

1974

R
(200)
Ga 3
Louisiana
1974

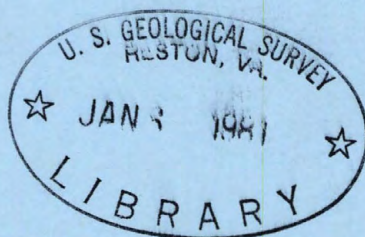
12-27-74

X

Water Resources Data for Louisiana

Part 1. Surface Water Records

Part 2. Water Quality Records



**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

Prepared in cooperation with the Louisiana Department of
Public Works and with other State and Federal agencies

CALENDAR FOR WATER YEAR 1974

1973

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					

1974

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					

1974

Water Resources Data for Louisiana

Part 1. Surface Water Records

Part 2. Water Quality Records



**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

Prepared in cooperation with the Louisiana Department of
Public Works and with other State and Federal agencies

Prepared in cooperation with
Louisiana Department of Public Works
Louisiana Department of Highways
Sabine River Compact Administration
Corps of Engineers, U.S. Army
Environmental Protection Agency

Copies of this report may be obtained from
District Chief, Water Resources Division
U.S. Geological Survey
6554 Florida Boulevard
P.O. Box 66492
Baton Rouge, Louisiana 70806

1974

CONTENTS

	Page
List of surface-water stations, in downstream order, for which records are published.....	V
List of water-quality stations, in downstream order, for which records are published.....	VIII
Introduction.....	1
Cooperation.....	2
Definition of terms.....	2
Special networks and programs.....	7
Downstream order and station number.....	8
Surface water records.....	9
Collection and computation of data.....	9
Accuracy of data.....	14
Publications.....	14
Other data available.....	15
Water quality records.....	15
Collection and examination of data.....	15
Solutes.....	16
Temperature.....	17
Sediment.....	18
Publications.....	19
Selected references.....	21
Surface-water records.....	29
Water-quality records.....	227
Index.....	469

ILLUSTRATIONS

Figure 1.	Map showing location of continuous gaging stations..	25
2.	Map showing location of crest-stage stations.....	26
3.	Map showing location of water-quality stations.....	27
4.	Map showing location of sampling sites in Lake Pontchartrain.....	440
5.	Map showing location of sampling sites in lower Atchafalaya River basin.....	456

	Page
Table 1. Factors for conversion of chemical constituents in milligrams or micrograms per litre to milliequivalents per litre.....	5
2. Degrees Fahrenheit (°F) to degrees Celsius (°C).....	18
3. Water-supply-paper numbers and parts, water year, 1941-70.....	19
4. Factors for converting English units to International System (SI) units.....	24

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

V

	Page
<u>EASTERN GULF OF MEXICO BASIN</u>	
<u>PEARL RIVER BASIN</u>	
Pearl River near Bogalusa.....	30
Bogue Lusa Creek at State Highway 439, at Bogalusa.....	32
Bogue Chitto near Tylertown, Miss.....	35
Bogue Chitto near Bush.....	36
<u>LOWER MISSISSIPPI RIVER BASIN</u>	
Mississippi River at Vicksburg, Miss.....	38
<u>RED RIVER BASIN</u>	
Red River near Hosston.....	39
Cross Lake Bayou (head of Cross Bayou):	
Paw Paw Bayou near Greenwood.....	40
Twelvemile Bayou (continuation of Cypress Creek):	
Twelvemile Bayou near Dixie.....	42
Red River at Shreveport.....	45
Bayou Dorcheat (head of Loggy Bayou) near Springhill.....	46
Flat Lick Bayou near Leton.....	48
Bayou Dorcheat near Minden.....	50
Lake Bistineau (Bayou Dorcheat) near Ringgold.....	52
Flat River:	
Bodcau Creek (head of Red Chute Bayou):	
Bodcau Bayou (continuation of Bodcau Creek) near Sarepta..	53
Cypress Bayou near Benton.....	55
Loggy Bayou near Ninock.....	57
Bayou Pierre:	
Wallace Bayou:	
Boggy Bayou near Keithville.....	58
Saline Bayou near Lucky.....	60
Black Lake Bayou:	
Grand Bayou near Coushatta.....	62
Black Lake Bayou near Clarence.....	64
Saline Bayou near Clarence.....	67
Nantachie Lake near Aloha.....	70
Cane River:	
Old River:	
Kisatchie Bayou:	
Little Sandy Creek at Kisatchie.....	74
Red River at Alexandria.....	76
Larto Lake at Dam, near Acme.....	77
Ouachita River (head of Black River) near Arkansas-Louisiana	
State line.....	78
Ouachita River at Alabama Landing near Haile.....	80
Bayou Bartholomew near Jones.....	81
Bayou Bartholomew northwest of Jones.....	83
Chemin-a-Haut Bayou near Beekman.....	84

	Page
<u>LOWER MISSISSIPPI RIVER BASIN--Continued</u>	
RED RIVER BASIN--Continued	
Ouachita River (head of Black River)--Continued	
Bayou Bartholomew near Beekman.....	52
Bayou de Loutre near Laran.....	87
Lake Claiborne (Bayou D'Arbonne) near Aycock.....	89
Little Corney Bayou near Lillie.....	90
Bayou D'ARbonne Lake at Farmerville.....	92
Ouachita River at Monroe.....	93
Boeuf River near Arkansas-Louisiana State line.....	94
Boeuf River near Girard.....	96
Big Colewa Bayou (head of Big Creek) near Oak Grove.....	98
Big Colewa Bayou near Pioneer.....	100
Bayou Lafourche near Crew Lake.....	101
Bayou Lafourche near Alto.....	103
Lake Providence (head of Tensas River) at Lake Providence..	104
Brushy Bayou at Tallulah.....	105
Lower Roundaway Bayou tributary near Tallulah.....	106
Tensas River at Tendal.....	107
Bayou Macon near Kilbourne.....	109
Bayou Macon near Delhi.....	111
Dugdemona River:	
Dugdemona River near Jonesboro.....	113
Dugdemona River near Winnfield.....	114
Little River at Rochelle.....	116
Little River near Rochelle.....	117
Big Creek at Pollock.....	118
Black Bayou (head of Bayou Cocodrie):	
Buckner Bayou:	
Lake St. John near Waterproof.....	120
Bayou Cocodrie:	
Lake Concordia near Ferriday.....	121
MISSISSIPPI RIVER DELTA	
Tchefuncta River near Folsom.....	122
Tangipahoa River at Robert.....	124
Tickfaw River at Holden.....	126
Natalbany River at Baptist.....	128
Amite River near Darlington.....	130
Comite River near Olive Branch.....	132
Comite River near Comite.....	134
Amite River near Denham Springs.....	136
Amite River at 4-H Camp near Denham Springs.....	138
Bayou Lafourche at Donaldsonville.....	139
Bayou Lafourche at Thibodaux.....	141
Bayou Lafourche at Valentine.....	142
Bayou Lafourche at Golden Meadow.....	143

SURFACE-WATER STATIONS IN DOWNSTREAM ORDER

VII

	Page
MISSISSIPPI RIVER DELTA--Continued	
Bayou Courtableau (head of Bayou Teche):	
Bayou Cocodrie:	
Spring Creek near Glenmora.....	144
Cocodrie Lake near Clearwater.....	147
Bayou Cocodrie near Clearwater.....	148
Bayou Courtableau at Washington.....	150
West Protection Levee borrow pit channel:	
Bayou des Glaises diversion channel at Moreauville.....	152
State Canal near Krotz Springs.....	154
Bayou Teche at Arnaudville.....	155
Bayou Teche at Keystone Lock, near St. Martinville.....	157
Vermilion River:	
Ruth Canal near Ruth.....	159
WESTERN GULF OF MEXICO BASINS	
MERMENTAU RIVER BASIN	
Bayou des Cannes (head of Mermentau River) near Eunice.....	160
Bayou Nezpique:	
Boggy Bayou near Pine Prairie.....	161
Bayou Nezpique near Basile.....	163
Bayou Nezpique at Mamou Pumping Plant near Basile.....	165
CALCASIEU RIVER BASIN	
Calcasieu River near Glenmora.....	166
Calcasieu River near Oberlin.....	168
Whiskey Chitto Creek near Oberlin.....	170
Bundick Creek near De Ridder.....	172
Calcasieu River near Kinder.....	174
Beckwith Creek (head of West Fork Calcasieu River) near	
De Quincy.....	176
Bear Head Creek (head of Houston River) near Starks.....	178
SABINE RIVER BASIN	
Sabine River at Logansport.....	180
Bayou Castor near Funston.....	181
Bayou Castor near Logansport.....	185
Toledo Bend Reservoir (Sabine River) near Burkeville, Tex.....	187
Sabine River at Toledo Bend Reservoir near Burkeville, Tex.....	188
Bayou Toro near Toro.....	189
Sabine River below Toledo Bend, near Burkeville, Tex.....	191
Bayou Anacoco near Rosepine.....	192
Sabine River near Bon Wier, Tex.....	194
Hoosier Creek near Merryville.....	195
Sabine River near Ruliff, Tex.....	197
Discharge at partial-record stations and miscellaneous sites:	
Crest-stage partial-record stations.....	198
Measurements at miscellaneous sites.....	203
Flood-profile partial-record stations.....	209

	Page
Records for previously unpublished 1973 water year records:	
Bogue Chitto near Tylertown, Miss.....	218
Mississippi River at Vicksburg, Miss.....	219
Mississippi River at Talbert Landing, Miss.....	221
Red River at Shreveport.....	222
Red River at Alexandria.....	223
Ouachita River at Monroe.....	224
Atchafalaya River at Simmesport.....	225

WATER-QUALITY STATIONS, IN DOWNSTREAM ORDER,
FOR WHICH RECORDS ARE PUBLISHED

Letters after station name designate type of data:
(c) chemical, (t) water temperature, (s) sediment

EASTERN GULF OF MEXICO BASIN

PEARL RIVER BASIN

Pearl River near Bogalusa (cs).....	228
-------------------------------------	-----

LOWER MISSISSIPPI RIVER BASIN

RED RIVER BASIN

Red River near Hosston (c).....	233
Red River above Shreveport (c).....	242
Red River at Coushatta (c).....	244
Kepeler Lake nr Castor (c).....	246
Red River at Boyce (c).....	247
Red River at Alexandria (ct).....	254
Red River at Moncla (c).....	259
Ouachita River:	
Ouachita River at Monroe (ct).....	266
Little River near Rochelle (c).....	270
Big Creek at Pollock (ct).....	273
Mississippi River near St. Francisville (c).....	276
Mississippi River below St. Francisville (ct).....	281
Mississippi River at Plaquemine (c).....	283
Mississippi River at Union (c).....	287
Mississippi River at Luling Ferry (c).....	291
Mississippi River at New Orleans (municipal supply) (ct).....	297
Mississippi River at Violet (c).....	302
Mississippi River at Venice (c).....	306
<u>MISSISSIPPI RIVER DELTA</u>	
Amite River at 4-H Club Road near Denham Springs (ct).....	311
Bayou Lafourche at Valentine (c).....	318
Bayou Lafourche at La Rose (c).....	320
Houma Navigation Canal at Dulac (ct).....	322
Atchafalaya River at Simmesport (c).....	332
Wax Lake Outlet at Calumet (c).....	334

SURFACE-WATER STATIONS IN DOWNSTREAM ORDER

IX

	Page
MISSISSIPPI RIVER DELTA--Continued	
Lower Atchafalaya River at Morgan City (c).....	337
Bayou Teche near Oliver (ct).....	340
Vermilion River at State Highway 3073, near Lafayette (ct)....	344
Vermilion River at Perry (c).....	351
WESTERN GULF OF MEXICO BASIN	
SABINE RIVER BASIN	
Bayou Anacoco near Knight (c).....	353
Analyses of samples collected at periodic and miscellaneous sites:	
Periodic sites.....	355
Miscellaneous sites.....	371
Atchafalaya Bay.....	397
Atchafalaya River Basin.....	413
Lake Pontchartrain.....	441
Hurricane Carmen.....	457
Instantaneous suspended-sediment discharge.....	460
Suspended-sediment concentrations.....	461
Temperatures and dissolved oxygen of streams in Louisiana during 1974 water year.....	462
Index.....	469

WATER RESOURCES DATA FOR LOUISIANA, 1974

Part 1. Surface-Water Records

Part 2. Water-Quality Records

INTRODUCTION

Water resources data for the 1974 water year for Louisiana including records of streamflow or reservoir storage at gaging stations, partial-record stations, and miscellaneous sites, and records of water-quality data on the chemical and physical characteristics of surface water, are given in this report. In Part 1, records are included for 355 gaging stations of which 74 are streamflow discharge stations, 8 are stage only streamflow stations, and 11 are reservoir or lake stations; also are included records for 110 flood-profile partial-record stations, 83 crest-stage partial-record stations, and 69 miscellaneous sites. Locations of continuous-record gaging stations are shown in figure 1 and locations of crest-stage partial-record stations are shown in figure 2. In Part 2, water-quality data on chemical, physical, and biological characteristics of surface water were collected from designated sampling sites at predetermined intervals such as once daily, weekly, monthly, or less frequently, and at some sites data were recorded on punched paper tape at 15- or 60-minute intervals. Records are given for sampling stations of which 12 are continuous-record stations, 50 are partial-record stations, and 103 are miscellaneous sites. Locations of water-quality stations are shown in figure 3. A few pertinent stations in bordering States are also included in this report. The records were collected and computed by the Water Resources Division of the U.S. Geological Survey under the direction of Albert N. Cameron, district chief. These data represent that part of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in Louisiana.

Beginning with the 1961 water year, streamflow records and related data have been released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records beginning with the 1964 water year have been similarly released either in separate reports or in conjunction with streamflow records. These reports are for limited distribution and are designed primarily for rapid release of data shortly after the end of the water year.

Records of discharge and stage of streams, and contents and stage of lakes and reservoirs are published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and since then are in a 5-year series. Records of

chemical quality, water temperatures, and suspended sediment have been published since 1941 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." More information is given under the headings "Publications" on pages 15 and 19.

The U.S. Geological Survey and organizations of the State of Louisiana have had cooperative agreements for the systematic collection of streamflow records since 1938, and for water-quality records since 1943. Organizations that assisted in collecting data through cooperative agreement with the Survey are:

Louisiana Department of Public Works, Roy Aguiard,
director.

Louisiana Department of Highways, W. T. Taylor,
director.

Sabine River Compact Administration, composed of W. H.
Robinson, Federal representative and chairman; R. J.
Palmer and Hu B. Myers for Louisiana; George Smith
and J. M. Syler for Texas.

Assistance in the form of funds or services was provided by the Corps of Engineers, U.S. Army, and Environmental Protection Agency, in collection of records for 38 gaging stations and 26 water-quality stations published in this report.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also table for converting English units to International System of units (SI) on page 23.

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

Biochemical oxygen demand (BOD) is the amount of oxygen required by bacteria while stabilizing decomposable organic matter under aerobic conditions.

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, or about 646,000 gallons or 2,445 cubic metres. It represents a runoff of approximately 0.0372 inch from 1 square mile or 0.3468 millimetre from 1 square kilometre.

Chemical oxygen demand (COD) indicates the quantity of oxidizable compounds in water and varies with water composition(s), temperature, period of contact, and other factors.

Coliform organisms are a group of bacteria used as an indicator of the sanitary quality of the water. In this report the number of coliform colonies per 100 milliliters was determined by the immediate incubation membrane filter method.

Contents is the volume of water in a reservoir, lake, or stream. Contents herein is that of a reservoir or lake and unless otherwise indicated, 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 on area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (CFS,cfs) 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 metres per second.

Discharge is the volume of water (or more broadly, total fluids), that passes a given point within a given period of time.

Mean discharge is the arithmetic average of individual daily mean discharges during a specified period.

Instantaneous discharge is the discharge at a given time.

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

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.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeable with the 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. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is computed. A gage used with a base gage to determine fall is called an "auxiliary" gage.

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).

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

Milligrams per litre (MG/L, mg/l) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per litre represents the weight of solute per unit volume of water. Milligrams or micrograms per litre may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per litre by multiplying by the factors in table 1, page 5. Concentration of suspended sediment also is expressed in mg/l, and is based on the weight of sediment per litre of water-sediment mixture. Sediment concentrations that are expressed in parts per million are considered equivalent to milligrams per litre for concentration ranges to be expected in Louisiana.

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

Table 1.--Factors for conversion of chemical constituents in milligrams or micrograms per litre to milliequivalents per litre

<u>Ion</u>	<u>Multi- ply by</u>	<u>Ion</u>	<u>Multi- ply by</u>
Aluminum (Al^{+3})*...	0.11119	Lead (Pb^{+2})*.....	0.00965
Ammonia as NH_4^{+1} ...	.05544	Magnesium (Mg^{+2})...	.08226
Bicarbonate (HCO_3^{-1})	.01639	Manganese (Mn^{+2})*..	.03640
Calcium (Ca^{+2}).....	.04990	Nickel (Ni^{+2})*.....	.03406
Carbonate (CO_3^{-2})..	.03333	Nitrate (NO_3^{-1})....	.01613
Chloride (Cl^{-1}).....	.02821	Nitrite (NO_2^{-1})....	.02174
Chromium (Cr^{+6})*...	.11539	Phosphate (PO_4^{-3})..	.03159
Cobalt (Co^{+2})*.....	.03394	Potassium (K^{+1})....	.02557
Copper (Cu^{+2})*.....	.03148	Sodium (Na^{+1}).....	.04350
Cyanide (CN^{-1}).....	.03844	Sulfate (SO_4^{-2})....	.02082
Fluoride (F^{-1}).....	.05264	Zinc (Zn^{+2})*.....	.03060
Iron (Fe^{+3})*.....	.05372		

*Constituent reported in micrograms per litre; multiply by factor and divide results by 1,000.

Plankton is the floating (or weakly swimming) animal or plant life in a body of water consisting chiefly of minute plants (as diatoms and blue-green algae) and of minute animals (as protozoan, entomostracans, and various larvae).

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

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

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 discharge 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 by volume, that is discharged in a given time. It is computed by multiplying discharge times mg/l times 0.0027.

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 litre of water-sediment mixture (mg/l).

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

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 centimetre 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 litre) is about 65 percent of the specific conductance (in micromhos per cm at 25°C). This relation is not constant from stream to stream or from well to well, 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 and the volume of water per unit of time, flowing in a channel.

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.

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

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

WRD is used as an abbreviation for "Water-Resources Data" in the summary REVISIONS paragraph to refer to previously published State annual basic-data reports.

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

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely to 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. See Big Creek at Pollock, pages 118 and 119.

International Hydrological Decade (IHD) River Stations provide a general index of runoff and materials in the water balance (discharge of water, and dissolved and transported solids) of the world. In the United States, IHD Stations provide indices of runoff and of the general distribution of water in the principal river basins of the conterminous United States and Alaska.

National stream-quality accounting network is an accounting network designed by the U.S. Geological Survey to meet many of the information demands of agencies or groups involved in national or regional water-quality planning and management. Both accounting and broad-scale monitoring objectives have been incorporated in the network design. Areal configuration of the network is based on river-basin accounting in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in stream quality.

Pesticide network 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.

Pesticides are chemical compounds used to control the growth of undesirable plants and animals. Major categories of pesticides includes insecticides, miticides, fungicides, herbicides, and rodenticides. Since the first application of DDT as an insecticide in the early 1930's,

there have been almost 60,000 pesticide formulations registered, each containing at least one of the approximately 800 different basic pesticide compounds. The United States annually produces about 1 billion pounds of these compounds. Although efforts are being made to replace many of the chlorinated hydrocarbon pesticides with more specific, fastacting, and easily degradable compounds, chlorinated hydrocarbon pesticides are still commonly used in many areas of the country.

Radiochemical program is a network of regularly sampled water quality stations where additional samples are collected monthly or 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.

Radioisotopes are isotopic forms of an element that exhibit radioactivity. Isotopes are varieties of a chemical element that differ in atomic weight, but are very nearly alike in chemical properties. The difference arises because the atoms of the isotopic forms of an element differ in the number of neutrons in the nucleus. For example: Ordinary chlorine is a mixture of isotopes having atomic weights 35 and 37, with the natural mixture having atomic weight about 35.453. Many of the elements similarly exist as mixtures of isotopes, and a great many new isotopes have been produced in the operation of nuclear devices such as the cyclotron (Rose, 1966). There are 275 isotopes of the 81 stable elements in addition to over 800 radioactive isotopes.

Radioisotopes that are determined in this program are natural uranium in ug/l (micrograms per litre), radium as radium - 226 in PC/L, (pCi/l, picocuries per litre), gross beta radiation as equivalent strontium/yttrium-90 or cesium-137 in PC/L, and gross alpha radiation as micrograms of uranium equivalent per litre (ug/l). Gross alpha and beta radioactivity associated with the fine grained (silt and clay sized) sediments in the samples are also determined.

A 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).

DOWNSTREAM ORDER AND STATION NUMBER

Stations are listed in a downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream.

Stations on tributaries entering above all mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner. In the lists of gaging stations and water-quality stations in the front of this report the rank of tributaries is indicated by indention, each indention representing one rank.

As an added means of identification, each gaging station, partial-record station, and water-quality 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 gaging stations; therefore, the station number for a partial-record station indicates downstream order position in a list made up of both types of stations. Water-quality stations located at or near gaging stations or partial-record stations have the same number as the gaging or partial-record station. Gaps are left in the 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 02489500, which appears just to the left of the station name includes the part number "02" plus the 6-digit downstream order number "489500." In this report the records are listed in downstream order by parts. The part number refers to an area whose boundaries coincide with certain natural drainage lines. Records in this report are in Part 2 (South Atlantic Slope and Eastern Gulf of Mexico basin), Part 7 (Lower Mississippi River basin) and Part 8 (Western Gulf of Mexico basin). All records for a drainage basin encompassing more than one State can be arranged in downstream order by assembling pages from the various State reports by station number to include all records in the basin.

EXPLANATION OF SURFACE WATER 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 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 15-, 30- or 60-minute intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey on the basis of experience in stream gaging since 1888. 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. Surface areas of lakes or reservoirs are determined from instrument surveys using standard methods. The configuration of the reservoir bottom is determined by sounding at many points.

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), velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean discharge 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.

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, adjoining good record, discharge measurements, weather records, and comparison with other station records from 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 one gaging station on a reservoir, a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations and for some reservoir 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 stations gives the location, drainage area, period of record, type and history of gages, average discharge, extremes of discharge or contents, general remarks, and notations of revisions of previously published records. The location of the gaging station and the drainage area are obtained from the 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 (U.S. Water Resources Council, 1968). 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." The type of gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "Sea Level Datum of 1929" as used by the Topographic Division of the Geological Survey unless otherwise qualified. 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. For stations where changes in water development during the period of record "AVERAGE DISCHARGE" is given for both, before and after development. The maximum discharge (or contents) and the maximum gage height, the minimum discharge if there is little or no regulation (or minimum contents) and the minimum gage height if it is significant are given under "EXTREMES." The minimum daily discharge is given if there is extensive regulation (also the minimum discharge and gage height if they are abnormally low). In the first paragraph headed "Current year," the data given are for the complete current water year unless otherwise specified. In the second paragraph under "EXTREMES" headed "Period of record:" the data given are

for the period of record given in "PERIOD OF RECORD" paragraph. Reliable information concerning major floods that occurred outside the period of record is given in the third or last paragraph under "EXTREMES." Unless otherwise qualified, the maximum discharge (or contents) corresponds 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 at the same time as the maximum discharge (or contents), it is given separately. Information pertaining to the accuracy of the discharge records, to conditions that affect the natural flow at the gaging station, and availability of Water Quality records, 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 also given under "REMARKS."

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, each followed by the water years for which figures are revised in that report. In listing the water years 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.

Skeleton capacity tables are published for all reservoirs for which records of contents are published on a daily basis.

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 following "MAX" are the maximum daily discharges for the calendar and water years; likewise, those following "MIN" are the minimum daily discharges.

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.

Peak discharges and their time of occurrence and corresponding gage heights for many stations are listed below the yearly summary. All independent peaks above the selected base are given. The base discharge, which is given in parenthesis, is selected so that an average of about three peaks a year can be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subjected 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.

For most gaging stations on lakes and reservoirs the data presented comprise a description of the station and a monthly summary table of stage and contents. For some reservoirs a table showing daily contents or stage is given. A skeleton table of capacity at given stages is published for some reservoirs for which records are published on a daily basis, but is not published for reservoirs for which only monthly data are given.

Data collected at partial-record stations and miscellaneous sites are given in three tables at the end of the surface-water records in this report. The first is a table of annual maximum stage and discharge

at crest-stage stations, the second is a table of discharge measurements at miscellaneous sites, and the third is a table of peak elevations at flood-profile partial-record stations.

Accuracy of data

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 are within 5 percent of true value: "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 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. 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 some station, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumption, or regulation by storage. For such stations, figures of cubic feet per second per square mile and of runoff in inches are not published unless satisfactory adjustments can be made for diversions, for changes in contents of reservoirs, or for other changes incident to use and control.

Publications

In each water-supply paper entitled, "Surface Water Supply of the United States" there is a list of numbers of preceding water-supply papers containing streamflow information for the area covered by that report. In addition, there is a list of numbers of water-supply papers containing detailed information on major floods in the area. Records for stations in Louisiana for the period October 1960 to September 1965 are in Water-Supply Papers 1906, 1920, and 1922, and for the period October 1965 to September 1970 are in Water-Supply Papers 2106, 2120, and 2122 (in press).

Two series of summary reports entitled, "Compilation of Records of Surface Waters of the United States" have been published; the first series covers the entire period of record through September 1950 and the second series covers the period October 1950 to September 1960. These reports contain summaries of monthly and annual discharge and monthend storage for all previously published records, as well as some records not contained in the annual series of water-supply papers. All records were reexamined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical. The yearly summary table for each gaging station lists the numbers of the water-supply papers in which daily records were published for that station. Records for stations in Louisiana are compiled in Water-Supply Papers 1304, 1311, and 1312 through September 1950, and in 1724, 1731, and 1732 for October 1950 to September 1960.

Special reports on major floods or droughts or of other hydrologic studies for the area have been issued in publications other than water-supply papers. Information relative to these reports may be obtained from the district office.

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.

EXPLANATION OF WATER QUALITY RECORDS

Collection and examination of data

Water samples for analyses usually are collected at or near gaging stations. The discharge records at these stations are used in conjunction with the computations of the chemical constituents and sediment loads in this report.

Water-quality information is presented for chemical, biological, and microbiological quality, water temperature, and fluvial sediment. Chemical quality includes concentrations of individual dissolved constituents and certain properties or characteristics such as hardness, specific conductance, and pH. The biological information includes qualitative analyses of plankton, bottom organisms, and particulate inorganic and amorphous matter present. Microbiological information includes quantitative identification of certain bacteriological indicator organisms.

Water temperature was measured at the time of collection of most samples. At some sites a continuous temperature recorder (thermograph) furnished information from which daily minimums and maximums were obtained; at one site once-daily temperatures were obtained. Fluvial-sediment information is given for suspended-sediment discharges and concentrations and for particle-size distribution of suspended sediment and bed material.

Prior to the 1968 water year, data for chemical constituents and concentration of suspended sediment were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit (°F). In October 1967 the Geological Survey began reporting data for chemical constituents and concentrations of suspended sediment in milligrams per litre (mg/l) and water temperatures in degrees Celsius. In waters with a density of 1.000 g/ml (grams per millilitre), parts per million and milligrams per litre are equivalent. Temperatures reported in degrees Celsius may be converted to degrees Fahrenheit by using table 2, p. 18.

In October 1968, the Geological Survey began reporting many of the chemical constituents as well as the minor elements in micrograms per litre instead of milligrams per litre. (See "Definition of Terms," p. 2 and table for converting English Units to SI Units, p. 23).

Solutes

Most methods for collecting and analyzing water samples to determine the kinds and concentrations of solutes are described in U.S. Geological Survey Techniques of Water Resources Investigations, book 5, chapter A1. Analytical methods for pesticides, herbicides, and organic substances in water are described in the Survey's Techniques of Water Resources Investigations, book 5, chapter A3 and in Water Supply Paper 1817. The collection and analysis of aquatic, biological, and microbiological samples are described in the Survey's Techniques of Water Resources Investigations, book 5, chapter A4.

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 the reported pH value and the relative abundance of carbon dioxide species (carbonate and bicarbonate), the inconsistency is probably 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 published 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 U.S. Geological Survey district office at the address given on the back of the title page of this report.

Temperature

Water temperatures are measured at most of the water-quality stations. In addition, water temperatures are taken at time of discharge measurements for surface-water stations. At one site at which daily samples are taken the water temperature is taken about the same time each day. Large streams have a small diurnal temperature change while small, 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 continuously recording thermographs are present, the records published consist of maximum and minimum temperatures for each day and the monthly averages.

Table 2.--Degrees Celsius (°C) to degrees Fahrenheit (°F)*
(Temperature reported to nearest 0.5°C)

°C	°F	°C	°F	°C	°F	°C	°F	°C	°F
0.0	32	10.0	50	20.0	68	30.0	86	40.0	104
.5	33	10.5	51	20.5	69	30.5	87	40.5	105
1.0	34	11.0	52	21.0	70	31.0	88	41.0	106
1.5	35	11.5	53	21.5	71	31.5	89	41.5	107
2.0	36	12.0	54	22.0	72	32.0	90	42.0	108
2.5	36	12.5	54	22.5	72	32.5	90	42.5	108
3.0	37	13.0	55	23.0	73	33.0	91	43.0	109
3.5	38	13.5	56	23.5	74	33.5	92	43.5	110
4.0	39	14.0	57	24.0	75	34.0	93	44.0	111
4.5	40	14.5	58	24.5	76	34.5	94	44.5	112
5.0	41	15.0	59	25.0	77	35.0	95	45.0	113
5.5	42	15.5	60	25.5	78	35.5	96	45.5	114
6.0	43	16.0	61	26.0	79	36.0	97	46.0	115
6.5	44	16.5	62	26.5	80	36.5	98	46.5	116
7.0	45	17.0	63	27.0	81	37.0	99	47.0	117
7.5	45	17.5	63	27.5	81	37.5	99	47.5	117
8.0	46	18.0	64	28.0	82	38.0	100	48.0	118
8.5	47	18.5	65	28.5	83	38.5	101	48.5	119
9.0	48	19.0	66	29.0	84	39.0	102	49.0	120
9.5	49	19.5	67	29.5	85	39.5	103	49.5	121

*C = $5/9 (°F - 32)$ or $°F = 9/5 (°C) + 32$.

Sediment

At one station suspended-sediment samples are collected daily with a depth-intergrating cable-suspended sampler from a fixed sampling point. Depth-integrated samples are collected periodically at many verticals in the cross section to determine the ratio of the cross-sectional distribution of the concentration of suspended sediment to the daily sampling vertical.

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 time mean concentration times 0.0027, the reader can assume that the sediment discharge for that day

was computed by the sub-divided day method. For periods when no samples are collected, daily loads of suspended sediment are 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 are collected periodically at many verticals in the stream cross section. Although data collected periodically may represent conditions only at the time of observation, 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 periodic measurements of the particle-size distribution of the suspended sediment and bed material are included.

Publications

The annual series of water-supply papers that give information on quality of surface waters in Louisiana are listed below. Data for the South Atlantic slope and Eastern Gulf of Mexico basins are given in Part 2, for the Lower Mississippi River basin in Part 7, and for the Western Gulf of Mexico basins in Part 8.

Year	Part number		Year	Part number	
	<u>2</u>	<u>7-8</u>		<u>2</u>	<u>7-8</u>
1941	942	942	1955	1400	1402
1942	950	950	1956	1450	1452
1943	970	970	1957	1520	1522
1944	1022	1022	1958	1571	1573
1945	1030	1030	1959	1641	1644
1946	1050	1050	1960	1741	1744
1947	1102	1102	1961	1881	1884
1948	1132	1133	1962	1941	1944
1949	1162	1163	1963	1947	1950
1950	1186	1188	1964	1954	1957
1951	1197	1199	1965	1961	1964
1952	1250	1252	1966	1991	1994
1953	1290	1292	1967	2011	2014
1954	1350	1352			

Year	Part number		
	<u>2</u>	<u>7</u>	<u>8</u>
1968	2092	2096	*2097
1969	*2142	*2146	*2147
1970	*2152	*2156	*2157

* In press.

SELECTED REFERENCES

- American Public Health Association, and others, 1971, Standard methods for the examination of water and wastewater, 13th ed.: Am. Public Health Assoc., New York, 874 p.
- Barker, F. B., and Johnson, J. O., 1964, Determination of radium in water: U.S. Geol. Survey Water-Supply Paper 1696-B, 29 p.
- Barker, F. B., and others, 1965, Determination of uranium in natural water: U.S. Geol. Survey Water-Supply Paper 1696-C, 25 p.
- Barker, F. B., and Robinson, B. P., 1963, Determination of beta activity in water: U.S. Geol. Survey Water-Supply Paper 1696-A, 32 p.
- Brown, Eugene, Skougstad, M. W., and Fishman, M. J., 1970, Methods for collection and analysis of water samples for dissolved minerals and gases: U.S. Geol. Survey Techniques of Water-Resources Inv., book 5, chap. A1, 160 p.
- Carter, R. W., and Davidian, Jacob, 1968, General procedures for gaging streams: U.S. Geol. Survey Techniques of Water-Resources Inv., book 3, chap. A6, 13 p.
- Colby, B. R., 1963, Fluvial sediments--a summary of source, transportation, deposition, and measurement of sediment discharge: U.S. Geol. Survey Bull. 1181-A, 47 p.
- Colby, B. R., and Hubbell, D. W., 1961, Simplified methods for computing total sediment discharge with the modified Einstein procedure: U.S. Geol. Survey Water-Supply Paper 1593, 17 p.
- Corbett, D. M., and others, 1943, reprinted 1957, Stream-gaging procedures a manual describing methods and practices of the Geological Survey: U.S. Geol. Survey Water-Supply Paper 888, 245 p.
- Goerlitz, D. F., and Brown, Eugene, 1972, Methods for analysis of organic substances in water: U.S. Geol. Survey Techniques of Water-Resources Inv., book 5, chap. A3, 40 p.
- Goerlitz, D. F., Lamar, W. L., 1967, Determination of phenoxy acid herbicides in water by electron-capture and microcoulometric gas chromatography: U.S. Geol. Survey Water-Supply Paper 1817-C, 21 p.
- Guy, H. P., 1969, Laboratory theory and methods for sediment analysis: U.S. Geol. Survey Techniques of Water-Resources Inv., book 5, chap. C1, 57 p.

- Guy, H. P., 1970, Fluvial sediment concepts: U.S. Geol. Survey Techniques of Water-Resources Inv., book 3, chap. C1, 55 p.
- Guy, H. P., and Norman, V. W., 1970, Field methods for measurement of fluvial sediment: U.S. Geol. Survey Techniques of Water-Resources Inv., book 3, chap. C2, 59 p.
- Hem, J. D., 1971, Study and interpretation of the chemical characteristics of natural water - 2d ed.: U.S. Geol. Survey Water-Supply Paper 1473, 363 p.
- Lamar, W. L., Goerlitz, D. F., and Law, L. M., 1965, Identification and measurement of chlorinated organic pesticides in water by electron-capture gas chromatography: U.S. Geol. Survey Water-Supply Paper 1817-B, 12 p.
- Langbein, W. B., and Iseri, K. T., 1960, General introduction and hydrologic definitions: U.S. Geol. Survey Water-Supply Paper 1541-A, 29 p.
- Page, C. H., and Vigoureaux, Paul, eds., 1972, The International System of Units (SI): U.S. Natl. Bur. Standards Spec. Pub. 330, p. 13, 15.
- Porterfield, George, 1972, Computations of fluvial sediment discharges: U.S. Geol. Survey Techniques of Water Resources Inv., book 3, chap. C3, 66 p.
- Ritter, J. R., and Helley, E. J., 1969, Optical methods for determining particle sizes of coarse sediment: U.S. Geol. Survey Techniques of Water-Resources Inv., book 5, chap. C3, 33 p. (open file).
- Slack, K. V., and others, 1973, Methods for collection and analysis of aquatic, biological and microbiological samples: U.S. Geol. Survey Techniques of Water Resources Inv., book 5, chap. A4, 165 p.
- U.S. Inter-Agency Committee on Water Resources, Subcommittee on Sedimentation, A study of methods used in measurement and analysis of sediment loads in streams. Published by the St. Anthony Falls Hydraulic Laboratory, Minneapolis, Minn.
- _____ 1941, Methods of analyzing sediment samples: Rept. 4.
- _____ 1953, Accuracy of sediment size analyses made by the bottom-withdrawal-tube method: Rept. 10.
- _____ 1957, Some fundamentals of particle size analysis: Rept. 12.

U.S. Inter-Agency Committee on Water Resources, Subcommittee on Sedimentation, A study of methods used in measurement and analysis of sediment loads in streams. Published by the St. Anthony Falls Hydraulic Laboratory, Minneapolis, Minn.

_____ 1959, Federal Inter-agency sedimentation instruments and reports:
Rept. AA.

_____ 1961, The single stage sampler for suspended sediment: Rept. 13.

_____ 1963, Determinations of fluvial sediment discharge: Rept. 14.

U.S. Water Resources Council, 1968, River mileage measurements:
Washington, D.C., Hydrology Comm. Bull. 14, 17 p.

Table .--Factors for converting English units to
International System units (SI)

The following factors may be used to convert the English units published herein to the International System of Units (SI). Subsequent reports will contain both the English and SI unit equivalents in the station manuscript descriptions until such time that all data will be published in SI units.

Multiply English units	By	To obtain SI units
<i>Length</i>		
inches (in)	25.4	millimetres (mm)
	.0254	metres (m)
feet (ft)	.3048	metres (m)
yards (yd)	.9144	metres (m)
rods	5.0292	metres (m)
miles (mi)	1.609	kilometres (km)
<i>Area</i>		
acres	4047	square metres (m ²)
	.4047	*hectares (ha)
	.4047	square hectometres (hm ²)
	.004047	square kilometres (km ²)
square miles (mi ²)	2.590	square kilometres (km ²)
<i>Volume</i>		
gallons (gal)	3.785	**litres (l)
	3.785	cubic decimetres (dm ³)
	3.785x10 ⁻³	cubic metres (m ³)
million gallons (10 ⁶ gal)	3785	cubic metres (m ³)
	3.785x10 ⁻³	cubic hectometres (hm ³)
cubic feet (ft ³)	28.32	cubic decimetres (dm ³)
	.02832	cubic metres (m ³)
cfs-days [(ft ³ /s) · d]	2447	cubic metres (m ³)
	2.447x10 ⁻³	cubic hectometres (hm ³)
acre-feet (acre-ft)	1233	cubic metres (m ³)
	1.233x10 ⁻³	cubic hectometres (hm ³)
	1.233x10 ⁻⁶	cubic kilometres (km ³)
<i>Flow</i>		
cubic feet per second (ft ³ /s)	28.32	litres per second (l/s)
	28.32	cubic decimetres per second (dm ³ /s)
	.02832	cubic metres per second (m ³ /s)
gallons per minute (gpm)	.06309	litres per second (l/s)
	.06309	cubic decimetres per second (dm ³ /s)
	6.309x10 ⁻⁵	cubic metres per second (m ³ /s)
million gallons per day (mgd)	43.81	cubic decimetres per second (dm ³ /s)
	.04381	cubic metres per second (m ³ /s)
<i>Mass</i>		
tons (short)	.9072	tonnes (t)

*The unit hectare is approved for use with the International System (SI) for a limited time. See NBS Special Bulletin 330, p.15, 1972 edition.

**The unit liter is accepted for use with the International System (SI). See NBS Special Bulletin 330, p. 13, 1972 edition.



Figure 1.- Map showing location of continuous gaging stations in Louisiana.

PART 1. SURFACE WATER RECORDS

SURFACE-WATER RECORDS

PEARL RIVER BASIN

02489500 Pearl River near Bogalusa, La.

LOCATION.--Lat 30°47'35", long 89°49'15", on line between secs. 17 and 18, T.3 S., R.14 E., Washington Parish, near right bank on downstream side of bridge on State Highway 10, 2.0 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) above mean sea level (levels by Corps of Engineers). Prior to July 29, 1954, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--36 years, 9,067 ft³/s (256.8 m³/s), 18.57 in/yr (471.7 mm/yr).

EXTREMES.--Current year: Maximum discharge, 99,000 ft³/s (2,804 m³/s) Apr. 17 (gage height, 22.13 ft (6.745 m); minimum, 2,130 ft³/s (60.3 mm/yr) Oct. 31 (gage height, 7.08 ft (2.158 m)).

Period of record: Maximum discharge, 99,000 ft³/s (2,804 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.

Flood of Apr. 11, 1938, reached a stage of 21.0 ft (6.40 m).

