Edinburg.....	247
Instantaneous discharge, definition of.....	3
Introduction.....	1
Jackson, Pearl River at.....	137-138
Jackson Sewage Effluent near Jackson.....	252
James Creek at Aberdeen.....	56, 243
Janice, Cypress Creek near.....	113-115
Jourdan Creek near Dennis.....	258
King Creek North Fork at Tishomingo.....	257
King Creek South Fork at Tishomingo.....	257
King Creek tributary at Tishomingo.....	257
Kolola Springs, Buttahatchie River near.....	58
Kosciusko, Yockanookany River near.....	134
Lacy Creek near New Hope.....	256
Lambert, Tallahatchie River near.....	173
Landon, Wolf River near.....	121-127
Laurel, Tallahala Creek at.....	82
Lead Bayou near Boyle.....	254
Lead Bayou tributary No. 1 at Cleveland.....	253
near Boyle.....	253
Lead Bayou tributary No. 2 near Boyle.....	254
Leaf River at Beaumont.....	85-86
at Eastabuchie.....	71-72
at Hattiesburg.....	76-77
at Taylorsville.....	245
near Collins.....	70
near McLain.....	87
near Palmer.....	78-79
near Raleigh.....	245
Leakesville, Chickasawhay River at.....	99-101
Line Creek near Maben.....	244
Little Brown Creek near Burton.....	256
near New Site.....	19
Little Brown Creek tributary near Burton.....	256
near New Hope.....	256
Little Creek near Fayette.....	251
near Midway.....	258
Little Cripple Deer Creek tributary near Iuka.....	258
Little Okatuppa Creek near Quitman.....	244
Little Rock Creek tributary near Little Rock.....	246
Little Tallahatchie River at Etta.....	165
at Sardis Dam, near Sardis.....	167
Little Yellow Creek East near Burnsville.....	147, 259
Lobutchka Creek tributary at Wamba.....	247
Long Creek near Cascilla.....	250
Long Creek at Courtland.....	249
Low-flow partial-record stations.....	242
Lower Little Creek near Pinebur.....	260-262
Lower Mississippi River basin, hydrologic-data station records in.....	163-240
Luxapallila Creek near Columbus.....	64-65
Lynch Creek at Jackson.....	248
McCall Creek near Lucien.....	251
McLain, Leaf River near.....	87
Mackeys Creek near Dennis.....	21-33
Mackeys Creek tributary near Moores Mill.....	258
Mackeys Creek tributary near Paden.....	256, 257
Macon, Noxubee River at.....	67-68
Map showing location of hydrologic-data stations.....	15
Map showing locations of ground-water observation wells.....	17
Map showing location of partial-record stations.....	16
Matubby Creek near Aberdeen.....	243
Mean discharge, definition of.....	3
Measurements in Tennessee-Tombigbee study area.....	255-259
Memphis, TN, Mississippi River at.....	163-164
Meridian, Sowashee Creek at.....	89
Merrill, Pascagoula River at.....	102-103
Metamorphic stage, definition of.....	4
Methylene blue active substance, definition of.....	4
Micrograms per gram, definition of.....	4
Micrograms per liter, definition of.....	4
Middle channel of East Prong near Altitude.....	255
Middle Fork Hickory Flat near Tylertown.....	249
Milligrams per liter, definition of.....	4
Mississippi River Delta, crest-stage partial-record stations in.....	251
hydrologic-data station records in.....	241
Mississippi River Main Stem, hydrologic-data station records on.....	163-164
Mississippi River at Memphis, TN.....	163-164
at Vicksburg.....	207-218
Mobile River basin, crest-stage partial-record stations in.....	243-244
discharge measurements at miscellaneous sites in.....	252
hydrologic-data station records in.....	18-69
Monticello, Pearl River near.....	139-140
Moore Branch near Midway.....	259
Moores Branch near Woodville.....	251
Moores Mill, Red Bud Creek near.....	35
Mosquito Lake tributary No. 1 at Itta Bena.....	250
Mosquito Lake tributary No. 2 at Itta Bena.....	250
Mud Creek near Fairview.....	36
National Geodetic Vertical Datum of 1929, definition of.....	4
National stream-quality accounting network stations, definition of.....	8
National water-quality surveillance system stations, definition of.....	8
Neely Creek near Brandon.....	248
Nettleton, Town Creek near.....	47-48
Networks and programs, special.....	8
New Site, Little Brown Creek near.....	19
Nichols Creek near Aberdeen.....	55, 252
Nichols Creek tributary near Quincy.....	243
North Canal of East Prong near Altitude.....	255
North Tippah Creek near Ripley.....	249
Noxubee River at Macon.....	67-68
near Geiger, AL.....	69
Numbering system for wells and miscellaneous sites.....	7
Oakohay Creek at Mize.....	245
Oakland, Tillatoba Creek below.....	174-175
Oak Vale, Whitesand Creek near.....	141
Ofahoma, Yockanookany River near.....	135-136
Ohio River basin, hydrologic-data station records in.....	145-162
Okatibbee Creek at Arundel.....	90-91
Okatoma Creek tributary No. 2 near Collins.....	245
Organic mass, definition of.....	3
Organism, definition of.....	4
count/area, definition of.....	4
count/volume, definition of.....	4
total count, definition of.....	4
Other data available.....	10
Otocalofa Creek at Water Valley.....	249
Oxford, Yocona River near.....	168
Paden, Pollard Mill Branch near.....	20
Palmer, Leaf River near.....	78-79
Panther Creek at Paden.....	257
Panther Creek tributary near Flora.....	250
Partial-record station, definition of.....	4
Pascagoula River basin, crest-stage partial record stations in.....	245-246
discharge measurements at miscellaneous sites in.....	252
hydrologic-data station records in.....	70-119
Pascagoula River at Merrill.....	102-103
near Bennedale.....	104-111
Pearl River basin, crest-stage partial-record stations in.....	247-249
discharge measurements at miscellaneous sites in.....	252
hydrologic-data station records in.....	128-144
low-flow partial-record stations in.....	242
Pearl River at Byram.....	252
at Edinburg.....	128-129
at Jackson.....	137-138
near Bogalusa, LA.....	143
near Carthage.....	130-131
near Columbia.....	142
near Jackson.....	252
near Monticello.....	139-140
Percent composition, definition of.....	4
Pesticide program.....	8
Pesticides, definition of.....	4
Phytoplankton, definition of.....	4
Picocurie, definition of.....	4
Pigeon Roost Branch near Holts Spur.....	259
Plankton, definition of.....	4
Pollard Mill Branch near Paden.....	20
Polychlorinated biphenyls, definition of.....	5
Pounds Creek near Moores Mill.....	258