REMARKS.--Records good. See following page for table of daily gage height. Records of chemical analyses, water temperatures, and suspended-sediment loads for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3,220	2,250	16,100	43,300	58,000	42,100	17,500	40,800	6,570	4,640	3,510	3,180
2	3,420	2,300	16,900	42,700	60,600	41,900	16,800	37,300	8,070	4,460	3,780	3,800
3	3,520	2,260	16,400	43,100	62,300	41,200	17,600	29,000	9,230	4,190	3,710	6,000
4	3,640	2,250	15,500	44,000	60,600	39,800	19,200	18,500	9,790	4,060	3,130	8,280
5	3,270	3,370	15,100	44,400	57,700	38,000	21,300	14,400	9,880	4,080	3,000	7,850
6	2,990	5,480	15,300	44,600	55,400	35,000	22,900	12,200	9,180	4,380	3,020	6,130
7	2,890	5,370	15,300	45,200	55,400	30,100	22,200	10,400	8,660	4,920	2,880	5,850
8	2,880	5,920	15,200	45,700	56,100	21,300	20,400	9,410	8,060	4,460	3,620	8,140
9	2,940	5,200	14,900	45,900	54,700	15,000	18,700	8,400	8,220	3,800	3,770	11,000
10	3,000	4,420	13,800	46,500	52,200	11,000	17,500	7,930	9,590	3,540	3,090	11,000
11	2,860	4,600	12,600	47,000	50,300	9,260	16,600	8,300	10,100	3,340	2,770	9,500
12	2,700	5,310	11,800	47,600	48,500	8,930	15,800	11,700	10,800	3,300	2,680	8,480
13	2,570	5,150	11,100	48,100	47,000	9,540	19,800	12,200	11,200	3,370	2,630	7,220
14	2,430	4,830	10,600	48,300	45,000	11,100	33,700	10,300	11,000	3,330	2,620	6,040
15	2,330	4,590	9,590	47,000	42,900	13,600	44,400	9,590	10,800	3,180	2,590	5,440
16	2,310	4,330	7,970	45,900	40,200	13,400	66,600	8,480	10,300	3,160	2,620	4,950
17	2,460	3,860	6,490	45,200	35,400	11,100	94,900	7,120	9,740	3,100	2,730	4,470
18	2,550	3,360	5,540	44,600	31,300	9,330	93,900	6,350	9,060	2,990	3,200	3,970
19	2,540	2,980	5,180	44,600	31,200	8,450	80,700	6,150	8,070	2,870	4,000	3,590
20	2,670	2,730	6,020	46,300	33,000	8,010	69,500	6,150	7,360	2,810	4,370	3,370
21	2,830	2,720	8,360	47,900	35,400	8,080	61,800	5,740	6,290	2,860	4,630	3,170
22	2,780	3,340	10,500	50,300	37,300	8,520	57,000	5,830	5,320	3,000	4,270	3,040
23	2,710	5,370	12,000	52,400	38,200	8,520	53,300	8,880	4,610	2,990	3,460	2,900
24	2,660	9,060	12,000	54,500	39,200	8,130	51,000	11,600	4,450	3,010	2,990	2,780
25	2,630	9,170	14,000	56,300	39,600	8,510	49,600	9,310	4,350	3,230	2,800	2,670
26	2,590	8,030	39,400	56,500	40,400	9,520	48,700	7,370	4,050	3,160	2,730	2,650
27	2,510	7,750	50,600	55,800	41,200	18,900	48,100	6,530	3,790	3,130	2,770	2,670
28	2,340	8,280	49,400	57,300	41,600	30,900	47,200	5,830	3,630	3,260	2,730	2,800
29	2,220	10,100	48,100	58,700	-----	29,500	45,900	5,380	3,920	3,460	2,680	3,640
30	2,150	13,500	45,000	58,700	-----	24,100	44,000	5,200	4,450	3,640	2,640	4,030
31	2,160	-----	43,500	57,500	-----	19,800	-----	5,190	-----	3,450	2,840	-----
TOTAL	84,770	157,880	574,250	1,515,9M	1,290,7M	592,600	1,236,6M	351,540	230,540	109,170	98,260	158,610
MEAN	2,735	5,263	18,520	48,900	46,100	19,120	41,220	11,340	7,685	3,522	3,170	5,287
MAX	3,640	13,500	50,600	58,700	62,300	42,100	94,900	40,800	11,200	4,920	4,630	11,000
MIN	2,150	2,250	5,180	42,700	31,200	8,010	15,800	5,190	3,630	2,810	2,590	2,650
CFSM	.32	.61	2.16	5.69	5.37	2.23	4.80	1.32	.89	.41	.37	.62
IN.	.37	.68	2.49	6.56	5.59	2.57	5.36	1.52	1.00	.47	.43	.69
CAL YR 1973	TOTAL 5,726,370	MEAN 15,690	MAX 57,300	MIN 2,150	CFSM 1.83	IN 24.80						
WTR YR 1974	TOTAL 6,400,820	MEAN 17,540	MAX 94,900	MIN 2,150	CFSM 2.04	IN 27.72						

PEARL RIVER BASIN

31

02489500 Pearl River near Bogalusa, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.61	7.33	17.25	19.82	20.47	19.76	17.64	19.70	12.44	10.79	9.54	9.09
2	8.85	7.44	17.48	19.79	20.58	19.75	17.47	19.52	13.55	10.61	9.87	9.90
3	9.12	7.35	17.34	19.81	20.65	19.72	17.68	19.04	14.32	10.33	9.79	11.98
4	9.42	7.33	17.06	19.85	20.58	19.65	18.06	17.91	14.65	10.19	9.02	13.70
5	9.02	9.36	16.92	19.87	20.46	19.56	18.38	16.71	14.70	10.21	8.80	13.39
6	8.65	11.55	16.99	19.88	20.36	19.40	18.55	15.85	14.29	10.53	8.83	12.09
7	8.50	11.45	17.00	19.91	20.36	19.11	18.48	14.97	13.95	11.05	8.59	11.86
8	8.48	11.92	16.98	19.93	20.39	18.37	18.25	14.43	13.54	10.61	9.68	13.60
9	8.57	11.31	16.87	19.94	20.33	16.90	17.96	13.78	13.66	9.90	9.86	15.31
10	8.66	10.57	16.50	19.97	20.22	15.29	17.65	13.45	14.54	9.57	8.95	15.28
11	8.46	10.75	16.02	19.99	20.14	14.34	17.40	13.71	14.81	9.32	8.38	14.49
12	8.18	11.41	15.65	20.02	20.06	14.13	17.18	15.62	15.21	9.26	8.20	13.83
13	7.95	11.26	15.34	20.04	19.99	14.51	18.16	15.86	15.39	9.36	8.09	12.94
14	7.70	10.97	15.07	20.05	19.90	15.34	19.33	14.94	15.31	9.30	8.07	12.02
15	7.50	10.74	14.54	19.99	19.80	16.40	19.87	14.54	15.21	9.09	8.01	11.52
16	7.45	10.48	13.48	19.94	19.67	16.33	20.83	13.83	14.93	9.05	8.07	11.08
17	7.75	9.97	12.38	19.91	19.42	15.34	21.97	12.86	14.62	8.96	8.30	10.62
18	7.93	9.34	11.60	19.88	19.19	14.38	21.93	12.27	14.21	8.79	9.12	10.09
19	7.91	8.76	11.29	19.88	19.18	13.81	21.40	12.11	13.55	8.58	10.12	9.64
20	8.17	8.29	12.00	19.96	19.29	13.51	20.95	12.11	13.04	8.46	10.52	9.35
21	8.49	8.27	13.75	20.03	19.42	13.56	20.63	11.77	12.22	8.55	10.78	9.07
22	8.40	9.32	15.05	20.14	19.52	13.86	20.43	11.84	11.42	8.80	10.42	8.87
23	8.26	11.46	15.77	20.23	19.57	13.86	20.27	14.10	10.76	8.79	9.48	8.64
24	8.16	14.21	15.76	20.32	19.62	13.59	20.17	15.60	10.60	8.82	8.78	8.40
25	8.09	14.28	16.57	20.40	19.64	13.85	20.11	14.37	10.50	9.15	8.43	8.18
26	8.02	13.52	19.63	20.41	19.68	14.50	20.07	13.05	10.18	9.05	8.30	8.14
27	7.85	13.32	20.15	20.38	19.72	18.00	20.04	12.41	9.89	9.02	8.37	8.17
28	7.52	13.70	20.10	20.44	19.74	19.16	20.00	11.84	9.69	9.20	8.29	8.43
29	7.27	14.83	20.04	20.50	-----	19.07	19.94	11.47	10.03	9.47	8.19	9.70
30	7.13	16.37	19.90	20.50	-----	18.66	19.85	11.31	10.60	9.70	8.12	10.16
31	7.16	-----	19.83	20.45	-----	18.16	-----	11.30	-----	9.46	8.52	-----
MAX	9.42	16.37	20.15	20.50	20.65	19.76	21.97	19.70	15.39	11.05	10.78	15.31
MIN	7.13	7.33	11.29	19.79	19.18	13.51	17.18	11.30	9.69	8.46	8.01	8.14

02490105 Bogue Lusa Creek at State Highway 439, at Bogalusa, La.

LOCATION.--Lat 30°46'56", long 89°52'24", in SE¼ sec.15, T.3 S., R.13 E., St. Helena meridian, Washington Parish, near center of span on downstream side of bridge on State Highway 439, in Bogalusa, 0.3 mi (0.5 km) upstream from Ice Water Branch, 0.9 mi (1.5 km) downstream from Adams Creek, and 4.0 mi (6.4 km) upstream from mouth.

DRAINAGE AREA.--72.7 mi² (188.3 km²).

PERIOD OF RECORD.--October 1963 to current year.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 76.60 ft (23.348 m) above mean sea level.

AVERAGE DISCHARGE.--11 years, 106 ft³/s (3.002 m³/s), 19.80 in/yr (503 mm/yr).

EXTREMES.--Current year: Maximum discharge, 6,980 ft³/s (198 m³/s) Dec. 26, gage height, 11.81 ft (3.600 m); minimum, 44 ft³/s (1.24 m³/s) Oct. 27-30, 51, gage height, 3.80 ft (1.158 m).

Period of record: Maximum discharge, 7,100 ft³/s (201 m³/s) Apr. 18, 1973, gage height, 11.86 ft (3.615 m); minimum, 5.0 ft³/s (0.14 m³/s) Oct. 27, 28, 1967, gage height, 3.54 ft (1.079 m), affected by temporary regulation.

Flood of Nov. 14, 1961, reached a stage of about 13 ft (4.0 m), from information by local resident.

REVISIONS.--The figures of maximum discharge for some water years have been revised, as shown in the following table. They supersede figures published in the water-supply papers and water resources data for Louisiana indicated.

WSP	WRD LA.	WATER YEAR	DATE	DISCHARGE		GAGE HEIGHT	
				(FT ³ /S)	(M ³ /S)	(FT)	(M)
1906	1964	1964	Apr. 27, 1964	2,010	56.9	7.47	2.777
1906	1965	1965	Jan. 23, 1965	1,300	36.8	6.05	1.844
2106	1966	1966	FEB. 12, 1966	3,210	90.9	9.13	2.783
2106	1967	1967	Apr. 14, 1967	2,120	60.0	7.65	2.332
2106	1969	1969	Apr. 13, 1969	1,480	41.9	6.37	1.942
--	1971	1971	Sept. 17, 1971	1,650	46.7	6.72	2.048
--	1972	1972	May 12, 1972	3,520	99.7	9.50	2.896
--	1973	1973	Apr. 18, 1973	7,100	201	11.86	3.615

REVISED PEAK DISCHARGE (BASE, 1,500 CFS)

1964: Mar. 2 (1800) 1,700 ft³/s or 48.1 m³/s (6.85 ft or 2.088 m); Apr. 27 (0300) 2,010 ft³/s or 56.9 m³/s (7.47 ft or 2.277 m).

1967: May 2 (2200) 1,580 ft³/s or 44.7 m³/s (6.58 ft or 2.006 m).

1973: Mar. 25 (2215) 3,070 ft³/s or 86.9 m³/s (8.95 ft or 2.728 m).

REMARKS.--Records good. See following pages for tables of daily discharge and gage height. Records of water temperatures for water year 1974 are published in Part 2 of this report.

PEARL RIVER BASIN

33

02490105 Bogue Lusa Creek at State Highway 439, at Bogalusa, La.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	151	74	79	344	196	122	187	99	125	67	67	66
2	98	66	74	210	334	120	358	108	211	66	62	69
3	98	55	71	183	604	117	380	267	201	66	66	159
4	82	53	92	243	451	113	245	171	143	68	64	127
5	66	802	119	205	261	110	181	415	118	74	116	75
6	59	774	92	166	213	108	149	283	127	187	90	62
7	55	253	76	219	602	106	132	175	113	183	106	93
8	55	140	69	248	565	104	143	125	101	151	100	434
9	71	110	69	192	333	100	167	110	95	89	75	342
10	74	98	66	158	244	101	134	102	91	75	65	208
11	69	84	66	147	206	98	117	804	92	69	60	125
12	59	79	66	175	185	99	113	1,310	92	65	62	95
13	62	74	66	175	171	110	1,100	507	87	64	73	84
14	62	71	66	140	164	101	1,130	232	165	63	72	76
15	59	69	66	126	201	96	874	174	197	62	66	70
16	57	69	66	119	548	96	583	148	119	118	60	68
17	59	66	66	119	315	96	335	132	100	94	103	65
18	57	64	62	122	216	90	250	118	89	78	144	61
19	53	62	64	210	198	89	208	148	88	70	94	58
20	48	62	264	452	192	90	179	141	86	66	70	55
21	48	95	214	556	168	154	159	128	80	83	61	54
22	46	126	119	302	164	228	145	661	77	104	56	53
23	46	92	92	214	160	164	153	1,280	79	81	53	51
24	46	74	84	499	144	111	154	522	119	84	51	49
25	46	74	1,270	624	134	106	133	256	113	215	49	50
26	46	129	5,330	530	127	278	120	224	96	153	52	92
27	44	133	2,330	425	122	1,690	112	258	84	89	58	108
28	44	151	589	324	122	1,840	108	201	77	80	84	73
29	44	136	308	389	-----	640	105	161	72	83	80	63
30	44	95	243	356	-----	314	101	140	69	73	74	61
31	48	-----	253	240	-----	230	-----	131	-----	69	77	-----
TOTAL	1,896	4,230	12,491	8,412	7,340	7,821	8,255	9,531	3,306	2,889	2,310	3,046
MEAN	61.2	141	403	271	262	252	275	307	110	93.2	74.5	102
MAX	151	802	5,330	624	604	1,840	1,130	1,310	211	215	144	434
MIN	44	53	62	119	122	89	101	99	69	62	49	49
CFSM	.84	1.94	5.54	3.73	3.60	3.47	3.78	4.22	1.51	1.28	1.02	1.40
IN.	.97	2.16	6.39	4.30	3.76	4.00	4.22	4.88	1.69	1.48	1.18	1.56
CAL YR 1973	TOTAL	71,753	MEAN	197	MAX	5,330	MIN	39	CFSM	2.71	IN	36.72
WTR YR 1974	TOTAL	71,527	MEAN	196	MAX	5,330	MIN	44	CFSM	2.70	IN	36.60

PEAK DISCHARGE (BASE, 1,500 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12-26	1600	11.81	6,980	5-12	0115	6.95	1,750
3-28	0245	8.08	2,400	5-23	0930	6.62	1,600

PEARL RIVER BASIN

02490105 Bogue Lusa Creek at State Highway 439, at Bogalusa, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.18	3.93	3.95	4.57	4.29	4.10	4.27	4.02	4.11	3.90	3.91	3.90
2	4.02	3.90	3.93	4.32	4.54	4.09	4.58	4.05	4.32	3.90	3.88	3.91
3	4.02	3.85	3.92	4.26	4.97	4.08	4.63	4.43	4.30	3.90	3.90	4.18
4	3.96	3.84	3.99	4.39	4.74	4.07	4.39	4.23	4.16	3.91	3.89	4.11
5	3.90	5.23	4.09	4.31	4.42	4.06	4.25	4.67	4.08	3.93	4.07	3.93
6	3.87	5.22	4.00	4.22	4.33	4.05	4.17	4.46	4.11	4.27	3.99	3.88
7	3.85	4.40	3.94	4.33	4.97	4.05	4.13	4.24	4.07	4.26	4.05	3.98
8	3.85	4.15	3.91	4.39	4.91	4.04	4.16	4.11	4.03	4.18	4.03	4.71
9	3.92	4.06	3.91	4.28	4.55	4.03	4.22	4.06	4.01	3.99	3.93	4.56
10	3.93	4.02	3.90	4.20	4.39	4.03	4.13	4.03	3.99	3.93	3.89	4.31
11	3.91	3.97	3.90	4.17	4.31	4.02	4.08	5.25	4.00	3.91	3.87	4.10
12	3.87	3.95	3.90	4.24	4.27	4.02	4.07	6.11	4.00	3.89	3.88	4.01
13	3.88	3.93	3.90	4.24	4.23	4.06	5.72	4.82	3.98	3.89	3.92	3.97
14	3.88	3.92	3.91	4.15	4.21	4.03	5.78	4.37	4.19	3.88	3.92	3.94
15	3.87	3.91	3.90	4.11	4.28	4.01	5.36	4.24	4.29	3.88	3.90	3.92
16	3.86	3.91	3.90	4.09	4.89	4.01	4.94	4.17	4.09	4.02	3.87	3.91
17	3.87	3.90	3.90	4.09	4.52	4.01	4.55	4.13	4.03	4.01	4.04	3.89
18	3.86	3.89	3.88	4.10	4.33	3.99	4.40	4.09	3.99	3.95	4.16	3.88
19	3.84	3.88	3.89	4.32	4.30	3.99	4.32	4.17	3.98	3.91	4.00	3.86
20	3.82	3.88	4.40	4.80	4.28	3.99	4.25	4.15	3.97	3.90	3.91	3.85
21	3.82	4.01	4.32	4.90	4.22	4.18	4.20	4.11	3.95	3.96	3.87	3.85
22	3.81	4.11	4.09	4.50	4.21	4.36	4.16	5.05	3.94	4.04	3.85	3.84
23	3.81	4.00	4.00	4.34	4.20	4.21	4.19	6.03	3.95	3.96	3.84	3.83
24	3.81	3.93	3.97	4.81	4.16	4.06	4.19	4.84	4.09	3.97	3.83	3.82
25	3.81	3.93	5.86	5.00	4.13	4.05	4.13	4.41	4.07	4.33	3.82	3.83
26	3.81	4.12	11.05	4.86	4.11	4.41	4.09	4.35	4.01	4.18	3.84	3.99
27	3.80	4.13	7.77	4.70	4.10	6.84	4.07	4.42	3.97	3.99	3.86	4.05
28	3.80	4.18	4.95	4.54	4.10	7.07	4.05	4.30	3.94	3.95	3.97	3.93
29	3.80	4.14	4.51	4.64	-----	5.02	4.04	4.19	3.92	3.96	3.95	3.89
30	3.80	4.01	4.39	4.59	-----	4.52	4.03	4.15	3.91	3.93	3.93	3.88
31	3.82	-----	4.39	4.38	-----	4.36	-----	4.12	-----	3.91	3.94	-----
MAX	4.18	5.23	11.05	5.00	4.97	7.07	5.78	6.11	4.32	4.33	4.16	4.71
MIN	3.80	3.84	3.88	4.09	4.10	3.99	4.03	4.02	3.91	3.88	3.82	3.82

02490500 Bogue Chitto near Tylertown, Miss.

LOCATION.--Lat 31°11', long 90°17', in SE¼ sec.34, T.3 N., R.9 E., Washington meridian, Pike County, near right bank on downstream side of bridge on U.S. Highway 98, 0.2 mile (0.3 km) upstream from Fernwood, Columbia and Gulf Railroad bridge, 0.2 mile (0.3 km) upstream from Bars Branch, 2.2 miles (3.5 km) downstream from Topisaw Creek, and 9 miles (14 km) northwest of Tylertown.

DRAINAGE AREA.--502 mi² (1,300 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 227.40 ft (69.312 m) above mean sea level.

AVERAGE DISCHARGE.--30 years, 784 ft³/s (22.20 m³/s), 21.21 in/yr (539 mm/yr).

EXTREMES.--Current year: Maximum discharge, 33,600 ft³/s (952 m³/s) Apr. 14; maximum gage height, 30.85 ft (9.403 m) Apr. 14; minimum discharge, 284 ft³/s (8.04 m³/s), Aug. 26; minimum gage height, 6.47 ft (1.972 m), Oct. 30.
 Period of record: Maximum discharge, 45,700 ft³/s (1,290 m³/s) Jan. 7, 1950 (gage height, 33.50 ft or 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.
 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.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1504: 1945(P), 1946(M), 1947-51, 1953.

DAILY DISCHARGE RECORDS FOR 1973 WATER YEAR ARE PUBLISHED ON PAGE 218 OF THIS REPORT.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	764	351	2,250	2,440	1,640	616	709	456	385	314	596	550
2	696	353	854	1,250	1,720	600	1,130	451	495	311	419	667
3	511	346	646	1,170	2,430	590	2,190	453	715	308	345	602
4	438	340	625	2,250	1,550	580	2,440	451	710	308	342	537
5	402	584	745	1,800	1,110	568	2,100	445	472	316	359	407
6	385	700	757	1,300	1,040	558	844	439	427	347	347	353
7	372	711	593	1,140	4,250	542	672	428	406	347	410	349
8	364	508	523	1,440	3,750	532	610	415	389	354	388	453
9	364	791	487	1,320	2,440	526	565	408	374	359	345	506
10	393	1,080	466	974	1,480	523	534	403	367	360	333	473
11	402	949	449	1,250	1,060	545	514	451	395	328	315	399
12	390	692	441	2,850	907	757	770	497	560	315	305	359
13	366	499	438	2,750	826	814	22,600	438	429	308	333	339
14	359	445	430	2,890	776	726	31,100	411	382	315	356	915
15	356	416	430	1,670	962	612	19,900	396	365	314	383	892
16	361	399	416	996	1,980	561	7,100	390	357	394	331	525
17	385	388	413	846	1,710	529	3,700	382	348	373	327	405
18	356	379	407	768	1,390	514	1,640	378	353	334	507	362
19	359	377	424	1,680	1,080	508	1,040	372	432	315	529	337
20	353	385	850	6,630	1,080	502	821	367	353	310	362	323
21	346	700	1,260	5,650	1,040	564	704	382	343	302	318	314
22	338	911	1,070	3,270	1,170	587	640	1,440	334	298	303	306
23	335	920	678	2,610	1,520	571	648	1,230	361	300	294	298
24	333	612	587	3,270	1,110	545	644	614	395	319	289	291
25	330	542	4,080	4,710	814	587	602	485	353	373	287	292
26	333	609	7,650	5,860	715	726	553	450	337	366	289	318
27	330	866	8,160	5,590	660	1,440	519	431	327	360	308	363
28	333	1,860	6,180	3,960	636	2,100	496	430	325	321	333	348
29	328	2,330	3,410	5,030	-----	1,950	479	417	321	307	408	326
30	325	3,090	1,480	3,860	-----	1,270	467	400	318	306	459	312
31	340	-----	2,020	3,370	-----	867	-----	389	-----	918	571	-----
TOTAL	12,047	23,134	49,219	84,594	40,846	22,910	106,731	15,099	12,128	10,800	11,491	12,921
MFAN	389	771	1,588	2,729	1,459	739	3,558	487	404	348	371	431
MAX	764	3,090	8,160	6,630	4,250	2,100	31,100	1,440	715	918	596	915
MIN	325	340	407	768	636	502	467	367	318	298	287	291
CFSM	.77	1.54	3.16	5.44	2.91	1.47	7.09	.97	.80	.69	.74	.86
IN.	.89	1.71	3.65	6.27	3.03	1.70	7.91	1.12	.90	.80	.85	.96

CAL YR 1973 TOTAL 459,918 MEAN 1,260 MAX 24,100 MIN 318 CFSM 2.51 IN 34.08
 WTR YR 1974 TOTAL 401,920 MEAN 1,101 MAX 31,100 MIN 287 CFSM 2.19 IN 29.78

PEAK DISCHARGE (BASE, 6,000 CFS)

DATE	TIME	G.H.T.	DISCHARGE	DATE	TIME	G.H.T.	DISCHARGE
12-27	1600	17.59	8,630	1-27	0200	15.41	6,420
1-20	2000	a16.85	7,870	4-14	1800	b30.85	33,600

a At 2030 Jan. 20.

b At 1830 Apr. 14.

02492000 Bogue Chitto near Bush, La.

LOCATION.--Lat 30°37'45", long 89°53'50", in T.5 S., R.13 E., St. Tammany Parish, near center of span on downstream side of bridge on State Highway 21, 0.2 mi (0.3 km) downstream from Gulf, Mobile, and Ohio Railroad bridge, and 1.4 mi (2.3 km) north of Bush.

DRAINAGE AREA.--1,210 mi² (3,130 km²), approximately.

PERIOD OF RECORD.--October 1937 to current year.

GAGE.--Water-stage recorder. Datum of gage is 44.25 ft (13.487 m) above mean sea level (levels by Corps of Engineers). Prior to July 22, 1954, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--37 years, 1,868 ft³/s (52.93 m³/s, 20.98 in/yr (533 mm/yr).

EXTREMES.--Current year: Maximum discharge, 42,000 ft³/s (1,189 m³/s) Apr. 16, gage height, 15.43 ft (4.703 m); minimum, 692 ft³/s (19.6 m³/s) July 5, minimum gage height, 3.44 ft (1.049 m) Oct. 30, 31.

Period of record: Maximum discharge, 57,000 ft³/s (1,610 m³/s) Feb. 23, 1961, gage height, 17.04 ft (5.194 m); minimum, 366 ft³/s (10.4 m³/s) Oct. 22, 23, 26, 29, 1968; minimum gage height, 0.7 ft (.21m) Oct. 1, 1937, Oct. 29-31, 1940, Oct. 22-27, 1941.

REMARKS.--Records good. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,170	800	3,490	5,620	7,730	1,710	3,590	1,660	1,390	736	1,270	1,060
2	2,400	848	3,980	5,440	6,560	1,660	4,340	1,570	1,440	720	1,470	1,110
3	1,490	804	3,020	5,270	6,030	1,610	5,640	1,570	1,470	712	1,210	1,320
4	1,680	784	1,990	4,900	7,410	1,560	4,960	1,520	1,470	700	1,100	1,620
5	1,350	1,910	1,960	5,930	6,790	1,510	4,430	1,660	1,550	756	1,110	1,750
6	1,160	4,560	1,950	6,220	4,800	1,450	4,370	2,050	1,420	1,100	1,040	1,390
7	1,060	3,800	1,800	5,440	4,560	1,380	3,430	1,720	1,240	2,370	1,140	1,190
8	995	2,260	1,580	4,870	6,310	1,310	2,270	1,370	1,150	2,110	1,130	1,860
9	976	1,510	1,380	4,350	9,020	1,230	1,880	1,230	1,090	1,470	1,130	2,670
10	980	1,450	1,260	3,850	8,340	1,160	1,640	1,180	1,060	1,230	1,030	2,230
11	1,110	1,350	1,180	3,290	6,060	1,130	1,440	1,890	1,040	1,080	956	1,730
12	1,090	1,250	1,120	3,310	4,230	1,120	1,330	4,850	1,000	992	916	1,400
13	1,020	1,200	1,110	4,870	3,140	1,540	4,610	5,010	1,040	952	924	1,180
14	960	1,140	1,080	6,030	2,540	1,540	8,820	3,040	1,170	932	888	1,030
15	924	1,070	1,060	5,710	2,400	1,440	18,700	1,780	1,120	896	1,040	1,060
16	904	982	1,090	5,100	2,920	1,290	38,200	1,420	1,070	924	988	1,540
17	904	924	1,100	3,740	4,210	1,160	35,700	1,270	980	916	1,120	1,410
18	896	872	1,030	2,830	4,370	1,110	19,900	1,180	916	964	1,100	1,160
19	904	840	1,020	2,660	3,820	1,060	10,300	1,180	896	920	1,210	1,030
20	856	820	1,550	3,690	3,310	1,040	5,860	1,270	964	868	1,310	952
21	832	936	2,770	7,450	2,820	1,180	4,070	1,460	928	996	1,160	900
22	812	1,670	2,880	12,500	2,630	1,440	3,250	5,880	864	1,020	1,020	864
23	788	2,010	2,570	12,800	2,560	1,350	2,970	12,100	840	904	920	828
24	772	1,910	2,070	9,370	2,640	1,190	2,760	15,500	1,060	1,060	852	800
25	760	1,640	2,660	8,820	2,630	1,180	2,490	9,020	1,100	1,440	820	788
26	752	1,710	16,600	9,020	2,170	1,470	2,280	5,080	968	1,630	812	876
27	740	1,750	29,400	9,510	1,490	5,140	2,110	3,470	848	1,240	876	944
28	736	1,890	20,900	10,200	1,780	13,000	1,950	2,570	796	1,190	948	924
29	728	2,640	15,900	10,400	-----	12,600	1,840	1,950	768	1,060	988	924
30	720	3,210	12,800	9,640	-----	7,800	1,750	1,670	748	956	1,030	888
31	736	-----	8,580	9,100	-----	5,350	-----	1,500	-----	1,030	1,070	-----
TOTAL	32,706	48,550	150,780	201,930	123,790	74,710	206,880	98,620	32,396	33,874	32,582	37,278
MEAN	1,055	1,619	4,864	6,514	4,421	2,539	6,895	3,181	1,080	1,093	1,051	1,243
MAX	2,400	4,580	29,400	12,800	9,020	13,000	38,200	15,500	1,550	2,370	1,470	2,470
MIN	720	784	1,020	2,660	1,780	1,040	1,330	1,180	748	700	812	788
CFSM	.87	1.34	4.02	5.38	3.65	2.10	5.70	2.63	.89	.90	.87	1.03
IN.	1.01	1.49	4.64	6.21	3.81	2.42	6.36	3.03	1.00	1.04	1.00	1.15
CAL YR 1973	TOTAL	1,207,746	MEAN	3,309	MAX	35,300	MIN	697	CFSM	2.73	IN	37.13
WTR YR 1974	TOTAL	1,078,106	MEAN	2,954	MAX	38,200	MIN	700	CFSM	2.44	IN	33.15

PEAK DISCHARGE (BASE, 8,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12-27	0430	14.15	31,900	3-28	2015	11.79	15,100
1-23	0315	11.50	13,400	4-16	2215	15.43	42,000
2-9	1915	10.70	9,550	5-24	0930	12.05	16,800

PEARL RIVER BASIN

37

02492000 Bogue Chitto near Bush, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

JAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.55	3.65	8.17	9.55	10.25	6.11	8.24	6.01	5.49	3.95	4.85	4.29
2	6.91	3.77	8.50	9.47	9.91	6.01	8.75	5.84	5.59	3.91	5.24	4.43
3	6.24	3.66	7.62	9.39	9.71	5.92	9.56	5.84	5.66	3.89	4.71	4.89
4	5.62	3.61	6.24	9.19	10.16	5.83	9.22	5.76	5.66	3.86	4.44	5.50
5	4.95	5.85	6.18	9.67	9.97	5.73	8.89	6.00	5.82	4.00	4.46	5.75
6	4.56	8.97	6.16	9.78	9.11	5.61	8.85	6.61	5.54	4.82	4.28	5.03
7	4.29	8.37	5.86	9.46	8.98	5.47	8.11	6.10	5.19	7.03	4.51	4.61
8	4.14	6.69	5.42	9.17	9.79	5.33	6.89	5.46	4.99	6.62	4.49	5.96
9	4.09	5.53	5.02	8.83	10.57	5.17	6.39	5.18	4.84	5.39	4.48	7.01
10	4.10	--	4.77	8.48	10.41	5.02	5.96	5.05	4.75	4.91	4.23	6.63
11	4.43	--	4.60	7.98	9.71	4.93	5.60	6.31	4.71	4.54	4.04	5.72
12	4.38	--	4.46	7.98	8.74	4.90	5.38	9.14	4.62	4.31	3.93	5.05
13	4.20	--	4.43	9.16	7.89	5.79	8.79	9.23	4.71	4.21	3.97	4.61
14	4.05	--	4.36	9.72	7.38	5.80	10.50	7.72	5.03	4.14	3.87	4.36
15	3.96	4.57	4.30	9.59	7.08	5.59	12.30	6.22	4.90	4.05	4.24	4.29
16	3.91	4.38	4.37	9.30	7.66	5.29	14.94	5.56	4.79	4.12	4.12	5.33
17	3.91	4.21	4.40	8.37	8.73	5.02	14.64	5.25	4.56	4.08	4.45	5.07
18	3.89	4.08	4.23	7.50	8.85	4.89	12.47	5.06	4.40	4.20	4.41	4.56
19	3.91	4.00	4.19	7.28	8.45	4.77	10.84	5.07	4.35	4.09	4.66	4.22
20	3.79	3.95	5.34	8.26	8.04	4.72	9.62	5.25	4.52	3.96	4.87	4.03
21	3.73	4.24	7.41	10.08	7.58	5.07	8.63	5.55	4.43	4.26	4.56	3.90
22	3.68	5.79	7.56	11.31	7.36	5.60	8.00	9.50	4.27	4.32	4.21	3.81
23	3.62	6.35	7.15	11.37	7.28	5.42	7.74	11.21	4.21	4.03	3.95	3.72
24	3.58	6.19	6.36	10.66	7.38	5.09	7.51	11.84	4.75	4.40	3.78	3.65
25	3.55	5.76	7.02	10.53	7.36	5.05	7.19	10.55	4.87	5.24	3.70	3.62
26	3.53	5.88	11.71	10.57	6.77	5.65	6.91	9.24	4.53	5.62	3.68	3.84
27	3.50	5.93	13.82	10.69	6.40	9.05	6.68	8.16	4.23	4.81	3.84	4.01
28	3.49	6.16	12.64	10.85	6.22	11.40	6.48	7.26	4.10	4.70	4.02	3.96
29	3.47	7.24	11.90	10.88	-----	11.33	6.32	6.49	4.03	4.36	4.12	3.96
30	3.45	7.91	11.36	10.72	-----	10.26	6.17	6.03	3.98	4.11	4.23	3.87
31	3.49	-----	10.47	10.60	-----	9.40	-----	5.71	-----	4.29	4.32	-----
MAX	6.91	3.61	13.82	11.37	10.57	11.40	14.94	11.84	5.82	7.03	5.24	7.01
MIN	3.45	8.97	4.19	7.28	6.22	4.72	5.38	5.05	3.98	3.86	3.68	3.62

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER BASIN STEM

07289000 Mississippi River at Vicksburg, Miss.

LOCATION.--Lat 32°18'45", long 90°54'25", in T.16 N., R.3 E., Washington meridian, Warren County, 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.--1,144,500 mi² (2,964,300 km²).

PERIOD OF RECORD.--Discharge: January 1928 to September 1973 (records for 1974 water year not available). Prior to July 1931, monthly discharge only, published in WSP 1311.

Gage heights: April 1930 to September 1973 in reports of Geological Survey. Since December 1871, referred to canal gages (above 30.0 ft or 9.14 m only, since December 1949), and since September 1934 to December 1964, referred to bridge gage, in reports of Mississippi River Commission. January 1937 to December 1967, referred to bridge gage; and since 1967, referred to gage 1.1 mi (1.8 km) upstream, in reports of Corps of Engineers. Since May 1873, in reports of U.S. Weather Bureau.

Extremes of stage intermittently 1828-71 and continuous since 1871, extremes of discharge for various years 1858-1926 and continuous 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.

GAGE.--Water-stage recorder (bridge gage) maintained by the Geological Survey. Supplementary water-stage recorder on left bank at site 1.1 mi (1.8 km) upstream, maintained by Corps of Engineers. Datum of gage is 46.22 ft (14.088 m) above mean sea level (Corps of Engineers bench mark) or 46.16 ft (14.070 m) above mean Gulf level. See WRD LA 1969 or WRD MISS 1973 for history of changes prior to water year 1970 and for history of gages used by the various data-collecting agencies. All gages at same datum, but readings differ due to slope of water surface between them.

AVERAGE DISCHARGE.--45 years, 562,400 ft³/s (15,930 m³/s), 407,500,000 acre-ft/yr (502 km³/yr).

EXTREMES.--1972-73: Maximum daily discharge, 1,962,000 ft³/s (55,600 m³/s) May 12; maximum gage height, 50.67 ft (15.444 m) May 14 at bridge gage, 53.10 ft (16.185 m) at supplementary recorder; minimum daily discharge, 291,000 ft³/s (8,240 m³/s) Sept. 26, minimum gage height, 9.00 ft (2.743 m) at supplementary recorder.

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).

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).

REMARKS.--Records excellent. Natural flow of stream affected by many reservoirs and navigation dams.

COOPERATION.--Supplementary gage-height record, one hundred nineteen discharge measurements, and records of daily discharge furnished by Corps of Engineers. Records reviewed by Geological Survey.

REVISIONS.--WSP 747: Drainage area.

NOTE.--Records for 1974 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

RECORDS FOR 1973 WATER YEAR ARE PUBLISHED ON PAGE 219 OF THIS REPORT.

RED RIVER BASIN

39

07344400 Red River near Hosston, La.

LOCATION.--Lat 32°53'35", long 93°49'20", in SW¼ sec.16, T.22 N., R.14 W., Caddo-Bossier Parish line, near left bank on downstream side of bridge on State Highway 2, 1.8 mi (2.9 km) downstream from Dry Bayou, and 3.2 mi (5.1 km) east of Hosston.

DRAINAGE AREA.--57,041 mi² (147,736 km²), of which 5,936 mi² (15,374 km²) above Denison Dam is noncontributing.

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to current year (discharge below 5,000 ft³/s or 142 m³/s only).

GAGE.--Nonrecording gage read once daily. Datum of gage is 161.56 ft (49.244 m) above mean sea level (levels by Corps of Engineers). Prior to Feb. 20, 1962, water-stage recorder at same site and datum.

AVERAGE DISCHARGE.--11 years (1958-68), 17,920 ft³/s (507 m³/s), 12,980,000 acre-ft/yr (16.0 km³/yr).

EXTREMES.--Current year: Maximum gage height, 20.14 ft (6.139 m) Dec. 5, discharge not determined; minimum daily discharge, 2,810 ft³/s (79.6 m³/s) Aug. 13.

Period of record: Maximum discharge, 214,000 ft³/s (6,060 m³/s) May 7, 1958 (gage height, 27.89 ft or 8.501 m); minimum daily, 803 ft³/s (22.7 m³/s) Sept. 16, 17, 1972.

REMARKS.--Records fair. Regulation since July 1942 by Lake Texoma (capacity, 5,392,900 acre-ft or 6.65 km³), since July 1953 by Texarkana Reservoir (capacity, 2,654,300 acre-ft or 3.27 km³), and since August 1966 by Millwood Lake (capacity, 1,854,900 acre-ft or 2.29 km³). Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

Aug. 5.....	4,420	Aug. 12.....	3,020
Aug. 6.....	4,840	Aug. 13.....	2,810
Aug. 9.....	4,580	Aug. 14.....	3,150
Aug. 10.....	4,080	Aug. 15.....	3,640
Aug. 11.....	3,570	Aug. 16.....	3,820

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.45	11.35	19.34	12.95	12.98	7.89	7.40	11.37	7.41	8.35	4.79	7.05
2	11.65	13.15	19.38	12.74	12.62	8.25	7.10	11.08	7.73	8.39	4.77	7.73
3	11.93	14.30	19.62	12.50	12.04	7.72	6.77	11.04	7.57	8.34	4.73	8.30
4	11.47	15.08	20.05	12.07	11.28	7.10	6.43	11.90	7.03	8.10	4.35	9.10
5	11.04	15.52	20.11	11.49	10.54	6.52	6.20	14.29	7.68	7.95	3.95	10.55
6	10.77	15.98	20.04	10.60	10.34	6.05	5.88	16.15	8.48	7.83	4.11	11.10
7	10.37	15.96	19.94	10.30	10.18	5.94	5.22	17.20	9.18	7.70	4.32	10.78
8	9.98	15.50	19.35	10.38	9.95	5.42	5.00	17.28	12.13	7.75	4.20	10.37
9	9.65	14.75	18.09	10.45	9.86	5.14	6.36	16.62	14.27	7.94	4.01	9.95
10	9.73	14.12	16.90	10.56	9.76	4.92	6.64	16.07	16.59	7.88	3.81	9.40
11	10.28	12.85	16.02	11.07	9.28	4.62	6.54	15.77	17.42	7.56	3.59	8.60
12	10.41	11.96	15.41	12.20	8.58	4.82	6.23	15.22	17.69	7.21	3.34	8.30
13	10.62	11.54	15.10	12.82	8.38	7.20	5.80	14.07	17.88	6.83	3.24	9.85
14	11.08	11.06	14.55	13.40	7.62	8.02	5.43	12.88	17.98	6.44	3.40	12.78
15	12.48	10.59	13.40	13.62	7.58	8.39	5.27	11.71	18.07	6.04	3.62	14.76
16	14.98	9.64	12.52	13.59	7.54	8.63	5.30	10.86	18.00	5.73	3.70	15.06
17	16.14	9.50	12.30	13.45	7.48	9.28	5.75	10.05	17.68	5.59	4.25	14.86
18	16.27	9.68	12.08	12.92	7.39	10.47	6.30	9.41	17.25	5.52	5.63	14.66
19	16.61	9.59	11.66	11.88	7.14	11.52	6.48	9.40	16.73	5.41	6.62	14.80
20	16.38	9.50	11.78	11.22	6.87	11.21	6.45	9.36	16.08	5.24	6.75	15.05
21	14.08	9.76	12.08	11.24	6.85	10.74	6.23	9.09	15.55	5.38	6.41	15.24
22	12.74	9.94	12.19	11.92	7.14	10.79	8.75	8.59	15.68	5.25	6.13	14.90
23	12.09	9.89	12.36	12.68	8.20	10.57	10.51	8.39	15.04	4.85	6.09	14.15
24	11.46	9.90	12.64	13.01	8.42	10.15	11.07	7.95	14.12	5.47	6.09	13.85
25	11.06	10.55	13.05	12.85	8.16	9.97	11.85	7.41	13.25	5.54	5.83	14.33
26	10.95	12.92	13.75	12.22	8.01	9.72	12.80	6.84	12.20	5.17	5.55	14.60
27	10.98	14.90	14.37	11.73	8.02	9.61	13.35	6.47	10.98	5.17	5.43	15.10
28	11.02	16.04	15.05	11.76	7.70	9.51	12.95	6.30	9.90	4.85	4.88	16.22
29	11.14	18.25	14.84	12.25	-----	9.37	12.31	6.13	9.31	4.47	4.68	17.24
30	11.02	19.35	14.12	12.24	-----	8.52	11.75	6.20	8.71	4.55	5.17	17.50
31	11.01	-----	13.42	12.58	-----	7.94	-----	6.85	-----	4.73	5.83	-----
MAX	16.61	19.35	20.11	13.62	12.98	11.52	13.35	17.28	18.07	8.39	6.75	17.50
MIN	9.45	9.50	11.66	10.30	6.85	4.62	5.00	6.13	7.03	4.47	3.24	7.05

07344450 Paw Paw Bayou near Greenwood, La.

LOCATION.--Lat 32°31'00", long 93°58'20", in SE¼ sec.26, T.18 N., R.16 W., Caddo Parish, near center of span on downstream side of bridge on State Highway 169, 1 mi (2 km) upstream from Cross Lake, 5.1 mi (8.2 km) north of Greenwood, and 11 mi (18 km) west of Shreveport.

DRAINAGE AREA.--78 mi² (202 km²).

PERIOD OF RECORD.--October 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 170.35 ft (51.923 m) above mean sea level (Louisiana Geodetic Survey bench mark).

AVERAGE DISCHARGE.--19 years, 62.8 ft³/s (1.778 m³/s), 10.93 in/yr (278 mm/yr), 45,500 acre-ft/yr (56.1 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 3,950 ft³/s (112 m³/s) Dec. 4 (gage height, 11.94 ft or 3.639 m); no flow Aug. 28.
Period of record: Maximum discharge, 7,310 ft³/s (207 m³/s) Apr. 27, 1958 (gage height, 13.84 ft or 4.218 m), from rating curve extended above 2,200 ft³/s (62.3 m³/s); no flow at times each year.

REMARKS.--Records fair. See following page for table of daily gage height. Records of water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	104	85	52	97	39	23	14	142	1.1	.16	16
2	6.8	49	50	48	76	36	18	24	186	.96	1.9	14
3	3.9	22	130	145	68	35	16	23	39	.82	.98	13
4	2.5	44	2,790	432	52	32	13	16	16	.74	.63	8.5
5	1.8	483	1,240	445	41	28	11	18	178	1.1	.55	3.6
6	1.4	710	624	225	40	26	8.8	32	922	.87	.37	1.8
7	1.2	414	207	201	43	24	8.1	50	628	77	.21	1.2
8	1.2	108	72	142	39	22	7.9	22	1,550	115	.87	3.0
9	1.2	55	64	110	33	21	7.6	13	1,440	23	1.9	62
10	1.4	38	43	434	28	19	7.0	9.6	1,150	9.3	.89	84
11	2.1	28	35	1,120	26	295	12	8.3	819	4.5	.44	24
12	4.2	23	31	781	25	788	151	8.6	384	2.8	.25	9.4
13	53	16	30	458	25	629	186	8.6	74	1.9	.16	11
14	304	13	28	177	46	251	54	6.1	40	1.6	.12	65
15	608	13	25	208	377	64	25	4.4	24	17	.10	36
16	261	12	22	173	506	43	16	3.7	17	18	.08	14
17	131	11	19	118	235	33	12	3.2	13	5.5	.07	8.8
18	69	9.7	18	93	86	26	9.2	3.0	11	2.7	.06	15
19	31	8.6	82	307	242	24	8.3	2.6	8.9	1.6	.06	9.5
20	18	40	458	984	292	25	7.4	2.3	8.0	1.1	.05	5.2
21	13	238	555	852	617	189	6.9	2.7	6.6	.75	.04	3.5
22	10	188	284	483	1,340	312	138	3.0	5.3	.58	.05	2.5
23	8.3	73	89	223	700	145	707	3.8	4.2	.42	.05	1.8
24	6.6	36	495	965	269	54	737	4.2	3.4	.93	.04	1.7
25	5.5	62	824	1,390	80	41	279	3.0	2.7	3.7	.03	4.4
26	4.9	124	617	898	53	38	43	42	2.3	3.4	.03	57
27	4.4	833	242	792	45	35	23	99	1.9	2.1	.01	40
28	4.2	1,020	90	1,040	41	32	17	29	1.6	1.2	0	15
29	4.3	692	64	1,010	-----	51	14	11	1.4	.78	.04	8.6
30	5.0	370	55	584	-----	53	12	6.6	1.2	.51	.14	5.2
31	26	-----	49	230	-----	34	-----	7.6	-----	.26	7.1	-----
TOTAL	1,606.9	5,837.3	9,417	15,120	5,522	3,444	2,578.2	484.3	7,680.5	301.22	17.38	544.7
MEAN	51.8	195	304	488	197	111	85.9	15.6	256	9.72	.56	18.2
MAX	608	1,020	2,790	1,390	1,340	788	737	99	1,550	115	7.1	84
MIN	1.2	8.6	18	48	25	19	6.9	2.3	1.2	.26	0	1.2
CFSM	.66	2.50	3.90	6.26	2.53	1.42	1.10	.20	3.28	.12	.007	.23
IN.	.77	2.78	4.49	7.21	2.63	1.64	1.23	.23	3.66	.14	.008	.26
AC-FT	3,190	11,580	18,680	29,990	10,950	6,830	5,110	961	15,230	597	34	1,080
CAL YR 1973	TOTAL 53,142.62	MEAN 146	MAX 2,830	MIN 0	CFSM 1.87	IN 25.34	AC-FT 105,400					
WTR YR 1974	TOTAL 52,553.50	MEAN 144	MAX 2,790	MIN 0	CFSM 1.85	IN 25.06	AC-FT 104,200					

PEAK DISCHARGE (BASE, 800 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11- 5	1745	9.18	966	1-24	2230	10.11	1,810
11-28	1130	9.37	1,110	1-28	2045	9.53	1,240
12- 4	1115	11.94	3,950	2-22	0200	10.04	1,740
12-25	1400	9.02	862	3-12	1400	8.91	805
1-11	1330	9.51	1,220	4-23	1715	9.13	931
1-20	1930	9.46	1,180	6- 8	unknown	9.94	1,640

RED RIVER BASIN

41

07344450 Paw Paw Bayou near Greenwood, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.46	5.09	4.58	3.74	4.87	3.34	2.85	2.50	5.73	1.42	1.13	2.58
2	2.08	3.67	3.70	3.62	4.40	3.28	2.68	2.88	6.30	1.39	1.56	2.49
3	1.83	2.81	4.49	5.35	4.17	3.21	2.56	2.86	3.36	1.36	1.39	2.43
4	1.66	3.50	10.91	7.83	3.74	3.12	2.45	2.58	2.57	1.34	1.30	2.20
5	1.54	8.11	9.53	7.88	3.43	3.01	2.34	2.66	6.21	1.41	1.28	1.79
6	1.47	8.72	8.46	6.73	3.38	2.94	2.23	3.12	9.11	1.37	1.23	1.55
7	1.43	7.88	6.32	6.47	3.48	2.89	2.19	3.67	8.49	3.84	1.15	1.43
8	1.43	5.15	4.28	5.71	3.36	2.83	2.17	2.81	9.94	5.06	1.34	1.60
9	1.44	3.82	4.10	5.15	3.17	2.76	2.15	2.47	9.82	2.83	1.55	3.83
10	1.48	3.34	3.49	7.30	3.02	2.72	2.11	2.28	9.45	2.23	1.37	4.55
11	1.59	2.99	3.24	9.41	2.94	5.76	2.33	2.20	8.91	1.90	1.25	2.86
12	1.83	2.82	3.10	8.85	2.91	8.87	5.64	2.22	7.48	1.70	1.19	2.26
13	3.76	2.60	3.08	7.90	2.90	8.48	6.25	2.22	4.31	1.56	1.15	2.32
14	7.42	2.48	3.03	6.18	3.48	6.58	3.78	2.03	3.38	1.52	1.13	4.10
15	8.47	2.47	2.92	6.55	7.54	4.09	2.91	1.88	2.90	2.36	1.12	3.27
16	7.11	2.42	2.81	6.12	8.10	3.50	2.59	1.81	2.62	2.63	1.11	2.48
17	5.57	2.38	2.72	5.30	6.54	3.16	2.41	1.76	2.45	1.97	1.11	2.22
18	4.23	2.29	2.65	4.79	4.62	2.95	2.24	1.72	2.33	1.68	1.10	2.56
19	3.09	2.22	4.09	6.74	6.80	2.88	2.20	1.67	2.24	1.52	1.10	2.26
20	2.67	3.40	7.92	9.18	7.19	2.91	2.13	1.63	2.18	1.42	1.09	1.96
21	2.47	6.88	8.26	8.96	7.91	6.12	2.10	1.68	2.08	1.34	1.08	1.79
22	2.32	6.35	6.89	8.00	9.68	7.32	4.63	1.73	1.97	1.30	1.08	1.65
23	2.19	4.32	4.70	6.67	8.63	5.56	8.60	1.83	1.87	1.24	1.09	1.55
24	2.08	3.28	7.93	8.95	6.77	3.79	8.73	1.86	1.77	1.36	1.08	1.53
25	1.99	4.02	8.94	9.73	4.46	3.42	6.65	1.73	1.69	1.76	1.07	1.83
26	1.93	5.45	8.44	9.06	3.78	3.35	3.46	3.34	1.62	1.77	1.07	3.87
27	1.89	8.90	6.73	8.87	3.54	3.23	2.84	4.92	1.56	1.59	1.00	3.38
28	1.87	9.27	4.73	9.29	3.41	3.15	2.64	3.04	1.51	1.43	.87	2.56
29	1.88	8.66	4.09	9.23	-----	3.72	2.50	2.37	1.48	1.34	1.00	2.21
30	1.94	7.35	3.84	8.34	-----	3.79	2.40	2.08	1.44	1.27	1.14	1.95
31	2.95	-----	3.64	6.55	-----	3.22	-----	2.15	-----	1.17	2.07	-----
MAX	8.47	9.27	10.91	9.73	9.68	8.87	8.73	4.92	9.94	5.06	2.07	4.55
MIN	1.43	2.22	2.65	3.62	2.90	2.72	2.10	1.63	1.44	1.17	.87	1.43

RED RIVER BASIN

07348000 Twelvemile Bayou near Dixie, La.

LOCATION.--Lat 32°38'45", long 93°52'40", in NW¼NW¼ sec.14, T.19 N., R.15 W., Caddo Parish, near right bank on downstream side of pier of bridge on State Highway 173, 0.1 mi (0.2 km) downstream from Cottonwood Bayou, 4.2 mi (6.8 km) southwest of Dixie, 5.5 mi (8.8 km) downstream from Caddo Lake, and 17.3 mi (27.8 km) upstream from mouth.

DRAINAGE AREA.--3,137 mi² (8,125 km²).

PERIOD OF RECORD.--August 1942 to current year.

GAGE.--Water-stage recorder. Datum of gage is 140.00 ft (42.672 m) above mean sea level. Prior to Sept. 5, 1947, nonrecording gage and Sept. 5, 1947, to Sept. 30, 1950, water-stage recorder at datum 5.88 ft (1.792 m) higher. Oct. 1, 1950, to Sept. 30, 1962, water-stage recorder at datum 3.88 ft (1.183 m) higher. Nonrecording gage for Red River at Shreveport (sta 07348500) read once daily used as auxiliary gage for this station.

AVERAGE DISCHARGE.--32 years, 2,554 ft³/s (72.33 m³/s), 11.06 in/yr (281 mm/yr), 1,850,000 acre-ft/yr (2.28 km³/yr).

EXTREMES.--Current year: Maximum discharge, 17,400 ft³/s (493 m³/s) Dec. 8 (gage height, 29.19 ft or 8.897 m); minimum discharge, 23 ft³/s (0.65 m³/s) Aug. 25 (gage height, 0.37 ft or 0.011 m).
Period of record: Maximum discharge, 38,400 ft³/s (1,090 m³/s) May 5, 1958; maximum gage height, 39.53 ft (12.049 m) Apr. 5, 1945, and May 5, 1958, present datum; minimum discharge, 0.08 ft³/s (0.002 m³/s) Aug. 24, 1972 (gage height, 0.31 ft or 0.094 m).

REMARKS.--Records good except those for periods of no gage-height record, which are poor. Flow regulated by Ellison Creek (usable capacity, 24,500 acre-ft or 30.2 hm³) since January 1943; Lake O' the Pines (usable capacity, 839,200 acre-ft or 1.03 km³, of which 587,200 acre-ft or .724 km³ is available for flood storage) since August 1957; and Caddo Lake (usable capacity, 170,000 acre-ft or 210 hm³). See page 44 for table of daily gage height. Records of water temperatures for the water year 1974 are published in Part 2 of this report.

REVISIONS.--WSP 1211: Drainage area.

CORRECTIONS.--Corrected figures of discharge, in cubic feet per second, superseding figures published for the water year 1973 are given herewith:

Date	Discharge	Date	Discharge	Date	Discharge	Date	Discharge
Mar. 29	13,200	Sept. 11	1,700	Sept. 18	2,060	Sept. 25	2,130
Sept. 5	114	12	1,780	19	2,000	26	1,970
6	798	13	2,160	20	2,110	27	1,890
7	1,300	14	2,240	21	2,100	28	2,170
8	1,340	15	2,210	22	1,990	29	2,100
9	1,360	16	2,180	23	1,850	30	1,920
10	1,360	17	2,150	24	1,920		
Month	Cfs-days	Max.	Min.	Mean	Per square mile	Inches	Ac-ft
Sept. 1973	46,913.3	2,240	2.7	1,564	.50	.56	93,100
Water Year	1,561,566.4	21,700	2.0	4,278	1.36	18.52	3,097,000

RED RIVER BASIN

43

07348000 Twelvemile Bayou near Dixie, La.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,900	2,910	10,600	5,980	9,890	3,470	2,160	9,530	2,420	2,240	61	2,080
2	1,950	2,850	11,200	5,840	9,600	3,420	1,900	8,880	2,180	1,850	97	2,880
3	1,810	2,840	11,600	6,310	9,290	3,330	2,050	8,110	1,770	1,510	146	2,990
4	1,810	2,920	14,000	6,660	8,720	3,210	2,010	7,270	1,490	1,310	92	2,800
5	1,550	3,930	15,700	6,460	8,050	3,020	1,680	6,700	1,910	1,120	71	2,710
6	1,370	3,770	16,300	6,180	7,500	2,870	1,340	6,430	2,080	907	55	2,640
7	1,280	3,840	16,800	5,880	6,980	2,640	1,200	6,160	2,210	734	47	2,490
8	1,090	4,040	17,400	5,540	6,430	2,440	1,260	5,920	4,000	613	43	2,400
9	887	4,150	17,100	5,270	5,600	2,330	879	5,610	6,090	538	41	3,040
10	741	4,220	16,600	6,060	5,480	2,220	677	5,690	8,560	487	46	3,620
11	607	4,590	15,800	7,070	5,040	2,540	694	5,110	10,800	397	50	3,560
12	888	4,700	14,900	6,410	4,740	3,350	1,290	4,930	12,600	332	40	3,260
13	1,420	4,750	14,000	6,070	4,550	3,410	1,410	4,630	14,100	280	34	3,490
14	2,120	4,740	12,900	6,080	4,380	3,390	1,630	4,400	14,800	228	31	4,340
15	2,530	4,660	11,700	6,010	4,300	3,410	1,410	4,220	15,100	312	29	4,570
16	3,880	4,300	10,800	5,880	4,280	3,360	1,430	3,990	14,900	282	30	4,380
17	4,880	3,940	9,810	5,730	3,830	3,230	1,320	3,830	14,400	250	28	4,230
18	5,180	3,690	8,640	5,530	3,390	3,240	1,410	3,650	13,600	219	27	4,290
19	5,550	3,330	8,350	6,230	3,720	3,190	1,390	3,340	12,500	195	26	4,560
20	6,020	3,050	8,620	7,500	3,090	2,910	1,340	2,900	11,400	165	26	4,750
21	6,370	3,390	7,910	7,280	3,080	3,250	1,270	2,520	10,500	133	26	4,860
22	6,220	3,170	7,220	7,040	5,150	3,000	2,080	2,180	9,370	106	26	4,850
23	5,820	2,950	6,540	7,160	4,300	3,040	4,580	1,900	7,880	92	25	4,790
24	5,300	2,810	7,500	8,510	4,150	2,590	6,320	1,580	6,580	140	25	5,000
25	4,780	3,100	7,780	9,310	3,890	2,290	8,970	1,320	5,700	338	25	5,320
26	4,350	4,740	7,310	9,810	3,610	2,280	10,500	1,570	4,960	342	26	5,880
27	4,020	7,250	6,880	10,200	3,480	2,300	10,900	1,640	4,380	254	26	6,050
28	3,760	8,530	6,340	10,500	3,470	2,440	11,000	1,600	3,820	198	26	6,050
29	3,330	8,790	6,300	10,600	-----	2,500	10,700	1,520	3,240	155	28	5,870
30	2,910	9,790	6,250	10,400	-----	2,320	10,200	1,430	2,680	94	63	5,640
31	3,230	-----	6,210	10,200	-----	2,230	-----	1,470	-----	65	645	-----
TOTAL	97,553	131,740	339,060	223,700	149,990	89,220	105,000	130,030	226,020	15,886	1,961	123,390
MEAN	3,147	4,391	10,940	7,216	5,357	2,878	3,500	4,195	7,534	512	63.3	4,113
MAX	6,370	9,790	17,400	10,600	9,890	3,470	11,000	9,530	15,100	2,240	645	6,050
MIN	607	2,810	6,210	5,270	3,080	2,220	677	1,320	1,490	65	25	2,080
CFSM	1.00	1.40	3.49	2.30	1.71	.92	1.12	1.34	2.40	.16	.02	1.31
IN.	1.16	1.56	4.02	2.65	1.78	1.06	1.25	1.54	2.68	.19	.02	1.46
AC-FT	193,500	261,300	672,500	443,700	297,500	177,000	208,300	257,900	448,300	31,510	3,890	244,700
CAL YR 1973	TOTAL 1,908,760.5	MEAN 5,229	MAX 21,700	MIN 2.0	CFSM 1.67	IN 22.63	AC-FT 3,786,000					
WTR YR 1974	TOTAL 1,633,550.0	MEAN 4,475	MAX 17,400	MIN 25	CFSM 1.43	IN 19.37	AC-FT 3,240,000					

RED RIVER BASIN

07348000 Twelvemile Bayou near Dixie, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.60	11.20	24.80	17.76	23.42	12.61	9.30	22.97	9.18	8.69	.92	8.23
2	7.95	11.44	25.28	17.50	23.06	12.47	8.64	22.13	8.52	7.61	1.24	10.47
3	8.63	11.88	25.73	18.34	22.68	12.24	9.02	21.07	7.40	6.66	1.65	10.75
4	8.47	13.16	27.49	18.92	21.92	11.96	8.91	19.86	6.60	6.11	1.20	10.25
5	7.43	14.62	28.55	18.58	20.98	11.48	8.05	18.98	7.78	5.58	1.02	10.00
6	6.88	14.44	28.90	18.12	20.20	11.10	7.16	18.82	8.24	4.96	.86	9.80
7	6.47	14.83	29.10	17.58	19.42	10.53	6.78	18.69	8.61	4.42	--	9.40
8	5.86	15.07	29.18	16.96	18.54	10.00	6.94	18.48	13.41	4.04	--	9.13
9	5.25	14.96	29.05	16.48	17.79	9.75	5.86	17.91	17.88	3.80	--	10.88
10	4.78	14.92	28.76	17.90	16.86	9.44	5.22	17.81	21.83	3.61	--	12.45
11	4.69	15.15	28.34	19.56	16.06	10.26	5.28	16.71	24.57	3.24	--	12.30
12	5.56	15.37	27.83	18.50	15.46	12.30	7.02	16.28	26.22	2.93	--	11.50
13	6.92	15.48	27.25	17.92	15.06	12.44	7.34	15.51	27.30	2.64	--	12.11
14	8.82	15.46	26.45	17.94	14.69	12.40	7.92	14.74	27.78	2.27	--	14.33
15	10.25	15.31	25.48	17.82	14.50	12.44	7.34	14.02	27.95	2.82	.50	15.18
16	14.03	14.50	24.48	17.59	14.46	12.32	7.38	13.42	27.82	2.65	.52	15.05
17	16.48	13.71	23.33	17.31	13.46	12.00	7.10	12.99	27.50	2.43	.49	14.72
18	17.23	13.14	21.82	16.95	12.41	12.02	7.33	12.53	26.95	2.21	.46	14.82
19	17.75	12.24	21.40	18.18	13.19	11.90	7.28	11.71	26.18	2.03	.45	15.36
20	18.28	11.56	21.78	20.20	11.66	11.19	7.15	10.52	25.24	1.80	.45	15.82
21	18.44	12.40	20.78	19.88	11.61	12.05	6.95	9.47	24.16	1.54	.44	16.08
22	18.18	11.85	19.78	19.50	16.26	11.42	9.05	8.52	22.78	1.32	.43	16.03
23	17.48	11.29	18.71	19.70	14.50	11.53	15.13	7.74	20.74	1.20	.42	15.74
24	16.53	10.94	20.19	21.62	14.18	10.40	18.35	6.85	18.78	1.60	.42	15.87
25	15.53	11.68	20.60	22.70	13.60	9.62	22.25	6.15	17.25	2.96	.42	16.51
26	14.62	15.30	19.92	23.33	12.94	9.60	24.15	6.82	15.78	2.98	.43	17.58
27	13.88	19.83	19.26	23.78	12.62	9.65	24.67	7.03	14.43	2.46	.43	17.89
28	13.31	21.67	18.62	24.23	12.61	10.00	24.74	6.91	12.98	2.05	.43	18.21
29	12.24	22.48	18.55	24.31	-----	10.16	24.37	6.69	11.42	1.72	.49	18.19
30	11.21	23.82	18.24	24.09	-----	9.71	23.79	6.44	9.91	1.22	.94	17.90
31	11.99	-----	18.16	23.78	-----	9.48	-----	6.56	-----	.96	4.08	-----
MAX	18.44	23.82	29.18	24.31	23.42	12.61	24.74	22.97	27.95	8.69	4.08	18.21
MIN	4.69	10.94	18.16	16.48	11.61	9.44	5.22	6.15	6.60	.96	.42	8.23

07348500 Red River at Shreveport, La.

LOCATION.--Lat 32°30'55", long 93°44'25", in SE¼SE¼ sec.30, T.18 N., R.13 W., Caddo Parish, on second pier from east bank, at Illinois Centrail Railroad Co. bridge at Shreveport, 0.5 mi (0.8 km) downstream from Cross Bayou.

DRAINAGE AREA.--60,613 mi² (156,988 km²), of which 5,936 mi² (15,374 km²) above Denison Dam is noncontributing.

PERIOD OF RECORD.--October 1973 to current year. Daily gage heights since May 1873 and discharge intermittently, 1872 to 1905, in reports of Mississippi River Commission.

GAGE.--Water-stage recorder. Datum of gage is 131.48 ft (40.075 m) above mean sea level (levels by Corps of Engineers). Prior to June 1, 1918, nonrecording gage at same site at datum 10 ft (3.048 m) higher.

EXTREMES.--Current year: Maximum gage height, 24.84 ft (7.571 m) Dec. 6; minimum, 5.18 ft (1.579 m) Aug. 14.
Maximum stage known, 45.9 ft (13.990 m), present datum, in August 1849.

REMARKS.--Regulation by Lake Texoma, Millwood Reservoir, and Texarkana Reservoir.

COOPERATION.--Gage-height record furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1211: Drainage area. WSP 1920: 1960(M).

NOTE.--Daily discharge records for 1974 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

DAILY DISCHARGE RECORDS FOR 1973 WATER YEAR ARE PUBLISHED ON PAGE 222 OF THIS REPORT.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.58	13.35	23.22	16.88	17.30	11.70	9.58	15.04	9.15	11.35	6.60	8.50
2	12.80	15.35	22.85	16.60	17.20	11.20	9.38	14.75	9.58	11.00	6.70	10.30
3	15.28	16.94	23.15	16.25	16.10	10.56	9.08	14.51	9.64	10.98	6.68	10.50
4	15.02	18.95	24.30	16.14	14.95	10.04	8.72	14.48	9.48	10.75	6.45	11.09
5	14.10	18.80	24.72	15.62	14.32	9.60	8.55	15.74	9.44	10.48	6.32	12.20
6	13.70	19.00	24.82	14.52	13.85	9.15	8.70	18.84	10.22	10.30	5.87	13.12
7	13.19	19.55	24.74	13.99	13.55	8.72	7.70	20.20	10.95	10.19	5.95	13.00
8	12.59	19.40	24.18	13.88	13.15	8.38	7.10	20.90	13.28	10.10	6.10	12.68
9	12.08	18.55	23.12	13.72	12.82	8.06	7.40	20.47	17.60	10.11	6.10	12.53
10	11.66	17.82	22.12	14.10	12.41	7.72	8.10	19.60	20.44	10.15	5.95	12.20
11	12.09	16.39	21.18	15.10	12.05	7.72	8.50	19.01	21.48	9.98	5.68	11.60
12	12.58	15.10	20.38	15.80	11.72	8.50	8.20	18.48	21.78	9.64	5.46	11.20
13	13.00	14.58	19.98	17.05	11.20	8.50	8.12	17.62	22.12	9.24	5.29	11.25
14	13.41	14.15	19.58	17.38	10.62	9.20	7.78	16.30	22.30	8.85	5.19	14.10
15	15.08	13.92	18.72	17.22	11.02	10.45	7.32	15.20	22.39	8.54	5.24	16.68
16	18.15	13.25	17.70	17.20	10.84	10.94	7.15	13.98	22.24	8.14	5.40	17.78
17	19.83	12.65	17.18	17.18	10.10	13.20	7.30	13.15	21.90	7.80	5.40	17.73
18	20.58	12.35	16.52	16.78	9.71	14.11	7.75	12.30	21.30	7.70	5.62	17.61
19	20.25	12.05	16.23	16.04	9.96	13.80	8.02	11.90	20.68	7.68	7.40	17.53
20	19.30	11.82	16.18	15.74	9.32	13.35	8.20	11.78	20.07	7.48	8.32	17.93
21	17.75	12.28	16.27	15.28	9.84	13.12	8.18	11.42	19.31	7.30	8.35	18.15
22	16.55	12.32	16.12	15.32	11.32	12.76	8.81	11.00	19.08	7.28	8.04	18.10
23	15.68	12.27	16.27	16.22	11.45	12.70	12.58	10.32	18.61	7.20	7.80	17.23
24	14.90	12.10	16.82	17.22	11.16	12.45	13.50	10.02	17.22	7.18	7.72	16.68
25	14.22	13.50	17.05	17.79	10.99	11.60	14.42	9.67	16.65	7.50	7.62	16.89
26	13.84	15.78	17.39	17.49	10.82	11.40	15.80	9.53	15.81	7.55	7.38	17.40
27	13.58	17.80	17.80	16.82	11.18	11.40	16.88	8.95	14.71	7.35	7.14	17.62
28	13.49	20.08	18.40	16.49	11.90	11.52	17.04	8.55	13.58	7.14	7.05	18.70
29	13.40	21.72	18.40	16.75	-----	11.64	16.28	8.35	12.80	6.78	6.75	19.90
30	13.29	22.70	17.90	17.05	-----	11.02	15.60	8.20	11.90	6.48	6.48	20.28
31	13.18	-----	17.18	17.34	-----	10.11	-----	8.40	-----	6.45	6.66	-----
MAX	20.58	22.70	24.82	17.79	17.30	14.11	17.04	20.90	22.39	11.35	8.35	20.28
MIN	9.58	11.82	16.12	13.72	9.32	7.72	7.10	8.20	9.15	6.45	5.19	8.50

07348700 Bayou Dorcheat near Springhill, La.

LOCATION.--Lat 32°59'40", long 93°23'47", in NE¼NE¼ sec.16, T.23 N., R.10 W., Webster Parish, near left bank on downstream side of bridge on State Highway 157, 0.4 mi (0.6 km) downstream from Crooked Creek, 1.7 mi (2.7 km) downstream from Arkansas-Louisiana State line, and 4.2 mi (6.8 km) southeast of intersection of State Highways 7 and 157 at Springhill, La.

DRAINAGE AREA.--605 mi² (157 km²).

PERIOD OF RECORD.--October 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is 173.91 ft (53.008 m) above mean sea level.

AVERAGE DISCHARGE.--17 years, 555 ft³/s (15.72 m³/s), 12.46 in/yr (316 mm/yr), 402,100 acre-ft/yr (496 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 30,500 ft³/s (864 m³/s) June 10 (gage height, 20.81 ft or 6.343 m, from floodmark); minimum, 15.0 ft³/s (0.42 m³/s) Aug. 28 (gage height, 3.93 ft or 1.198 m).

Period of record: Maximum discharge, 36,400 ft³/s (1,030 m³/s) Apr. 28, 1958 (gage height, 22.79 ft or 6.946 m); no flow Oct. 10-14, 1957.

REMARKS.--Records good above 200 ft³/s (5.66 m³/s) and fair below. See following page for table of daily gage height. Records of water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	182	5,720	1,610	3,190	1,220	622	1,050	478	49	936	1,780
2	121	175	4,370	1,350	2,730	996	721	778	330	42	557	4,960
3	133	209	3,420	1,180	2,210	831	724	480	381	37	225	7,480
4	125	291	5,100	1,060	1,780	672	645	334	492	32	129	5,460
5	114	548	9,740	990	1,500	557	502	310	681	29	104	3,550
6	95	517	12,900	955	1,280	486	334	302	746	36	103	2,590
7	72	563	10,900	959	1,090	435	219	273	780	32	156	2,050
8	54	729	6,820	1,020	949	393	167	240	4,980	37	189	1,690
9	45	882	4,250	1,120	826	359	141	205	20,400	56	152	1,600
10	43	559	2,850	1,440	716	331	127	171	21,900	70	105	1,380
11	45	974	2,110	3,010	633	402	133	149	17,400	114	73	1,210
12	49	951	1,690	4,650	566	880	430	131	8,820	206	53	1,190
13	84	906	1,400	5,750	510	1,030	542	130	4,930	209	43	1,890
14	133	837	1,170	5,220	463	1,040	689	241	3,370	130	37	3,020
15	171	725	1,000	4,360	570	1,120	858	318	2,420	88	33	3,350
16	559	579	869	3,480	731	1,080	982	227	1,870	72	30	3,540
17	1,030	437	749	2,820	861	883	1,020	133	1,520	80	29	3,650
18	1,690	331	650	2,390	1,080	631	934	98	1,260	106	29	3,390
19	2,190	264	645	2,300	1,470	425	746	80	1,040	115	27	2,770
20	2,090	245	823	2,300	1,590	310	465	67	961	105	25	2,430
21	1,710	300	853	2,300	1,740	385	238	56	903	73	24	2,140
22	1,340	342	963	2,470	1,970	459	2,550	53	759	47	22	1,840
23	1,050	459	1,200	2,550	2,160	502	14,300	49	519	34	19	1,510
24	1,040	594	1,910	2,660	2,390	563	19,600	44	300	131	18	1,160
25	831	709	1,730	2,550	2,270	629	17,900	51	182	563	19	1,080
26	577	959	2,660	2,470	2,020	629	6,110	190	134	751	18	1,150
27	331	1,720	2,870	2,550	1,750	577	3,640	169	106	1,490	19	1,350
28	207	4,130	2,910	2,580	1,450	508	2,470	248	85	2,250	16	2,020
29	160	6,900	2,680	2,610	-----	552	1,790	419	69	1,970	23	2,440
30	139	6,860	2,330	2,840	-----	510	1,370	538	59	1,580	210	2,310
31	172	-----	1,940	3,170	-----	496	-----	550	-----	1,210	664	-----
TOTAL	16,476	33,878	99,222	76,714	40,495	19,891	80,969	8,084	97,875	11,744	4,087	75,980
MEAN	531	1,129	3,201	2,475	1,446	642	2,699	261	3,263	379	132	2,533
MAX	2,190	6,900	12,900	5,750	3,190	1,220	19,600	1,050	21,900	2,250	936	7,480
MIN	43	175	645	955	463	310	127	44	59	29	16	1,080
CFSM	.88	1.87	5.29	4.09	2.39	1.06	4.46	.43	5.39	.63	.22	4.19
IN.	1.01	2.08	6.10	4.72	2.49	1.22	4.98	.50	6.02	.72	.25	4.67
AC-FT	32,680	67,200	196,800	152,200	80,320	39,450	160,600	16,030	194,100	23,290	8,110	150,700
CAL YR 1973	TOTAL 460,050	MEAN 1,260	MAX 17,400	MIN 11	CFSM 2.08	IN 28.29	AC-FT 912,500					
WTR YR 1974	TOTAL 565,415	MEAN 1,549	MAX 21,900	MIN 16	CFSM 2.56	IN 34.77	AC-FT 1,122,000					

PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-29	1945	14.98	7,280	4-24	0500	18.35	20,700
12- 6	1345	16.46	13,100	6-10	unknown	20.81	30,500
1-13	0600	14.54	5,870	9- 3	0945	15.25	8,300
1-31	2245	13.46	3,290	9-17	2315	13.75	3,900

RED RIVER BASIN

47

07348700 Bayou Dorcheat near Springhill, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.50	7.16	14.48	12.35	13.40	11.80	9.93	11.47	9.24	4.98	11.06	12.41
2	6.27	7.08	13.96	12.03	13.16	11.33	10.34	10.53	8.38	4.83	9.60	14.20
3	6.46	7.43	13.52	11.75	12.83	10.74	10.35	9.25	8.71	4.69	7.51	15.13
4	6.33	8.11	14.26	11.51	12.51	10.12	10.03	8.42	9.33	4.56	6.40	14.43
5	6.15	9.60	15.58	11.31	12.22	9.64	9.37	8.25	10.17	4.48	5.98	13.62
6	5.83	9.45	16.40	11.20	11.91	9.29	8.41	8.19	10.44	4.67	5.97	13.07
7	5.44	9.67	15.91	11.21	11.57	9.03	7.51	7.97	10.56	4.57	6.80	12.67
8	5.08	10.37	14.83	11.40	11.17	8.79	6.96	7.70	13.66	4.70	7.21	12.35
9	4.89	10.94	13.90	11.64	10.73	8.58	6.60	7.39	18.27	5.11	6.74	12.27
10	4.85	11.21	13.22	12.11	10.31	8.40	6.37	7.03	18.65	5.39	6.00	12.02
11	4.89	11.26	12.76	13.31	9.97	8.79	6.43	6.72	17.52	6.14	5.45	11.80
12	4.98	11.19	12.42	14.07	9.68	10.89	8.98	6.44	15.34	7.38	5.06	11.74
13	5.65	11.03	12.10	14.50	9.41	11.42	9.57	6.41	14.18	7.42	4.83	12.50
14	6.47	10.78	11.74	14.31	9.18	11.44	10.20	7.68	13.50	6.42	4.70	13.34
15	7.02	10.36	11.34	13.96	9.68	11.63	10.85	8.31	12.97	5.71	4.59	13.52
16	9.65	9.74	10.90	13.55	10.37	11.54	11.29	7.56	12.58	5.43	4.48	13.62
17	10.46	9.04	10.45	13.12	10.86	10.94	11.39	6.46	12.26	5.58	4.47	13.68
18	11.37	8.40	10.05	12.94	11.52	9.96	11.13	5.89	11.88	6.03	4.47	13.55
19	12.40	7.90	10.03	12.88	12.20	8.96	10.43	5.57	11.46	6.18	4.40	13.19
20	12.82	7.74	10.73	12.89	12.33	8.25	9.16	5.34	11.22	6.01	4.34	12.96
21	12.75	8.18	10.84	12.88	12.46	8.73	7.65	5.12	11.02	5.46	4.27	12.75
22	12.44	8.47	11.22	13.00	12.66	9.16	11.44	5.06	10.48	4.92	4.18	12.49
23	12.01	9.16	11.77	13.05	12.80	9.38	16.74	4.97	9.44	4.61	4.10	12.17
24	11.46	9.81	12.60	13.12	12.95	9.67	18.08	4.87	8.16	6.05	4.05	11.67
25	10.76	10.29	12.46	13.05	12.87	9.96	16.37	5.01	7.14	9.65	4.07	11.46
26	9.73	11.13	13.12	13.00	12.70	9.96	14.60	7.07	6.49	10.46	4.06	11.65
27	8.40	12.40	13.24	13.05	12.47	9.73	13.62	6.99	6.02	12.00	4.07	11.97
28	7.41	13.83	13.26	13.06	12.18	9.40	12.99	7.73	5.66	12.83	3.96	12.65
29	6.87	14.87	13.13	13.09	-----	9.61	12.52	8.93	5.38	12.61	4.22	12.97
30	6.56	14.85	12.91	13.22	-----	9.42	12.06	9.55	5.17	12.24	6.84	12.88
31	7.04	-----	12.64	13.40	-----	9.35	-----	9.61	-----	11.78	10.01	-----
MAX	12.82	14.87	16.40	14.50	13.40	11.80	18.08	11.47	18.65	12.83	11.06	15.13
MIN	4.85	7.08	10.03	11.20	9.18	8.25	6.37	4.87	5.17	4.48	3.96	11.46

07348800 Flat Lick Bayou near Leton, La.

LOCATION.--Lat 32°46'11", long 93°15'58", in NW¼ sec.35, T. 21 N., R.9 W., Webster Parish, near left bank on downstream side of bridge on State Highway 159, 0.5 mi (0.8 km) downstream from Cypress Creek, 6 mi (10 km) upstream from mouth, and 6.5 mi (10.5 km) south of Leton.

DRAINAGE AREA.--66.9 mi² (173 km²).

PERIOD OF RECORD.--Annual maximums, water years 1954-56 and occasional low-flow measurements, water years 1955-56. October 1956 to current year.

GAGE.--Water-stage recorder. Datum of gage is 182.79 ft (55.714 m) above mean sea level. Nov. 9, 1953, to Sept. 13, 1956, crest-stage gage at datum 35.21 ft (10.732 m) lower.

AVERAGE DISCHARGE.--18 years, 58.7 ft³/s (1.662 m³/s), 11.92 in/yr (303 mm/yr), 42,530 acre-ft/yr (52.4 hm³).

EXTREMES.--Current year: Maximum discharge, 3,220 ft³/s (91.3 m³/s) Jan. 11 (gage height, 10.22 ft or 3.115 m); minimum, 0.42 ft³/s (0.012 m³/s) Aug. 20, 21, 24, 25; minimum gage height, 1.58 ft (0.482 m) Aug. 20, 21, 24, 25.

Period of record: Maximum discharge, 10,200 ft³/s (289 m³/s) Apr. 26, 1958 (gage height, 12.95 ft or 3.947 m), from rating curve extended above 4,200 ft³/s (119 m³/s) by velocity-area study; no flow at times in 1957-58, 1960, 1963-72.

REMARKS.--Records fair. See following page for table of daily gage height. Records of water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.9	6.6	200	105	142	75	58	49	397	3.7	.83	428
2	1.9	6.3	300	91	118	67	42	56	318	3.5	.79	368
3	1.6	6.6	1,500	115	98	60	34	40	134	3.1	.75	115
4	1.4	59	1,000	152	79	53	25	28	52	2.7	.71	39
5	1.3	269	500	145	69	47	21	111	203	3.0	.63	19
6	.99	152	300	147	66	43	18	169	165	2.5	.60	12
7	.95	110	200	147	60	39	17	114	210	2.4	.60	9.2
8	.83	80	150	130	53	35	15	49	972	9.7	.63	21
9	.71	60	100	110	47	32	13	32	981	8.3	.79	172
10	.64	40	70	658	42	32	12	22	534	5.6	.71	186
11	.64	30	49	1,920	40	228	38	22	256	4.4	.67	121
12	.95	25	46	809	38	550	241	28	96	3.7	.60	55
13	2.0	20	42	503	36	418	177	21	63	3.1	.60	229
14	3.6	15	36	347	36	263	95	14	45	2.6	.54	272
15	6.3	12	31	259	1,050	108	49	12	34	2.2	.54	255
16	39	11	27	212	1,080	74	33	11	30	1.8	.54	105
17	42	10	24	159	577	57	23	9.0	25	1.4	.51	169
18	32	12	22	124	375	49	18	7.6	27	1.4	.51	823
19	17	50	54	344	471	45	15	6.7	23	1.1	.51	548
20	11	150	124	904	445	40	13	6.3	17	.95	.48	183
21	7.0	100	104	621	1,080	83	11	8.0	13	.95	.42	61
22	4.7	60	73	385	1,310	68	639	43	11	.99	.51	40
23	4.0	50	58	361	590	51	1,150	65	8.8	.91	.48	27
24	3.3	60	855	1,490	331	40	553	30	7.8	1.6	.42	21
25	2.7	150	937	1,350	168	44	219	14	6.7	1.9	.42	175
26	2.5	300	600	751	113	42	80	86	5.9	1.2	.48	405
27	2.3	500	403	604	96	39	52	187	5.2	1.0	.79	380
28	2.3	400	248	618	85	51	39	176	4.7	.99	1.3	153
29	1.9	300	152	506	-----	233	30	46	4.4	.87	2.5	73
30	1.8	250	108	339	-----	196	28	24	4.0	.79	3.9	50
31	7.5	-----	95	227	-----	111	-----	110	-----	.79	95	-----
TOTAL	206.71	3,294.5	8,408	14,633	8,695	3,273	3,758	1,596.6	4,653.5	79.14	118.76	5,514.2
MEAN	6.67	110	271	472	311	106	125	51.5	155	2.55	3.83	184
MAX	42	500	1,500	1,920	1,310	550	1,150	187	981	9.7	95	823
MIN	.64	6.3	22	91	36	32	11	6.3	4.0	.79	.42	9.2
CFSM	.10	1.64	4.05	7.06	4.65	1.58	1.87	.77	2.32	.04	.06	2.75
IN.	.11	1.83	4.68	8.14	4.83	1.82	2.09	.89	2.59	.04	.07	3.07
AC-FT	410	6,530	16,680	29,020	17,250	6,490	7,450	3,170	9,230	157	236	10,940
CAL YR 1973	TOTAL 39,955.16	MEAN 109	MAX 2,270	MIN .20	CFSM 1.63	IN 22.22	AC-FT 79,250					
WTR YR 1974	TOTAL 54,230.41	MEAN 149	MAX 1,920	MIN .42	CFSM 2.23	IN 30.16	AC-FT 107,600					

PEAK DISCHARGE (BASE, 500 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
11-27	unknown	unknown	about 600	2-15	1015	9.38	1,770
12- 3	unknown	9.20	1,510	2-21	1615	9.78	2,410
12-24	0830	9.30	1,650	3-12	1145	8.45	685
1-11	0130	10.22	3,220	4-23	0430	9.30	1,650
1-20	1230	8.91	1,120	6- 8	2245	9.30	1,650
1-24	1515	9.97	2,750	9-18	1115	8.86	1,060

RED RIVER BASIN

49

07348800 Flat Lick Bayou near Leton, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.95	2.47	--	5.00	5.64	4.41	4.04	3.84	7.49	2.22	1.70	7.60
2	1.95	2.45	--	4.72	5.25	4.25	3.67	4.00	7.15	2.19	1.69	7.36
3	1.89	2.47	--	5.19	4.87	4.09	3.46	3.62	5.35	2.14	1.68	5.07
4	1.85	4.06	--	5.80	4.49	3.93	3.23	3.29	3.91	2.08	1.67	3.59
5	1.82	6.90	--	5.72	4.29	3.79	3.09	5.09	6.24	2.12	1.65	3.04
6	1.76	5.80	--	5.74	4.23	3.69	3.00	5.99	5.93	2.05	1.64	2.77
7	1.75	5.11	--	5.74	4.09	3.58	2.95	5.12	5.66	2.04	1.64	2.63
8	1.72	--	--	5.46	3.93	3.47	2.90	3.84	8.81	2.50	1.65	2.94
9	1.69	--	--	5.10	3.79	3.39	2.81	3.39	8.81	2.57	1.69	6.00
10	1.67	--	--	8.34	3.68	3.39	2.77	3.13	7.97	2.40	1.67	6.16
11	1.67	--	3.84	9.62	3.60	5.87	3.32	3.13	6.68	2.29	1.66	5.21
12	1.75	--	3.76	8.63	3.55	8.00	6.64	3.29	4.83	2.22	1.64	3.98
13	1.97	--	3.67	7.88	3.52	7.57	6.06	3.09	4.15	2.14	1.64	6.29
14	2.20	--	3.52	7.29	3.49	6.73	4.80	2.87	3.74	2.06	1.62	6.91
15	2.45	--	3.38	6.82	8.35	5.05	3.83	2.75	3.45	1.99	1.62	6.77
16	3.59	--	3.27	6.41	8.93	4.38	3.42	2.70	3.35	1.92	1.62	4.96
17	3.68	--	3.18	5.88	8.09	4.02	3.17	2.62	3.22	1.83	1.61	5.29
18	3.39	--	3.14	5.35	7.40	3.84	3.01	2.54	3.28	1.82	1.61	8.60
19	2.97	--	3.95	7.28	7.76	3.74	2.89	2.48	3.15	1.77	1.61	8.00
20	2.70	--	5.35	8.75	7.68	3.61	2.79	2.45	2.97	1.73	1.59	5.93
21	2.50	--	4.98	8.24	8.59	4.56	2.73	2.52	2.82	1.73	1.58	4.12
22	2.33	--	4.38	7.45	9.13	4.27	6.85	3.68	2.70	1.74	1.61	3.63
23	2.25	--	4.05	7.35	8.13	3.88	9.00	4.20	2.61	1.72	1.60	3.28
24	2.16	--	8.69	9.32	7.18	3.61	8.02	3.35	2.55	1.86	1.58	3.08
25	2.08	--	8.79	9.20	5.95	3.73	6.33	2.86	2.48	1.93	1.58	5.27
26	2.05	--	8.18	8.55	5.15	3.67	4.51	4.51	2.42	1.79	1.60	7.53
27	2.02	--	7.52	8.19	4.81	3.59	3.91	6.15	2.37	1.75	1.69	7.41
28	2.01	--	6.73	8.23	4.60	3.78	3.58	5.92	2.33	1.74	1.80	5.66
29	1.94	--	5.80	7.89	-----	6.59	3.35	3.75	2.29	1.71	2.02	4.37
30	1.92	--	5.06	7.33	-----	6.26	3.28	3.20	2.25	1.69	2.22	3.86
31	2.53	-----	4.81	6.52	-----	5.08	-----	4.27	-----	1.69	3.80	-----
MAX	3.68	--	--	9.62	9.13	8.00	9.00	6.15	8.81	2.57	3.80	8.60
MIN	1.67	2.45	3.14	4.72	3.49	3.39	2.73	2.45	2.25	1.69	1.58	2.63

07349000 Bayou Dorcheat near Minden, La.

LOCATION.--Lat 32°35'55", long 93°19'59", in NW¼ sec.31, T.19 N., R.9 W., Webster Parish, on left bank 500 ft (152 m) upstream from bridge on U. S. Highway 80, 0.7 mi (1.1 km) upstream from Louisiana and Arkansas Railway Co. bridge, 3.0 mi (4.8 km) west of Minden, and 28 mi (45 km) upstream from Bistineau Dam.

DRAINAGE AREA.--1,097 mi² (2,841 km²).

PERIOD OF RECORD.--July 1928 to September 1931, October 1936 to current year. Monthly discharge only for some periods, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 133.75 ft (40.767 m) above mean sea level (levels by Corps of Engineers). Prior to Mar. 1, 1940, nonrecording gage at same site and datum. Since July 29, 1953, supplementary water-stage recorder 4.6 mi (7.4 km) upstream from base gage at different datum used for low stages.

AVERAGE DISCHARGE.--41 years, 1,115 ft³/s (31.58 m³/s), 13.80 in/yr (351 mm/yr), 807,800 acre-ft/yr (996 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 27,300 ft³/s (773 m³/s) June 12 (gage height, 23.31 ft or 7.105 m); minimum daily discharge, 23 ft³/s (0.65 m³/s) Aug. 26, 27; minimum gage height, 7.19 ft (2.192 m) Aug. 25.

Period of record: Maximum discharge, 44,800 ft³/s (1,270 m³/s) May 1, 1958 (gage height, 24.90 ft or 7.590 m); no flow at times in 1954, 1956, 1964, 1969, 1970, and 1972.