	Page		Page
Powers Creek near Rose Hill.....	246	Tangipahoa River tributary near McComb.....	251
Publications on techniques of water-resources investigations.....	13	Taxonomy, definition of.....	6
Purple Creek at Jackson.....	247	Tchoutacabouffa River basin, crest-stage partial-records stations in.....	246
Quiver River tributary near Schlater.....	250	Tennessee River Main Stem, hydrologic-data station records on.....	145
Radiochemical program.....	8	Tennessee River basin, hydrologic-data station records in.....	145-162
Records of discharge collected by agencies other than the Geological Survey.....	10	Tennessee River at Florence, AL.....	145
Recoverable from bottom material, definition of	5	Thermograph, definition of.....	6
Red Bud Creek near Moores Mill.....	35	Thompson Creek basin, crest-stage partial-record stations in.....	251
Red Creek at Vestry.....	117	Three Mile Creek at Jackson.....	248
Red Creek tributary near Wiggins.....	246	Tibbee Creek near Tibbee.....	59-60
Red Cane Creek tributary near Pisgah.....	247	Tilda Bogue near Canton.....	250
Redwood, Yazoo River at.....	201-206	Tillatoba Creek at Charleston.....	242, 253
Reedy Branch near Paden.....	257	below Oakland.....	174-175
Reedy Branch tributary near Paden.....	257	near Charleston.....	253
Richton, Bogue Homo near.....	84	near Oakland.....	253
Riddle Creek near Burton.....	257	near Tillatoba.....	253
Rock Creek near Belmont.....	34, 257	Time-weighted average.....	6
Rosetta, Homochitto River at.....	231-239	Tombigbee River at Aberdeen.....	52-54
Runnelstown, Tallahala Creek near.....	83	at Bigbee.....	44
Runoff in inches, definition of.....	5	at Columbus.....	62-63
Rutledge Branch at Midway.....	258	near Amory.....	49-51
		near Columbus.....	61
Sand Creek tributary near Mayhew.....	244	near Cochran, AL.....	66
Sandersville, Tallahala Creek near.....	81	near Fulton.....	38-40
Sandy Hook Creek near Paden.....	257	Tons per acre-foot, definition of.....	6
Sardis Lake near Sardis.....	166	Tons per day, definition of.....	6, 7
Sardis, Little Tallahatchie River at		Total, definition of.....	6
Sardis Dam, near.....	167	Total coliform bacteria, definition of.....	2
Saucer Creek near Moores Mill.....	258	Total load.....	6
Sediment.....	11	Town Creek at Eason Boulevard at Tupelo.....	45-46
Sediment, definition of.....	5	at Tupelo.....	243
mean concentration, definition of.....	5	near Nettleton.....	47-48
suspended, definition of.....	5	Town Creek at Jackson.....	248
suspended-concentration, definition of.....	5	Tremont, Bull Mountain Creek at.....	41
suspended-discharge, definition of.....	5	Trigger Branch near Tishomingo.....	258
suspended-load, definition of.....	5	Trim Cane Creek near Starkville.....	244
total discharge, definition of.....	5	Tupelo, Town Creek at Eason Boulevard at.....	45-46
Sharkey Creek tributary near West.....	250	Turbidity, definition of.....	7
Shell Creek near Tupelo.....	243	Tuscolameta Creek at Walnut Grove.....	132-133
Shell Bluff, Yazoo River near.....	185-195	Tuxachanie Creek near Biloxi.....	246
Shubuta, Chickasawhay River at.....	94	Tylertown, Bogue Chitto near.....	144
Shubuta Creek near Shubuta.....	246		
Simmons Creek at Tillatoba.....	253	Vanceleave, Bluff Creek near.....	119
near Tillatoba.....	253	Vestry, Red Creek at.....	117
Skuna River at Bruce.....	181	Vicksburg, Mississippi River at.....	207-218
Smithville, Bull Mountain Creek near.....	42-43		
Sodium adsorption ratio, definition of.....	5	Waldrup, Tallahala Creek at.....	80