REMARKS.--Records fair. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1211: Drainage area. WSP 1241: 1941.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
1	143	629	2,580	4,500	5,870	3,940	1,240	5,340	1,260	200	1,230	323		
2	124	584	4,450	4,270	5,400	3,540	1,160	4,420	1,290	150	1,400	750		
3	108	564	6,810	4,080	5,140	3,160	1,080	3,720	1,300	100	1,430	1,120		
4	101	822	8,690	3,860	4,910	2,810	971	3,070	1,330	90	1,300	1,420		
5	115	1,790	10,500	3,610	4,610	2,450	926	2,560	2,060	120	995	2,030		
6	133	1,940	12,400	3,370	4,240	2,060	908	2,190	2,160	130	600	3,930		
7	137	1,720	13,900	3,150	3,820	1,700	890	1,820	2,030	110	500	5,770		
8	129	1,560	14,900	2,950	3,360	1,340	786	1,410	2,790	100	400	5,490		
9	113	1,480	14,000	2,790	2,940	1,090	665	1,100	3,250	90	300	5,060		
10	94	1,360	11,500	2,920	2,540	935	572	876	3,960	80	250	4,420		
11	76	1,260	9,040	4,340	2,160	1,320	588	700	18,200	70	200	3,900		
12	62	1,220	7,160	6,760	1,840	2,250	809	600	27,100	67	150	3,420		
13	65	1,160	5,840	8,140	1,540	2,410	944	500	22,500	65	100	3,350		
14	90	1,120	4,850	8,590	1,330	2,300	1,020	400	16,300	80	80	3,300		
15	145	1,100	4,120	8,750	1,900	2,240	1,120	300	11,600	100	60	3,100		
16	380	1,050	3,480	8,440	3,300	2,380	1,200	250	8,360	130	45	3,080		
17	665	1,010	2,930	7,750	4,080	2,540	1,210	250	6,400	100	40	3,390		
18	814	962	2,480	6,940	4,210	2,550	1,200	250	5,240	80	35	4,160		
19	990	881	2,160	6,520	4,330	2,380	1,180	200	4,320	75	33	5,000		
20	1,120	819	2,030	6,840	4,190	2,100	1,160	200	3,740	70	32	5,710		
21	1,190	755	1,860	6,990	4,290	1,860	1,140	180	3,540	65	31	5,800		
22	1,260	674	1,770	6,680	5,000	1,500	1,140	200	2,580	65	29	5,290		
23	1,390	629	1,760	6,380	5,900	1,220	1,480	300	2,070	65	26	4,580		
24	1,540	634	2,310	7,180	6,030	1,070	2,130	400	1,630	100	26	3,950		
25	1,660	647	3,200	8,670	5,730	1,060	6,090	400	1,300	150	24	3,540		
26	1,700	814	3,900	9,040	5,230	1,080	15,200	556	940	200	23	3,310		
27	1,630	1,110	4,200	8,340	4,770	1,060	16,800	592	600	300	23	3,020		
28	1,430	1,420	4,420	7,970	4,250	1,040	12,200	674	500	400	24	2,800		
29	1,140	1,720	4,620	7,360	-----	1,130	8,930	863	400	600	28	2,640		
30	845	2,040	4,700	6,790	-----	1,200	6,720	912	300	773	35	2,520		
31	714	-----	4,660	6,290	-----	1,240	-----	904	-----	985	74	-----		
TOTAL	20,103	33,473	181,220	190,260	112,910	58,975	91,459	36,137	159,050	5,710	9,523	106,173		
MEAN	648	1,115	5,846	6,137	4,033	1,902	3,049	1,166	5,302	184	307	3,539		
MAX	1,700	2,040	14,900	9,040	6,030	3,940	16,800	5,340	27,100	985	1,430	5,800		
MIN	62	564	1,760	2,790	1,330	935	572	180	300	65	23	323		
CFSM	.59	1.02	5.33	5.59	3.68	1.73	2.78	1.06	4.83	.17	.28	3.23		
IN.	.68	1.14	6.15	6.45	3.83	2.00	3.10	1.23	5.39	.19	.32	3.60		
AC-FT	39,870	66,390	359,400	377,400	224,000	117,000	181,400	71,680	315,500	11,330	18,890	210,600		
CAL YR 1973	TOTAL	798,705	MEAN	2,188	MAX	18,600	MIN	11	CFSM	1.99	IN	27.08	AC-FT	1,584,000
WTR YR 1974	TOTAL	1,004,993	MEAN	2,753	MAX	27,100	MIN	23	CFSM	2.51	IN	34.07	AC-FT	1,993,400

07349000 Bayou Dorcheat near Minden, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.42	8.02	11.58	13.90	15.23	13.29	9.33	14.74	9.35	7.54	9.30	7.69
2	7.40	7.91	13.85	13.66	14.80	12.85	9.17	13.82	9.41	7.50	9.62	8.29
3	7.39	7.86	16.06	13.45	14.54	12.39	9.00	13.05	9.43	7.45	9.68	9.07
4	7.37	8.45	17.43	13.20	14.31	11.92	8.78	12.27	9.49	7.42	9.44	9.65
5	7.34	10.31	18.43	12.92	14.01	11.38	8.68	11.55	10.77	7.43	8.83	10.72
6	7.35	10.57	19.26	12.65	13.62	10.76	8.64	10.99	10.94	7.45	8.04	13.28
7	7.36	10.20	19.77	12.37	13.15	10.16	8.60	10.36	10.71	7.42	7.68	15.14
8	7.36	9.91	20.04	12.12	12.64	9.50	8.37	9.63	11.89	7.42	7.59	14.88
9	7.35	9.76	19.80	11.88	12.10	9.02	8.10	9.04	12.50	7.40	7.56	14.46
10	7.34	9.55	18.91	12.07	11.52	8.70	7.88	8.57	13.26	7.37	7.53	13.82
11	7.34	9.35	17.65	13.73	10.94	9.45	7.92	8.24	20.73	7.36	7.49	13.24
12	7.34	9.27	16.35	16.02	10.40	11.07	8.42	8.04	23.19	7.32	7.46	12.71
13	7.38	9.16	15.18	17.07	9.87	11.33	8.72	7.92	22.41	7.31	7.41	12.63
14	7.41	9.09	14.25	17.37	9.49	11.16	8.88	7.84	20.80	7.34	7.38	12.56
15	7.50	9.05	13.49	17.47	10.50	11.06	9.07	7.74	18.98	7.42	7.35	12.31
16	7.78	8.94	12.78	17.27	12.56	11.27	9.23	7.69	17.22	7.44	7.34	12.29
17	8.03	8.86	12.08	16.80	13.44	11.52	9.26	7.71	15.75	7.40	7.33	12.68
18	8.43	8.76	11.43	16.17	13.59	11.54	9.25	7.72	14.64	7.38	7.30	13.53
19	8.82	8.58	10.93	15.82	13.72	11.28	9.21	7.68	13.71	7.34	7.29	14.40
20	9.08	8.44	10.72	16.08	13.57	10.84	9.16	7.59	13.07	7.32	7.30	15.08
21	9.22	8.30	10.44	16.21	13.68	10.43	9.11	7.47	12.85	7.32	7.26	15.16
22	9.37	8.12	10.28	15.95	14.40	9.80	9.12	7.67	11.59	7.31	7.25	14.69
23	9.60	8.02	10.26	15.69	15.25	9.28	9.76	7.65	10.79	7.31	7.24	13.98
24	9.87	8.03	11.17	16.37	15.37	8.98	10.89	7.62	10.03	7.36	7.22	13.30
25	10.09	8.06	12.44	17.42	15.10	9.00	15.43	7.59	9.43	7.42	7.21	12.84
26	10.17	8.43	13.25	17.65	14.63	9.01	20.13	7.84	8.71	7.43	7.22	12.57
27	10.04	9.06	13.58	17.21	14.17	8.96	20.51	7.93	8.16	7.54	7.23	12.21
28	9.67	9.65	13.82	16.96	13.73	8.92	19.20	8.12	7.83	7.78	7.23	11.90
29	9.11	10.20	14.02	16.51	-----	9.10	17.58	8.54	7.69	8.01	7.27	11.67
30	8.50	10.73	14.10	16.04	-----	9.23	15.98	8.65	7.61	8.34	7.31	11.50
31	8.21	-----	14.06	15.61	-----	9.33	-----	8.63	-----	8.81	7.38	-----
MAX	10.17	10.73	20.04	17.65	15.37	13.29	20.51	14.74	23.19	8.81	9.68	15.16
MIN	7.34	7.86	10.26	11.88	9.49	8.70	7.88	7.47	7.61	7.31	7.21	7.69

07349250 Lake Bistineau near Ringgold, La.

LOCATION.---Lat 32°19'46", long 93°26'10", in sec.31, T.16 N., R.10 W., Bossier Parish, 40 ft (12 m) above dam near right bank on upstream side of bridge on State Highway 154, 8.5 mi (13.7 km) west of Ringgold city limits, and 17.0 mi (27.4 km) upstream from mouth.

DRAINAGE AREA.--1,443 mi² (3,737 km²).

PERIOD OF RECORD.--October 1968 to current year (gage heights only).

GAGE.--Water-stage recorder and concrete dam. Datum of gage is 130.00 ft (39.624 m) above mean sea level (levels by Louisiana Department of Public Works).

EXTREMES.--Current year: Maximum gage height, 14.53 ft (4.429 m) June 15; minimum, 10.17 ft (3.100 m) Sept. 7.
Period of record: Maximum gage height, 14.53 ft (4.429 m) June 15, 1974; minimum, 5.00 ft (1.524 m) Oct. 14, 1970.

REMARKS.--Reservoir is formed by an earthfill dam containing a 1,200-ft (366 m) concrete spillway equipped with twelve gates that are 6.0 ft (1.829 m) long and 5.0 ft (1.524 m) high. The flat-crested spillway is 1.75 ft (0.533 m) thick. Built onto the spillway is a fish ladder that is 4 ft (1.219 m) wide and begins flowing at 4.1 ft (1.250 m) gage height. Dam completed in 1935 and enlarged in 1951. Capacity, 120,000 acre-ft (148 hm³) at 11 ft (3.353 m) gage height. Reservoir is used for flood control and conservation.

REVISIONS.--WRD 1971: Drainage area.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.12	11.42	11.70	12.15	12.72	12.19	11.57	12.73	11.70	11.22	11.32	11.20
2	11.10	11.37	11.76	12.12	12.54	12.12	11.57	12.45	11.72	11.18	11.40	11.27
3	11.08	11.35	12.00	12.30	12.42	12.06	11.53	12.27	11.68	11.15	11.45	11.08
4	11.08	11.40	12.53	12.26	12.31	12.02	11.53	12.13	11.62	11.13	11.49	10.65
5	11.08	11.72	12.85	12.18	12.23	11.98	11.49	12.08	11.81	11.15	11.50	10.40
6	11.06	11.84	13.06	12.16	12.20	11.89	11.44	11.98	11.90	11.14	11.45	10.22
7	11.05	11.88	13.23	12.11	12.16	11.83	11.38	11.88	11.93	11.13	11.37	10.23
8	11.05	11.84	13.43	12.05	12.08	11.75	11.43	11.78	12.00	11.12	11.31	10.46
9	11.04	11.78	13.61	11.00	11.99	11.68	11.40	11.67	12.22	11.12	11.27	10.73
10	11.04	11.68	13.68	11.00	11.93	11.63	11.32	11.57	12.25	11.10	11.24	10.80
11	11.05	11.60	13.57	11.20	11.88	11.73	11.34	11.52	12.29	11.09	11.21	10.83
12	11.05	11.56	13.28	11.41	11.79	12.11	11.57	11.44	12.95	11.09	11.19	10.82
13	11.13	11.52	13.00	11.55	11.73	12.18	11.66	11.33	13.72	11.07	11.17	10.86
14	11.15	11.51	12.63	11.65	11.74	12.10	11.64	11.29	14.35	11.06	11.14	10.85
15	11.13	11.50	12.38	11.71	11.87	12.01	11.60	11.28	14.49	11.09	11.12	10.77
16	11.20	11.50	12.20	11.73	12.08	11.96	11.57	11.24	14.30	11.11	11.10	10.68
17	11.23	11.46	12.04	11.71	12.26	11.88	11.54	11.22	13.92	11.12	11.09	10.60
18	11.27	11.45	11.91	12.67	12.29	11.84	11.51	11.22	13.45	11.10	11.07	10.52
19	11.32	11.43	11.94	12.71	12.34	11.84	11.49	11.22	12.96	11.09	11.06	10.52
20	11.37	11.46	11.94	12.84	12.33	11.87	11.47	11.20	12.55	11.08	11.08	10.59
21	11.40	11.44	11.85	12.83	12.51	11.92	11.47	11.24	12.27	11.06	11.07	10.75
22	11.43	11.43	11.79	12.75	12.76	11.83	11.57	11.34	12.07	11.07	11.05	10.89
23	11.45	11.35	11.75	12.70	12.71	11.77	11.63	11.31	11.95	11.05	11.04	10.99
24	11.47	11.35	11.86	13.17	12.63	11.73	11.67	11.27	11.83	11.09	11.02	11.00
25	11.52	11.40	11.98	13.62	12.52	11.64	11.73	11.23	11.70	11.11	11.01	11.08
26	11.54	11.43	12.14	13.68	12.39	11.60	12.12	11.34	11.61	11.12	11.00	11.05
27	11.57	11.55	12.19	13.61	12.31	11.57	12.77	11.40	11.51	11.15	10.98	10.95
28	11.58	11.63	12.15	13.69	12.25	11.55	13.13	11.38	11.42	11.15	10.96	10.82
29	11.54	11.64	12.17	13.58	-----	11.54	13.16	11.36	11.33	11.18	11.01	10.71
30	11.48	11.66	12.14	13.31	-----	11.56	12.99	11.37	11.28	11.25	11.05	10.57
31	11.54	-----	12.17	13.00	-----	11.53	-----	11.47	-----	11.27	11.10	-----
MAX	11.58	11.88	13.68	13.69	12.76	12.19	13.16	12.73	14.49	11.27	11.50	11.27
MIN	11.04	11.35	11.70	11.00	11.73	11.53	11.32	11.20	11.28	11.05	10.96	10.22

07349500 Bodcau Bayou near Sarepta, La.

LOCATION.--Lat 32°54'18", long 93°28'58", in NW¼ sec.15, T.22 N., R.11 W., Bossier-Webster Parish line, on left bank on downstream side of bridge on State Highway 2, 2.1 mi (3.4 km) northwest of Sarepta, and 9.5 mi (15.3 km) upstream from Caney Creek.

DRAINAGE AREA.--546 mi² (1,410 km²).

PERIOD OF RECORD.--October 1938 to current year. Prior to October 1958, published as Bayou Bodcau near Sarepta.

GAGE.--Water-stage recorder. Datum of gage is 173.91 ft (53.008 m) above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--36 years, 576 ft³/s (16.31 m³/s), 417,300 acre-ft/yr (515 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 8,440 ft³/s (239 m³/s) Dec. 5; maximum gage height, 20.64 ft (6.291 m) Dec. 6; minimum discharge, 4.7 ft³/s (0.13 m³/s) Aug. 8 (gage height, 1.89 ft or 0.576 m).

Period of record: Maximum discharge, 18,600 ft³/s (527 m³/s) May 2, 1958 (gage height, 25.14 ft or 8.230 m); minimum, 0.1 ft³/s (0.003 m³/s) at times in 1939, 1943, 1952, and 1954; minimum gage height, 1.43 ft (0.436 m) Aug. 14-19, 1954.

Flood of May 22, 23, 1930, exceeded 25 ft (7.620 m) and flood in 1905 may have reached a stage of 27 ft (8.230 m), from information by local residents.

REMARKS.--Records good. Water used by paper mill at Springhill is pumped from wells and discharged later as waste into bayou approximately 8 mi (13 km) above station. This discharge is not continuous but is stored in a reservoir and is released whenever the flow of bayou is sufficient to dilute effluent from mill. Some diversion and regulation by Lake Erling (usable capacity, 79,000 acre-ft or 97.4 hm³) 15 mi (24 km) upstream. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

REVISIONS.--WSP 1211: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74	773	3,990	2,040	2,520	1,050	508	1,620	314	150	14	1,050
2	28	719	3,960	1,970	2,380	980	448	1,360	477	100	28	1,150
3	23	680	4,290	1,910	2,200	930	343	1,180	454	90	27	1,080
4	45	719	5,970	1,850	2,070	877	228	1,010	315	70	24	974
5	20	841	8,050	1,810	1,910	828	192	859	431	80	17	933
6	25	897	7,850	1,750	1,750	794	204	716	573	90	13	1,710
7	21	928	7,110	1,660	1,600	784	214	586	738	70	7.8	2,210
8	20	907	6,630	1,560	1,470	764	203	477	1,700	50	9.6	2,400
9	14	870	6,350	1,470	1,350	704	232	369	4,840	40	13	2,480
10	11	832	5,410	1,580	1,240	617	275	264	6,220	30	45	2,450
11	13	807	4,360	2,350	1,140	626	235	214	6,160	25	52	2,320
12	22	794	3,490	2,870	1,030	800	350	166	6,120	20	37	2,130
13	58	796	2,960	3,030	928	948	456	151	6,170	15	15	2,120
14	100	802	2,460	2,870	868	1,030	412	126	6,040	10	8.4	2,160
15	228	788	2,170	2,720	959	982	279	120	5,510	9.0	17	2,250
16	686	753	1,910	2,730	1,020	849	154	67	4,460	10	12	2,240
17	689	701	1,680	2,830	1,050	697	89	61	3,700	11	13	2,190
18	823	661	1,450	2,800	1,090	563	61	49	3,030	22	13	2,270
19	917	640	1,340	2,830	1,160	549	70	49	2,620	16	15	2,510
20	959	658	1,310	2,930	1,140	541	39	57	2,150	12	23	2,510
21	982	707	1,320	3,030	1,240	559	27	72	1,810	19	27	2,290
22	1,010	759	1,420	3,020	1,410	597	393	100	1,510	21	38	2,020
23	1,060	799	1,440	2,850	1,530	664	5,480	46	1,000	21	19	1,740
24	1,110	808	1,580	2,780	1,540	662	7,960	23	900	114	14	1,470
25	1,150	800	1,690	2,690	1,400	629	6,260	22	700	159	13	1,320
26	1,170	1,000	1,940	2,620	1,270	594	4,710	303	500	136	14	1,290
27	1,140	1,390	2,130	2,580	1,200	523	3,540	361	400	94	17	1,400
28	1,070	2,500	2,190	2,670	1,140	473	2,760	249	300	54	23	1,540
29	999	3,480	2,190	2,690	-----	492	2,230	145	250	63	53	1,550
30	914	3,790	2,150	2,690	-----	525	1,930	60	200	45	212	1,460
31	864	-----	2,100	2,630	-----	530	-----	84	-----	14	502	-----
TOTAL	16,245	31,599	102,890	75,810	39,605	22,161	40,282	10,966	69,592	1,660.0	1,335.8	55,217
MEAN	524	1,053	3,319	2,445	1,414	715	1,343	354	2,320	53.5	43.1	1,841
MAX	1,170	3,790	8,050	3,030	2,520	1,050	7,960	1,620	6,220	159	502	2,510
MIN	11	640	1,310	1,470	868	473	27	22	200	9.0	7.8	933
AC-FT	32,220	62,680	204,100	150,400	78,560	43,960	79,900	21,750	138,000	3,290	2,650	109,500
CAL YR 1973	TOTAL 417,012.8	MEAN 1,143	MAX 8,070	MIN 3.1	AC-FT 827,100							
WTR YR 1974	TOTAL 467,362.8	MEAN 1,280	MAX 8,050	MIN 7.8	AC-FT 927,000							

PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 5	1600	-----	8,440	4-24	0700	-----	8,420
12- 6	0045	20.64	-----	4-24	1415	20.50	-----
1-13	0245	16.34	3,120	6-10	1000	-----	6,320
1-21	1730	16.35	3,130	6-11	0545	19.33	-----

RED RIVER BASIN

07349500 Bodcau Bayou near Sarepta, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.64	10.04	17.38	14.79	15.63	11.62	8.25	13.75	6.65	--	2.26	11.63
2	2.67	9.70	17.35	14.62	15.41	11.27	7.80	13.03	8.02	--	2.67	12.14
3	2.53	9.44	17.36	14.48	15.12	10.99	6.93	12.28	7.84	--	2.63	11.81
4	3.08	9.70	18.65	14.34	14.84	10.69	5.80	11.44	6.67	--	2.56	11.23
5	2.44	10.47	20.25	14.24	14.48	10.38	5.38	10.57	7.66	--	2.36	11.01
6	2.59	10.81	20.52	14.09	14.09	10.18	5.53	9.68	8.72	--	2.22	13.41
7	2.46	10.99	20.01	13.85	13.70	10.12	5.64	8.81	9.80	--	2.03	15.14
8	2.44	10.87	19.67	13.60	13.35	9.99	5.52	8.02	13.34	--	2.09	15.46
9	2.27	10.65	19.46	13.35	12.98	9.60	5.84	7.16	17.21	--	2.22	15.56
10	2.17	10.42	18.97	13.60	12.55	9.02	6.30	6.19	19.08	--	3.04	15.53
11	2.21	10.26	18.09	15.07	12.06	9.08	5.87	5.64	19.31	--	3.25	15.33
12	2.50	10.18	17.12	16.10	11.51	10.21	7.00	5.05	19.28	--	2.91	14.97
13	3.31	10.19	16.33	16.30	10.98	11.09	7.86	4.85	19.32	--	2.27	14.96
14	4.08	10.23	15.67	16.10	10.64	11.53	7.52	4.50	19.22	--	2.05	15.06
15	5.46	10.14	15.08	15.90	11.15	11.28	6.33	4.39	18.79	--	2.34	15.22
16	9.48	9.92	14.48	15.92	11.45	10.52	4.88	3.53	18.12	--	2.18	15.21
17	9.50	9.58	13.89	16.02	11.62	9.55	3.90	3.42	17.33	2.13	2.23	15.11
18	10.36	9.31	13.29	16.01	11.84	8.65	3.43	3.17	16.52	2.50	2.24	15.25
19	10.93	9.17	12.97	16.05	12.18	8.55	3.58	3.17	15.76	2.32	2.28	15.61
20	11.16	9.29	12.89	16.17	12.07	8.49	2.94	3.34	15.01	2.18	2.52	15.61
21	11.28	9.62	12.91	16.30	12.55	8.62	2.65	3.60	14.24	2.41	2.63	15.28
22	11.42	9.96	13.20	16.29	13.17	8.88	6.68	4.08	13.47	2.48	2.93	14.73
23	11.66	10.21	13.25	16.07	13.52	9.33	16.52	3.08	--	2.46	2.42	14.06
24	11.92	10.27	13.64	15.99	13.53	9.32	20.28	2.54	--	4.11	2.27	13.34
25	12.12	10.22	13.95	15.85	13.15	9.10	19.83	2.50	--	4.96	2.23	12.91
26	12.21	11.34	14.55	15.77	12.72	8.85	18.56	6.41	--	4.64	2.27	12.82
27	12.08	12.86	14.99	15.71	12.35	8.36	17.32	7.10	--	3.98	2.35	13.14
28	11.76	15.19	15.12	15.84	12.06	7.99	16.22	6.02	--	3.27	2.54	13.55
29	11.36	16.49	15.12	15.86	-----	8.13	15.33	4.76	--	3.44	3.24	13.57
30	10.90	17.17	15.03	15.86	-----	8.38	14.52	3.39	--	3.05	5.47	13.33
31	10.61	-----	14.92	15.77	-----	8.41	-----	3.78	-----	2.25	8.10	-----
MAX	12.21	17.17	20.52	16.30	15.63	11.62	20.28	13.75	19.32	4.96	8.10	15.61
MIN	2.17	9.17	12.89	13.35	10.64	7.99	2.65	2.50	--	--	2.03	11.01

07349800 Cypress Bayou near Benton, La.

LOCATION.--Lat 32°42'24", long 93°41'17", in NW¼SW¼ sec.23, T.20 N., R.13 W., Bossier Parish, near left bank on downstream side of bridge on State Highway 162, 1.7 mi (2.7 km) upstream from Little Caney Bayou, and 3.1 mi (5.0 km) east of Benton.

DRAINAGE AREA.--133 mi² (344 km²).

PERIOD OF RECORD.--October 1955 to October 1968, May 1969 to current year. Nov. 8, 1938, to Nov. 30, 1946, and Jan. 29, 1948, to Oct. 31, 1952, daily gage heights and occasional discharge measurements in files of Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder. Datum of the gage is 165.98 ft (50.591 m) above mean sea level (authority, Corps of Engineers).

AVERAGE DISCHARGE.--18 years (1955-68, 1969-74), 101 ft³/s (2.860 m³/s), 10.31 in/yr (262 mm/yr), 73,170 acre-ft/yr (90.2 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 4,080 ft³/s (116 m³/s) Dec. 5 (gage height, 12.56 ft or 3.828 m); minimum daily discharge, 0.02 ft³/s (0.001 m³/s) Aug. 13; minimum gage height, 2.03 ft (0.619 m) July 18.

Period of record: Maximum discharge, 8,350 ft³/s (236 m³/s) Apr. 27, 1958 (gage height, 15.18 ft or 4.627 m); no flow for long periods of most years.

REMARKS.--Records good except those for periods of no gage-height record and indefinite stage-discharge relation, which are poor. Since October 1961, flow regulated by 3 flood-control reservoirs above station (combined capacity of reservoirs, 1,784 acre-ft or 2.20 hm³). See following page for table of daily gage height. Records of water temperatures for the water year 1974 are published in Part 2 of this report.

REVISIONS.--WSP 1561: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.0	102	821	208	585	192	78	68	214	.30	.20	267
2	2.0	150	560	179	458	173	57	105	401	.21	.07	791
3	1.0	91	501	221	362	156	47	153	276	.18	11	1,210
4	.50	203	2,100	348	309	140	39	112	81	.14	38	779
5	.20	428	3,880	404	246	122	33	143	51	.28	3.0	403
6	.15	463	2,400	422	206	108	28	86	71	.20	24	126
7	.50	418	1,360	394	199	97	25	79	102	.13	6.0	62
8	2.0	239	952	359	190	86	23	54	331	.17	.05	44
9	8.5	150	638	306	163	75	23	38	600	.26	.03	152
10	20	122	465	362	137	68	20	30	926	3.4	.03	408
11	30	96	333	842	122	124	30	26	1,130	23	.03	485
12	28	72	255	1,530	111	439	278	23	866	2.6	.03	424
13	34	56	216	1,360	103	586	446	22	558	.46	.02	358
14	177	45	190	1,000	102	521	450	19	306	.24	.03	598
15	271	40	162	745	177	273	227	15	144	.21	.04	940
16	438	37	135	590	391	160	82	12	88	.32	.10	902
17	473	34	116	519	505	121	52	10	106	.43	.40	656
18	562	31	101	438	465	95	41	9.3	119	.52	1.0	515
19	558	27	138	555	450	83	35	7.7	96	.60	2.5	400
20	313	39	353	848	481	78	31	7.4	67	.49	2.5	500
21	132	168	489	1,070	604	167	28	7.4	45	.34	2.5	350
22	76	291	526	968	818	297	204	10	30	.46	2.0	200
23	51	296	446	773	1,010	292	682	11	19	.64	1.5	100
24	40	180	594	916	833	164	1,400	10	11	.40	.70	70
25	34	128	684	1,140	589	115	1,250	8.1	4.8	114	1.0	60
26	29	318	803	1,200	391	108	714	51	1.9	245	2.0	50
27	26	848	706	1,130	261	99	356	119	1.0	245	3.5	200
28	23	1,800	554	1,220	213	88	162	78	.72	65	4.0	800
29	21	1,610	407	1,200	-----	110	107	35	.60	17	12	400
30	22	1,170	297	1,020	-----	152	78	21	.40	8.0	48	265
31	32	-----	239	782	-----	122	-----	21	-----	2.0	90	-----
TOTAL	3,510.85	9,652	21,421	23,049	10,481	5,411	7,026	1,390.9	6,647.42	771.58	256.23	12,515
MEAN	113	322	691	744	374	175	234	44.9	222	24.9	8.27	417
MAX	662	1,800	3,880	1,530	1,010	586	1,400	153	1,130	245	90	1,210
MIN	.15	27	101	179	102	68	20	7.4	.40	.13	.02	44
CFSM	.85	2.42	5.20	5.59	2.81	1.32	1.76	.34	1.67	.19	.06	3.14
IN.	.98	2.70	5.99	6.45	2.93	1.51	1.97	.39	1.86	.22	.07	3.50
AC-FT	6,460	19,140	42,490	45,720	20,790	10,730	13,940	2,760	13,190	1,530	508	24,820
CAL YR 1973	TOTAL	93,192.14	MEAN	255	MAX	3,880	MIN	.06	CFSM	1.92	IN	26.07
WTR YR 1974	TOTAL	102,131.98	MEAN	280	MAX	3,880	MIN	.02	CFSM	2.11	IN	28.57
												AC-FT 184,800
												AC-FT 202,600

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-28	1145	11.07	1,880	2-23	1015	9.84	1,040
12- 5	0730	12.56	4,080	4-24	1600	10.70	1,540
1-12	1115	10.78	1,600	6-11	0645	10.13	1,160
1-21	1415	9.99	1,100	9- 3	0730	10.32	1,270
1-28	0900	10.27	1,240				

NOTE.--Indefinite stage-discharge relation
Oct. 1-13, July 29 to Aug. 30, Sept. 8.

RED RIVER BASIN

07349800 Cypress Bayou near Benton, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.87	4.15	9.20	5.32	8.12	5.16	3.86	3.71	5.30	2.20	2.38	5.85
2	2.72	4.74	7.93	5.04	7.23	4.98	3.53	4.20	6.88	2.15	2.31	9.02
3	2.60	4.03	7.39	5.41	6.59	4.80	3.34	4.78	5.89	2.12	2.63	10.19
4	2.48	4.95	11.08	6.49	6.19	4.62	3.17	4.29	3.88	2.08	3.15	9.04
5	2.38	7.05	12.44	6.90	5.67	4.42	3.03	4.65	3.42	2.19	2.49	6.87
6	2.35	7.27	11.46	7.01	5.30	4.25	2.90	3.97	3.74	2.14	2.95	4.43
7	2.51	6.99	10.44	6.84	5.23	4.11	2.82	3.87	4.17	2.07	2.56	3.61
8	2.73	5.60	9.60	6.58	5.15	3.97	2.78	3.48	6.32	2.09	2.28	3.32
9	2.91	4.74	8.43	6.17	4.87	3.82	2.77	3.16	8.14	2.17	2.21	4.66
10	3.05	4.42	7.28	6.57	4.60	3.71	2.71	2.96	9.55	2.45	2.21	6.91
11	3.19	4.10	6.38	9.24	4.41	4.38	2.90	2.84	10.05	2.86	2.12	7.48
12	3.15	3.77	5.76	10.68	4.28	7.08	5.92	2.77	9.36	2.47	2.10	7.05
13	3.13	3.51	5.40	10.45	4.18	8.17	7.16	2.75	7.91	2.26	2.18	6.55
14	4.99	3.30	5.15	9.75	4.18	7.65	7.18	2.67	6.14	2.17	2.20	8.14
15	5.89	3.21	4.87	8.93	4.99	5.88	5.45	2.57	4.67	2.15	2.26	9.60
16	7.10	3.13	4.58	8.19	6.80	4.85	3.86	2.49	4.00	2.21	2.34	9.49
17	7.32	3.05	4.35	7.65	7.54	4.40	3.34	2.45	4.23	2.25	2.40	8.50
18	8.56	2.97	4.16	7.10	7.27	4.09	3.10	2.42	4.39	2.28	2.45	7.87
19	7.91	2.88	4.57	7.79	7.19	3.93	2.95	2.38	4.10	2.30	2.48	--
20	6.19	3.13	6.53	9.30	7.37	3.86	2.86	2.37	3.70	2.27	2.48	--
21	4.53	4.90	7.43	9.93	8.12	4.89	2.77	2.37	3.30	2.22	2.48	--
22	3.82	6.04	7.70	9.66	9.20	6.10	4.80	2.45	3.01	2.25	2.47	--
23	3.42	6.09	7.16	9.05	9.77	6.05	8.59	2.47	2.78	2.30	2.46	--
24	3.21	5.03	8.19	9.52	9.25	4.88	10.49	2.45	2.63	3.06	2.44	--
25	3.06	4.49	8.67	10.08	8.14	4.34	10.22	2.39	2.52	4.28	2.45	--
26	2.93	6.17	9.16	10.20	6.80	4.25	8.76	3.29	2.44	5.66	2.47	--
27	2.85	9.13	8.77	10.05	5.80	4.14	6.51	4.38	2.37	5.65	2.50	--
28	2.78	10.99	7.89	10.22	5.37	4.00	4.86	3.85	2.32	3.59	2.52	--
29	2.73	10.78	6.91	10.20	-----	4.28	4.23	3.08	2.29	2.83	2.72	--
30	2.75	10.11	6.09	9.79	-----	4.77	3.85	2.72	2.24	2.61	3.32	5.84
31	2.99	-----	5.62	9.09	-----	4.43	-----	2.73	-----	2.47	3.89	-----
MAX	8.56	10.99	12.44	10.68	9.77	8.17	10.49	4.78	10.05	5.66	3.89	10.19
MIN	2.35	2.88	4.16	5.04	4.18	3.71	2.71	2.37	2.24	2.07	2.10	3.32

RED RIVER BASIN

57

07350000 Loggy Bayou near Ninock, La.

LOCATION.--Lat 32°14'10", long 93°25'35", in SE¼SE¼ sec.31, T.15 N., R.10 W., Bienville-Bossier Parish line, near center of span on downstream side of bridge on U. S. Highway 71, 0.3 mi (0.5 km) downstream from Flat River, 1.9 mi (3.1 km) southeast of Ninock, and 7.5 mi (12.1 km) upstream from mouth.

DRAINAGE AREA.--2,628 mi² (6,807 km²).

PERIOD OF RECORD.--October 1948 to December 1960. January 1961 to September 1964 (annual maximum). January 1961 to current year (gage height only).

GAGE.--Water-stage recorder. Datum of gage is 100.26 ft (30.559 m) above mean sea level (levels by Corps of Engineers). Prior to Mar. 29, 1949, and June 30 to Sept. 24, 1951, nonrecording gage, at same site and datum. Sept. 15, 1955, to Sept. 30, 1964, auxiliary water-stage recorder 6.0 mi (9.7 km) downstream from base gage at datum 100.21 ft (30.544 m) above mean sea level (levels by Corps of Engineers).

EXTREMES.--Current year: Maximum gage height, 39.38 ft (12.003 m) Dec. 9; minimum not determined.

Period of record: Maximum gage height, 47.83 ft (14.579 m) May 8, 1958; minimum, 9.46 ft (2.883 m) Oct. 23-25, 1956.

1948-64: Maximum discharge, 32,600 ft³/s (923 m³/s) May 4, 1958; no flow at times due to severe backwater conditions.

REMARKS.--Some regulation by Lake Bistineau since 1935 (see station 07349250) and of flood flows by Bodcau Bayou Reservoir (capacity, 967,900 acre-ft or 119 km³) since July 1949.

REVISIONS.--WSP 1211: Drainage area.

Discharge measurements made during collection of record

Date	Discharge (cfs)
June 13, 1974	10,700
14	14,300
17	17,000

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.07	22.28	32.72	29.68	35.94	28.50	21.12	32.00	21.03	21.85	--	--
2	19.34	23.28	33.13	29.29	34.82	27.75	20.97	31.87	21.28	21.44	--	--
3	22.55	25.22	33.55	29.77	33.54	27.00	20.63	29.60	21.00	21.22	--	--
4	23.06	26.95	35.40	29.87	32.12	26.10	20.42	28.56	20.45	21.04	--	--
5	22.37	28.33	36.75	29.40	31.04	25.20	20.00	28.52	21.54	20.94	--	--
6	21.75	29.08	38.11	28.87	30.15	24.34	19.50	29.56	22.21	20.90	--	23.82
7	21.32	29.63	38.95	28.25	29.46	23.62	19.02	30.17	22.56	20.68	--	24.03
8	20.65	29.62	39.32	27.69	28.78	22.97	18.64	30.48	24.72	20.44	--	24.06
9	20.05	28.94	39.37	27.15	28.08	22.30	18.42	30.20	27.76	20.30	--	24.75
10	19.59	27.84	39.22	26.98	27.28	21.70	18.47	29.44	30.02	20.28	--	24.90
11	19.63	26.32	38.82	28.67	26.44	21.91	18.72	28.77	31.47	20.18	--	24.60
12	20.33	24.80	38.17	29.46	25.66	24.55	20.21	28.16	32.38	19.90	--	24.22
13	20.93	24.17	37.34	30.45	25.00	25.81	20.69	27.17	34.39	19.58	--	24.52
14	21.38	23.73	36.26	31.40	24.44	25.74	20.10	25.97	36.95	19.25	--	25.16
15	22.18	23.44	34.78	32.08	25.00	25.57	19.43	24.70	38.21	18.94	--	--
16	25.53	23.05	32.93	32.60	26.42	25.18	18.89	23.53	38.46	18.56	--	--
17	27.95	22.37	31.28	32.93	27.15	25.40	18.66	22.75	38.17	18.24	--	--
18	29.15	21.88	30.09	32.84	27.48	25.97	18.56	21.98	37.36	17.98	--	--
19	29.41	21.72	29.18	33.27	27.88	25.98	18.74	21.48	36.32	17.80	--	28.20
20	28.84	21.60	28.87	34.06	27.95	25.58	18.80	21.23	35.00	17.56	--	28.37
21	27.42	21.81	28.30	34.00	29.11	25.77	18.72	21.10	33.45	17.32	--	28.73
22	25.90	21.86	27.68	33.70	30.96	25.33	19.12	21.10	32.09	17.12	--	28.99
23	24.92	21.76	27.30	33.56	31.76	24.61	21.78	20.63	31.00	16.98	--	28.77
24	24.13	21.57	28.03	35.38	31.88	24.24	23.28	20.10	29.78	16.82	--	28.30
25	23.47	22.17	29.12	37.30	31.36	23.38	24.07	19.65	28.30	17.36	--	28.38
26	23.11	24.25	29.70	37.92	30.52	22.68	25.54	19.94	26.60	17.40	--	28.95
27	22.93	26.15	30.22	37.88	29.66	22.45	27.80	19.91	25.38	17.25	--	29.02
28	22.88	28.22	30.53	37.86	29.14	22.38	29.89	19.22	24.22	17.00	--	29.38
29	22.74	30.40	30.76	37.85	-----	22.46	31.73	18.77	23.26	16.73	--	30.36
30	22.47	31.84	30.58	37.42	-----	22.34	32.48	18.57	22.47	16.42	--	30.91
31	22.57	-----	30.15	36.80	-----	21.63	-----	19.04	-----	16.32	--	-----
MAX	29.41	31.84	39.37	37.92	35.94	28.50	32.48	32.00	38.46	21.85	--	30.91
MIN	17.07	21.57	27.30	26.98	24.44	21.63	18.42	18.57	20.45	16.32	--	--

RED RIVER BASIN

07351000 Boggy Bayou near Keithville, La.

LOCATION.--Lat 32°22'35", long 93°49'17", in NW¼ sec.17, T.16 N., R.14 W., Caddo-DeSoto Parish line, near right bank on downstream side of bridge on U. S. Highway 171, 0.4 mi (0.6 km) downstream from Gilmer Bayou, 3 mi (5 km) north of Keithville, and 5 mi (8 km) upstream from mouth.

DRAINAGE AREA.--79 mi² (205 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 145.13 ft (44.236 m) above mean sea level (levels by Corps of Engineers). Prior to Sept. 7, 1949, and Jan. 19 to Apr. 7, 1954, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--35 years (1939-74), 71.5 ft³/s (2.02 m³/s), 12.29 in/yr (312 mm/yr), 51,800 acre-ft/yr (63.9 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 5,450 ft³/s (154 m³/s) Jan. 25 (gage height, 18.14 ft or 5.529 m, from floodmark); no flow Oct. 11-21; minimum gage height, 8.59 ft (2.618 m) Aug. 23, 24.

Period of record: Maximum discharge, 14,800 ft³/s (419 m³/s) Jan. 5, 1946 (gage height, 20.2 ft or 6.16 m, from graph based on gage readings), from rating curve extended above 5,200 ft³/s (147 m³/s) by velocity-area studies; no flow at times in 1939-40, 1942-44, 1947-49, 1951-60, 1962-67, 1970-73.

Maximum stage known, 26.7 ft (8.14 m) in 1933, from floodmark.

REMARKS.--Records good. See following page for table of daily gage height. Records of water temperatures for the water year 1974 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1211: 1939-45, drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.2	12	17	31	60	27	17	13	81	3.0	1.2	27
2	3.4	11	14	29	50	25	14	14	64	2.7	1.2	21
3	2.5	8.1	118	80	40	23	13	13	16	2.5	1.3	8.1
4	2.0	8.1	3,150	256	35	21	12	13	11	2.4	1.9	4.9
5	1.8	77	1,390	136	30	19	11	25	403	22	1.4	2.8
6	1.6	56	333	97	28	17	10	35	742	13	1.1	1.9
7	1.5	20	85	111	27	16	10	18	265	19	1.1	1.7
8	1.4	14	45	85	26	15	10	13	3,390	8.7	1.0	15
9	1.4	12	30	66	25	14	9.9	11	1,680	6.4	1.3	92
10	1.4	9.7	23	365	24	14	9.6	10	517	4.9	1.3	104
11	1.9	8.6	20	1,600	23	18	13	10	138	3.9	3.3	32
12	16	7.4	17	853	22	102	109	11	57	2.8	5.2	15
13	51	7.6	17	197	21	142	91	11	31	2.2	2.2	44
14	36	7.1	16	95	20	59	31	9.3	21	2.1	1.4	55
15	22	6.6	14	90	100	31	17	8.3	15	4.6	1.1	31
16	21	6.2	13	85	700	22	13	7.7	13	2.4	.85	12
17	16	6.0	12	80	800	18	12	7.7	12	1.7	.79	10
18	11	5.6	12	70	500	15	11	7.2	11	1.5	.72	10
19	8.4	5.5	55	500	300	14	10	6.9	11	1.4	.62	9.2
20	6.6	15	297	1,200	500	15	9.8	6.2	11	1.3	.52	7.3
21	5.4	67	152	2,000	800	81	9.4	6.5	10	1.3	.49	5.9
22	4.4	35	66	1,900	1,000	91	83	11	9.3	1.4	.48	4.7
23	3.7	15	42	1,000	200	38	421	15	8.7	1.3	.42	6.1
24	3.3	11	951	3,000	100	23	234	8.4	7.9	33	.40	4.0
25	2.9	19	1,300	5,000	60	19	62	4.2	7.1	27	.41	25
26	2.9	75	459	3,000	40	21	22	28	5.4	7.9	.42	75
27	2.8	369	165	1,000	35	19	15	58	4.1	4.4	.51	40
28	2.7	145	88	400	30	18	13	14	3.6	2.9	.56	15
29	2.5	57	57	200	-----	43	13	8.5	3.4	2.1	1.1	9.6
30	2.5	27	45	100	-----	59	13	8.2	3.3	1.6	4.0	7.9
31	11	-----	36	80	-----	26	-----	10	-----	1.3	8.3	-----
TOTAL	256.2	1,123.5	9,039	23,706	5,596	1,065	1,318.7	422.1	7,551.8	192.7	46.59	697.1
MEAN	8.26	37.5	292	765	200	34.4	44.0	13.6	252	6.22	1.50	23.2
MAX	51	369	3,150	5,000	1,000	142	421	58	3,390	33	8.3	104
MIN	1.4	5.5	12	29	20	14	9.4	4.2	3.3	1.3	.40	1.7
CFSM	.10	.47	3.70	9.68	2.53	.44	.56	.17	3.19	.08	.02	.29
IN.	.12	.53	4.26	11.16	2.64	.50	.62	.20	3.56	.09	.02	.33
AC-FT	508	2,230	17,930	47,020	11,100	2,110	2,620	837	14,980	382	92	1,380
CAL YR 1973	TOTAL 40,553.50	MEAN 111	MAX 3,150	MIN .70	CFSM 1.41	IN 19.10	AC-FT 80,440					
WTR YR 1974	TOTAL 51,014.69	MEAN 140	MAX 5,000	MIN .40	CFSM 1.77	IN 24.02	AC-FT 101,200					

PEAK DISCHARGE (BASE, 1,400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 4	1800	17.55	3,860	1-21	unknown	unknown	2,000
12-25	0545	16.69	1,660	1-25	unknown	18.14	5,450
1-11	0415	16.80	1,900	6- 8	1730	17.72	4,310

RED RIVER BASIN

59

07351000 Boggy Bayou near Keithville, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.40	9.82	10.07	10.68	--	--	10.05	9.86	12.34	9.17	8.85	10.50
2	9.21	9.75	9.89	10.59	--	--	9.92	9.88	11.87	9.13	8.85	10.21
3	9.09	9.58	11.09	12.23	--	--	9.86	9.88	10.02	9.10	8.87	9.58
4	9.01	9.57	17.24	14.97	--	--	9.82	9.83	9.76	9.08	9.00	9.36
5	8.96	12.29	16.53	13.80	--	9.94	9.77	10.37	14.70	10.13	8.89	9.14
6	8.94	11.60	14.95	12.98	--	10.04	9.72	10.84	16.00	9.86	8.83	9.00
7	8.92	10.19	12.59	13.34	--	10.00	9.71	10.12	14.85	10.12	8.81	8.96
8	8.90	9.89	11.22	12.60	--	9.96	9.70	9.87	17.34	9.62	8.80	9.63
9	8.90	9.78	10.61	11.99	--	9.92	9.69	9.76	16.67	9.48	8.87	12.78
10	8.89	9.68	10.34	14.05	--	9.90	9.67	9.70	15.62	9.36	8.87	13.14
11	8.98	9.61	10.19	16.69	--	10.09	9.82	9.72	13.72	9.27	9.02	10.68
12	9.79	9.54	10.08	16.08	--	12.90	12.96	9.74	11.66	9.14	9.36	9.95
13	11.44	9.55	10.05	14.49	--	13.88	12.71	9.75	10.66	9.05	9.04	11.20
14	10.88	9.52	10.01	12.91	--	11.72	10.66	9.65	10.22	9.03	8.90	11.58
15	10.30	9.49	9.93	--	--	10.64	10.04	9.59	9.97	9.31	8.81	10.66
16	10.24	9.46	9.86	--	--	10.29	9.86	9.56	9.86	9.08	8.75	9.79
17	9.99	9.45	9.81	--	--	10.09	9.78	9.56	9.81	8.95	8.73	9.72
18	9.76	9.42	9.78	--	--	9.97	9.74	9.53	9.77	8.92	8.71	9.72
19	9.60	9.40	11.31	--	--	9.93	9.71	9.51	9.74	8.90	8.67	9.65
20	9.48	9.91	15.09	--	--	9.95	9.68	9.46	9.72	8.87	8.64	9.53
21	9.40	12.00	13.95	--	--	12.37	9.66	9.48	9.69	8.87	8.63	9.44
22	9.32	10.82	11.96	--	--	12.74	11.75	9.76	9.65	8.88	8.63	9.35
23	9.26	9.96	11.10	--	--	10.95	15.47	9.94	9.62	8.87	8.61	9.45
24	9.21	9.75	15.78	--	--	10.31	14.66	9.59	9.57	10.47	8.60	9.29
25	9.15	10.14	16.48	--	--	10.15	11.81	9.30	9.52	10.46	8.60	10.28
26	9.15	12.13	15.43	--	--	10.24	10.27	10.48	9.40	9.57	8.60	12.28
27	9.14	15.24	14.22	--	--	10.16	9.97	11.69	9.29	9.31	8.64	11.02
28	9.13	13.81	12.69	--	--	10.10	9.88	9.88	9.25	9.15	8.65	9.94
29	9.09	11.64	11.68	--	-----	11.09	9.85	9.60	9.22	9.04	8.79	9.67
30	9.10	10.49	11.21	--	-----	11.72	9.83	9.59	9.21	8.95	9.28	9.57
31	9.72	-----	10.86	--	-----	10.46	-----	9.69	-----	8.88	9.47	-----
MAX	11.44	15.24	17.24	--	--	13.88	15.47	11.69	17.34	10.47	9.47	13.14
MIN	8.89	9.40	9.78	10.59	--	--	9.66	9.30	9.21	8.87	8.60	8.96

07352000 Saline Bayou near Lucky, La.

LOCATION.--Lat 32°15'00", long 92°58'35", in SW¼SW¼ sec.27, T.15 N., R.6 W., Bienville Parish, near center of span on downstream side of bridge on State Highway 4, 0.7 mi (1.1 km) downstream from Sixmile Creek, and 1.0 mi (1.6 km) east of Lucky.

DRAINAGE AREA.--154 mi² (399 km²).

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

GAGE.--Duplex water-stage recorder (rain gage and water stage combination). Datum of gage is 152.65 ft (46.528 m) above mean sea level. Prior to Feb. 28, 1949, nonrecording gage, Mar. 1, 1949, to Apr. 26, 1971, water-stage recorder, at same site and datum.

AVERAGE DISCHARGE.--34 years, 163 ft³/s (4.616 m³/s), 14.37 in/yr (365 mm/yr), 118,100 acre-ft/yr (146 hm³).

EXTREMES.--Current year: Maximum discharge, 4,430 ft³/s (125 m³/s) Jan. 25 (gage height, 9.24 ft or 2.816 m); minimum, 25 ft³/s (0.71 m³/s) Aug. 6 (gage height, 3.10 ft or 0.945 m).

Period of record: Maximum discharge, 13,500 ft³/s (382 m³/s) Jan. 1, 1945 (gage height, 12.9 or 3.93 m), from rating curve extended above 6,400 ft³/s (181 m³/s) on basis of records for Black Lake Bayou near Castor and Dugdemona River near Jonesboro; minimum discharge, 2.4 ft³/s (0.068 m³/s) Aug. 14, 1954; minimum gage height, 1.66 ft (0.506 m) Aug. 7, 8, 1964.

REMARKS.--Records fair. See following page for table of daily gage height. Records of water temperatures for the water year 1974 are published in Part 2 of this report.

REVISIONS.--WSP 1177: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	118	163	350	236	742	211	278	94	104	29	36	274
2	82	186	200	198	538	195	190	90	145	29	36	213
3	64	151	211	370	385	182	159	80	163	31	36	177
4	55	336	906	552	314	171	139	74	127	29	33	137
5	46	1,150	1,390	636	258	164	124	92	123	34	29	89
6	44	1,150	1,870	754	223	155	111	112	143	46	26	63
7	42	1,320	1,300	946	206	147	105	115	184	52	29	56
8	40	1,180	946	1,100	198	140	102	98	322	67	48	83
9	38	818	594	1,230	182	136	99	76	334	72	60	362
10	38	420	315	1,020	167	131	94	66	334	61	55	440
11	40	223	219	1,140	159	171	102	70	211	44	46	380
12	56	164	182	1,230	154	532	298	78	139	36	36	270
13	86	141	170	1,290	151	760	354	69	110	34	34	258
14	133	129	164	1,150	159	956	330	60	90	40	42	258
15	152	122	155	970	330	795	208	56	74	62	40	314
16	375	116	145	754	640	520	141	55	99	92	33	274
17	355	111	136	615	712	278	116	53	137	72	28	170
18	305	108	129	480	900	198	101	50	122	61	29	128
19	290	104	145	498	994	171	91	48	110	43	31	107
20	186	116	266	914	736	164	85	47	86	35	28	142
21	123	164	355	1,010	652	233	80	54	65	31	31	143
22	99	166	355	1,100	730	314	132	112	52	31	34	103
23	86	173	258	1,050	748	370	350	179	44	30	44	78
24	75	145	468	1,660	830	290	342	132	40	47	36	40
25	67	152	810	3,830	712	213	226	97	37	74	29	110
26	63	335	850	2,560	450	200	144	132	34	72	40	226
27	60	450	890	1,610	290	230	111	211	33	76	46	385
28	58	396	834	1,360	236	219	94	230	31	52	54	455
29	58	450	682	1,160	-----	219	85	147	30	40	73	400
30	58	480	462	986	-----	290	78	99	30	36	68	190
31	128	-----	310	879	-----	370	-----	83	-----	36	171	-----
TOTAL	3,420	11,119	16,067	33,288	12,796	9,125	4,869	2,959	3,553	1,494	1,361	6,325
MEAN	110	371	518	1,074	457	294	162	95.5	118	48.2	43.9	211
MAX	375	1,320	1,870	3,830	994	956	354	230	334	92	171	455
MIN	38	104	129	198	151	131	78	47	30	29	26	40
CFSM	.71	2.41	3.36	6.97	2.97	1.91	1.05	.62	.77	.31	.29	1.37
IN.	.83	2.69	3.88	8.04	3.09	2.20	1.18	.71	.86	.36	.33	1.53
AC-FT	6,780	22,050	31,870	66,030	25,380	18,100	9,660	5,870	7,050	2,960	2,700	12,550
(††)	5.11	7.51	5.29	10.97	2.32	2.98	4.13	3.37	2.26	3.23	7.22	6.79

CAL YR 1973	TOTAL 109,613	MEAN 300	MAX 1,870	MIN 21	CFSM 1.95	IN 26.48	AC-FT 217,400
WTR YR 1974	TOTAL 106,376	MEAN 291	MAX 3,830	MIN 26	CFSM 1.89	IN 25.70	AC-FT 211,000

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11- 7	0830	7.06	1,390	1-25	1400	9.24	4,430
12- 6	0430	7.66	2,050	2-19	0200	6.90	1,050
1- 9	0600	6.93	1,260	3-14	0800	6.84	1,000
1-13	0800	7.02	1,350				

†† Precipitation, in inches, during month at rain gage at station. Total for calendar year 1973, 55.14 inches; total for water year 1974, 61.18 inches.

07352000 Saline Bayou near Lucky, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.61	5.13	5.72	5.46	6.47	5.38	5.57	4.24	4.38	3.20	3.35	5.56
2	4.04	5.28	5.34	5.33	6.13	5.32	5.30	4.19	4.94	3.20	3.35	5.39
3	3.77	5.01	5.38	5.76	5.83	5.26	5.10	4.04	5.13	3.24	3.35	5.23
4	3.62	5.21	6.52	6.06	5.66	5.20	4.86	3.95	4.71	3.20	3.28	4.84
5	3.52	6.81	7.06	6.18	5.52	5.14	4.67	4.21	4.66	3.32	3.18	4.24
6	3.47	6.81	7.50	6.33	5.42	5.06	4.49	4.50	4.91	3.55	3.12	3.87
7	3.44	6.99	6.97	6.57	5.36	4.96	4.40	4.54	5.27	3.68	3.20	3.74
8	3.39	6.85	6.57	6.76	5.33	4.88	4.36	4.30	5.68	3.93	3.58	4.16
9	3.37	6.41	6.12	6.90	5.26	4.82	4.31	3.98	5.71	4.01	3.80	5.78
10	3.36	5.85	5.65	6.66	5.17	4.76	4.24	3.84	5.71	3.82	3.72	5.94
11	3.41	5.42	5.41	6.80	5.10	5.20	4.36	3.90	5.38	3.50	3.54	5.82
12	3.67	5.14	5.26	6.90	5.05	6.12	5.62	4.02	4.86	3.36	3.36	5.55
13	4.18	4.89	5.19	6.96	5.01	6.50	5.76	3.89	4.47	3.32	3.30	5.52
14	4.85	4.74	5.14	6.81	5.10	6.78	5.70	3.74	4.18	3.42	3.46	5.52
15	5.07	4.64	5.06	6.60	5.70	6.55	5.37	3.67	3.96	3.86	3.42	5.66
16	5.77	4.55	4.94	6.33	6.30	6.10	4.89	3.64	4.32	4.28	3.28	5.56
17	5.73	4.49	4.82	6.15	6.42	5.57	4.55	3.60	4.84	4.01	3.17	5.19
18	5.63	4.44	4.74	5.95	6.70	5.33	4.34	3.54	4.66	3.84	3.18	4.72
19	5.60	4.38	4.94	5.98	6.83	5.20	4.20	3.49	4.51	3.49	3.25	4.48
20	5.28	4.55	5.54	6.56	6.46	5.14	4.11	3.48	4.20	3.33	3.16	4.90
21	4.66	5.14	5.73	6.70	6.32	5.45	4.04	3.62	3.90	3.24	3.24	4.91
22	4.32	5.16	5.73	6.82	6.45	5.66	4.78	4.50	3.67	3.23	3.32	4.42
23	4.13	5.21	5.52	6.76	6.48	5.80	5.75	5.24	3.52	3.21	3.50	4.10
24	3.97	4.94	5.93	7.51	6.60	5.60	5.73	4.77	3.44	3.57	3.34	3.44
25	3.85	5.02	6.40	9.00	6.42	5.39	5.43	4.28	3.37	4.04	3.20	4.47
26	3.78	5.69	6.45	8.32	5.96	5.34	4.92	4.75	3.32	4.01	3.42	5.43
27	3.73	5.90	6.50	7.53	5.60	5.44	4.49	5.38	3.28	4.07	3.55	5.83
28	3.70	5.81	6.43	7.25	5.46	5.41	4.25	5.44	3.25	3.66	3.70	5.97
29	3.70	5.90	6.24	7.03	-----	5.41	4.12	4.96	3.22	3.44	4.02	5.86
30	3.69	5.95	5.92	6.82	-----	5.60	4.01	4.32	3.21	3.36	3.95	5.30
31	4.73	-----	5.64	6.67	-----	5.80	-----	4.09	-----	3.34	5.20	-----
MAX	5.77	6.99	7.50	9.00	6.83	6.78	5.76	5.44	5.71	4.28	5.20	5.97
MIN	3.36	4.38	4.74	5.33	5.01	4.76	4.01	3.48	3.21	3.20	3.12	3.44

RED RIVER BASIN

07352800 Grand Bayou near Coushatta, La.

LOCATION.--Lat 32°02'55", long 93°18'10", in SW¼SW¼ sec.4, T.12 N., R.9 W., Red River Parish, near right bank on downstream side of bridge on State Highway 155, 0.5 mi (0.8 km) upstream from Carrol Creek, and 3.3 mi (5.3 km) north of Coushatta.

DRAINAGE AREA.--93.9 mi² (243 km²).

PERIOD OF RECORD.--October 1956 to current year.

GAGE.--Water-stage recorder. Datum of gage is 136.26 ft (41.532 m) above mean sea level.

AVERAGE DISCHARGE.--18 years, 82.6 ft³/s (2.339 m³/s), 11.95 in/yr (304 mm/yr), 59,840 acre-ft/yr (73.8 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 3,010 ft³/s (85.2 m³/s) Jan. 25 (gage height, 9.68 ft or 2.950 m); minimum, 0.03 ft³/s (0.001 m³/s) Aug. 28 (gage height, 0.45 ft or 0.137 m).

Period of record: Maximum discharge, 7,920 ft³/s (224 m³/s) Sept. 21, 1958 (gage height, 11.47 ft or 3.496 m); no flow at times most years.

REMARKS.--Records fair. See following page for table of daily gage height. Records of water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.10	5.7	66	68	273	55	40	7.3	474	.23	.19	91
2	.10	4.6	33	54	133	49	30	6.4	561	.21	.19	33
3	.08	6.4	34	157	97	43	26	7.8	446	.23	.15	11
4	.08	9.1	295	401	75	38	26	6.9	142	.19	.15	6.0
5	.06	141	482	505	57	33	21	6.7	261	.26	.14	3.5
6	.08	249	784	561	46	29	11	37	438	2.5	.14	2.7
7	.08	247	710	675	43	28	7.9	17	474	2.2	.12	2.0
8	.08	111	490	740	41	26	6.1	11	379	1.7	.14	5.2
9	.08	55	207	660	36	19	5.3	9.2	180	1.3	.14	30
10	.06	215	57	592	31	17	4.6	5.8	117	.80	.12	47
11	.08	241	38	812	27	56	18	4.7	46	.72	.11	23
12	.08	79	30	648	25	404	378	4.5	22	1.3	.07	22
13	1.4	29	24	610	23	628	458	5.1	16	.88	.09	167
14	2.4	18	21	510	24	606	464	3.7	9.0	.88	.09	125
15	4.1	12	20	462	135	383	269	2.3	6.3	4.1	.09	114
16	9.0	8.6	17	442	466	132	81	1.9	4.5	2.9	.06	54
17	66	6.4	15	412	464	57	33	1.6	3.3	1.2	.10	19
18	69	5.4	12	321	296	38	18	1.5	2.6	.72	.26	9.4
19	22	4.6	14	599	433	29	12	1.3	2.2	.50	.21	5.5
20	9.0	3.8	71	1,860	395	26	9.2	1.1	2.0	.44	.17	3.9
21	4.5	11	206	1,770	365	191	7.2	.98	1.8	.38	.09	3.5
22	2.1	60	186	1,170	1,270	425	187	15	1.4	.33	.07	3.7
23	1.2	48	88	920	1,660	482	596	38	1.3	.26	.07	5.8
24	.97	25	157	1,570	929	341	570	20	1.1	.29	.07	8.3
25	.54	18	446	2,780	606	124	264	9.5	.88	.29	.07	14
26	.45	49	722	1,990	284	102	62	24	.72	.23	.10	31
27	.29	78	716	1,310	91	141	25	166	.56	.21	.06	25
28	.26	127	570	1,220	65	134	15	128	.38	.21	.05	20
29	.23	189	383	880	-----	98	11	53	.33	.23	.10	15
30	.26	162	166	680	-----	78	8.1	18	.29	.21	4.8	9.1
31	4.9	-----	92	480	-----	60	-----	220	-----	.21	24	-----
TOTAL	199.56	2,218.6	7,152	25,859	8,390	4,872	3,663.4	835.28	3,594.66	26.11	32.21	909.6
MEAN	6.44	74.0	231	834	300	157	122	26.9	120	.84	1.04	30.3
MAX	69	249	784	2,780	1,660	628	596	220	561	4.1	.24	167
MIN	.06	3.8	12	54	23	17	4.6	.98	.29	.19	.05	2.0
CFSM	.07	.79	2.46	8.88	3.19	1.67	1.30	.29	1.28	.009	.01	.32
IN.	.08	.88	2.83	10.24	3.32	1.93	1.45	.33	1.42	.01	.01	.36
AC-FT	396	4,400	14,190	51,290	16,640	9,660	7,270	1,660	7,130	52	64	1,800

CAL YR 1973 TOTAL 45,662.38 MEAN 125 MAX 2,050 MIN .01 CFSM 1.33 IN 18.09 AC-FT 90,570
WTR YR 1974 TOTAL 57,752.42 MEAN 158 MAX 2,780 MIN .05 CFSM 1.68 IN 22.88 AC-FT 114,600

PEAK DISCHARGE (BASE, 500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 6	0730	7.86	812	2-23	0530	8.90	1,890
12-26	1630	7.85	805	3-14	0015	7.64	680
1-11	0615	8.08	992	4-14	0230	7.12	505
1-20	1930	9.15	2,230	4-24	0015	7.56	644
1-25	0815	9.68	3,010	6- 2	0800	7.37	576

RED RIVER BASIN

63

07352800 Grand Bayou near Coushatta, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.51	1.22	3.23	3.28	5.47	3.00	2.62	1.28	6.96	.59	.57	3.61
2	.51	1.13	2.35	2.97	4.20	2.84	2.31	1.22	7.30	.58	.57	2.37
3	.50	1.27	2.28	4.45	3.75	2.70	2.16	1.31	6.80	.59	.55	1.52
4	.49	1.37	5.70	6.53	3.41	2.55	2.15	1.25	4.15	.57	.55	1.19
5	.48	4.39	7.01	7.12	3.03	2.41	1.96	1.23	5.25	.60	.54	.98
6	.49	5.82	7.82	7.32	2.78	2.28	1.51	2.52	6.76	.87	.54	.90
7	.49	5.79	7.70	7.63	2.68	2.25	1.32	1.80	6.97	.84	.53	.82
8	.49	4.00	7.05	7.75	2.62	2.19	1.20	1.49	6.35	.79	.54	1.05
9	.49	2.92	4.44	7.60	2.49	1.90	1.14	1.40	4.67	.75	.54	2.29
10	.48	5.42	3.05	7.42	2.34	1.80	1.08	1.18	3.99	.69	.53	2.79
11	.49	5.72	2.55	7.86	2.21	2.76	1.50	1.09	2.74	.68	.52	2.05
12	.49	3.42	2.31	7.57	2.13	6.52	6.33	1.07	2.00	.75	.49	1.95
13	.73	2.20	2.10	7.47	2.07	7.51	6.89	1.12	1.76	.69	.50	4.53
14	.90	1.80	1.99	7.14	2.07	7.44	6.91	1.00	1.39	.69	.50	4.11
15	1.05	1.54	1.94	6.91	3.80	6.37	5.42	.86	1.21	1.04	.50	3.97
16	1.36	1.36	1.82	6.79	6.92	4.14	3.48	.81	1.07	.91	.48	2.95
17	3.18	1.22	1.71	6.59	6.91	3.03	2.39	.78	.96	.74	.51	1.83
18	3.27	1.15	1.58	5.89	5.66	2.55	1.85	.77	.89	.68	.57	1.40
19	1.95	1.08	1.69	6.52	6.72	2.27	1.55	.75	.84	.65	.57	1.15
20	1.42	1.00	3.33	8.85	6.48	2.16	1.40	.73	.81	.64	.56	1.02
21	1.12	1.41	4.93	8.80	6.13	4.61	1.27	.71	.80	.63	.50	.98
22	.89	3.09	4.74	8.26	8.27	6.68	3.73	1.42	.76	.61	.49	1.00
23	.78	2.77	3.63	7.99	8.70	7.01	7.43	2.56	.75	.60	.49	1.17
24	.74	2.09	4.45	8.64	8.00	6.02	7.24	1.94	.73	.61	.49	1.34
25	.67	1.81	6.81	9.53	7.41	4.09	5.35	1.41	.70	.61	.49	1.62
26	.65	2.77	7.72	8.98	5.48	3.82	3.12	2.01	.68	.59	.51	2.26
27	.61	3.50	7.71	8.41	3.65	4.29	2.14	4.54	.66	.58	.48	2.07
28	.60	4.30	7.35	8.31	3.20	4.21	1.73	4.12	.62	.58	.47	1.89
29	.59	5.11	6.40	7.95	-----	3.77	1.48	2.93	.62	.59	.49	1.69
30	.60	4.77	4.54	7.63	-----	3.47	1.32	1.83	.61	.58	1.06	1.38
31	1.14	-----	3.68	6.96	-----	3.10	-----	4.50	-----	.58	1.85	-----
MAX	3.27	5.82	7.82	9.53	8.70	7.51	7.43	4.54	7.30	1.04	1.85	4.53
MIN	.48	1.00	1.58	2.97	2.07	1.80	1.08	.71	.61	.57	.47	.82

RED RIVER BASIN

07352895 Black Lake Bayou near Clarence, La.

LOCATION.--Lat 31°52'24", long 93°58'00", in sec.3, T.10 N., R.5 W., Natchitoches Parish, on downstream side of bridge on Parish Road, 1.8 mi (2.9 km) northeast of Chivery Dam, 2.8 mi (4.5 km) upstream from Allen Dam, and 5.0 mi (8.0 km) northeast of Clarence.

DRAINAGE AREA.--908 mi² (2,352 km²).

PERIOD OF RECORD.--December 1969 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 94.49 ft (28.800 m) above mean sea level.

EXTREMES.--Maximum and minimum gage heights for water years 1970-74 are contained in the following table:

Water year	Maximum		Minimum	
	Date	Gage height (feet) (metres)	Date	Gage height (feet) (metres)
1970a	May 7, 1970	5.65 1.722	unknown	unknown
1971	May 20, 1971	5.54 1.688	unknown	unknown
1972	unknown	unknown	--	(b)
1973	May 8, 1973	10.96 3.341	--	(b)
1974	Jan. 30, 1974	12.88 3.926	--	(b)

a Period December to September.

b Less than 0.37 ft (0.113 m), lowest recordable stage.

Period of record: Maximum gage height, 12.88 ft (3.926 m) Jan. 30, 1974; minimum not determined.

REMARKS.--Some regulation by Allen and Chivery Dams; combined usable capacity, 161,000 acre-ft (197 hm³).

GAGE HEIGHT, IN FEET, AT 0800, DECEMBER 1969 TO SEPTEMBER 1970

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				3.98	3.83	4.47	4.83	4.41	4.12	3.89	3.55	3.30
2				4.02	3.95	4.48	4.83	4.79	4.13	3.88	3.54	3.33
3				4.05	3.97	4.50	4.73	4.94	4.09	3.83	3.51	3.36
4				4.06	3.94	4.73	4.67	5.18	4.08	3.79	3.51	3.35
5			3.54	4.09	4.00	4.82	4.60	5.44	4.07	3.74	3.50	3.35
6			3.69	4.28	4.05	4.88	4.52	5.59	4.03	3.69	3.49	3.34
7			3.84	4.22	4.08	4.95	4.45	5.64	4.01	3.65	3.46	3.32
8			3.80	4.23	4.11	5.04	4.37	5.63	3.99	3.62	3.52	3.33
9			3.81	4.24	4.12	5.07	4.32	5.63	3.98	3.59	3.50	3.31
10			3.83	4.24	4.12	5.07	4.33	5.61	3.97	3.56	3.47	3.30
11			3.85	4.29	4.11	5.09	4.28	5.56	3.94	3.53	3.46	3.30
12			3.81	4.30	4.12	5.07	4.25	5.47	3.91	3.52	3.44	3.29
13			3.80	4.29	4.12	5.04	4.15	5.37	3.89	3.50	3.40	3.27
14			3.80	4.29	4.10	5.01	4.22	5.25	3.87	3.47	3.39	3.27
15			3.79	4.26	4.10	4.98	4.19	5.12	3.83	3.47	3.37	--
16			3.87	4.23	4.17	4.94	4.18	5.05	3.80	3.49	3.35	--
17			3.75	4.23	4.13	4.99	4.16	4.89	3.76	3.48	3.33	--
18			3.74	4.20	4.11	4.97	4.11	4.75	3.74	3.54	3.34	--
19			3.77	4.19	4.13	4.97	4.22	4.64	3.72	3.52	3.35	--
20			3.76	4.15	4.13	4.95	4.14	4.53	3.67	3.50	3.35	--
21			3.83	4.09	4.13	5.06	4.15	4.45	3.65	3.60	3.35	--
22			3.76	4.05	4.13	5.10	4.15	4.37	3.64	3.61	3.33	--
23			3.75	4.03	4.13	5.11	4.17	4.30	3.62	3.58	3.35	--
24			3.74	4.00	4.14	5.11	4.18	4.24	3.71	3.59	3.40	--
25			3.77	3.96	4.32	5.09	4.15	4.22	3.72	3.57	3.39	--
26			3.72	3.95	4.35	5.09	4.19	4.17	3.71	3.56	3.38	--
27			3.69	3.92	4.40	5.04	4.17	4.15	3.71	3.60	3.37	--
28			3.70	3.89	4.43	4.99	4.18	4.17	3.74	3.60	3.35	--
29			3.70	3.94	-----	4.97	4.18	4.14	3.81	3.59	3.34	--
30			3.90	3.88	-----	4.92	4.17	4.14	3.87	3.57	3.32	--
31	-----		3.95	3.85	-----	4.89	-----	4.10	-----	3.56	3.32	-----
MAX			--	4.30	4.43	5.11	4.83	5.64	4.13	3.89	3.55	--
MIN			--	3.85	3.83	4.47	4.11	4.10	3.62	3.47	3.32	--

07352895 Black Lake Bayou near Clarence, La.--Continued

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	--	--	3.64	--	3.85	4.91	4.02	3.55	4.17	3.33	3.92	3.88
2	--	--	3.63	--	3.82	4.94	4.08	3.53	4.08	3.32	3.97	3.85
3	--	--	3.62	--	3.80	4.96	4.07	3.52	4.00	3.31	4.07	3.83
4	--	--	3.62	--	3.77	4.85	4.07	3.47	3.93	3.32	4.07	3.81
5	--	--	3.59	--	3.81	4.76	4.08	3.45	3.87	3.30	4.09	3.80
6	--	--	3.60	--	3.78	4.73	4.04	3.46	3.82	3.29	4.09	3.78
7	--	--	3.58	--	3.78	4.67	4.02	3.67	3.75	3.27	4.10	3.76
8	--	--	3.55	--	3.81	4.57	3.99	3.70	3.71	3.26	4.10	3.74
9	--	--	3.55	--	3.71	4.49	3.97	3.70	3.67	3.29	4.09	3.73
10	--	--	3.56	--	3.68	4.48	3.95	3.72	3.62	3.27	4.10	3.71
11	--	--	3.55	--	3.65	4.39	3.92	4.04	3.58	3.25	4.11	3.73
12	--	--	3.59	--	3.75	4.35	3.89	4.26	3.56	3.26	4.11	3.71
13	--	--	3.57	--	3.72	4.32	3.85	4.51	3.53	3.24	4.16	3.69
14	--	--	3.56	4.06	3.67	4.28	3.83	4.74	3.50	3.22	4.15	3.67
15	--	--	3.55	4.05	3.71	4.27	3.79	5.00	3.46	3.20	4.14	3.65
16	--	--	3.60	4.01	3.83	4.22	3.77	5.26	3.48	3.18	4.12	3.65
17	--	--	3.56	3.99	3.92	4.17	3.74	5.42	3.50	3.17	4.08	3.64
18	--	--	3.54	3.98	3.98	4.12	3.72	5.49	3.46	3.15	4.06	3.61
19	--	--	3.56	3.95	4.05	4.21	3.71	5.50	3.43	3.13	4.04	3.60
20	--	--	3.58	3.90	4.25	4.13	3.71	5.53	3.40	3.10	4.02	3.64
21	--	--	3.61	3.87	4.33	4.07	3.69	5.49	3.39	3.08	4.00	3.62
22	--	--	3.63	3.90	4.51	4.06	3.67	5.42	3.38	3.06	3.98	3.62
23	--	--	3.64	3.91	4.56	4.05	3.66	5.31	3.38	3.11	3.96	3.64
24	--	--	3.65	3.91	4.61	4.03	3.63	5.21	3.36	3.10	3.95	3.67
25	--	3.68	3.65	3.92	4.66	4.01	3.60	5.12	3.34	3.24	3.96	3.70
26	--	3.68	--	3.90	4.80	4.02	3.59	4.96	3.33	3.38	3.94	3.71
27	--	3.69	--	3.90	4.87	3.98	3.59	4.80	3.31	3.44	3.94	3.70
28	--	3.68	--	3.88	4.89	3.97	3.57	4.64	3.29	3.57	3.94	3.70
29	--	3.68	--	3.87	-----	4.03	3.54	4.49	3.28	3.72	3.94	3.69
30	--	3.66	--	3.87	-----	4.00	3.58	4.36	3.33	3.80	3.94	3.67
31	--	-----	--	3.88	-----	3.99	-----	4.25	-----	3.86	3.92	-----
MAX	--	--	--	--	4.89	4.96	4.08	5.53	4.17	3.86	4.16	3.88
MIN	--	--	--	--	3.65	3.97	3.54	3.45	3.28	3.06	3.92	3.60

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.65	3.43	3.72	--	4.92	4.03	4.27	3.74	3.52	--	--	--
2	3.62	3.41	3.74	--	4.97	4.13	4.22	3.83	3.50	--	--	--
3	3.60	3.43	3.90	--	5.02	4.06	4.20	3.85	3.48	--	--	--
4	3.63	3.39	3.88	--	4.96	4.05	4.06	3.83	3.46	--	--	--
5	3.64	3.36	3.90	--	4.92	4.09	4.02	3.82	3.43	--	--	--
6	3.62	3.36	4.15	--	4.87	4.08	4.00	3.82	3.42	--	--	--
7	3.59	3.36	4.23	--	4.86	4.08	3.99	3.81	3.44	--	--	--
8	3.56	3.35	4.29	--	4.83	4.09	3.97	3.83	3.50	--	--	--
9	3.55	3.35	--	--	4.85	4.07	3.93	3.81	3.57	--	--	--
10	3.54	3.34	--	--	4.92	4.05	3.88	3.78	3.67	--	--	--
11	3.49	3.34	--	--	4.98	4.02	3.87	3.77	3.71	--	--	--
12	3.48	3.32	--	--	5.05	3.99	3.85	3.76	3.73	--	--	--
13	3.47	3.32	--	--	5.03	3.98	3.82	3.91	3.75	--	--	--
14	3.46	3.31	--	--	4.97	3.95	3.80	3.90	3.80	--	--	--
15	3.45	3.31	--	--	4.93	3.91	3.75	3.91	3.86	--	--	--
16	3.45	3.32	--	--	4.87	3.98	3.78	3.88	3.88	--	--	--
17	3.47	3.30	--	--	4.82	3.95	3.74	3.98	3.91	--	--	--
18	3.47	3.29	--	--	4.78	3.95	3.70	3.94	3.90	--	--	--
19	3.53	3.51	--	--	4.70	3.94	3.67	3.90	3.88	--	--	--
20	3.52	3.50	--	--	4.63	3.93	3.67	3.87	3.87	3.60	--	--
21	3.51	3.53	--	--	4.59	4.06	3.74	3.82	3.85	3.20	--	--
22	3.51	3.56	--	--	4.58	4.09	3.85	3.78	3.85	2.84	--	--
23	3.50	3.61	--	--	4.54	4.12	3.86	3.76	3.84	2.51	--	--
24	3.49	3.66	--	--	4.40	4.15	3.90	3.71	3.83	2.17	--	--
25	3.47	3.67	--	--	4.32	4.22	3.89	3.68	3.80	1.91	--	--
26	3.46	3.68	--	--	4.25	4.20	3.84	3.65	3.78	1.69	--	--
27	3.44	3.70	--	4.65	4.18	4.23	3.79	3.60	3.76	1.41	--	--
28	3.45	3.68	--	4.61	4.11	4.23	3.81	3.58	--	1.04	--	--
29	3.45	3.73	--	4.55	4.05	4.34	3.79	3.54	--	.73	--	--
30	3.45	3.72	--	4.78	-----	4.28	3.74	3.61	--	.48	--	--
31	3.44	-----	--	4.84	-----	4.29	-----	3.56	-----	--	--	-----
MAX	3.65	3.73	--	--	5.05	4.34	4.27	3.98	3.91	--	--	--
MIN	3.44	3.29	--	--	4.05	3.91	3.67	3.54	3.42	--	--	--

NOTE.--Less than 0.37 ft, lowest recordable stage, occurred July 31 to Sept. 30.

RED RIVER BASIN

07352895 Black Lake Bayou near Clarence, La.--Continued

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	--	--	--	.59	4.36	2.70	7.82	9.20	4.43	3.79	3.83	4.04
2	--	--	--	.58	4.90	2.82	7.79	9.47	4.29	3.73	3.83	4.01
3	--	--	--	.61	4.89	2.78	7.69	10.47	4.19	3.70	3.81	4.00
4	--	--	--	.60	4.84	2.80	7.49	10.78	4.20	3.69	3.79	3.92
5	--	--	--	.56	4.79	2.80	7.22	10.80	4.12	3.68	3.80	3.72
6	--	--	--	.71	4.72	2.76	6.91	10.72	4.10	3.85	3.79	3.47
7	--	--	--	.92	4.64	2.87	6.69	10.80	4.05	3.85	3.81	3.20
8	--	--	--	1.64	4.62	2.83	6.39	10.95	4.01	3.84	3.81	2.90
9	--	--	--	2.38	4.58	2.85	6.15	10.92	4.00	3.83	3.78	2.63
10	--	--	--	3.13	4.48	2.88	5.87	10.92	3.97	3.84	3.74	2.34
11	--	--	--	3.67	4.41	3.34	5.64	10.67	3.95	3.84	3.71	2.22
12	--	--	--	3.99	4.34	3.66	5.46	10.51	3.95	3.82	3.67	2.01
13	--	--	--	4.23	4.41	3.94	5.32	10.31	3.94	3.81	3.63	1.86
14	--	--	--	4.46	4.48	4.26	5.18	10.12	3.92	3.79	3.60	1.65
15	--	--	--	4.61	4.44	4.52	5.04	9.91	4.00	3.78	3.57	1.41
16	--	--	--	4.69	4.36	5.00	5.06	9.67	4.05	3.77	3.53	1.17
17	--	--	--	4.63	4.28	5.50	5.05	9.43	4.10	3.77	3.54	.94
18	--	--	--	4.54	4.19	5.95	5.23	9.14	4.11	3.73	3.53	.71
19	--	--	--	4.46	4.09	6.32	5.27	8.86	4.05	3.70	3.56	.47
20	--	--	--	4.32	3.98	6.62	5.36	8.52	4.04	3.66	3.53	--
21	--	--	--	4.32	3.82	6.73	5.46	8.14	4.10	3.63	3.51	--
22	--	--	--	4.36	3.65	6.81	5.58	7.70	4.08	3.59	3.48	--
23	--	--	.42	4.40	3.48	6.84	5.75	7.21	4.05	3.62	3.53	--
24	--	--	.51	4.37	3.30	6.87	5.94	6.72	4.02	3.63	3.65	--
25	--	--	.60	4.32	3.10	7.19	6.58	6.16	4.01	3.62	3.75	--
26	--	--	.69	4.39	2.90	7.43	7.27	5.75	3.99	3.63	3.81	--
27	--	--	.69	4.42	2.69	7.53	7.79	5.48	3.95	3.63	3.90	--
28	--	--	.66	4.56	2.60	7.58	8.22	5.17	3.92	3.64	3.97	--
29	--	--	.57	4.54	-----	7.64	8.54	4.93	3.86	3.63	4.01	--
30	--	--	.49	-----	-----	7.69	8.88	4.74	3.82	3.63	4.03	--
31	--	-----	.61	4.38	-----	7.76	-----	4.56	-----	3.74	4.04	-----
MAX	--	--	.69	4.69	4.90	7.76	8.88	10.95	4.43	3.85	4.04	4.04
MIN	--	--	.56	2.60	2.70	5.04	4.56	3.82	3.59	3.48	--	--

NOTE.--Less than 0.37 ft, lowest recordable stage, occurred Oct. 1 to Dec. 22, Sept. 20-30.

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	--	--	--	5.26	12.68	6.73	5.06	4.77	4.46	3.73	3.62	2.62
2	--	--	--	5.21	12.50	6.49	4.99	4.69	4.50	3.68	3.62	2.65
3	--	--	--	5.26	12.27	6.29	4.92	4.60	4.52	3.65	3.75	2.78
4	--	--	--	5.29	11.94	6.11	4.88	4.50	4.57	3.63	3.73	2.67
5	--	--	.43	5.33	11.58	5.92	4.75	4.43	4.66	3.59	3.67	2.61
6	--	--	1.18	5.35	11.20	5.72	4.65	4.35	4.70	3.60	3.64	2.53
7	--	--	2.12	5.62	10.80	5.52	4.56	4.26	4.73	3.65	3.62	2.47
8	--	--	3.03	5.84	10.38	5.29	4.54	4.18	4.75	3.65	3.59	2.20
9	--	--	3.81	5.97	9.88	5.13	4.42	4.14	4.80	3.65	3.64	2.26
10	--	--	4.50	6.11	9.43	4.91	4.32	4.78	4.83	3.64	3.64	2.19
11	--	--	4.97	6.33	8.97	4.81	4.24	4.10	4.83	3.63	3.64	2.05
12	--	--	5.20	6.48	8.48	4.79	5.59	4.12	4.79	3.63	3.63	2.30
13	--	--	5.29	6.60	8.00	4.71	6.19	4.09	4.75	3.62	3.62	2.46
14	--	--	5.28	6.66	7.52	4.67	6.40	4.08	4.70	3.63	3.65	2.60
15	--	--	5.23	6.69	7.03	4.71	6.36	4.11	4.67	3.85	3.64	2.56
16	--	--	5.16	6.68	6.76	4.86	6.20	4.11	4.65	3.89	3.62	2.61
17	--	--	5.05	6.64	6.50	4.92	5.97	4.10	4.63	3.89	3.60	2.50
18	--	--	4.93	6.58	6.28	5.00	5.73	4.06	4.61	3.88	3.56	2.45
19	--	--	4.83	6.58	6.23	5.12	5.53	4.02	4.58	3.86	3.54	2.38
20	--	--	4.93	7.22	6.10	5.22	5.33	4.99	4.52	3.83	3.53	2.29
21	--	--	4.79	7.74	6.04	5.33	5.14	3.94	4.45	3.81	3.51	2.19
22	--	--	4.72	8.05	6.48	5.27	5.03	3.98	4.37	3.78	3.50	2.05
23	--	--	4.69	8.38	6.61	5.24	5.13	3.96	4.30	3.75	3.48	1.87
24	--	--	4.83	8.89	6.85	5.20	5.13	3.95	4.20	3.72	3.46	2.03
25	--	--	4.91	9.87	6.99	5.18	5.14	3.96	4.12	3.69	3.44	2.09
26	--	--	4.99	10.84	7.02	5.15	5.13	4.02	4.04	3.68	3.48	2.08
27	--	--	5.07	11.59	--	5.20	5.06	4.12	3.96	3.68	3.05	2.02
28	--	--	5.14	12.15	--	5.17	4.96	4.18	3.89	3.65	2.71	1.94
29	--	--	5.25	12.69	-----	5.19	4.87	4.27	3.83	3.63	2.44	1.92
30	--	--	5.29	12.88	-----	5.17	4.77	4.34	3.78	3.61	2.47	2.11
31	--	-----	5.31	12.82	-----	5.11	-----	4.43	-----	3.65	2.47	-----
MAX	--	--	5.31	12.88	12.68	6.73	6.40	4.99	4.83	3.89	3.75	2.78
MIN	--	--	--	5.21	--	4.67	4.24	3.94	3.78	3.59	2.44	1.87

NOTE.--Less than 0.37 ft, lowest recordable stage, occurred Oct. 1 to Dec. 4.

07353000 Saline Bayou near Clarence, La.

LOCATION.--Lat 31°49'05", long 92°56'55", in SE¼ sec.26, T.10 N., R.6 W., Natchitoches-Winn Parish line, near center of span on downstream side of bridge on U.S. Highway 84, 1.8 mi (2.9 km) downstream from Bayou Bourbeaux, 4.0 mi (6.4 km) downstream from Allen Dam, 4.6 mi (7.4 km) east of Clarence, and 6.7 mi (10.8 km) upstream from mouth.

DRAINAGE AREA.--1,386 mi² (3,590 km²).

PERIOD OF RECORD.--October 1949 to December 1973. January 1974 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 72.75 ft (22.174 m) above mean sea level (levels by Louisiana Department of Public Works). Prior to Nov. 2, 1954, nonrecording gage at same site and datum. Supplementary water-stage recorder 6.8 mi (10.9 km) upstream, from base gage (see sta 07352895) at datum 94.49 ft (28.800 m) above mean sea level. Prior to Nov. 3, 1954, auxiliary nonrecording gage and Nov. 3, 1954, to Dec. 3, 1969, auxiliary water-stage recorder 5.3 mi (8.5 km) downstream from base gage at datum 72.97 ft (22.241 m) above mean sea level, and Mar. 1 to Dec. 31, 1973, auxiliary nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--24 years, 1,182 ft³/s (33.47 m³/s), 856,400 acre-ft/yr (1.06 km³/yr).

EXTREMES.--1973: Maximum discharge, 4,910 ft³/s (139 m³/s) May 23; maximum gage height, 33.11 ft (10.092 m) May 4; minimum discharge (unaffected by backwater), 0.75 ft³/s (0.002 m³/s) Oct. 21, 22.

1974: Maximum discharge (period October to December 1973), 3,030 ft³/s (85.8 m³/s); maximum gage height, 30.95 ft (9.434 m) Jan. 30; minimum discharge (unaffected by backwater during period October to December 1973) 142 ft³/s (4.02 m³/s) Oct. 12; minimum gage height, 3.86 ft (1.176 m) Aug. 19.

Period of record: Maximum discharge, 14,200 ft³/s (402 m³/s) May 19, 1953; maximum daily reverse flow, 6,570 ft³/s (186 m³/s) May 11, 1958 (backwater from Red River); maximum gage height, 40.46 ft (12.3 m) May 21, 1953; minimum discharge (unaffected by backwater), 0.75 ft³/s (0.002 m³/s) Oct. 21, 22, 1972.

Flood in April 1945 reached a stage of 43.6 ft (13.289 m), from information by local resident.