Solute, definition of.....	5	Walnut Grove, Tuscolameta Creek at.....	132-133
Souinlovey Creek near Baxter.....	246	Water analysis.....	11
South Atlantic and Eastern Gulf of Mexico		Water temperature.....	11
Basins, hydrologic-data stations in.....	18-144	Waterfall Branch near McLain.....	246
South channel of East Prong near Altitude.....	255	Waynesboro, Chickasawhay River near.....	97
South Fork Tillatoba Creek near Charleston.....	176-177	Weighted average, definition of.....	7
near Scobey.....	253	West, Big Black River at.....	219
near Tillatoba.....	253	West Hobolochitto Creek near McNeill.....	249
Sowashee Creek at Meridian.....	89	near Richardson.....	252
Special networks and programs.....	8	Wet mass, definition of.....	3
Specific conductance, definition of.....	5	Whiteoak Creek tributary near Utica.....	251
Stage-discharge relation, definition of.....	5	Whitesand Creek near Oak Vale.....	141
Streamflow, definition of.....	5	Wiggins, Black Creek near.....	116
Strong River at D'Lo.....	248	Willows, Bayou Pierre near.....	229
near Puckett.....	248	Wolf River basin,	
Substrate, definition of.....	5	hydrologic-data station records in.....	121-127
natural.....	5	Wolf River near Landon.....	121-127
artificial.....	6	Woodville, Buffalo River near.....	240
Sunflower, Big Sunflower River at.....	200	Woodwards, Chickasawhay River at.....	95-96
Surface area, definition of.....	6	Wortham, Biloxi River at.....	120
Surficial bed material, definition of.....	6	WRD, definition of.....	7
Suspended, definition of.....	5, 6	WSP, definition of.....	7
Swan Lake, Tallahatchie River at.....	178		
		Yalobusha River at Calhoun City.....	179-180
Tacketts Creek tributary near Pickens.....	250	at Grenada Dam, near Grenada.....	183
Tallahala Creek at Laurel.....	82, 252	Yarber Branch near Altitude.....	255
at Waldrup.....	80, 245	Yazoo City, Yazoo River at.....	196-199
near Runnelstown.....	83	Yazoo River basin, crest-stage partial-record stations in.....	249-250
near Sandersville.....	81, 252	discharge measurements at miscellaneous sites in.....	253-254
Tallahala Creek tributary at 8th Street		hydrologic-data station records in.....	165-206
at Laurel.....	245	low-flow partial-record stations in.....	242
Tallahala Creek tributary No. 2 at Grandview Drive at Laurel.....	245	Yazoo River at Greenwood.....	184
Tallahatchie River at Swan Lake.....	178	at Redwood.....	201-206
near Lambert.....	173	at Yazoo City.....	196-199
Tallahatta Creek near Waldrup.....	245	near Shell Bluff.....	185-195
Tallahoma Creek tributary at Lake Como.....	245		

	Page		Page
Yellow Creek at Cairo.....	259	Yockanookany River tributary at Ackerman.....	252
at Cross Roads.....	155-162	near McCool.....	247
near Doskie.....	148-154	Yocona River at Enid Dam, near Enid.....	170
Yellow Creek tributaries in vicinity of Holcut.	259	near Oxford.....	168
Yockanookany River at Ackerman.....	252		
at Fentress.....	252	Zooplankton, definition of.....	5
near Kosciusko.....	134		
near Ofahoma.....	135-136		

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). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

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 00452418 5

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF THE INTERIOR
INT 413



U.S. DEPARTMENT OF THE INTERIOR
Geological Survey
Suite 710, Fed. Off. Bldg. —100 West Capitol Street
Jackson, MS 39201

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300
SPECIAL 4TH CLASS BOOK RATE