REMARKS.--Records poor. Considerable regulation by Saline Lake-Black Lake (combined usable capacity, 161,000 acre-ft or 198 hm³). See page 69 for tables of gage height. Records of chemical analyses and water temperatures for the water year 1973 and period October to December 1973 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	587	329	1,150	2,190	2,920	1,130	3,970	2,720	1,110	754	440	678
2	587	205	1,090	2,190	3,750	1,050	4,010	2,770	928	708	442	664
3	456	107	1,030	2,210	4,060	1,250	4,140	3,300	838	655	436	648
4	467	119	1,000	2,200	4,020	1,220	4,290	3,570	740	541	438	1,370
5	537	225	990	2,200	3,980	1,250	4,250	3,940	640	473	457	2,720
6	530	335	980	2,140	3,760	1,310	4,160	3,950	560	473	457	2,920
7	528	578	970	2,310	3,640	1,790	4,050	4,080	500	477	479	2,860
8	525	722	950	2,690	3,520	1,780	3,930	4,210	510	482	495	2,810
9	519	646	930	2,880	3,450	1,880	3,770	4,210	560	464	470	2,790
10	515	540	930	3,160	3,490	1,710	3,390	4,310	560	442	459	2,770
11	480	548	970	3,460	3,360	847	3,040	4,380	710	449	433	2,720
12	436	602	1,010	3,540	3,390	997	2,780	4,350	900	436	372	2,560
13	431	673	1,070	3,550	3,530	1,040	2,550	4,310	1,180	405	363	2,550
14	290	548	1,190	3,380	3,930	1,170	2,380	4,240	1,470	414	316	2,290
15	191	525	1,550	3,280	3,480	1,250	2,150	4,240	1,400	393	255	2,310
16	209	474	1,430	3,570	3,530	1,780	2,120	4,270	1,390	391	275	2,340
17	4.2	474	1,300	3,650	3,290	2,650	2,030	4,340	1,390	377	275	2,350
18	1.0	607	1,600	3,580	3,380	2,800	2,130	4,260	1,310	337	282	2,370
19	1.3	536	1,950	3,520	3,310	2,740	2,620	4,480	1,170	328	297	2,370
20	1.0	657	2,040	3,390	3,130	3,140	2,710	4,650	932	294	284	2,330
21	.8	772	2,130	3,430	2,960	3,510	2,830	4,720	841	294	286	2,240
22	122	860	2,170	3,380	2,860	3,840	2,790	4,850	790	301	276	2,070
23	357	980	2,240	3,450	2,790	4,120	2,480	4,800	855	291	272	1,980
24	357	1,130	2,230	3,410	2,590	4,340	2,150	4,430	970	305	268	1,920
25	353	1,250	2,180	3,470	2,650	4,480	2,450	3,950	984	282	375	1,810
26	220	1,240	2,240	3,410	2,530	4,470	2,740	3,210	1,060	273	481	1,740
27	155	1,230	2,190	3,580	2,470	4,330	2,420	3,640	1,040	285	571	1,680
28	290	1,210	2,210	3,720	1,510	4,110	2,120	2,290	975	280	630	1,640
29	349	1,190	2,130	3,670	-----	3,870	2,110	1,890	874	296	654	1,590
30	284	1,170	2,160	3,440	-----	3,740	2,550	1,620	849	281	663	1,520
31	338	-----	2,140	3,080	-----	3,900	-----	1,320	-----	372	668	-----
TOTAL	10,111.3	20,482	48,150	97,130	91,980	77,494	89,150	117,300	28,140	12,553	12,869	62,610
MEAN	326	683	1,553	3,133	2,985	2,500	2,972	3,784	938	405	415	2,087
MAX	587	1,250	2,240	3,720	4,060	4,480	4,290	4,850	1,470	754	668	2,920
MIN	.80	107	930	2,140	1,610	847	2,030	1,320	500	273	255	648
AC-FT	20,060	40,630	95,510	192,700	182,400	153,700	176,800	232,700	55,820	24,900	25,530	124,200
CAL YR 1972	TOTAL	311,706.1	MEAN	852	MAX	4,000	MIN	.80	AC-FT	618,300		
WTR YR 1973	TOTAL	667,969.3	MEAN	1,830	MAX	4,850	MIN	.80	AC-FT	1,325,000		

RED RIVER BASIN

07353000 Saline Bayou near Clarence, La.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, OCTOBER TO DECEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,410	743	1,030									
2	1,150	729	1,010									
3	1,020	1,020	1,200									
4	846	885	1,440									
5	683	951	1,480									
6	675	795	2,020									
7	711	889	2,410									
8	600	993	1,400									
9	430	1,000	1,190									
10	413	1,440	1,340									
11	373	1,530	1,540									
12	241	1,670	2,210									
13	434	1,790	2,550									
14	644	1,910	2,650									
15	679	1,940	2,740									
16	492	1,970	2,340									
17	1,050	1,980	2,480									
18	1,090	1,990	2,210									
19	919	1,990	2,170									
20	637	2,000	2,220									
21	757	1,960	1,850									
22	1,180	1,910	1,750									
23	1,290	1,860	1,610									
24	1,360	1,800	1,830									
25	1,300	1,770	2,010									
26	1,250	1,590	2,170									
27	1,250	1,260	2,310									
28	1,210	1,250	2,370									
29	999	965	2,560		-----							
30	737	863	2,620		-----							
31	741	-----	2,840		-----		-----		-----		-----	
TOTAL	26,621	43,445	61,550									
MEAN	859	1,448	1,985									
MAX	1,410	2,000	2,840									
MIN	241	729	1,010									
AC-FT	52,800	86,170	122,100									

CAL YR 1973 TOTAL 720,842 MEAN 1,975 MAX 4,850 MIN 241 AC-FT 1,430,000

07353000 Saline Bayou near Clarence, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.96	7.40	12.70	14.65	18.31	12.14	29.23	32.36	13.89	13.23	6.63	7.02
2	5.96	7.19	11.68	14.60	20.35	11.61	28.95	32.56	13.36	12.65	6.97	6.93
3	5.24	6.51	10.70	14.57	20.63	12.19	28.55	32.97	13.17	12.16	6.81	6.82
4	5.30	7.29	10.53	14.45	20.40	12.19	28.05	33.07	12.65	11.55	6.64	10.50
5	5.69	13.48	10.66	14.43	20.15	12.73	27.42	32.96	12.18	11.07	6.50	14.64
6	5.65	17.37	10.47	14.72	20.09	15.03	26.74	32.83	12.34	10.57	6.29	15.20
7	5.64	18.56	10.18	15.30	20.11	18.39	26.27	32.89	15.37	9.94	6.07	15.03
8	5.62	18.72	9.74	16.09	20.17	20.37	25.64	33.00	19.65	10.19	5.81	14.89
9	5.59	18.31	9.14	16.57	20.26	21.76	24.94	32.94	22.18	10.80	5.61	14.82
10	5.57	17.80	9.70	17.15	20.29	22.35	24.12	32.74	23.84	10.54	5.53	14.76
11	5.37	17.80	10.48	17.75	20.71	22.27	23.30	32.46	25.00	9.82	5.34	14.76
12	5.13	18.25	12.00	17.98	21.71	22.37	22.57	32.28	25.75	9.09	4.90	15.39
13	5.10	18.65	12.96	18.09	22.63	22.66	21.90	32.20	26.23	8.54	4.83	16.64
14	4.27	18.28	13.36	18.15	23.07	23.50	21.23	31.97	26.75	8.11	5.12	16.75
15	3.48	17.35	14.56	17.82	22.85	24.54	20.46	31.61	27.20	7.88	5.36	16.21
16	3.58	16.20	15.77	18.14	22.19	26.28	19.89	31.24	27.45	7.66	5.38	15.64
17	.62	15.50	16.30	18.05	21.35	27.70	20.24	30.87	27.38	7.41	5.35	15.14
18	.31	15.56	16.73	17.64	20.48	28.40	21.61	30.45	26.74	7.20	5.26	14.67
19	.36	16.26	17.14	17.18	19.57	28.60	23.07	29.89	25.45	7.31	5.08	14.34
20	.29	17.05	17.28	16.77	18.82	28.51	25.09	29.12	24.06	7.41	4.83	14.10
21	.26	17.30	17.40	16.88	18.25	28.17	26.54	28.16	22.93	7.40	4.71	14.06
22	2.04	17.02	17.44	17.03	17.86	27.66	27.35	27.06	21.69	7.33	4.48	13.96
23	4.69	16.55	16.94	17.18	17.41	27.10	27.99	25.78	20.61	7.15	4.45	13.57
24	4.69	16.20	16.32	17.21	16.92	26.78	28.51	24.44	20.12	6.97	4.85	13.11
25	4.66	16.11	15.89	17.46	16.59	27.05	29.26	22.73	20.16	7.00	5.53	12.57
26	3.79	16.01	15.60	18.02	16.29	27.39	30.08	20.84	20.12	7.15	6.02	12.30
27	3.26	15.50	15.35	18.47	15.79	27.83	30.79	19.29	19.30	7.24	6.37	12.04
28	4.27	14.72	15.14	19.06	13.96	28.27	31.35	18.18	17.74	7.09	6.70	11.77
29	4.64	14.11	14.87	19.16	-----	28.68	31.76	17.04	16.00	6.78	6.86	11.57
30	6.34	13.46	14.79	18.76	-----	29.02	32.10	15.74	14.44	6.26	6.92	11.35
31	6.97	-----	14.70	17.81	-----	29.28	-----	14.60	-----	6.27	6.95	-----
MAX	6.97	18.72	17.44	19.16	23.07	29.28	32.10	33.07	27.45	13.23	6.97	16.75
MIN	.26	6.51	9.14	14.43	13.96	11.61	19.89	14.60	12.18	6.26	4.45	6.82

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.07	12.16	23.47	21.28	30.79	22.26	14.21	17.72	10.65	11.40	5.20	6.30
2	10.69	12.07	24.43	20.40	30.56	21.48	13.73	16.98	11.09	10.66	5.20	6.41
3	10.88	13.56	25.01	20.00	30.25	20.10	13.09	16.22	11.52	10.13	5.84	7.31
4	13.14	15.46	25.85	20.15	29.73	18.77	12.86	15.48	11.78	9.87	5.78	10.19
5	13.37	17.39	27.08	20.28	---	18.18	12.20	14.98	12.00	9.65	5.65	10.88
6	12.87	19.10	27.81	19.86	---	17.28	11.55	15.76	12.21	9.52	5.48	11.44
7	12.28	19.76	28.38	20.14	27.95	16.31	10.87	18.18	12.48	9.38	5.14	12.32
8	11.83	20.37	28.66	19.92	27.45	14.72	10.65	19.76	12.98	9.23	4.68	14.02
9	10.68	20.45	28.81	20.66	26.90	13.74	9.87	20.73	14.14	9.10	4.88	14.22
10	10.01	19.98	28.65	20.96	26.36	12.92	9.20	20.64	17.63	8.86	4.85	14.06
11	9.48	19.25	28.32	21.87	25.79	12.42	8.84	20.12	20.31	8.79	4.87	14.04
12	9.22	17.84	27.75	22.83	25.22	12.46	19.04	19.52	21.88	8.65	4.71	12.36
13	9.61	16.52	27.12	23.33	24.56	12.31	22.16	18.81	22.72	8.36	4.50	12.03
14	11.25	15.95	26.44	23.92	23.70	12.51	21.96	17.65	23.50	8.06	4.58	11.78
15	11.72	15.62	25.56	24.25	22.70	12.83	21.54	16.29	24.31	8.23	4.38	14.52
16	12.86	15.40	24.25	24.32	22.28	13.74	20.37	14.84	24.87	8.09	4.21	16.63
17	16.42	15.09	22.67	24.27	21.48	14.20	18.95	13.62	25.23	7.76	4.06	18.38
18	19.09	14.67	21.04	24.22	20.37	15.29	17.52	12.69	25.16	7.43	3.92	18.66
19	20.44	14.39	19.83	23.93	20.14	16.52	16.37	11.87	24.71	7.18	3.87	18.65
20	20.74	14.20	19.40	25.20	19.59	17.00	15.34	11.34	23.99	6.94	3.94	18.63
21	20.14	14.16	18.77	25.69	19.16	17.29	14.43	11.01	23.01	6.72	4.79	18.77
22	18.63	14.09	18.37	25.88	21.43	16.78	13.70	10.95	21.86	6.48	5.76	18.98
23	17.27	14.05	18.09	26.26	22.34	16.48	14.47	10.66	21.00	6.23	5.84	19.07
24	16.09	13.92	18.32	26.82	22.96	16.19	15.18	10.18	20.13	6.07	5.54	17.47
25	15.07	13.77	19.36	28.23	23.20	15.98	16.03	9.81	18.98	5.94	5.30	16.77
26	14.30	14.08	20.10	29.26	23.02	15.45	16.51	9.75	17.66	6.00	5.30	17.57
27	13.79	15.93	20.64	29.92	22.86	15.55	17.09	9.78	16.30	6.27	12.09	17.94
28	13.56	17.61	21.16	30.30	22.62	15.34	17.86	9.77	14.91	6.20	12.03	18.25
29	13.20	20.00	21.77	30.78	-----	15.35	18.21	9.79	13.55	5.94	11.96	19.20
30	12.21	21.82	22.21	30.95	-----	15.37	18.00	9.92	12.37	5.68	8.18	20.00
31	12.25	-----	21.93	30.93	-----	14.94	-----	10.17	-----	5.50	6.38	-----
MAX	20.74	21.82	28.81	30.95	30.79	22.26	22.16	20.73	25.23	11.40	12.09	20.00
MIN	9.22	12.07	18.09	19.86	19.16	12.31	8.84	9.75	10.65	5.50	3.87	6.30

RED RIVER BASIN

07353520 Nantachie Lake near Aloha, La.

LOCATION.--Lat 31°37'00", long 92°47'04" in sec.4, T.7 N., R.4 W., Grant Parish, at dam 2.5 mi (4.0 km) northwest of Aloha.

DRAINAGE AREA.--80.4 mi² (208 km²).

PERIOD OF RECORD.--February 1969 to current year (gage heights and discharge measurements only).

GAGE.--Water-stage recorder and concrete dam. Datum of gage is 92.28 ft (28.127 m) above mean sea level (levels by Louisiana Department of Public Works.

EXTREMES. Maximum and minimum gage heights for water years 1969-74 are contained in the following table:

Water year	Maximum		Minimum	
	Date	Gage height (feet) (metres)	Date	Gage height (feet) (metres)
1969a	May 9, 1969	4.88 1.487	Sept. 30, 1969	2.20 .670
1970	Mar. 5, 23, 24, 1970	3.80 1.158	--	(b)
1971	May 13, 1971	4.27 1.301	July 23, 24, 1971	2.66 .811
1972	Jan. 5, 1972	4.75 1.448	Sept. 23, 1972	2.61 .796
1973	May 3, 1973	4.89 1.490	Oct. 22, 1972	2.50 .762
1974	Apr. 13, 1974	9.12 2.780	--	(b)

a Period Feb. 25 to Sept. 30.

b Less than 2.14 ft (0.652 m), lowest recordable stage, occurred Oct. 6-9, 23-30, 1969.

Period of record: Maximum gage height, 9.12 ft (2.780 m) Apr. 13, 1974; minimum not determined.

REMARKS.--Reservoir is formed on Nantachie Creek by earthfill dam, completed in 1964. Storage began Oct. 19, 1964. The dam contains a 150-ft (46-m) concrete spillway.

Discharge measurements made during collection of record

Date	Discharge (ft ³ /s) (m ³ /s)		Date	Discharge (ft ³ /s) (m ³ /s)		Date	Discharge (ft ³ /s) (m ³ /s)	
Apr. 30, 1969	55.7	1.58	Apr. 6, 1971	22.2	.629	Jan. 9, 1973	525	14.9
July 15, 1969	0	0	May 4, 1971	** .02	** .001	Feb. 27, 1973	57.5	1.63
Oct. 6, 1969	0	0	July 29, 1971	0	0	Mar. 6, 1973	46.0	1.30
Dec. 4, 1969	0	0	Sept. 1, 1971	0	0	July 18, 1973	7.50	.212
Jan. 20, 1970	27.7	.784	Oct. 20, 1971	** .03	** .001	Aug. 30, 1973	0	0
Feb. 23, 1970	18.6	.527	Dec. 1, 1971	5.45	.154	Oct. 2, 1973	8.04	.228
Mar. 3, 1970	63.1	1.79	Jan. 20, 1972	82.9	2.35	Nov. 19, 1973	7.72	.219
May 19, 1970	6.30	.178	Feb. 28, 1972	35.2	.997	Mar. 11, 1974	68.5	1.94
June 30, 1970	0	0	Mar. 31, 1972	68.0	1.92	Apr. 13, 1974	7,550	214
Aug. 13, 1970	0	0	May 17, 1972	107	3.03	Apr. 15, 1974	1,750	49.6
Oct. 9, 1970	0	0	June 26, 1972	0	0	Apr. 26, 1974	163	4.62
Nov. 30, 1970	2.99	.085	Aug. 3, 1972	** .02	** .001	June 6, 1974	2.49	.070
Jan. 12, 1971	32.3	.915	Aug. 28, 1972	0	0	July 18, 1974	2.31	.065
Feb. 25, 1971	44.7	1.26	Oct. 6, 1972	0	0			
Mar. 4, 1971	137	3.88	Dec. 8, 1972	18.6	0.527			

** Field estimate.

07353520 Nantachie Lake near Aloha, La.--Continued

GAGE HEIGHT, IN FEET, FEBRUARY TO SEPTEMBER 1969

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1						3.81	3.37	3.29	3.11	2.85	2.86	2.36
2						3.69	3.35	3.27	3.12	2.84	2.85	2.36
3						3.60	3.35	3.25	3.11	2.83	2.84	2.36
4						3.51	3.33	3.27	3.13	2.81	2.82	2.36
5						3.47	3.34	3.33	3.18	2.79	2.80	2.35
6						3.58	3.35	3.45	3.17	2.78	2.76	2.34
7						3.62	3.34	3.83	3.16	2.78	2.74	2.36
8						3.65	3.32	4.33	3.15	2.77	2.73	2.41
9						3.59	3.30	4.82	3.14	2.75	2.72	2.40
10						3.50	3.34	4.50	3.12	2.73	2.69	2.38
11						3.43	3.39	4.15	3.11	2.75	2.68	2.36
12						3.39	3.44	3.83	3.10	2.84	2.66	2.34
13						3.36	3.83	3.63	3.09	2.84	2.65	2.33
14						3.33	4.02	3.52	3.08	2.83	2.63	2.32
15						3.55	4.08	3.44	3.07	2.82	2.62	2.30
16						3.98	4.00	3.39	3.05	2.82	2.61	2.28
17						4.08	3.89	3.37	3.04	2.81	2.59	2.26
18						4.28	3.83	3.35	3.03	2.80	2.57	2.26
19						4.25	3.88	3.34	3.02	2.78	2.56	2.27
20						4.10	3.88	3.32	3.00	2.82	2.54	2.28
21						3.91	3.73	3.29	2.99	2.82	2.53	2.28
22						3.71	3.58	3.27	2.98	2.84	2.52	2.28
23						3.63	3.48	3.25	2.96	2.84	2.51	2.28
24						3.69	3.42	3.22	2.94	2.84	2.49	2.29
25					3.96	3.69	3.38	3.20	2.92	2.83	2.47	2.28
26					3.73	3.65	3.35	3.20	2.90	2.82	2.46	2.27
27					3.60	3.56	3.34	3.19	2.90	2.82	2.44	2.25
28					3.81	3.48	3.36	3.17	2.89	2.90	2.42	2.24
29					-----	3.44	3.35	3.15	2.88	2.90	2.41	2.22
30					-----	3.42	3.32	3.14	2.87	2.87	2.39	2.21
31		-----			-----	3.39	-----	3.12	-----	2.87	2.37	-----
MAX					--	4.28	4.08	4.82	3.18	2.90	2.86	2.41
MIN					--	3.33	3.30	3.12	2.87	2.73	2.37	2.21

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.19	2.20	2.26	3.65	3.20	3.28	3.35	3.25	3.40	3.05	2.94	2.99
2	2.18	2.20	2.26	3.56	3.33	3.27	3.33	3.56	3.35	3.04	2.92	3.02
3	2.16	2.20	2.25	3.44	3.33	3.36	3.30	3.68	3.28	3.02	2.92	3.05
4	2.15	2.19	2.25	3.37	3.30	3.69	3.28	3.69	3.24	3.01	2.94	3.04
5	2.15	2.18	2.25	3.34	3.28	3.79	3.27	3.59	3.20	2.98	2.98	3.03
6	--	2.17	2.62	3.43	3.26	3.75	3.26	3.47	3.18	2.95	3.04	3.02
7	--	2.17	3.05	3.44	3.24	3.66	3.24	3.39	3.15	2.93	3.05	3.01
8	--	2.16	3.17	3.40	3.23	3.56	3.23	3.33	3.14	2.92	3.08	3.00
9	--	2.16	3.20	3.36	3.21	3.47	3.22	3.27	3.12	2.90	3.07	2.98
10	2.16	2.15	3.20	3.32	3.19	3.42	3.29	3.25	3.11	2.88	3.15	3.00
11	2.20	2.15	3.19	3.34	3.17	3.40	3.35	3.23	3.09	2.85	3.05	3.01
12	2.20	2.15	3.17	3.34	3.17	3.42	3.36	3.20	3.07	2.86	3.04	3.00
13	2.23	2.15	3.16	3.33	3.17	3.39	3.35	3.18	3.07	2.86	3.02	2.98
14	2.22	2.15	3.15	3.29	3.17	3.36	3.32	3.16	3.06	2.85	3.01	2.97
15	2.20	--	3.14	3.27	3.19	3.34	3.29	3.15	3.05	2.84	3.00	2.96
16	2.19	--	3.13	3.25	3.24	3.31	3.30	3.14	3.03	2.85	2.99	2.95
17	2.18	--	3.13	3.24	3.25	3.39	3.29	3.14	3.01	2.85	2.98	2.94
18	2.17	2.17	3.12	3.23	3.26	3.47	3.27	3.12	3.00	2.86	3.00	2.93
19	2.17	2.27	3.12	3.22	3.26	3.48	3.35	3.11	2.98	2.85	2.99	2.92
20	2.16	2.27	3.16	3.20	3.25	3.47	3.46	3.10	2.97	2.84	3.00	2.93
21	2.16	2.27	3.21	3.19	3.23	3.56	3.47	3.10	2.97	2.87	3.03	2.93
22	2.16	2.27	3.21	3.17	3.22	3.71	3.43	3.08	2.99	2.87	3.02	2.92
23	--	2.27	3.20	3.17	3.19	3.78	3.38	3.07	2.98	2.86	3.02	2.91
24	--	2.27	3.18	3.16	3.17	3.78	3.32	3.06	3.01	2.85	3.07	2.91
25	--	2.27	3.17	3.16	3.25	3.66	3.28	3.07	3.03	2.85	3.07	2.99
26	--	2.27	3.15	3.16	3.25	3.57	3.24	3.10	3.02	2.86	3.06	3.10
27	--	2.27	3.14	3.15	3.26	3.48	3.22	3.17	3.01	2.95	3.05	3.09
28	--	2.27	3.13	3.15	3.28	3.43	3.19	3.37	3.03	2.98	3.03	3.07
29	--	2.27	3.23	3.15	-----	3.40	3.18	3.60	3.08	2.97	3.02	3.04
30	--	2.25	3.66	3.14	-----	3.38	3.16	3.63	3.06	2.96	3.01	3.03
31	2.19	-----	3.74	3.12	-----	3.36	-----	3.50	-----	2.95	3.00	-----
MAX	2.23	2.27	3.74	3.65	3.33	3.79	3.47	3.69	3.40	3.05	3.15	3.10
MIN	--	--	2.25	3.12	3.17	3.27	3.16	3.06	2.97	2.84	2.92	2.91

NOTE.--Less than 2.14 ft, lowest recordable stage, occurred Oct. 6-9, 23-30, Nov. 15-17.

RED RIVER BASIN

07353520 Nantachie Lake near Aloha, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.02	--	3.08	3.35	3.11	3.59	3.26	3.04	3.17	2.91	2.91	2.79
2	3.01	--	3.08	3.33	3.10	3.62	3.27	3.03	3.16	2.90	2.90	2.80
3	3.00	--	3.08	3.31	3.09	3.58	3.24	3.02	3.14	2.90	2.91	2.79
4	2.98	--	3.08	3.45	3.12	3.52	3.22	3.00	3.13	2.88	2.91	2.78
5	2.97	--	3.08	3.40	3.17	3.44	3.22	2.99	3.12	2.89	2.92	2.77
6	2.96	--	3.07	3.33	3.18	3.41	3.19	3.00	3.11	2.93	2.94	2.76
7	2.96	--	3.07	3.30	3.19	3.36	3.18	3.39	3.09	2.91	2.93	2.76
8	2.95	--	3.06	3.27	3.18	3.32	3.16	3.52	3.08	2.90	2.92	2.76
9	2.97	--	3.06	3.25	3.17	3.28	3.15	3.45	3.07	2.89	2.92	2.75
10	2.96	--	3.06	3.24	3.15	3.28	3.15	3.42	3.06	2.87	2.94	2.75
11	2.99	--	3.11	3.23	3.16	3.28	3.14	3.62	3.05	2.86	2.96	2.76
12	3.26	--	3.20	3.22	3.23	3.29	3.13	4.11	3.05	2.85	2.96	2.76
13	3.43	--	3.22	3.22	3.25	3.28	3.12	4.26	3.03	2.83	2.96	2.75
14	3.42	--	3.20	3.22	3.24	3.27	3.12	4.14	3.02	2.81	2.96	2.73
15	3.37	--	3.24	3.21	3.25	3.26	3.12	3.99	3.00	2.78	2.95	2.78
16	3.31	--	3.30	3.19	3.26	3.24	3.11	3.76	3.01	2.77	2.94	3.19
17	3.25	--	3.26	3.18	3.26	3.21	3.10	3.58	3.01	2.75	2.92	3.19
18	--	--	3.24	3.18	3.27	3.27	3.11	3.48	3.00	2.73	2.91	3.16
19	--	--	3.21	3.16	3.27	3.47	3.10	3.41	2.98	2.70	2.89	3.15
20	--	--	3.20	3.16	3.29	3.50	3.09	3.42	2.98	2.69	2.88	3.17
21	--	--	3.28	3.15	3.35	3.46	3.10	3.38	2.99	2.68	2.87	3.15
22	--	--	3.38	3.15	3.39	3.43	3.10	3.34	2.98	2.67	2.85	3.13
23	--	--	3.35	3.15	3.36	3.39	3.09	3.30	2.99	2.66	2.84	3.11
24	--	--	3.31	3.15	3.33	3.35	3.08	3.29	2.96	2.66	2.83	3.10
25	--	--	3.28	3.15	3.31	3.32	3.07	3.31	2.95	2.71	2.84	3.09
26	--	--	3.22	3.14	3.54	3.35	3.06	3.29	2.94	2.75	2.83	3.07
27	--	--	3.20	3.13	3.65	3.33	3.06	3.26	2.93	2.78	2.81	3.07
28	--	--	3.18	3.13	3.65	3.30	3.06	3.24	2.92	2.86	2.80	3.07
29	--	--	3.19	3.12	-----	3.30	3.05	3.21	2.92	2.89	2.77	3.06
30	--	3.08	3.25	3.12	-----	3.28	3.04	3.19	2.91	2.92	2.76	3.06
31	--	-----	3.37	3.12	-----	3.26	-----	3.17	-----	2.93	2.75	-----
MAX	3.43	--	3.38	3.45	3.65	3.62	3.27	4.26	3.17	2.93	2.96	3.19
MIN	--	--	3.06	3.12	3.09	3.21	3.04	2.99	2.91	2.66	2.75	2.73

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.05	2.94	3.09	3.23	3.82	3.32	3.30	3.08	3.05	2.94	3.00	2.84
2	3.04	2.93	3.20	3.35	3.80	3.78	3.26	3.20	3.03	2.94	2.99	2.83
3	3.05	2.92	3.35	3.39	3.67	3.74	3.23	3.37	3.02	2.92	3.00	2.83
4	3.06	2.89	3.32	4.02	3.55	3.65	3.22	3.47	2.99	3.06	3.00	2.82
5	3.06	2.87	3.35	4.67	3.46	3.55	3.19	3.45	2.97	3.13	2.99	2.82
6	3.05	2.86	3.59	4.58	3.41	3.46	3.17	3.35	2.94	3.17	2.96	2.81
7	3.03	2.86	3.60	4.23	3.48	3.40	3.17	3.30	2.93	3.18	2.95	2.80
8	3.01	2.84	3.53	3.94	3.57	3.57	3.16	3.27	2.91	3.16	2.93	2.79
9	3.00	2.84	3.45	3.78	3.67	3.56	3.14	3.23	2.89	3.16	2.91	2.78
10	2.99	2.85	3.39	3.74	3.67	3.48	3.13	3.20	2.88	3.15	2.90	2.76
11	2.97	2.85	3.34	3.63	3.58	3.42	3.12	3.17	2.87	3.13	2.88	2.75
12	2.96	2.84	3.30	3.56	3.56	3.37	3.12	3.25	2.85	3.12	2.86	2.73
13	2.95	2.84	3.30	3.51	3.56	3.34	3.11	3.44	2.85	3.10	2.87	2.72
14	2.93	2.84	3.29	3.45	3.54	3.31	3.11	3.54	2.91	3.09	2.89	2.70
15	2.93	2.84	3.35	3.40	3.52	3.31	3.10	3.52	2.96	3.09	2.88	2.68
16	2.94	2.84	3.51	3.36	3.47	3.36	3.11	3.41	3.09	3.08	2.87	2.69
17	3.04	2.83	3.85	3.34	3.42	3.39	3.11	3.33	3.16	3.09	2.86	2.70
18	3.05	2.93	3.89	3.33	3.44	3.40	3.10	3.27	3.15	3.11	2.86	2.69
19	3.05	3.06	3.81	3.32	3.41	3.36	3.09	3.22	3.14	3.11	2.85	2.68
20	3.05	3.07	3.74	3.37	3.38	3.35	3.09	3.17	3.12	3.10	2.85	2.66
21	3.04	3.07	3.60	3.40	3.36	3.45	3.09	3.14	3.10	3.08	2.84	2.65
22	3.03	3.06	3.47	3.42	3.35	3.50	3.10	3.12	3.09	3.09	2.82	2.63
23	3.02	3.08	3.39	3.42	3.33	3.50	3.09	3.10	3.08	3.08	2.87	2.61
24	3.02	3.09	3.34	3.39	3.31	3.47	3.09	3.09	3.06	3.07	2.86	2.62
25	3.01	3.08	3.31	3.37	3.31	3.46	3.07	3.08	3.05	3.05	2.87	2.63
26	2.99	3.07	3.28	3.34	3.31	3.40	3.06	3.07	3.03	3.03	2.91	2.63
27	2.98	3.07	3.26	3.31	3.29	3.37	3.05	3.06	3.02	3.01	2.91	2.63
28	2.97	3.06	3.25	3.30	3.28	3.40	3.10	3.05	3.00	3.02	2.90	2.64
29	2.96	3.07	3.23	3.34	3.28	3.41	3.10	3.06	2.98	3.03	2.89	2.67
30	2.95	3.07	3.22	3.65	-----	3.36	3.09	3.08	2.96	3.03	2.87	2.69
31	2.94	-----	3.21	3.77	-----	3.34	-----	3.06	-----	3.01	2.85	-----
MAX	3.06	3.09	3.89	4.67	3.82	3.78	3.30	3.54	3.16	3.18	3.00	2.84
MIN	2.93	2.83	3.09	3.23	3.28	3.31	3.05	3.05	2.85	2.92	2.82	2.61

07353520 Nantachie Lake near Aloha, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.67	3.09	3.18	3.43	3.80	3.34	3.50	4.58	3.15	3.07	3.12	3.04
2	2.66	3.10	3.17	3.43	3.87	3.33	3.45	4.80	3.14	3.05	3.20	3.02
3	2.64	3.11	3.17	3.48	3.90	3.31	3.42	4.87	3.13	3.04	3.19	3.03
4	2.64	3.13	3.17	3.51	3.85	3.32	3.38	4.78	3.17	3.04	3.16	3.15
5	2.63	3.13	3.18	3.54	3.82	3.31	3.36	4.55	3.22	3.22	3.14	3.47
6	2.63	3.12	3.19	3.72	3.62	3.40	3.36	4.33	3.21	3.56	3.12	3.64
7	2.62	3.14	3.18	3.85	3.54	3.73	3.50	4.46	3.18	3.50	3.11	3.61
8	2.60	3.14	3.18	4.01	3.55	3.95	3.55	4.57	3.15	3.41	3.12	3.54
9	2.59	3.13	3.21	4.05	3.63	4.02	3.56	4.56	3.13	3.36	3.12	3.43
10	2.58	3.13	3.31	4.04	3.65	3.94	3.52	4.38	3.12	3.30	3.10	3.34
11	2.57	3.12	3.50	3.93	3.66	3.92	3.47	4.01	3.11	3.28	3.09	3.40
12	2.56	3.12	3.62	3.77	3.60	3.97	3.42	3.75	3.13	3.27	3.07	3.41
13	2.55	3.20	3.64	3.66	3.62	4.00	3.39	3.58	3.16	3.22	3.06	3.36
14	2.54	3.33	3.62	3.60	3.89	3.87	3.35	3.47	3.18	3.18	3.05	3.30
15	2.54	3.36	3.78	3.55	3.96	3.70	3.34	3.39	3.19	3.15	3.04	3.29
16	2.53	3.35	3.79	3.50	3.96	4.41	3.70	3.34	3.21	3.13	3.03	3.20
17	2.52	3.30	3.77	3.46	3.87	4.60	4.00	3.30	3.22	3.13	3.02	3.17
18	2.52	3.32	3.72	3.44	3.73	4.47	4.49	3.27	3.22	3.12	3.01	3.14
19	2.54	3.36	3.61	3.42	3.63	4.17	4.50	3.24	3.19	3.11	3.02	3.12
20	2.53	3.32	3.65	3.40	3.56	3.90	4.28	3.23	3.17	3.10	3.01	3.10
21	2.51	3.29	3.77	3.66	3.50	3.68	4.02	3.21	3.20	3.09	3.00	3.09
22	2.63	3.27	3.82	3.84	3.45	3.55	3.80	3.19	3.19	3.08	2.98	3.08
23	2.75	3.23	3.85	3.86	3.43	3.48	3.64	3.18	3.17	3.07	2.96	3.07
24	2.75	3.22	3.85	3.82	3.41	3.89	3.57	3.21	3.15	3.06	2.95	3.10
25	2.74	3.24	3.75	3.70	3.40	4.36	3.50	3.22	3.12	3.06	2.93	3.12
26	2.76	3.23	3.64	3.70	3.38	4.30	3.41	3.21	3.11	3.07	2.94	3.12
27	2.89	3.22	3.54	3.70	3.37	4.12	3.39	3.22	3.10	3.14	2.98	3.13
28	2.91	3.23	3.47	3.72	3.35	3.90	3.45	3.21	3.09	3.13	3.00	3.12
29	2.92	3.21	3.43	3.68	-----	3.74	3.78	3.19	3.09	3.12	3.02	3.13
30	3.00	3.20	3.43	3.63	-----	3.63	4.24	3.17	3.08	3.10	3.03	3.13
31	3.06	-----	3.45	3.58	-----	3.55	-----	3.16	-----	3.08	3.04	-----
MAX	3.06	3.36	3.85	4.05	3.96	4.60	4.50	4.87	3.22	3.56	3.20	3.64
MIN	2.51	3.09	3.17	3.40	3.35	3.31	3.34	3.16	3.08	3.04	2.93	3.02

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.12	3.14	3.28	3.45	3.91	3.34	3.49	3.35	3.17	2.92	2.91	3.12
2	3.12	3.14	3.26	3.42	3.77	3.33	3.39	3.35	3.16	2.91	2.90	3.12
3	3.10	3.14	3.24	3.61	3.67	3.32	3.33	3.33	3.14	2.90	2.91	3.15
4	3.10	3.16	3.45	3.67	3.60	3.30	3.29	3.31	3.13	2.89	2.94	3.12
5	3.09	3.32	3.57	3.67	3.54	3.30	3.24	3.28	3.11	2.89	2.91	3.10
6	3.07	3.38	3.61	3.71	3.51	3.28	3.20	3.27	3.08	2.92	2.88	3.08
7	3.07	3.38	3.58	3.76	3.51	3.26	3.18	3.24	3.07	2.95	2.87	3.07
8	3.06	3.35	3.46	3.80	3.50	3.25	3.18	3.22	3.07	2.95	--	3.13
9	3.05	3.33	3.37	3.96	3.49	3.24	3.16	3.20	3.06	2.96	--	3.20
10	3.04	3.27	3.31	4.02	3.47	3.23	3.14	3.17	3.10	2.96	--	3.26
11	3.07	3.22	3.26	4.14	3.43	3.29	3.17	3.24	3.10	2.95	--	3.30
12	3.13	3.18	3.23	4.14	3.41	3.53	6.80	3.25	3.09	2.94	--	3.28
13	3.20	3.17	3.22	3.98	3.40	3.57	8.26	3.22	3.09	2.92	--	3.24
14	3.33	3.16	3.21	3.83	3.38	3.49	6.08	3.19	3.08	2.93	--	--
15	3.35	3.15	3.20	3.69	3.44	3.40	4.68	3.18	3.07	2.99	--	--
16	3.45	3.14	3.19	3.63	3.62	3.36	4.11	3.16	3.08	3.06	--	--
17	3.40	3.13	3.17	3.59	3.79	3.30	3.62	3.15	3.10	3.07	--	2.22
18	3.35	3.12	3.15	3.56	3.85	3.27	3.19	3.14	3.17	3.08	--	2.20
19	3.30	3.12	3.22	3.73	3.78	3.25	2.84	3.14	3.15	3.07	--	2.19
20	3.25	3.13	3.36	4.11	3.67	3.25	2.93	3.17	3.13	3.06	--	2.17
21	3.21	3.18	3.39	4.21	3.61	3.28	3.10	3.18	3.12	3.05	--	2.15
22	3.18	3.20	3.40	4.17	3.57	3.27	3.27	3.20	3.10	3.03	--	--
23	3.16	3.21	3.36	4.05	3.54	3.28	3.49	3.18	3.08	3.03	--	--
24	3.14	3.21	4.06	4.03	3.51	3.28	3.59	3.16	3.06	3.02	--	--
25	3.12	3.33	4.19	4.29	3.45	3.29	3.59	3.15	3.03	3.00	--	--
26	3.12	3.35	4.05	4.54	3.40	3.32	3.53	3.21	3.01	2.99	--	2.18
27	3.11	3.36	3.97	4.55	3.37	3.46	3.46	3.22	2.98	2.98	--	2.17
28	3.10	3.35	3.86	4.72	3.35	3.56	3.42	3.19	2.97	2.97	--	2.16
29	3.09	3.33	3.72	4.49	-----	3.63	3.38	3.18	2.95	2.95	--	--
30	3.07	3.32	3.60	4.29	-----	3.62	3.36	3.16	2.94	2.93	3.00	--
31	3.13	-----	3.53	4.11	-----	3.58	-----	3.15	-----	2.93	3.07	-----
MAX	3.45	3.38	4.19	4.72	3.91	3.63	8.26	3.35	3.17	3.08	3.07	3.30
MIN	3.04	3.12	3.15	3.42	3.35	3.23	2.84	3.14	2.94	2.89	--	--

NOTE.--Less than 2.14 ft, lowest recordable stage, occurred Sept. 14-16, 22-25, 30.

RED RIVER BASIN

07354000 Little Sandy Creek at Kisatchie, La.

LOCATION.--Lat 31°24'30", long 93°10'15", in SE¼ sec.15, T.5 N., R.8 W., Natchitoches Parish, near right bank at downstream side of bridge on State Highway 117, 0.5 mi (0.8 km) south of Kisatchie, and 2.0 mi (3.2 km) upstream from mouth.

DRAINAGE AREA.--21.4 mi² (55.4 km²).

PERIOD OF RECORD.--September 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is 204.44 ft (62.313 m) above mean sea level. May 20, 1964, to Aug. 31, 1965, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--25 years, 28.7 ft³/s (0.813 m³/s, 18.21 in/yr (463 mm/yr, 20,790 acre-ft/yr (25.6 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 4,410 ft³/s (125 m³/s) Apr. 12 (gage height, 13.05 ft or 3.978 m); minimum daily, 1.8 ft³/s (0.051 m³/s) Aug. 22-24, Sept. 23, 24, 30.

Period of record: Maximum discharge, 5,880 ft³/s (167 m³/s) Apr. 29, 1953 (gage height, 15.36 ft or 4.682 m); minimum, 0.2 ft³/s (0.006 m³/s) Sept. 19, 21, 22, 27, 1956.

REMARKS.--Records fair. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.0	9.1	11	24	48	17	52	14	22	2.9	3.2	3.6
2	5.8	7.9	10	26	45	17	51	18	8.0	2.9	2.8	3.2
3	5.0	7.0	62	195	37	17	26	9.2	6.2	2.9	3.6	2.9
4	4.5	16	258	55	31	18	19	14	5.0	2.4	4.8	2.9
5	4.5	30	29	38	29	16	17	12	4.8	3.2	2.8	2.8
6	4.1	12	21	158	31	15	15	9.2	4.6	5.0	2.5	2.8
7	3.9	9.5	18	64	60	15	15	8.0	4.6	3.8	2.5	2.8
8	3.9	8.6	16	175	34	14	14	7.0	4.8	23	2.5	90
9	3.8	7.5	15	309	29	14	13	6.5	4.6	6.0	2.3	20
10	3.8	7.2	15	90	26	15	12	6.5	5.0	3.4	2.3	6.3
11	33	7.2	14	359	24	26	190	199	4.0	2.9	2.3	5.8
12	18	7.0	14	69	23	24	1,500	25	3.8	2.9	2.1	6.8
13	24	7.0	14	55	22	15	108	12	3.6	2.9	2.9	4.2
14	16	7.0	13	51	22	14	64	9.9	3.4	15	3.4	3.1
15	28	6.7	12	48	27	12	48	8.9	3.4	161	2.2	2.8
16	54	6.4	12	44	30	11	39	8.3	3.6	6.3	2.1	2.6
17	17	6.2	12	42	22	11	32	7.2	3.4	4.6	2.3	2.6
18	10	6.4	12	38	22	11	27	5.8	3.4	3.8	2.3	2.5
19	8.4	6.4	129	587	28	11	25	6.8	3.4	3.2	1.9	2.2
20	7.6	23	35	282	20	11	22	34	3.0	3.2	2.2	2.3
21	7.2	15	18	79	82	26	20	11	3.2	3.1	1.9	2.0
22	7.0	9.6	15	61	34	15	20	15	3.2	2.9	1.8	1.9
23	6.7	8.4	14	60	24	12	26	8.0	3.2	2.6	1.8	1.8
24	6.7	13	835	747	22	12	19	6.5	3.0	2.5	1.8	1.8
25	6.4	166	76	403	20	41	15	5.0	3.0	2.5	2.2	2.8
26	6.2	24	104	449	20	139	14	74	2.6	5.0	3.2	2.6
27	6.2	20	39	109	19	67	12	17	2.6	5.8	2.5	2.5
28	6.0	17	33	787	19	38	10	8.9	2.8	3.2	2.3	2.1
29	5.6	13	31	113	-----	49	10	7.2	3.0	2.3	2.3	2.1
30	6.2	12	29	73	-----	24	9.9	6.5	2.9	2.2	5.5	1.8
31	16	-----	26	58	-----	19	-----	12	-----	3.2	5.3	-----
TOTAL	342.7	496.3	1,942	5,658	850	746	2,444.9	593.4	134.1	296.6	83.6	193.6
MEAN	11.1	16.5	62.6	183	30.4	24.1	81.5	19.1	4.47	9.57	2.70	6.45
MAX	54	165	835	787	82	139	1,500	199	22	161	5.5	90
MIN	3.8	6.2	10	24	19	11	9.9	5.0	2.6	2.2	1.8	1.8
CFSM	.52	.77	2.93	8.55	1.42	1.13	3.81	.89	.21	.45	.13	.30
IN.	.60	.86	3.38	9.84	1.48	1.30	4.25	1.03	.23	.52	.15	.34
AC-FT	680	984	3,850	11,220	1,690	1,480	4,350	1,180	266	588	166	384
CAL YR 1973	TOTAL 18,284.3	MEAN 50.1	MAX 1,160	MIN 2.2	CFSM 2.34	IN 31.78	AC-FT 36,270					
WTR YR 1974	TOTAL 13,781.2	MEAN 37.8	MAX 1,500	MIN 1.8	CFSM 1.77	IN 23.96	AC-FT 27,340					

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-4	0145	5.96	1,170	1-24	1200	6.66	1,580
12-24	0830	7.72	1,780	1-26	0930	5.40	1,200
1-11	0300	5.32	1,180	1-28	0715	8.42	2,170
1-19	1700	5.68	1,280	4-12	0345	13.05	4,410

RED RIVER BASIN

75

07354000 Little Sandy Creek at Kisatchie, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.40	.54	.55	.65	.95	.55	.84	.32	.58	.06	.13	.16
2	.38	.49	.54	.68	.91	.55	.99	.39	.30	.06	.10	.13
3	.37	.45	1.22	1.88	.81	.55	.67	.22	.23	.06	.16	.11
4	.35	.76	2.38	1.04	.74	.56	.58	.31	.18	.03	.22	.11
5	.35	1.10	.98	.83	.72	.53	.54	.28	.17	.08	.10	.10
6	.34	.64	.80	1.57	.74	.52	.52	.22	.16	.18	.08	.10
7	.33	.56	.71	1.14	1.10	.52	.51	.18	.16	.12	.08	.10
8	.33	.52	.67	1.69	.78	.50	.50	.14	.17	.22	.08	1.00
9	.32	.48	.64	2.29	.71	.50	.48	.12	.16	.22	.07	.70
10	.32	.46	.62	1.40	.68	.52	.47	.12	.18	.09	.07	.42
11	.84	.46	.60	2.47	.65	.68	1.17	1.52	.13	.06	.07	.40
12	.84	.45	.60	1.20	.63	.65	5.75	.63	.12	.06	.05	.44
13	.99	.45	.59	1.04	.62	.51	1.45	.43	.11	.06	.11	.34
14	.78	.45	.57	.99	.61	.49	1.02	.36	.10	.22	.15	.27
15	1.06	.44	.55	.95	.69	.45	.80	.33	.10	1.44	.06	.25
16	1.47	.43	.53	.90	.73	.44	.68	.31	.11	.28	.05	.24
17	.80	.42	.53	.88	.62	.43	.58	.28	.10	.21	.07	.24
18	.58	.43	.54	.83	.62	.43	.52	.25	.10	.17	.07	.23
19	.51	.43	1.54	3.08	.70	.44	.49	.25	.10	.13	.03	.21
20	.48	.82	1.08	2.25	.59	.44	.44	.73	.07	.13	.06	.22
21	.46	.74	.71	1.30	1.12	.68	.42	.44	.08	.12	.03	.19
22	.45	.56	.63	1.11	.78	.51	.42	.48	.08	.11	.02	.18
23	.44	.51	.61	1.10	.65	.46	.50	.30	.08	.09	.02	.17
24	.44	.67	4.11	3.77	.61	.46	.40	.24	.07	.08	.02	.17
25	.43	1.99	1.27	2.73	.59	.87	.35	.18	.07	.08	.06	.25
26	.42	.91	1.38	2.85	.59	1.19	.31	.99	.04	.23	.13	.24
27	.42	.83	.84	1.54	.58	1.17	.29	.49	.04	.26	.08	.23
28	.41	.75	.76	4.10	.57	.83	.25	.33	.05	.13	.07	.20
29	.40	.62	.74	1.56	-----	.96	.25	.27	.07	.07	.07	.20
30	.42	.58	.71	1.24	-----	.64	.24	.24	.06	.06	.25	.17
31	.79	-----	.67	1.07	-----	.58	-----	.43	-----	.13	.24	-----
MAX	1.47	1.99	4.11	4.10	1.12	1.19	5.75	1.52	.58	1.44	.25	1.00
MIN	.32	.42	.53	.65	.57	.43	.24	.12	.04	.03	.02	.10

RED RIVER BASIN

07355500 Red River at Alexandria, LA.

LOCATION.--Lat 31°18'46", long 92°26'34", in SE¼ sec.10, T.4 N., R.1 W., Rapides Parish, near center of span on downstream side of old bridge on U.S. Highway 165 between Alexandria and Pineville, and 1.7 mi (2.7 km) downstream from Bayou Rigolette.

DRAINAGE AREA.--67,500 mi² (174,825 km²), of which 5,936 mi² (15,374 km²) above Denison Dam is contributing.

RECORDS AVAILABLE.--October 1973 to current year. Since January 1928, in reports of Mississippi River Commission. Discharge observations in 1858 and intermittently 1879 to 1927, and gage heights since 1872 in reports of Mississippi River Commission.

GAGE.--Wire-weight gage read twice daily. Datum of gage is 44.26 ft (13.490 m) above mean sea level or 44.18 ft (13.466 m) above mean Gulf level, datum of Mississippi River Commission (levels by Corps of Engineers). Prior to July 14, 1934, nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum gage height, 31.30 ft (9.449 m) Dec. 10; minimum, 1.02 ft (0.311 m) Aug. 18.
Maximum stage known, 45.2 ft (13.770 m) Apr. 16-18, 1945, minimum, -3.7 ft (1.128 m) Sept. 29, 1881.

REMARKS.--Regulation by Lake Texoma, Millwood Reservoir, and Texarkana Reservoir. Records of chemical analyses and suspended sediment for the water year 1974 are published in Part 2 of this report.

COOPERATION.--Gage-height record furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1211: Drainage area. WSP 1241: 1929-36.

NOTE.--Daily discharge records for 1974 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

DAILY DISCHARGE RECORDS FOR 1973 WATER YEAR ARE PUBLISHED ON PAGE 223 OF THIS REPORT.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.41	12.84	24.84	23.63	28.25	17.79	13.16	20.46	7.20	12.83	3.62	4.05
2	6.14	12.33	26.29	22.82	28.45	17.61	12.17	19.91	7.58	12.03	3.27	3.03
3	6.54	13.20	27.00	22.32	27.00	17.15	11.80	19.01	8.50	11.90	3.30	3.63
4	9.32	16.44	27.73	22.54	27.07	16.21	10.56	18.40	9.28	11.23	3.35	5.76
5	13.51	18.59	28.63	22.52	25.07	15.35	9.46	17.59	9.51	10.80	3.55	7.99
6	14.25	20.75	29.62	22.02	24.83	14.67	9.41	17.56	9.73	10.40	3.59	9.69
7	13.57	21.65	30.30	21.65	24.04	13.36	8.65	19.95	10.35	10.30	3.55	11.60
8	12.93	22.54	30.90	21.02	23.53	12.35	8.15	21.86	10.15	9.95	3.10	12.93
9	12.17	22.90	31.23	20.42	22.34	11.39	7.70	23.24	11.43	9.67	2.67	13.57
10	11.25	22.50	31.29	20.16	21.50	10.86	6.81	23.52	16.21	9.35	2.57	13.75
11	10.23	21.70	31.05	19.06	20.87	9.96	6.36	23.20	20.38	9.21	2.60	13.47
12	9.83	20.23	30.60	20.49	19.87	9.96	7.76	22.45	22.79	9.05	2.59	13.25
13	9.69	18.21	29.80	21.60	19.97	10.30	15.14	21.84	24.18	9.00	2.48	12.66
14	9.59	16.25	29.00	21.98	18.57	11.32	16.54	21.03	25.12	8.35	2.35	12.50
15	12.07	15.38	28.07	23.50	17.23	12.16	15.97	19.60	26.11	7.94	2.05	12.07
16	13.18	14.60	26.87	23.44	17.15	12.59	14.92	18.05	26.93	7.67	1.56	15.97
17	16.20	14.00	25.60	23.48	17.83	13.24	13.73	16.36	27.42	7.10	1.21	18.44
18	19.99	13.02	24.86	24.20	17.75	13.95	12.86	14.64	27.79	6.57	1.02	19.10
19	22.08	12.22	22.56	24.62	16.96	15.97	12.02	13.53	27.69	5.99	1.12	19.69
20	23.06	11.65	21.46	25.01	16.54	17.01	11.55	12.43	27.22	5.94	1.16	19.38
21	23.80	11.25	21.03	25.12	16.30	17.06	11.52	11.65	26.55	5.19	1.59	19.89
22	23.03	11.48	20.70	25.05	16.66	16.66	11.35	11.65	26.15	4.99	3.15	20.20
23	20.22	11.34	20.42	24.94	18.07	16.28	11.23	11.40	24.70	4.69	4.52	20.10
24	14.52	11.52	20.54	24.76	19.40	15.80	11.87	10.78	23.88	4.40	4.95	20.12
25	17.04	11.62	21.93	26.54	19.86	15.54	15.27	9.95	22.83	4.23	4.60	19.15
26	15.76	11.68	22.66	27.61	19.91	15.02	16.85	8.75	21.60	4.10	4.10	18.98
27	14.70	14.37	23.16	28.18	18.96	14.66	17.01	9.01	20.07	4.32	4.20	19.11
28	13.98	17.73	23.58	28.52	18.06	14.35	19.68	8.70	18.65	4.65	4.39	19.55
29	13.50	20.75	23.96	28.46	-----	14.15	20.69	8.25	17.02	4.66	4.45	21.00
30	13.40	23.00	23.98	28.44	-----	14.04	20.75	7.70	15.36	4.43	4.65	21.40
31	13.18	-----	24.24	28.34	-----	13.01	-----	7.25	-----	4.20	4.15	-----
MAX	23.80	23.00	31.29	28.52	28.45	17.79	20.75	23.52	27.79	12.83	4.95	21.40
MIN	6.14	11.25	20.42	19.05	16.30	9.96	6.36	7.25	7.20	4.10	1.02	3.03

MISSISSIPPI RIVER DELTA

77

07355650 Larto Lake at dam, near Acme, La.

LOCATION.--Lat 31°20'01", long 91°56'10", in SW¼ sec.11, T.4 N., R.5 E., Catahoula Parish, at dam, 3.0 mi (4.8 km) west of Argo, 4.2 mi (6.8 km) upstream from mouth of Larto Bayou, and 7.7 mi (12.4 km) northwest of Acme.

DRAINAGE AREA.--291 mi² (754 km²).

PERIOD OF RECORD.--December 1968 to current year (gage height only).

GAGE.--Water-stage recorder. Datum of gage is 33.00 ft (10.058 m) above mean sea level (levels by Louisiana Department of Public Works).

EXTREMES.--Current year: Maximum gage height 19.21 ft (5.855 m) Feb. 8; minimum, 3.10 ft (0.945 m) Sept. 28.

Period of record: Maximum gage height 26.26 ft (8.004 m), from flood mark, occurred during period May 14-18, 1973; minimum not determined.

REMARKS.--Reservoir is formed from a natural oxbow lake by an earthfill dam, completed in 1959. The dam contains a 57-foot (17-metres) concrete spillway and a 10-foot (3-metres) wide timber gate. The crest of the dam is at a gage height of 12.45 ft (3.795 m), and the invert of the spillway is at 3.95 ft (1.204 m). The capacity at gage height of 3.95 ft (1.204 m) is estimated to be 15,000 acre-ft (18.5 km³). Outflow between gage heights of -2.05 ft (-0.625 m) and 3.95 ft (1.204 m) is regulated by the timber gate.

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.84	3.66	5.67	12.19	18.58	17.41	10.99	12.14	4.93	13.58	4.26	3.72
2	3.80	3.62	5.79	12.14	18.68	17.24	10.88	12.10	4.85	13.21	4.22	3.76
3	3.74	3.59	6.13	12.26	18.89	17.03	10.68	11.97	4.75	12.80	4.25	4.82
4	3.68	3.55	6.64	12.48	18.98	16.80	10.54	11.78	4.74	12.37	4.20	4.80
5	3.61	4.25	7.21	12.65	19.05	16.61	10.34	11.60	4.69	11.96	4.14	3.79
6	3.53	4.33	7.73	12.77	19.12	16.28	10.07	11.35	4.69	11.55	4.06	3.76
7	3.44	4.41	8.33	12.91	19.18	15.93	9.74	11.21	4.76	11.20	4.01	3.76
8	3.36	4.43	9.01	12.94	19.18	15.61	9.46	11.24	4.87	10.87	3.93	3.84
9	3.27	4.47	9.64	12.99	19.07	15.27	9.08	11.28	5.09	10.58	3.87	3.91
10	3.25	4.41	10.25	13.09	19.02	14.93	8.70	11.25	5.49	10.16	3.82	3.95
11	3.17	4.36	10.66	13.36	18.94	14.56	8.30	11.19	6.21	9.73	3.77	3.91
12	3.18	4.31	10.97	13.60	18.85	14.25	8.11	11.00	6.90	9.22	3.72	3.87
13	3.15	4.25	11.20	13.85	18.72	13.96	9.83	10.75	7.58	8.72	3.71	3.81
14	3.38	4.22	11.43	14.10	18.62	13.63	10.88	10.42	8.97	8.26	3.69	3.80
15	4.18	4.18	11.64	14.40	18.51	13.35	11.27	10.08	9.97	7.76	3.68	3.72
16	4.34	4.15	11.81	14.63	18.62	13.05	11.60	9.66	11.18	7.28	3.67	3.64
17	4.69	4.10	11.88	14.80	18.55	12.75	11.79	9.19	11.93	6.77	3.66	3.56
18	4.77	4.06	11.85	14.90	18.47	12.47	11.98	8.72	12.67	6.36	3.65	3.49
19	4.74	4.02	11.76	15.10	18.46	12.31	12.03	8.24	13.14	6.00	3.68	3.41
20	4.68	3.93	11.80	15.46	18.37	12.28	12.06	7.76	13.49	5.72	3.67	3.34
21	4.58	4.29	11.48	15.75	18.20	12.25	11.91	7.24	13.79	5.48	3.67	3.27
22	4.48	4.37	11.23	15.93	18.25	12.05	11.74	6.93	14.01	5.31	3.65	3.21
23	4.38	4.44	10.98	16.16	18.17	11.98	11.68	6.71	14.17	5.12	3.63	3.18
24	4.29	4.51	10.78	16.27	18.14	11.88	11.57	6.47	14.38	4.96	3.62	3.15
25	4.19	4.68	11.16	16.50	18.08	11.75	11.55	6.20	14.49	4.82	3.60	3.15
26	4.10	4.81	11.45	16.91	17.91	11.59	11.61	5.95	14.52	4.72	3.59	3.18
27	4.01	5.17	11.62	17.29	17.74	11.55	11.67	5.68	14.49	4.62	3.64	3.18
28	3.95	5.55	11.75	17.79	17.57	11.46	11.80	5.45	14.36	4.53	3.63	3.15
29	3.83	5.76	11.86	18.24	-----	11.34	11.97	5.27	14.17	4.44	3.63	3.18
30	3.72	5.73	12.01	18.52	-----	11.23	12.10	5.11	13.91	4.37	3.64	3.17
31	3.74	-----	12.15	18.55	-----	11.10	-----	4.99	-----	4.32	3.72	-----
MAX	4.77	5.76	12.15	18.55	19.18	17.41	12.10	12.14	14.52	13.58	4.26	4.82
MIN	3.15	3.55	5.67	12.14	17.57	11.10	8.11	4.99	4.69	4.32	3.59	3.15

07364100 Ouachita River near Arkansas-Louisiana State line

LOCATION.--Lat 33°01'52", long 92°05'16", in SE¼NE¼ sec.25, T.19 S., R.10 W., Union County, on right bank 500 ft (152 m) below lock and dam No. 6, 1.6 mi (2.6 km) north of Arkansas-Louisiana State line, 3.5 mi (5.6 km) downstream from Missouri Pacific Railroad Co. bridge, and 4.5 mi (7.2 km) southeast of Felsenthal, Ark.

DRAINAGE AREA.--10,787 mi² (27,938 km²).

PERIOD OF RECORD.--April 1958 to current year (discharge above 19.0 ft (5.79 m) stage not determined). Gage-height record for some periods collected at same site since 1912 are contained in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 44.09 ft (13.439 m) above mean sea level (levels by Corps of Engineers). Prior to Aug. 26, 1958, nonrecording gage at same site and datum. Water-stage recorder for Ouachita River at Alabama Landing near Hale (sta 07364103) used as auxiliary gage for this station, 16 mi (26 km) downstream from base gage at same datum. Prior to Aug. 26, 1958, nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum gage height, 36.16 ft (11.022 m) Feb. 1; minimum daily discharge, 1,100 ft³/s (31.2 m³/s) Aug. 9-11; minimum gage height, 7.34 ft (2.237 m) Aug. 13.
Period of record: Maximum gage height, 43.04 ft (13.119 m) May 14, 15, 1958 (discharge not determined); minimum daily discharge, 190 ft³/s (5.38 m³/s) Sept. 13, 1971; minimum gage height, 6.58 ft (2.006 m) Sept. 14, 1971.
1912-73: Maximum gage height, 44.2 ft (13.472 m) Apr. 11, 12, 1945; minimum, -0.3 ft (-0.091 m) Nov. 11, 1916; minimum since 1928, 5.8 ft (1.768 m) Aug. 25, 1951.

REMARKS.--Records fair. Discharge computed for stages below bankfull, about 19 ft (5.79 m). Flow regulated by Lake Ouachita since 1952 (usable capacity, 1,903,000 acre-ft or 2.35 km³), Lake Hmaiton since 1932 (usable capacity, 119,560 acre-ft or 147 hm³), Lake Catherine since 1925 (usable capacity, 21,300 acre-ft or 26.3 km³), Lake Greeson since 1949 (usable capacity, 330,000 acre-ft or 407 hm³), by DeGray Lake since August 1969 (capacity, 881,900 acre-ft or 1.09 km³), and by navigation pools. See following page for table of daily gage height. Records of water temperatures for the water year 1974 are published in Part 2 of this report. Records of chemical analyses for Lock and Dam No. 6 for the water year 1974 are published in Part 2 of the Arkansas report (see sta 07364080).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

[illegible]

RED RIVER BASIN

79

07364100 Ouachita River near Arkansas-Louisiana State line.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.78	13.54	21.62	31.90	36.16	33.12	25.89	24.14	21.24	32.42	18.07	14.58
2	10.04	14.29	21.96	31.88	36.12	32.98	25.55	24.51	21.20	32.15	17.00	17.77
3	9.33	16.07	22.26	31.86	36.06	32.90	25.21	24.97	21.07	31.85	15.98	18.43
4	8.03	17.51	22.70	31.84	35.99	32.84	24.81	25.26	21.05	31.52	14.50	19.32
5	8.02	18.17	23.38	31.82	35.94	32.71	24.42	25.54	21.24	31.18	12.78	20.20
6	9.14	18.73	24.50	31.80	35.79	32.51	23.99	25.78	21.33	30.81	11.50	21.15
7	9.63	19.18	25.80	31.75	35.55	32.24	23.52	25.92	21.39	30.65	9.98	21.80
8	9.63	19.48	27.08	31.68	35.44	31.99	22.99	26.06	21.94	30.38	8.65	22.34
9	9.27	19.78	28.20	31.65	35.29	31.78	22.46	26.26	22.75	29.98	7.95	22.71
10	8.07	20.10	29.22	31.66	35.01	31.49	21.92	26.80	23.45	29.69	7.74	23.02
11	7.89	20.27	30.00	31.82	34.84	31.24	21.43	26.08	24.19	29.27	7.67	23.60
12	9.30	20.48	30.56	31.92	34.65	31.14	21.22	25.85	25.12	28.90	7.48	24.18
13	9.84	20.70	31.16	32.19	34.45	30.93	20.96	25.42	26.22	28.58	7.44	24.61
14	10.68	20.71	31.64	32.40	34.23	30.53	20.88	24.90	27.23	28.19	7.55	24.92
15	12.42	20.66	32.08	32.59	34.14	30.35	20.85	24.50	28.27	27.75	8.23	25.06
16	14.86	20.52	32.44	32.80	34.02	30.09	20.81	24.07	29.35	27.44	8.47	25.13
17	17.34	20.22	32.66	33.00	33.87	29.81	20.74	23.63	30.58	27.02	7.78	25.17
18	18.03	19.18	32.75	33.38	33.67	29.61	20.59	23.24	31.55	26.45	7.70	25.18
19	18.57	19.32	32.80	33.70	33.55	29.35	20.33	22.88	32.37	25.92	7.78	25.15
20	18.97	18.75	32.75	33.98	33.35	29.12	20.02	22.57	32.98	25.44	7.78	25.07
21	19.23	18.40	32.72	34.32	33.40	28.92	19.58	22.42	33.38	24.96	7.83	24.98
22	19.38	18.23	32.60	34.46	33.48	28.70	20.17	22.27	33.57	24.27	7.85	24.85
23	19.51	18.32	32.50	34.72	33.48	28.40	21.22	22.12	33.69	23.76	7.82	24.77
24	19.52	18.58	32.46	34.99	33.45	28.11	21.90	21.87	33.72	23.24	7.78	24.53
25	19.47	18.93	32.36	35.28	33.37	27.92	22.21	21.65	33.64	22.73	7.83	24.44
26	19.06	19.28	32.44	35.08	33.32	27.72	22.49	21.57	33.51	22.25	7.88	24.34
27	18.50	19.78	32.50	35.75	33.27	27.39	22.79	21.43	33.39	21.64	8.38	24.16
28	17.75	20.28	32.46	35.88	33.21	27.11	23.05	21.10	33.20	21.06	8.55	24.05
29	16.80	20.74	32.35	36.01	-----	26.78	23.40	21.02	33.00	20.52	8.25	23.94
30	15.36	21.22	32.00	36.05	-----	26.50	23.81	21.04	32.72	19.98	7.83	23.79
31	14.28	-----	31.98	36.12	-----	26.22	-----	21.04	-----	19.18	10.16	-----
MAX	19.52	21.22	32.80	36.12	36.16	33.12	25.89	26.80	33.72	32.42	18.07	25.18
MIN	7.89	13.54	21.62	31.65	33.21	26.22	19.58	21.02	21.05	19.18	7.44	14.58

07364103 Ouachita River at Alabama Landing near Haile, La.

LOCATION.--Lat 32°52'25", long 92°05'05", in SW¼SW¼ sec.20, T.22 N., R.4 E., Union Parish, on right bank 300 ft (91 m) upstream from road to Alabama Landing, 1.5 mi (2.4 km) downstream from Mud Lake, 9.5 mi (15.3 km) southeast of Marion, and 16 mi (26 km) downstream from gaging station Ouachita River near Arkansas-Louisiana State line (07364100).

DRAINAGE AREA.--11,100 m² (28,749 km²), approximately.

PERIOD OF RECORD.--October 1973 to current year (gage heights only). Unpublished records from April 1958 to September 1973 available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is 44.09 ft (13.439 m) above mean sea level.

EXTREMES.--Current year: Maximum gage height, 36.61 ft (11.159 m) Feb. 1; minimum, 7.44 ft (2.268 m) Oct. 5.

REMARKS.--Flow regulated by Lake Ouachita since 1952 (usable capacity, 1,903,000 acre-ft or 2.35 km³), Lake Hamilton since 1932 (usable capacity, 119,560 acre-ft or 147 hm³), Lake Catherine since 1925 (usable capacity, 21,300 acre-ft or 26.3 hm³), Lake Greeson since 1949 (usable capacity, 330,000 acre-ft or 407 hm³), by DeGray Lake since August 1969 (capacity, 881,900 acre-ft or 1.09 km³), and by navigation pools.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.64	11.99	17.71	31.91	36.60	33.59	26.05	23.78	19.44	32.74	17.64	11.23
2	8.65	11.94	18.30	31.86	36.61	33.49	25.71	24.12	19.53	32.47	16.73	12.77
3	8.26	12.41	19.06	31.89	36.55	33.37	25.35	24.48	19.52	32.18	15.68	13.35
4	7.95	13.12	20.30	31.86	36.45	33.21	24.89	24.84	19.47	31.88	14.12	13.83
5	7.44	13.95	21.50	31.80	36.37	33.06	24.45	25.24	19.57	31.59	12.40	14.33
6	8.16	14.40	22.82	31.78	36.29	32.87	23.97	25.63	19.77	31.29	10.98	14.91
7	8.45	14.79	24.29	31.74	36.14	32.66	23.44	25.72	19.89	30.96	9.75	15.59
8	8.46	15.21	25.79	31.70	35.93	32.42	22.97	25.83	20.53	30.67	8.52	16.73
9	8.35	15.52	27.08	31.69	35.73	32.15	22.40	25.95	21.37	30.36	7.97	18.63
10	7.79	15.77	28.15	31.73	35.55	31.89	21.83	25.97	22.46	29.97	7.81	20.41
11	7.58	16.01	28.95	31.89	35.35	31.63	21.27	25.84	23.57	29.58	7.80	21.80
12	8.23	16.26	29.71	31.99	35.14	31.44	20.91	25.57	24.82	29.16	7.65	22.83
13	8.68	16.49	30.49	32.14	34.88	31.14	20.61	25.15	26.10	28.77	7.54	23.62
14	9.21	16.72	31.06	32.38	34.62	30.87	20.38	24.65	27.21	28.40	7.60	24.09
15	10.35	16.92	31.57	32.62	34.58	30.62	20.13	24.22	28.23	28.01	7.79	24.38
16	11.35	17.02	31.93	32.88	34.43	30.42	19.87	23.74	29.31	27.60	8.00	24.57
17	12.84	17.04	32.14	33.18	34.24	30.17	19.67	23.29	30.42	27.12	7.62	24.68
18	13.37	16.96	32.32	33.43	34.07	29.95	19.45	22.84	31.47	26.60	7.62	24.73
19	13.78	16.78	32.42	33.74	33.98	29.74	19.27	22.43	32.33	26.07	7.69	24.72
20	14.17	16.50	32.50	34.02	33.84	29.49	18.96	22.05	33.02	25.39	7.67	24.63
21	14.51	16.21	32.44	34.26	33.81	29.27	18.59	21.72	33.45	24.86	7.67	24.50
22	14.80	15.90	32.34	34.58	33.90	28.98	18.72	21.49	33.72	24.33	7.66	24.35
23	15.12	15.68	32.24	34.95	33.87	28.72	19.41	21.23	33.87	23.73	7.67	24.23
24	15.31	15.57	32.24	35.35	33.88	28.50	20.05	20.95	33.92	23.15	7.65	24.09
25	15.43	15.70	32.19	35.66	33.81	28.20	20.64	20.64	33.89	22.53	7.66	24.04
26	15.47	15.87	32.16	35.92	33.75	27.94	21.34	20.47	33.78	21.93	7.71	23.94
27	15.36	16.20	32.12	36.15	33.69	27.64	22.01	20.24	33.65	21.39	7.86	23.77
28	15.10	16.54	32.04	36.36	33.65	27.31	22.64	19.90	33.47	20.75	8.07	23.70
29	14.54	16.88	32.05	36.47	-----	27.06	23.11	19.60	33.26	20.07	7.95	23.55
30	13.73	17.24	32.00	36.54	-----	26.74	23.51	19.40	33.00	19.27	7.80	23.44
31	12.90	-----	31.99	36.59	-----	26.38	-----	19.33	-----	18.49	8.83	-----
MAX	15.47	17.24	32.50	36.59	36.61	33.59	26.05	25.97	33.92	32.74	17.64	24.73
MIN	7.44	11.94	17.71	31.69	33.65	26.38	18.59	19.33	19.44	18.49	7.54	11.23

RED RIVER BASIN

81

07364200 Bayou Bartholomew near Jones, La.

LOCATION.--Lat 32°59'25", long 91°39'20", in SE¼SW¼ sec.9, T.23 N., R.8 E., Morehouse Parish, on downstream side of right pier of bridge on State Highway 834, 1 mi (2 km) downstream from Arkansas-Louisiana State line, and 1.6 mi (2.6 km) northwest of Jones.

DRAINAGE AREA.--1,187 mi² (3,074 km²).

PERIOD OF RECORD.--October 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is 79.21 ft (24.143 m) above mean sea level (levels by Corps of Engineers). Auxiliary water-stage recorder at site 4.0 mi (6.4 km) downstream from base gage at different datum. Oct. 1, 1959, to Dec. 6, 1966, auxiliary nonrecording gage 4.1 mi (6.6 km) downstream at datum 1.0 ft (0.305 m) higher. Prior to Oct. 1, 1959, auxiliary water-stage recorder 15.3 mi (24.6 km) upstream from base gage at datum 85.17 ft (25.960 m) above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--17 years, 1,250 ft³/s (35.40 m³/s), 905,600 acre-ft/yr (1.12 km³/yr).

EXTREMES.--Current year: Maximum daily discharge, 6,550 ft³/s (185 m³/s) Jan. 30; maximum gage height, 26.58 ft (8.102 m) Feb. 3; minimum discharge, 147 ft³/s (4.16 m³/s) Oct. 13 (gage height, 2.66 ft or 0.811 m).

Period of record: Maximum daily discharge, 6,680 ft³/s (189 m³/s) Mar. 11-13, 1961; maximum gage height, 28.24 ft (8.608 m) May 21, 22, 1958; minimum discharge, 32 ft³/s (0.906 m³/s) July 22, 1966 (gage height, 0.35 ft or 0.107 m).

REMARKS.--Records fair. Small diversions above station for irrigation. In extreme floods, considerable flow bypasses station. Most of flow is into the Bayou Lafourche-Boeuf River basins via interconnecting system of bayous and drainage ditches and passes stations Bayou Lafourche near Crew Lake and Boeuf River near Girard. (See stations 07369000 and 07368000.) Other flow bypasses station and reenters the basin 5 mi (8 km) downstream via Overflow Creek. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	262	284	1,340	3,500	6,040	3,770	957	3,170	946	3,190	778	478
2	240	273	1,470	3,500	6,040	3,610	988	2,980	1,110	3,120	754	539
3	221	268	1,600	3,500	6,020	3,400	1,030	2,860	1,290	3,040	736	614
4	208	285	1,760	3,400	5,980	3,190	1,070	2,690	1,510	2,940	704	743
5	196	475	1,970	3,200	5,920	2,970	1,090	2,560	1,800	2,750	691	932
6	188	527	2,130	3,000	5,860	2,900	1,100	2,370	2,150	2,690	687	1,150
7	183	545	2,120	2,800	5,770	2,860	1,120	2,250	2,460	2,590	676	1,370
8	175	541	2,230	2,700	5,700	2,730	1,120	2,130	2,720	2,510	669	1,580
9	167	518	2,340	2,600	5,600	2,570	1,090	1,990	2,940	2,370	653	1,820
10	163	503	2,470	2,800	5,470	2,490	1,070	1,880	3,130	2,190	632	2,040
11	158	509	2,600	2,900	5,320	2,410	1,010	1,770	3,280	2,010	610	2,210
12	154	525	2,900	2,800	5,170	2,370	1,130	1,660	3,560	1,850	578	2,330
13	153	537	3,000	3,000	4,900	2,280	1,210	1,540	3,740	1,690	537	2,490
14	159	537	3,100	3,200	4,740	2,170	1,200	1,410	3,880	1,520	512	2,590
15	155	536	3,200	3,500	4,660	2,080	1,250	1,320	3,930	1,340	526	2,700
16	218	547	3,300	4,000	4,590	2,030	1,310	1,200	3,940	1,160	531	2,770
17	447	543	3,300	4,300	4,400	1,970	1,390	1,110	3,930	982	521	2,800
18	528	545	3,250	4,500	4,220	1,900	1,480	1,020	3,940	841	486	2,850
19	550	543	3,200	4,600	4,140	1,800	1,520	940	3,890	719	464	2,850
20	522	549	3,150	4,700	3,950	1,700	1,520	879	3,850	619	461	2,870
21	497	600	3,100	5,000	3,850	1,620	1,500	820	3,810	522	415	2,850
22	458	611	3,050	5,100	3,760	1,510	1,680	803	3,750	454	390	2,790
23	434	602	2,900	5,200	3,720	1,390	2,150	806	3,670	394	361	2,760
24	398	599	2,700	5,500	3,810	1,290	2,230	753	3,620	370	346	2,680
25	357	649	2,800	5,900	3,890	1,190	2,600	682	3,530	348	322	2,660
26	323	642	2,900	6,000	3,930	1,110	2,970	672	3,480	549	303	2,590
27	290	843	3,000	6,200	3,940	1,040	3,180	664	3,390	662	295	2,500
28	273	983	3,100	6,300	3,920	991	3,290	633	3,360	671	280	2,420
29	267	1,050	3,200	6,400	-----	1,020	3,300	650	3,330	705	270	2,420
30	262	1,190	3,300	6,550	-----	984	3,290	694	3,260	722	289	2,260
31	279	-----	3,400	6,300	-----	950	-----	796	-----	756	381	-----
TOTAL	8,885	17,359	83,880	132,950	135,310	64,295	49,845	45,702	93,196	46,274	15,858	63,656
MEAN	287	579	2,706	4,289	4,833	2,074	1,662	1,474	3,107	1,493	512	2,122
MAX	550	1,190	3,400	6,550	6,040	3,770	3,300	3,170	3,940	3,190	778	2,870
MIN	153	268	1,340	2,600	3,720	950	957	633	946	348	270	478
AC-FT	17,620	34,430	166,400	263,700	268,400	127,500	98,870	90,650	184,900	91,780	31,450	126,300

CAL YR 1973 TOTAL 934,948 MEAN 2,562 MAX 6,130 MIN 153 AC-FT 1,854,000
WTR YR 1974 TOTAL 757,210 MEAN 2,075 MAX 6,550 MIN 153 AC-FT 1,502,000

NOTE.--No auxiliary gage-height record Dec. 11 to Feb. 20.

RED RIVER BASIN

07364200 Bayou Bartholomew near Jones, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.98	4.20	12.61	20.08	26.48	21.88	10.32	20.06	10.20	19.62	8.64	6.20
2	3.76	4.17	13.31	20.07	26.55	21.50	10.45	19.58	11.05	19.37	8.52	6.75
3	3.56	4.09	13.86	20.18	26.58	21.05	10.65	19.04	11.88	19.09	8.30	7.42
4	3.41	4.30	14.65	20.12	26.56	20.56	10.75	18.44	12.80	18.75	8.08	8.36
5	3.28	6.17	15.22	19.93	26.52	20.06	10.81	17.85	13.97	18.37	7.91	9.60
6	3.19	6.76	15.67	19.82	26.45	19.55	10.84	17.25	15.44	17.96	7.79	10.85
7	3.12	6.93	15.92	19.74	26.36	19.06	10.83	16.66	16.53	17.50	7.69	11.90
8	3.02	7.02	16.34	19.60	26.22	18.55	10.77	16.08	18.20	17.01	7.61	12.82
9	2.92	7.00	16.79	19.46	26.05	18.04	10.64	15.52	19.20	16.49	7.50	13.76
10	2.87	6.92	17.21	19.77	25.84	17.54	10.45	14.96	20.06	15.91	7.36	14.52
11	2.81	7.03	17.58	20.59	25.61	17.14	10.20	14.45	20.82	15.30	7.17	15.19
12	2.76	7.23	17.85	20.19	25.33	16.90	11.58	13.91	21.37	14.66	6.91	15.76
13	2.74	7.33	18.04	21.28	24.95	16.49	12.00	13.36	21.73	13.97	6.59	16.30
14	2.83	7.35	18.15	21.77	24.60	16.12	11.99	12.80	21.94	13.21	6.36	16.77
15	2.77	7.34	18.20	22.23	24.50	15.83	12.10	12.25	22.00	12.33	6.34	17.17
16	3.52	7.32	18.20	22.57	24.30	15.56	12.34	11.68	21.96	11.42	6.38	17.50
17	5.68	7.27	18.17	22.88	23.92	15.27	12.64	11.06	21.86	10.47	6.30	17.75
18	6.36	7.21	18.09	23.19	23.49	14.93	12.90	10.45	21.74	9.40	6.14	17.94
19	6.67	7.14	18.01	23.53	23.32	14.55	13.07	9.86	21.60	8.37	5.97	18.03
20	6.69	7.15	17.95	23.92	22.91	14.19	13.10	9.34	21.44	7.40	5.80	18.07
21	6.65	7.63	17.79	24.11	22.63	13.92	13.01	8.86	21.27	6.50	5.54	18.04
22	6.48	7.69	17.60	24.24	22.49	13.43	14.46	8.87	21.11	5.74	5.28	17.92
23	6.17	7.65	17.39	24.40	22.35	12.90	16.15	8.90	20.97	5.22	5.00	17.74
24	5.73	7.62	17.69	24.80	22.44	12.38	17.47	8.50	20.84	5.00	4.78	17.47
25	5.25	8.32	18.18	25.15	22.55	11.89	19.34	7.98	20.70	4.80	4.56	17.52
26	4.82	8.40	18.45	25.43	22.55	11.42	20.32	7.95	20.56	6.61	4.39	17.52
27	4.45	10.18	18.75	25.70	22.43	10.98	20.73	7.99	20.40	7.91	4.31	17.25
28	4.23	11.07	19.11	26.02	22.20	10.53	20.82	7.78	20.24	8.05	4.16	16.95
29	4.12	11.32	19.47	26.19	-----	10.62	20.70	7.74	20.07	8.20	4.06	16.67
30	4.06	11.88	19.75	26.32	-----	10.52	20.44	7.96	19.84	8.39	4.25	16.34
31	4.15	-----	19.96	26.41	-----	10.34	-----	8.62	-----	8.57	5.10	-----
MAX	6.69	11.88	19.96	26.41	26.58	21.88	20.82	20.06	22.00	19.62	8.64	18.07
MIN	2.74	4.09	12.61	19.46	22.20	10.34	10.20	7.74	10.20	4.80	4.06	6.20

RED RIVER BASIN

83

07364203 Bayou Bartholomew northwest of Jones, La.

LOCATION.--Lat 32°58'55", long 91°42'00", in NE¼ sec.13, T.23 N., R.7 E., Morehouse Parish, on right bank 0.3 mi (0.5 km) upstream from the mouth of Overflow Creek, 1.3 mi (2.1 km) south of Arkansas-Louisiana State line, 3.2 mi (5.1 km) northwest of Jones, and 4.0 mi (6.4 km) downstream from gaging station Bayou Bartholomew near Jones (07364200).

DRAINAGE AREA.--1,190 m² (3,082 km²), approximately.

PERIOD OF RECORD.--October 1973 to current year (gage heights only). Unpublished records from October 1957 to September 1973 available in files of the Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage not determined.

EXTREMES.--Current year: Maximum gage height, not determined; minimum, 2.28 ft (0.695 m) Oct. 13.

REMARKS.--Small diversions above station for irrigation. In extreme floods, considerable flow bypasses station. Most of flow is into the Bayou Lafourche-Boeuf River basins via interconnecting system of bayous and drainage ditches and passes stations Bayou Lafourche near Crew Lake and Boeuf River near Girard. (see stations 07369000 and 07368000) Other flow bypasses station and reenters the basin 1 mi (2 km) downstream via Overflow Creek.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.56	3.80	11.93	--	--	21.10	9.63	19.26	9.47	18.65	7.86	5.64
2	3.23	3.81	12.64	--	--	20.75	9.72	18.83	10.24	18.40	7.78	6.15
3	3.03	3.72	13.17	--	--	20.34	9.88	18.26	10.98	18.11	7.53	6.78
4	2.90	3.92	14.00	--	--	19.90	9.93	17.66	11.82	17.77	7.34	7.58
5	2.78	5.61	14.41	--	--	19.46	9.93	17.06	12.94	17.39	7.14	8.66
6	2.70	6.22	14.77	--	--	18.88	9.92	16.52	14.42	17.03	6.98	9.81
7	2.64	6.39	15.13	--	--	18.28	9.85	15.93	15.44	16.54	6.88	10.78
8	2.56	6.55	15.53	--	--	17.76	9.77	15.33	17.30	16.02	6.79	11.66
9	2.47	6.62	15.97	--	--	17.28	9.64	14.80	18.38	15.52	6.70	12.58
10	2.42	6.58	16.34	--	--	16.75	9.45	14.21	19.30	15.00	6.60	13.30
11	2.34	6.71	--	--	--	16.34	9.24	13.68	20.15	14.46	6.42	13.97
12	2.31	6.92	--	--	--	16.07	10.95	13.12	20.61	13.83	6.18	14.57
13	2.28	7.00	--	--	--	15.65	11.35	12.57	20.93	13.15	5.88	15.09
14	2.35	7.03	--	--	--	15.32	11.35	12.03	21.08	12.40	5.68	15.57
15	2.32	7.02	--	--	--	15.08	11.40	11.45	21.12	11.51	5.62	15.97
16	2.81	6.95	--	--	--	14.78	11.60	10.89	21.06	10.64	5.58	16.32
17	4.75	6.89	--	--	--	14.48	11.84	10.25	20.93	9.75	5.55	16.60
18	5.60	6.80	--	--	--	14.14	12.05	9.61	20.77	8.70	5.50	16.80
19	5.96	6.71	--	--	--	13.77	12.21	9.01	20.62	7.70	5.36	16.91
20	6.14	6.70	--	--	--	13.44	12.24	8.48	20.45	6.72	5.16	16.94
21	6.21	7.15	--	--	22.01	13.21	12.15	8.00	20.25	5.85	5.00	16.93
22	6.16	7.18	--	--	21.90	12.74	13.64	8.09	20.08	5.12	4.74	16.83
23	5.84	7.17	--	--	21.75	12.24	15.40	8.12	19.97	4.58	4.50	16.65
24	5.40	7.14	--	--	21.80	11.70	16.98	7.75	19.84	4.36	4.25	16.40
25	4.93	7.91	--	--	21.88	11.24	18.91	7.28	19.74	4.22	4.05	16.48
26	4.49	8.05	--	--	21.85	10.77	19.79	7.28	19.60	5.88	3.88	16.58
27	4.14	9.77	--	--	21.68	10.32	20.12	7.38	19.48	7.27	3.75	16.34
28	3.91	10.60	--	--	21.40	9.81	20.14	7.18	19.30	7.44	3.65	16.05
29	3.79	10.78	--	--	-----	9.85	19.97	7.08	19.10	7.57	3.60	15.77
30	3.72	11.23	--	--	-----	9.82	19.64	7.20	18.87	7.72	3.68	15.48
31	3.75	-----	--	--	-----	9.67	-----	7.75	-----	7.84	4.46	-----
MAX	6.21	11.23	--	--	--	21.10	20.14	19.26	21.12	18.65	7.86	16.94
MIN	2.28	3.72	11.93	--	21.40	9.67	9.24	7.08	9.47	4.22	3.60	5.64

LOCATION.--Lat 32°58'55", long 91°48'20", in SE¼ sec.13, T.23 N., R.6 E., Morehouse Parish, near center of span on downstream side of bridge on parish road, 1.9 mi (3.1 km) downstream from Arkansas-Louisiana State line, and 6 mi (10 km) northeast of Beekman.

PERIOD OF RECORD.--October 1955 to current year.

AVERAGE DISCHARGE.--19 years, 279 ft³/s (7.901 m³/s), 202,100 acre-ft/yr (249 hm³/yr).

REMARKS.--Records poor. Some diversions above station for irrigation. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.6	20	4,500	998	1,650	545	950	130	500	55	132	99
2	7.2	24	3,000	751	1,300	257	707	109	738	45	54	197
3	8.1	38	2,000	558	1,010	131	459	105	1,050	34	18	284
4	9.0	75	1,400	454	816	79	343	59	1,250	26	12	345
5	9.2	358	1,500	444	636	98	239	25	1,220	17	11	386
6	7.9	800	1,880	536	475	111	129	12	1,160	12	11	428
7	5.9	1,220	2,030	729	368	93	59	9.0	1,160	11	13	468
8	4.5	1,220	1,980	835	284	75	24	7.9	1,900	11	14	476
9	3.5	1,140	1,590	974	259	60	14	8.1	3,000	10	16	452
10	2.8	962	1,160	1,130	248	50	11	7.4	3,500	11	17	332
11	2.8	738	815	2,870	195	45	11	7.2	3,000	14	16	173
12	4.3	564	503	4,850	175	40	376	8.2	2,400	14	17	99
13	4.6	426	289	4,300	160	150	1,050	8.6	1,600	14	19	84
14	7.4	309	182	3,100	150	400	1,310	9.4	1,000	14	21	105
15	8.1	231	102	2,410	400	450	1,350	9.4	600	13	23	185
16	24	153	63	1,870	900	430	1,220	9.6	400	14	24	312
17	140	84	40	1,480	1,150	330	950	10	200	14	35	406
18	364	35	28	1,180	1,200	280	659	10	125	14	63	438
19	1,370	18	26	999	1,500	231	435	10	110	26	66	408
20	1,640	17	93	1,110	1,600	155	194	11	100	46	54	308
21	1,310	35	194	1,180	1,750	196	71	11	95	32	47	182
22	944	88	310	1,180	2,800	337	393	16	90	18	30	75
23	632	200	394	1,070	4,560	518	10,000	60	87	15	20	22
24	404	500	703	1,320	3,980	543	11,300	190	86	13	16	13
25	178	1,000	1,550	3,030	2,660	454	5,840	286	82	12	15	34
26	60	2,000	2,390	4,190	1,990	350	3,700	288	79	14	14	156
27	16	3,000	3,470	3,680	1,320	248	2,400	286	76	19	14	291
28	13	4,000	3,180	2,840	842	157	1,430	471	80	78	13	438
29	12	5,000	2,370	2,710	-----	201	792	591	75	157	13	500
30	12	5,000	1,710	2,390	-----	600	331	485	64	190	16	449
31	17	-----	1,260	1,990	-----	914	-----	297	-----	178	27	-----
TOTAL	7,227.9	29,255	40,712	57,158	34,378	8,528	46,747	3,546.8	25,827	1,141	861	8,145
MEAN	233	975	1,313	1,844	1,228	275	1,558	114	861	36.8	27.8	272
MAX	1,640	5,000	4,500	4,850	4,560	914	11,300	591	3,500	190	132	500
MIN	2.8	17	26	444	150	40	11	7.2	64	10	11	13
AC-FT	14,340	58,030	80,750	113,400	68,190	16,920	92,720	7,040	51,230	2,260	1,710	16,160

RED RIVER BASIN

85

07364300 Chemin-a-Haut Bayou near Beekman, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.88	12.47	--	18.53	21.89	18.53	18.15	16.50	17.04	13.25	14.07	13.66
2	11.93	12.58	--	18.13	21.43	17.69	17.68	15.10	17.75	13.06	13.08	14.82
3	11.99	12.85	--	17.83	20.98	16.77	16.87	13.99	18.48	12.85	12.40	15.71
4	12.05	13.49	--	17.63	20.59	15.87	16.33	13.21	18.93	12.61	12.14	16.20
5	12.07	16.41	--	17.55	20.20	15.10	15.66	12.59	18.82	12.36	12.04	16.49
6	11.98	17.88	19.28	17.69	19.83	14.46	14.38	12.11	18.63	12.11	12.09	16.73
7	11.83	18.56	19.41	17.96	19.51	13.85	13.21	11.93	18.76	12.04	12.17	16.91
8	11.71	18.56	19.37	18.08	19.23	--	12.58	11.86	19.88	12.05	12.23	16.94
9	11.62	18.45	19.00	18.19	18.99	--	12.25	11.87	23.19	12.03	12.32	16.84
10	11.55	18.17	18.47	18.43	18.76	--	12.09	11.82	23.56	12.03	12.34	16.27
11	11.55	17.75	17.91	20.10	18.55	--	12.07	11.81	23.14	12.21	12.34	14.99
12	11.69	17.28	17.30	21.81	18.34	--	16.50	11.88	22.53	12.22	12.36	13.88
13	11.72	16.73	16.40	22.12	18.12	--	18.32	11.91	21.72	12.21	12.43	13.64
14	11.94	16.14	15.10	21.68	17.93	--	18.68	11.96	20.81	12.21	12.51	13.99
15	11.99	15.59	13.94	21.17	18.36	--	18.73	11.96	19.87	12.19	12.58	15.13
16	12.58	14.73	13.28	20.63	19.09	--	18.55	11.97	18.98	12.20	12.61	16.16
17	14.55	13.64	12.90	20.15	19.36	--	18.15	12.00	18.09	12.23	12.79	16.64
18	16.44	12.80	12.66	19.72	19.45	--	17.56	12.02	17.06	12.25	13.20	16.83
19	18.75	12.39	12.63	19.48	19.75	15.59	16.77	12.03	16.08	12.62	13.24	16.77
20	19.05	12.37	13.79	19.69	19.90	14.76	15.23	12.04	15.34	12.97	13.08	16.35
21	18.68	12.80	15.23	19.84	20.00	15.25	13.42	12.07	14.90	12.73	12.97	15.10
22	18.14	13.70	16.34	19.85	21.02	16.30	16.58	12.33	14.61	12.40	12.70	13.49
23	17.49	--	16.73	19.79	22.44	17.11	23.06	13.24	14.42	12.27	12.46	12.52
24	16.63	--	17.67	20.31	22.54	17.21	24.80	15.19	14.26	12.19	12.34	12.18
25	15.05	--	18.96	21.93	21.86	16.85	23.71	16.00	14.11	12.15	12.27	12.79
26	13.24	--	19.69	23.15	21.03	16.37	22.42	16.01	13.97	12.24	12.24	14.77
27	12.30	--	20.51	23.45	20.15	15.73	21.19	16.00	13.85	12.44	12.20	16.15
28	12.16	--	20.61	23.26	19.31	14.78	19.98	16.92	13.75	13.40	12.18	16.84
29	12.10	--	20.13	23.05	-----	15.31	18.85	17.37	13.62	14.36	12.19	17.04
30	12.13	--	19.55	22.72	-----	17.40	17.75	16.98	13.43	14.74	12.33	16.83
31	12.35	-----	18.99	22.32	-----	18.09	-----	16.07	-----	14.60	12.64	-----
MAX	19.05	--	--	23.45	22.54	18.53	24.80	17.37	23.56	14.74	14.07	17.04
MIN	11.55	12.37	12.63	17.55	17.93	--	12.07	11.81	13.43	12.03	12.04	12.18

RED RIVER BASIN

07364500 Bayou Bartholomew near Beekman, La.

LOCATION.--Lat 32°52'20", long 91°52'04", in SW¼SW¼ sec.21, T.22 N., R.6 E., Morehouse Parish, near right bank on downstream end of pier of bridge on State Highway 139, 0.6 mi (1.0 km) downstream from Bayou de Glaize, 3.6 mi (5.8 km) south of Beekman, and 7.0 mi (11.3 km) northwest of Bastrop court house.

DRAINAGE AREA.--1,645 mi² (4,261 km²).

PERIOD OF RECORD.--August 1928 to September 1931, October 1938 to September 1959. October 1959 to current year (annual maximum and gage heights only). Monthly discharge for some periods, published in WSP 1311. August 1928 to October 1931 (fragmentary) in files of Corps of Engineers, Vicksburg district, since August 1932 in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 70.60 ft (21.519 m) above mean sea level (levels by Corps of Engineers). Feb. 3, 1939, to Aug. 17, 1955, nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum discharge, 9,150 ft³/s (259 m³/s) Jan. 28 (gage height, 25.21 ft or 7.684 m); minimum gage height, 1.74 ft (0.530 m) Oct. 11.

Period of record: Maximum discharge, 14,700 ft³/s (416 m³/s) May 2, 1958 (gage height, 28.30 ft or 8.626 m); minimum gage height, 0.63 ft (0.192 m) July 23-26, 1966, and Nov. 27, 28, 1967.

1928-31, 1938-59: Minimum discharge, 38 ft³/s (1.08 m³/s) July 30, 1956.

A stage of 26.75 ft or 8.153 m (from floodmark) occurred Apr. 17, 1927 (affected by overflow from Mississippi River). A discharge of 12,400 ft³/s or 351 m³/s (gage height, 25.78 ft or 7.858 m) was measured by the Corps of Engineers Jan. 12, 1932.

REMARKS.--Small diversions above station for irrigation. In extreme floods, considerable flow bypasses station. Most of flow is into the Bayou Lafourche-Boeuf River basins via interconnecting system of bayous and drainage ditches and passes the two stations, Bayou Lafourche near Crew Lake and Boeuf River at Girard (see sta 07369000 and 07368000).

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.63	3.00	--	18.84	24.42	21.02	10.14	19.02	9.14	16.50	6.81	5.95
2	2.50	3.00	--	18.49	24.13	20.36	10.46	18.08	9.75	16.32	6.74	5.77
3	2.36	2.96	--	18.31	23.81	19.67	10.43	17.21	10.29	16.12	6.45	5.71
4	2.23	2.95	--	18.30	23.49	18.90	10.00	16.46	11.29	15.89	6.09	6.13
5	2.16	5.12	--	18.01	23.21	18.27	9.56	15.81	12.73	15.64	5.76	6.80
6	2.07	6.15	--	17.75	22.92	17.69	9.21	15.19	14.57	15.35	5.52	7.73
7	1.99	7.14	15.28	17.94	22.65	17.08	8.75	14.60	15.26	15.00	5.36	8.52
8	1.93	8.29	15.70	17.84	22.40	16.55	8.36	14.05	16.76	14.66	5.24	9.46
9	1.88	8.94	16.01	17.70	22.17	16.06	8.06	13.52	18.87	14.27	5.17	10.59
10	1.82	9.08	16.06	17.90	21.95	15.58	7.85	12.97	21.25	13.80	5.12	11.18
11	1.76	8.89	15.93	19.22	21.74	15.11	7.65	12.42	22.07	13.33	5.00	11.48
12	1.89	8.51	15.74	20.52	21.54	14.82	9.64	11.89	22.24	12.80	4.86	11.67
13	1.76	8.02	15.55	21.38	21.33	14.61	12.18	11.36	22.16	12.74	4.68	11.89
14	2.09	7.55	15.34	21.80	21.11	14.55	12.54	10.81	21.84	11.64	4.50	12.20
15	2.02	--	15.14	21.97	21.43	14.50	12.66	10.26	21.38	10.96	4.30	12.61
16	2.08	--	14.98	21.86	21.96	14.35	12.74	9.72	20.87	10.20	4.21	13.09
17	2.79	--	14.88	21.64	21.87	14.05	12.71	9.15	20.29	9.39	4.20	13.60
18	3.76	--	14.81	21.41	21.66	13.70	12.53	8.52	19.72	8.51	4.19	14.09
19	5.24	--	14.76	21.31	21.71	13.32	12.18	7.93	19.15	7.60	4.27	14.43
20	7.51	--	14.92	21.67	21.67	12.95	11.71	7.26	18.55	6.73	4.42	14.67
21	9.32	--	14.95	21.74	21.59	12.83	11.15	6.88	18.14	5.94	4.24	14.74
22	9.64	--	14.96	21.71	21.81	12.77	11.40	6.59	17.84	5.20	4.04	14.65
23	9.19	--	15.00	21.72	22.13	12.36	15.51	6.61	17.67	4.49	3.85	14.39
24	8.27	--	15.45	22.16	22.65	12.03	20.18	6.63	17.48	3.94	3.59	14.16
25	7.12	--	17.12	22.87	22.80	11.72	22.39	6.85	17.34	3.62	3.36	14.08
26	5.77	--	17.81	22.75	22.61	11.25	22.41	7.24	17.20	4.24	3.17	14.51
27	4.47	--	18.58	24.67	22.17	10.68	22.02	7.53	17.07	6.04	3.05	14.53
28	3.62	--	19.30	25.11	21.62	10.04	21.40	7.38	16.94	6.52	2.91	14.42
29	3.12	--	19.58	25.18	-----	9.42	20.64	7.53	16.81	6.60	2.80	14.40
30	2.90	--	19.51	25.00	-----	9.23	19.85	7.86	16.66	6.64	2.86	14.27
31	2.94	-----	19.27	24.74	-----	9.63	-----	7.94	-----	6.70	4.11	-----
MAX	9.64	--	19.58	25.18	24.42	21.02	22.41	19.02	22.24	16.50	6.81	14.74
MIN	1.76	2.95	--	17.70	21.11	9.23	7.65	6.59	9.14	3.62	2.80	5.71

07364700 Bayou de Loutre near Laran, La.

LOCATION.--Lat 32°57'19", long 92°29'59", in NW¼ sec.29, T.23 N., R.1 W., Union Parish, near center of span on downstream side of bridge on parish road, 1.5 mi (2.4 km) southwest of Laran, 1.5 mi (2.4 km) downstream from Lion Creek, and 3.0 mi (4.8 km) upstream from bridge on State Highway 550.

DRAINAGE AREA.--141 mi² (365 km²).

PERIOD OF RECORD.--October 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 112.34 ft (34.241 m) above mean sea level. Prior to Jan. 31, 1956, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--19 years, 181 ft³/s (5.126 m³/s), 17.43 in/yr (443 mm/yr), 131,100 acre-ft/yr (162 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 23,900 ft³/s (677 m³/s) June 9 (gage height, 20.43 ft or 6.227 m, from floodmark); minimum, 13 ft³/s (0.37 m³/s) Aug. 25 (gage height, 1.56 ft or 0.475 m).
Period of record: Maximum discharge, 23,900 ft³/s (677 m³/s) June 9, 1974 (gage height, 20.43 ft or 6.227 m, from floodmark); minimum, 1.0 ft³/s (0.028 m³/s) July 21, 25, 26, 1964; minimum gage height, 1.04 ft (0.317 m) Aug. 16-18, 1967.

REMARKS.--Records good. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	133	700	311	499	159	185	90	750	26	40	531
2	29	146	500	256	400	141	148	106	950	25	45	722
3	26	131	450	349	302	132	109	118	674	24	35	1,270
4	24	177	600	586	226	126	83	100	535	23	30	958
5	23	371	800	772	183	122	69	90	522	31	25	646
6	22	332	1,330	774	167	113	60	120	460	39	22	418
7	21	339	1,360	794	154	107	56	133	317	39	20	262
8	22	421	856	694	140	102	55	100	2,930	46	18	177
9	23	455	582	565	128	98	52	60	20,900	56	19	262
10	24	369	363	508	121	95	52	50	12,000	45	20	379
11	27	231	210	683	113	146	56	60	4,810	37	21	373
12	46	150	142	3,100	107	371	240	140	2,170	31	23	474
13	72	100	119	3,060	104	387	359	150	914	26	22	625
14	139	80	108	1,770	113	321	387	100	508	37	22	636
15	200	60	101	937	374	491	464	60	288	31	21	638
16	250	55	93	626	590	535	478	50	177	30	20	492
17	300	50	88	513	672	371	307	45	122	30	21	381
18	350	45	84	424	704	204	133	40	107	29	21	538
19	320	44	104	432	807	132	72	35	109	27	18	561
20	280	43	204	555	812	109	57	30	105	24	28	387
21	200	50	244	612	782	186	49	30	88	24	29	208
22	120	100	255	661	961	216	1,170	700	75	23	23	134
23	80	110	260	732	897	217	3,510	1,000	60	27	18	97
24	50	100	359	949	820	202	4,280	800	50	42	15	73
25	45	150	513	1,620	728	211	2,660	700	43	63	14	173
26	40	200	626	2,210	531	189	1,250	800	40	77	17	517
27	36	250	952	1,930	340	157	652	900	36	75	18	634
28	35	350	883	1,240	212	146	349	950	32	73	31	637
29	35	450	670	926	-----	347	162	850	30	60	79	725
30	34	600	517	759	-----	375	98	650	27	45	101	606
31	94	-----	411	610	-----	267	-----	550	-----	35	169	-----
TOTAL	3,005	6,092	14,484	29,958	11,987	6,775	17,602	9,607	49,829	1,200	1,005	14,534
MEAN	96.9	203	467	966	428	219	587	310	1,661	38.7	32.4	484
MAX	350	600	1,360	3,100	961	535	4,280	1,000	20,900	77	169	1,270
MIN	21	43	84	256	104	95	49	30	27	23	14	73
CFSM	.69	1.44	3.31	6.85	3.04	1.55	4.16	2.20	11.8	.27	.23	3.43
IN.	.79	1.61	3.82	7.90	3.16	1.79	4.64	2.53	13.15	.32	.27	3.83
AC-FT	5,960	12,080	28,730	59,420	23,780	13,440	34,910	19,060	98,840	2,380	1,990	28,830
CAL YR 1973	TOTAL	98,904	MEAN	271	MAX	2,530	MIN	11	CFSM	1.92	IN	26.09
WTR YR 1974	TOTAL	166,078	MEAN	455	MAX	20,900	MIN	14	CFSM	3.23	IN	43.82
AC-FT	196,200								329,400			

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 6	1945	9.46	1,650	4-24	0230	13.32	4,800
12-27	1630	8.24	1,010	5-23	unknown	unknown	1,100
1-12	1845	12.41	3,760	6- 9	unknown	20.43	23,900
1-26	1500	10.59	2,340	9- 3	1015	8.91	1,330
2-22	1630	8.22	1,010				

RED RIVER BASIN

07364700 Bayou de Loutre near Laran, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.02	3.18	--	4.86	6.07	3.46	3.75	2.70	--	1.83	--	6.19
2	1.89	3.32	--	4.42	5.47	3.27	3.34	2.88	--	1.81	--	7.12
3	1.83	3.15	--	5.14	4.78	3.17	2.91	3.01	6.96	1.78	--	8.77
4	1.79	3.67	--	6.54	4.14	3.09	2.61	--	6.27	1.76	--	8.00
5	1.76	5.29	7.48	7.37	3.72	3.02	2.44	--	6.20	1.90	--	6.81
6	1.74	5.02	8.90	7.38	3.54	2.96	2.33	--	5.85	2.04	--	5.57
7	1.73	5.07	8.97	7.46	3.41	2.89	2.28	--	4.91	2.04	1.68	4.45
8	1.74	5.61	7.70	7.05	3.25	2.83	2.26	--	10.22	2.13	1.67	3.67
9	1.76	5.82	6.52	6.43	3.11	2.79	2.23	--	19.45	2.28	1.70	4.45
10	1.78	5.28	5.24	6.12	3.03	2.75	2.22	--	16.44	2.13	1.71	5.34
11	1.85	4.20	4.01	7.00	2.96	3.30	2.28	--	13.20	2.01	1.72	5.30
12	2.14	--	3.28	11.63	2.89	5.27	4.25	--	10.28	1.92	1.77	5.91
13	2.48	--	3.02	11.58	2.85	5.40	5.21	--	7.80	1.83	1.75	6.72
14	3.24	--	2.90	9.66	2.96	4.94	5.40	--	6.10	2.00	1.75	6.78
15	--	--	2.82	7.99	5.20	6.02	5.87	--	4.65	1.92	1.73	6.78
16	--	--	2.73	6.74	6.56	6.27	5.95	--	3.67	1.90	1.72	6.02
17	--	--	2.67	6.15	6.94	5.27	4.79	--	3.05	1.90	1.74	5.35
18	--	--	2.63	5.63	7.08	3.94	3.18	--	2.89	1.88	1.73	6.27
19	--	--	2.86	5.68	7.50	3.17	2.48	--	2.91	1.84	1.67	6.40
20	--	--	3.95	6.37	7.52	2.91	2.29	--	2.87	1.79	1.86	5.37
21	--	--	4.32	6.67	7.40	3.75	2.19	--	2.68	1.79	1.88	3.97
22	--	--	4.41	6.89	8.05	4.06	7.62	--	2.51	1.77	1.76	3.19
23	--	--	4.45	7.21	7.84	4.07	12.02	--	2.33	1.84	1.66	2.78
24	--	--	5.21	7.93	7.55	3.93	12.90	--	2.20	2.08	1.61	2.49
25	--	--	6.15	9.40	7.17	4.02	11.01	--	2.10	2.36	1.58	3.54
26	--	--	6.74	10.39	6.24	3.80	8.69	--	2.05	2.54	1.65	6.13
27	--	--	8.04	9.93	5.06	3.44	6.83	--	2.00	2.51	1.66	6.76
28	--	--	7.80	8.71	4.02	3.32	5.11	--	1.94	2.49	1.91	6.78
29	1.98	--	6.94	7.91	-----	5.12	3.49	--	1.90	2.40	2.56	7.18
30	1.97	--	6.17	7.32	-----	5.31	2.79	--	1.85	--	2.82	6.62
31	2.75	-----	5.55	6.65	-----	4.50	-----	--	-----	--	3.55	-----
MAX	--	--	8.97	11.63	8.05	6.27	12.90	--	19.45	2.54	3.55	8.77
MIN	--	--	2.63	4.42	2.85	2.75	2.19	--	1.85	1.76	1.58	2.49

RED RIVER BASIN

89

07364840 Lake Claiborne near Aycoc, La.

LOCATION.--Lat 32°44'20", long 92°54'18", in sec.8, T.20 N., R.5 W., Claiborne Parish, on parish road 518 at dam 2.0 mi (3.2 km) northeast of Aycoc.

DRAINAGE AREA.--133 mi² (344 km²).

PERIOD OF RECORD.--1962 (one discharge measurement), February 1968 to current year (gage heights and discharge measurements only).

GAGE.--Water-stage recorder. Datum of gage is 176.00 ft (53.645 m) above mean sea level (levels by Louisiana Department of Public Works).

EXTREMES.--Current year: Maximum gage height, 11.25 ft (3.429 m) Jan. 25; minimum, 8.80 ft (2.682 m) Aug. 26.

Period of record: Maximum gage height, 11.25 ft (3.429 m) Jan. 25, 1974; minimum since conservation pool first filled in May 1968, 3.63 ft (1.106 m) Nov. 17, 1971.

REMARKS.--Reservoir is formed by an earthfill dam, containing an uncontrolled concrete drop inlet spillway near the left end of dam. Outflow below spillway elevation is controlled by sluice gates at outlet. Capacity, 100,000 acre-ft (123 hm³) at 9.0 ft (2.74 m) gage height. Dam completed and storage began in 1966. Reservoir is used for flood control and conservation.

Discharge measurement made during collection of record

Date	Discharge (cfs)
Jan. 21, 1974	824

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.33	9.38	9.84	9.81	10.32	10.09	9.70	9.72	10.07	9.31	9.10	9.22
2	9.30	9.38	9.81	9.77	10.23	10.02	9.66	9.71	10.05	9.28	9.10	9.30
3	9.30	9.37	9.76	10.01	10.17	9.98	9.62	9.68	10.00	9.26	9.10	9.34
4	9.29	9.34	10.32	10.07	10.07	9.91	9.61	9.63	9.95	9.26	9.08	9.31
5	9.28	9.90	10.54	10.02	9.99	9.88	9.54	9.91	10.12	9.25	9.05	9.30
6	9.27	9.91	10.47	9.99	9.92	9.84	9.50	10.02	10.13	9.25	9.03	9.28
7	9.25	9.88	10.34	9.99	9.89	9.80	9.46	10.01	10.08	9.24	9.01	9.27
8	9.24	9.83	10.22	9.95	9.86	9.78	9.48	9.94	10.72	9.23	9.00	9.25
9	9.23	9.80	10.14	9.91	9.79	9.72	9.42	9.87	11.12	9.31	9.00	9.53
10	9.22	9.72	10.05	9.92	9.76	9.68	9.39	9.80	10.96	9.29	9.01	9.68
11	9.20	9.69	9.95	10.59	9.72	9.65	9.38	9.76	10.74	9.27	9.00	9.70
12	9.20	9.63	9.90	10.70	9.70	10.14	9.62	9.74	10.55	9.25	8.98	9.70
13	9.21	9.59	9.88	10.55	9.69	10.24	9.68	9.68	10.37	9.23	8.97	9.78
14	9.30	9.56	9.80	10.40	9.68	10.19	9.70	9.61	10.24	9.21	9.00	9.90
15	9.30	9.53	9.78	10.30	9.97	10.07	9.65	9.58	10.12	9.20	8.99	9.90
16	9.47	9.51	9.72	10.20	10.51	9.99	9.60	9.55	10.03	9.18	8.98	9.86
17	9.50	9.47	9.66	10.11	10.51	9.90	9.57	9.53	9.94	9.17	8.96	9.79
18	9.49	9.43	9.59	10.03	10.40	9.82	9.52	9.50	9.91	9.16	8.93	10.01
19	9.47	9.43	9.56	9.99	10.59	9.80	9.50	9.48	9.84	9.15	8.92	10.05
20	9.44	9.39	9.71	10.26	10.49	9.75	9.76	9.44	9.79	9.14	8.90	9.96
21	9.42	9.46	9.67	10.27	10.41	9.82	9.43	9.42	9.76	9.14	8.90	9.88
22	9.40	9.44	9.63	10.21	11.10	9.78	9.65	9.87	9.69	9.15	8.88	9.81
23	9.39	9.43	9.61	10.18	10.91	9.74	10.30	9.95	9.66	9.15	8.87	9.73
24	9.37	9.42	9.72	10.55	10.76	9.70	10.31	9.91	9.59	9.20	8.85	9.66
25	9.35	9.53	10.01	11.25	10.53	9.70	10.20	9.85	9.52	9.20	8.82	9.71
26	9.33	9.54	10.10	11.06	10.38	9.68	10.09	10.09	9.46	9.20	8.82	9.89
27	9.32	9.74	10.12	10.89	10.25	9.67	9.96	10.27	9.42	9.18	8.85	9.95
28	9.31	9.93	10.03	10.90	10.16	9.64	9.88	10.23	9.38	9.17	8.84	9.92
29	9.29	9.93	9.99	10.79	-----	9.70	9.80	10.13	9.36	9.16	8.82	9.87
30	9.27	9.89	9.90	10.60	-----	9.75	9.75	10.03	9.33	9.15	8.90	9.83
31	9.42	-----	9.86	10.46	-----	9.72	-----	9.95	-----	9.12	8.90	-----
MAX	9.50	9.93	10.54	11.25	11.10	10.24	10.31	10.27	11.12	9.31	9.10	10.05
MIN	9.20	9.34	9.56	9.77	9.68	9.64	9.38	9.42	9.33	9.12	8.82	9.22

07366200 Little Corney Bayou near Lillie, La.

LOCATION.--Lat 32°55'43", long 92°37'56", in NW¼ sec.1, T.22 N., R.3 W., Union Parish, near center of span on downstream side of bridge on State Highway 15, 1.4 mi (2.3 km) east of Lillie, and 2.5 mi (4.0 km) upstream from mouth.

DRAINAGE AREA.--208 mi² (539 km²).

PERIOD OF RECORD.--October 1955 to current year. Prior to October 1957, published as Little Cornie Bayou near Lillie.

GAGE.--Water-stage recorder. Datum of gage is 91.48 ft (27.883 m) above mean sea level. Prior to Jan. 27, 1956, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--19 years, 189 ft³/s (5.35 m³/s, 12.34 in/yr (313 mm/yr), 136,900 acre-ft/yr (169 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 24,000 ft³/s (680 m³/s) June 9 (gage height, 17.54 ft or 5.346 m, from floodmark); minimum, 14 ft³/s (0.396 m³/s) Oct. 5-7, Aug. 24, 25; minimum gage height, 1.73 ft (4.527 m) Aug. 24, 25.

Period of record: Maximum discharge, 24,000 ft³/s (680 m³/s) June 9, 1974 (gage height, 17.54 ft or 5.346 m, from floodmark); no flow Aug. 18-20, Sept. 21 to Oct. 1, Oct. 3-5, 1956, Aug. 11-14, 1964.

REMARKS.--Records good. See following page for table of daily gage height. Records of water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	128	902	455	578	253	254	113	742	36	28	344
2	20	128	689	406	529	216	239	176	574	35	35	657
3	17	100	553	732	448	198	147	155	395	33	29	950
4	15	107	936	1,020	354	181	93	118	251	32	26	672
5	14	350	1,190	950	286	162	76	100	273	38	26	506
6	14	417	2,500	850	238	146	64	148	288	47	25	406
7	15	452	1,560	800	207	134	58	125	255	41	23	308
8	15	473	860	738	189	125	56	79	6,590	59	22	115
9	16	438	620	738	170	119	55	58	19,100	107	23	230
10	21	299	452	633	148	109	53	51	6,000	75	24	344
11	22	148	282	2,560	131	203	56	63	2,950	54	25	401
12	39	92	172	4,400	122	597	302	140	1,390	42	23	486
13	43	68	139	2,740	117	552	453	144	663	36	21	671
14	70	57	121	1,370	121	870	528	97	520	37	24	757
15	78	54	107	910	433	1,000	573	57	391	35	30	534
16	172	51	93	708	820	673	531	50	238	48	26	419
17	325	47	81	607	885	496	403	47	160	57	23	399
18	357	45	76	561	990	342	160	42	143	46	19	404
19	327	43	98	629	1,110	199	70	38	145	38	18	407
20	278	47	278	789	963	150	57	35	120	33	18	386
21	101	102	352	737	936	245	51	35	100	29	20	339
22	48	122	359	684	1,040	341	1,730	539	73	42	19	207
23	40	122	371	797	1,260	344	4,740	863	59	47	16	86
24	35	109	502	1,370	1,490	325	4,920	659	54	35	14	58
25	32	130	689	2,010	893	331	1,940	589	50	34	14	185
26	30	200	1,210	1,920	625	275	891	605	46	35	15	522
27	30	406	1,460	1,610	480	204	603	742	43	42	20	684
28	29	510	1,060	1,200	352	182	430	721	41	36	24	934
29	29	708	782	954	-----	406	223	666	39	30	28	896
30	27	954	642	797	-----	389	112	509	38	26	38	624
31	60	-----	541	656	-----	300	-----	422	-----	25	104	-----
TOTAL	2,344	6,907	19,677	35,331	15,915	10,067	19,868	8,186	41,731	1,310	800	13,931
MEAN	75.6	230	635	1,140	568	325	662	264	1,391	42.3	25.8	464
MAX	357	954	2,500	4,400	1,490	1,000	4,920	863	19,100	107	104	950
MIN	14	43	76	406	117	109	51	35	38	25	14	58
CFSM	.36	1.11	3.05	5.48	2.73	1.56	3.18	1.27	6.69	.20	.12	2.23
IN.	.42	1.24	3.52	6.32	2.85	1.80	3.55	1.46	7.46	.23	.14	2.49
AC-FT	4,650	13,700	39,030	70,080	31,570	19,970	39,410	16,240	82,770	2,600	1,590	27,630
CAL YR 1973	TOTAL 122,845.2	MEAN 337	MAX 3,840	MIN 6.6	CFSM 1.62	IN 21.97	AC-FT 243,700					
WTR YR 1974	TOTAL 176,067.0	MEAN 482	MAX 19,100	MIN 14	CFSM 2.32	IN 31.49	AC-FT 349,200					

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12- 6	1115	8.33	2,820	2-24	0130	7.59	1,730
12-26	2200	7.49	1,600	3-14	2100	7.21	1,270
1-11	2345	9.42	4,810	4-24	0030	10.13	6,270
1-25	0345	7.96	2,240	6- 9	unknown	17.54	24,000

RED RIVER BASIN

91

07366200 Little Corney Bayou near Lillie, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.16	4.31	6.85	5.96	6.27	5.10	5.11	4.15	6.61	2.61	2.32	5.53
2	1.99	4.31	6.51	5.79	6.16	4.91	5.03	4.67	6.26	2.56	2.58	6.36
3	1.85	4.02	6.21	6.56	5.92	4.80	4.45	4.52	5.74	2.51	2.35	6.90
4	1.79	4.00	6.88	6.98	5.58	4.70	3.95	4.22	5.08	2.47	2.23	6.49
5	1.75	5.55	7.15	6.90	5.27	4.56	3.71	4.03	5.21	2.67	2.20	6.10
6	1.75	5.83	8.15	6.78	5.03	4.46	3.49	4.46	5.28	3.00	2.20	5.79
7	1.76	5.95	7.45	6.72	4.85	4.36	3.35	4.27	5.12	2.80	2.09	5.36
8	1.78	6.01	6.79	6.64	4.74	4.29	3.30	3.75	9.91	3.14	2.06	4.15
9	1.83	5.91	6.36	6.44	4.62	4.23	3.26	3.36	16.44	4.11	2.09	4.96
10	2.03	5.32	5.94	6.41	4.47	4.14	3.20	3.14	14.38	3.68	2.15	5.53
11	2.05	4.45	5.24	8.04	4.33	4.70	3.24	3.39	10.71	3.23	2.18	5.77
12	2.69	3.93	4.64	9.23	4.25	6.32	5.31	4.40	7.26	2.83	2.09	6.03
13	2.86	3.56	4.40	8.28	4.22	6.21	5.95	4.44	6.47	2.60	2.04	6.48
14	3.59	3.34	4.25	7.29	4.24	6.70	6.16	3.98	6.13	2.65	2.13	6.65
15	3.75	3.23	4.11	6.85	5.72	6.96	6.27	3.31	5.72	2.57	2.40	6.17
16	4.59	3.13	3.95	6.56	6.74	6.49	6.16	3.09	5.02	3.04	2.23	5.84
17	5.45	3.01	3.80	6.35	6.83	6.07	5.76	3.00	4.56	3.34	2.08	5.76
18	5.59	2.92	3.71	6.23	6.95	5.52	4.49	2.85	4.43	2.96	1.96	5.78
19	5.46	2.88	3.95	6.38	7.08	4.80	3.60	2.69	4.45	2.68	1.88	5.79
20	5.22	3.01	5.22	6.70	6.91	4.48	3.33	2.56	4.24	2.52	1.89	5.71
21	3.94	4.03	5.57	6.62	6.87	5.06	3.15	2.56	4.03	2.35	1.97	5.51
22	3.04	4.26	5.60	6.52	7.00	5.52	7.05	5.86	3.66	2.83	1.94	4.83
23	2.75	4.26	5.65	6.71	7.20	5.54	9.40	6.80	3.37	2.99	1.81	3.83
24	2.59	4.13	6.08	7.27	7.40	5.45	9.48	6.46	3.23	2.57	1.76	3.35
25	2.47	4.33	6.52	7.81	6.83	5.48	7.73	6.31	3.11	2.56	1.74	4.43
26	2.39	4.79	7.15	7.75	6.39	5.21	6.82	6.34	2.97	2.59	1.80	6.13
27	2.37	5.79	7.39	7.50	6.02	4.84	6.34	6.63	2.87	2.83	1.97	6.52
28	2.32	6.11	7.02	7.16	5.56	4.70	5.86	6.60	2.79	2.62	2.14	6.88
29	2.32	6.54	6.69	6.91	-----	5.78	4.92	6.48	2.73	2.36	2.31	6.84
30	2.27	6.91	6.42	6.71	-----	5.72	4.16	6.10	2.68	2.21	2.68	6.38
31	3.25	-----	6.18	6.45	-----	5.33	-----	5.77	-----	2.18	3.86	-----
MAX	5.59	6.91	8.15	9.23	7.40	6.96	9.48	6.80	16.44	4.11	3.86	6.90
MIN	1.75	2.88	3.71	5.79	4.22	4.14	3.15	2.56	2.68	2.18	1.74	3.35

07366300 Bayou D'Arbonne Lake at Farmerville, La.

LOCATION.--Lat 32°45'25", long 92°24'50", in NW¼NW¼ sec.6, T.20 N., R.1 E., Union Parish, near left bank on downstream side of bridge on State Highway 33, 0.6 mi (1.0 km) southwest of Farmerville, and 5.0 mi (8.0 km) upstream from dam.

DRAINAGE AREA.--1,607 mi² (4,162 km²).

PERIOD OF RECORD.--December 1964 to current year (gage heights and discharge measurements only). August 1925 to current year in reports of Corps of Engineers, Vicksburg district. Published as Lake D'Arbonne at Farmerville, December 1964 to September 1968.

GAGE.--Water-stage recorder. Datum of gage is 40.40 ft (12.314 m) above mean sea level (levels by Corps of Engineers).

EXTREMES.--Current year: Maximum gage height, 45.43 ft (13.847 m) June 11; minimum, 39.66 ft (12.088 m) Aug. 25.
 Period of record: Maximum gage height, 45.43 ft (13.847 m) June 11, 1974; minimum, 30.83 ft (9.397 m) Dec. 14, 1970.
 Maximum stage known since 1925, 45.71 ft (13.932 m) Apr. 30, 1958, from records of Corps of Engineers.

REMARKS.--Reservoir is formed by an earthfill dam containing a 799-ft (244-m) uncontrolled concrete spillway at left of dam. Outflow below spillway elevation is controlled by sluice gates at outlet. Capacity, 130,000 acre-ft (160 hm³) at 39.6 ft (12.07 m) gage height. There is no dead storage. Dam completed and storage began in 1964. Reservoir is used for flood control and conservation.

REVISIONS.--WRD 1971: Drainage area.

Discharge measurements made during collection of record

Date	Discharge (cfs)
June 12, 1974	32,200
13	24,300
14	14,700

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40.00	40.17	40.89	41.31	42.14	41.55	40.72	41.23	41.15	40.01	39.82	40.12
2	39.97	40.21	40.97	41.20	41.90	41.35	40.68	41.00	41.22	39.98	39.82	40.20
3	39.95	40.21	41.09	41.15	41.69	41.17	40.66	40.82	41.27	39.95	39.83	40.25
4	39.94	40.19	41.44	41.13	41.52	41.04	40.58	40.67	41.20	39.93	39.80	40.09
5	39.93	40.38	41.57	41.16	41.36	40.91	40.52	40.68	41.20	39.91	39.78	40.00
6	39.91	40.50	41.68	41.25	41.23	40.80	40.45	40.64	41.17	39.92	39.77	40.07
7	39.91	40.62	41.79	41.32	41.06	40.72	40.42	40.58	41.13	39.92	39.75	40.14
8	39.90	40.70	42.15	41.34	40.94	40.65	40.38	40.54	41.25	40.06	39.78	40.12
9	39.90	40.73	42.28	41.36	40.83	40.60	40.32	40.50	41.43	40.20	39.83	40.15
10	39.89	40.72	42.07	41.37	40.74	40.56	40.28	40.46	43.53	40.21	39.84	40.12
11	39.88	40.71	41.78	41.55	40.67	40.55	40.26	40.47	45.41	40.17	39.83	40.08
12	39.92	40.68	41.51	41.59	40.62	40.78	40.46	40.46	44.92	40.13	39.80	40.07
13	39.92	40.63	41.26	41.90	40.58	41.03	40.57	40.41	43.77	40.10	39.79	40.08
14	40.05	40.57	41.04	42.54	40.54	41.23	40.67	40.36	42.94	40.08	39.77	40.11
15	40.07	40.50	40.88	42.72	40.95	41.36	40.65	40.33	42.28	40.06	39.75	40.19
16	40.12	40.42	40.74	42.54	41.47	41.43	40.64	40.28	41.78	40.09	39.73	40.28
17	40.18	40.36	40.62	42.24	41.64	41.44	40.63	40.24	41.39	40.07	39.72	40.30
18	40.26	40.31	40.55	41.94	41.78	41.40	40.64	40.67	41.12	40.04	39.70	40.37
19	40.28	40.26	40.50	41.74	41.96	41.29	40.63	40.16	40.90	40.01	39.69	40.43
20	40.27	40.23	40.58	41.73	41.98	41.13	40.58	40.14	40.72	39.97	39.78	40.53
21	40.27	40.28	40.58	41.63	41.97	41.07	40.52	40.10	40.69	39.95	39.76	40.57
22	40.28	40.28	40.61	41.56	42.60	40.99	40.60	40.25	40.49	39.92	39.74	40.54
23	40.28	40.28	40.62	41.55	42.43	40.94	41.01	40.42	40.41	39.90	39.73	40.42
24	40.27	40.27	40.73	41.81	42.26	40.87	41.37	40.65	40.33	39.90	39.70	40.29
25	40.26	40.33	40.82	42.49	42.23	40.83	42.04	40.85	40.25	39.88	39.68	40.22
26	40.24	40.36	40.95	43.00	42.17	40.78	42.76	41.15	40.20	39.87	39.68	40.24
27	40.20	40.53	41.05	43.29	41.99	40.76	42.72	41.25	40.15	39.87	39.69	40.29
28	40.16	40.71	41.19	43.26	41.78	40.72	42.34	41.28	40.11	39.85	39.74	40.36
29	40.10	40.80	41.37	43.03	-----	40.70	41.92	41.21	40.07	39.83	39.75	40.42
30	40.06	40.85	41.44	42.74	-----	40.68	41.54	41.12	40.04	39.83	39.79	40.45
31	40.16	-----	41.40	42.44	-----	40.72	-----	41.08	-----	39.82	39.90	-----
MAX	40.28	40.85	42.28	43.29	42.60	41.55	42.76	41.28	45.41	40.21	39.90	40.57
MIN	39.88	40.17	40.50	41.13	40.54	40.55	40.26	40.10	40.04	39.82	39.68	40.00

07367000 Ouachita River at Monroe, La.

LOCATION.--Lat 32°30'19", long 92°07'32", in lot 50, T.18 N., R.3 E., Ouachita Parish, near center of span on downstream side of bridge on U. S. Highway 80 at Monroe, 0.4 mi (0.6 km) upstream from Illinois Central Railroad bridge, and 5.5 mi (8.8 km) upstream from lock and dam No. 4.

DRAINAGE AREA.--15,298 mi² (39,622 km²).

PERIOD OF RECORD.--January 1932 to September 1973. Monthly discharge only for some periods, published in WSP 1311. 1884 to 1891 (gage heights), 1892 to 1927 (gage heights and discharge measurements), and since January 1928 (daily discharges) in reports of Mississippi River Commission. Discharge measurements 1929-38 in reports of Corps of Engineers. Daily gage heights since June 1884 in reports of U. S. Weather Bureau.

GAGE.--Nonrecording gage read once daily. Datum of gage is 31.40 ft (9.571 m) above mean sea level (levels by Corps of Engineers). Prior to Jan. 6, 1937, nonrecording gages at several sites within 0.5 mi (0.8 km) of present site at same datum. Since Jan. 1, 1954, supplemental nonrecording gage 2.2 mi (3.5 km) downstream from lock and dam No. 4 read twice daily, at datum 30.10 ft (9.174 m) above mean sea level.

AVERAGE DISCHARGE.--41 years (1932-73), 17,240 ft³/s (488 m³/s), 12,490,000 acre-ft/yr (15.4 km³/yr).

EXTREMES.--1971-73: Maximum daily discharge during year, 88,900 ft³/s (2,510 m³/s) May 5, 6; maximum gage height, 48.80 ft (14.874 m) May 10; minimum discharge not determined; minimum gage height observed, 19.72 ft (6.011 m) Aug. 5.

Period of record: Maximum discharge, 101,000 ft³/s (2,860 m³/s) Feb. 2, 3, 1932; maximum gage height, 50.45 ft (15.377 m) May 23, 1958; minimum discharge not determined (pool stage); minimum gage height observed, 12.10 ft (3.688 m) Jan. 3, 1944.

REMARKS.--Stage-discharge relation below 10,000 ft³/s (283 m³/s) affected by operation of locks and dams. Flow regulated by Lake Greeson since November 1949 (usable capacity, 330,000 acre-ft or 407 hm³), by Lake Catherine since 1925 (usable capacity, 21,300 acre-ft or 26.3 hm³), by Lake Hamilton since 1932 (usable capacity, 119,560 acre-ft or 147 hm³), by Lake Ouachita since July 1952 (usable capacity, 1,903,000 acre-ft or 2.35 km³), and a series of locks and dams. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

COOPERATION.--Gage-height record, and records of daily discharges furnished by Corps of Engineers; records reviewed by Geological Survey.

NOTE.--Records for 1974 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

DAILY DISCHARGE RECORDS FOR 1973 WATER YEAR ARE PUBLISHED ON PAGE 224 OF THIS REPORT.

07367700 Boeuf River near Arkansas-Louisiana State line

LOCATION.--Lat 32°58'25", long 91°26'25", in NE 1/4 sec. 21, T. 23 N., R. 10 E., Morehouse-West Carroll Parish line, near left bank on downstream side of bridge on State Highway 835, 2.0 mi (3.2 km) downstream from Arkansas-Louisiana State line, and 7.5 mi (12.1 km) southwest of Kilbourne.

DRAINAGE AREA.--785 mi² or 2,033 km² (see REMARKS).

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to current year (annual maximum gage height and discharge below 200 ft³/s or 5.664 m³/s only). Gage-height record and occasional discharge measurements since May 1946 in files of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 74.11 ft (22.589 m) above mean sea level (levels by Corps of Engineers). Prior to Dec. 31, 1957, nonrecording gage, Dec. 31, 1957, to Oct. 1, 1961, water-stage recorder on left bank 300 ft (91 m) upstream at same datum. May 4, 1959, to Dec. 4, 1962, auxiliary nonrecording gage and Dec. 5, 1962, to Apr. 6, 1969, auxiliary water-stage recorder 1.7 mi (2.7 km) downstream from base gage at datum 74.35 ft (22.662 m) above mean sea level.

AVERAGE DISCHARGE.--11 years (1958-68), 952 ft³/s (26.96 m³/s), 689,700 acre-ft/yr (850 hm³/yr).

EXTREMES.--Current year: Maximum gage height, 21.38 ft (6.517 m) Apr. 24; no flow July 15.

Period of record: Maximum gage height, 23.41 ft (7.135 m) about Mar. 17, 1973; no flow June 13-19, July 15, 16, 29, 30, 1966, July 15, 1974, result of pumping for irrigation.

1957-68: Maximum discharge, 16,500 ft³/s (467 m³/s) Feb. 11, 1966.

A stage of 22.8 ft (6.949 m) was reached Feb. 15, 1948 (from records of Corps of Engineers, Vicksburg district).

REMARKS.--Records poor. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. In extreme floods, considerable flow bypasses station. Flow reenters and passes stations Bayou Lafourche near Crew Lake and Boeuf River near Girard. (See stations 07369000 and 07368000.) See following page for table of daily gage height. Records of water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	114								11		
2	11	122								7.0	130	
3	11	148								6.6	93	
4	9.4							199		8.1	116	
5	9.0						170	162		11	100	
6	9.5					199	133	152		39	72	
7	9.5					180	122	184		31	51	
8	9.5					170	124	170		23	46	
9	9.0					177	102	119		23	44	
10	10					156	82	90		20	49	
11	10						78	93		14	106	
12	11							93		8.4	102	
13	50							74		4.2		
14	130	166						76		1.4		
15	116	119						65		0		
16		90	173					56		58		
17		76	130			184		84				
18		72	109			162				177		
19		65	130			162		152		100		
20						184	166	93		65		
21	122						142	66		70		195
22	47									93	192	162
23	43									102	145	138
24	39										127	166
25	34								119		106	
26	30					195			61		102	
27	27					170			43		124	
28	32					166			22		156	
29	36				-----				21		166	
30	33				-----				20			
31	63	-----			-----		-----		-----			-----
MAX	--	--	--	--	--	--	--	--	--	--	--	--
MIN	9.0	65	109	--	--	156	78	56	20	0	44	138

07367700 Boeuf River near Arkansas-Louisiana State line--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-0.81	1.71	11.18	3.62	4.42	2.52	2.54	2.12	6.88	.80	2.05	10.35
2	--	1.74	5.05	3.22	3.95	2.37	2.30	2.00	11.17	.57	1.77	12.22
3	-0.85	1.83	3.71	8.63	3.57	2.27	2.54	2.03	11.31	.54	1.62	13.76
4	-0.88	2.79	6.80	11.20	3.27	2.21	2.12	1.97	8.23	.64	1.72	14.64
5	--	10.15	10.54	7.32	3.02	2.07	1.89	1.87	6.30	.80	1.65	14.12
6	--	8.60	9.28	5.91	3.85	1.97	1.78	1.84	10.18	1.30	1.52	12.16
7	--	5.12	6.69	7.92	2.67	1.92	1.74	1.93	8.53	1.22	1.40	9.48
8	--	4.36	4.35	6.20	2.57	1.89	1.75	1.89	16.82	1.13	1.36	6.72
9	--	5.03	3.36	5.28	2.47	1.91	1.66	1.73	18.78	1.13	1.34	4.48
10	--	4.64	2.98	10.51	2.35	1.85	1.57	1.61	18.22	1.08	1.38	3.58
11	--	3.25	2.70	19.70	2.20	2.15	1.55	1.62	17.12	.92	1.68	3.22
12	--	2.46	2.54	20.90	2.07	4.27	11.52	1.62	14.02	.66	1.66	2.97
13	--	2.08	2.42	20.71	2.00	3.17	15.92	1.53	9.12	.38	2.00	3.48
14	--	1.88	2.22	19.70	2.29	2.41	11.51	1.54	5.24	.14	3.40	4.43
15	-0.75	1.73	2.06	19.00	8.08	2.15	5.06	1.48	4.23	-0.18	3.04	4.38
16	4.10	1.61	1.90	16.30	11.52	2.03	3.14	1.43	4.27	1.44	2.58	4.04
17	7.05	1.54	1.77	11.50	6.77	1.93	2.52	1.58	3.61	2.33	2.46	3.06
18	4.10	1.52	1.69	6.34	3.57	1.87	2.19	2.02	3.04	1.91	2.46	2.53
19	1.90	1.48	1.77	5.18	10.72	1.87	2.02	1.84	3.01	1.65	2.66	2.23
20	.55	2.20	2.74	5.63	9.74	1.93	1.88	1.62	2.75	1.48	2.52	2.07
21	-0.05	5.00	2.84	6.27	6.27	3.60	1.81	1.49	2.35	1.51	2.22	1.96
22	-0.42	5.00	2.56	5.02	14.09	3.59	12.97	2.81	2.08	1.62	1.95	1.87
23	-0.35	3.83	2.22	5.88	14.09	2.70	21.02	5.32	2.02	1.66	1.82	1.88
24	1.02	2.84	9.43	12.89	10.50	2.28	21.23	4.71	2.05	3.96	1.76	1.88
25	1.25	6.19	18.27	18.85	4.51	2.06	19.78	3.72	1.73	4.85	1.68	3.27
26	1.21	6.58	18.89	19.33	3.32	1.96	13.99	5.92	1.46	9.14	1.66	7.38
27	1.17	4.95	17.42	18.42	2.92	1.89	6.14	7.62	1.33	14.40	1.75	6.14
28	1.23	19.50	12.47	16.34	2.69	1.88	3.25	5.41	1.11	11.60	1.85	4.06
29	1.27	16.95	5.91	14.15	-----	7.90	2.73	3.77	1.10	5.62	1.88	3.85
30	1.24	16.95	3.96	10.39	-----	6.80	2.38	2.74	1.07	3.16	2.48	3.54
31	1.47	-----	3.47	5.98	-----	3.35	-----	2.28	-----	2.44	6.02	-----
MAX	7.05	19.50	18.89	20.90	14.09	7.90	21.23	7.62	18.78	14.40	6.02	14.64
MIN	--	1.48	1.69	3.22	2.00	1.85	1.55	1.43	1.07	-0.18	1.34	1.87

07368000 Boeuf River near Girard, La.

LOCATION.--Lat 32°28'52", long 91°47'52", on line between sec.1, T.17 N., R.6 E., and sec.6, T.17 N., R.7 E., Richland Parish, on downstream side of bridge on U. S. Highway 80, and 0.5 mi (0.8 km) east of Girard.

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

PERIOD OF RECORD.--October 1938 to current year. Daily gage heights as follows: 1886-94 in reports of U. S. Weather Bureau; September 1925 to December 1931 in files of Corps of Engineers, Vicksburg district; since January 1932 in reports of Corps of Engineers, Vicksburg district.

GAGE.--Water-stage recorder. Datum of gage is 49.42 ft (15.063 m) above mean sea level (levels by Corps of Engineers). Prior to Nov. 3, 1955, nonrecording gages at sites within 200 ft (61 m) upstream. Prior to Oct. 1, 1966, at datum 2.20 ft (0.671 m) higher. Auxiliary water-stage recorder 6.4 mi (10.3 km) downstream from base gage at datum 49.40 ft (15.057 m) above mean sea level. Dec. 8, 1952, to Nov. 19, 1962, auxiliary nonrecording gage 8.1 mi (13.0 km) downstream from base gage at different datum. Feb. 15, 1945, to Dec. 8, 1952, auxiliary nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--36 years, 404 ft³/s (11.44 m³/s), 292,700 acre-ft/yr (361 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,500 ft³/s (42.5 m³/s) Jan. 28; maximum gage height, 15.96 ft (4.865 m) Jan. 28; minimum discharge, 11 ft³/s (0.32 m³/s) May 21 (gage height, 3.14 ft or 0.957 m).
Period of record: Maximum discharge, 3,070 ft³/s (86.9 m³/s) May 2, 1958; maximum gage height, 21.51 ft (6.556 m) May 6, 1958, present datum; minimum discharge, 9.9 ft³/s (0.28 m³/s) Aug. 17, 18, 1969; minimum gage height, 2.79 ft (0.850 m) June 1, 2, 1972. Flood of May 7, 1927, reached a stage of 31.7 ft (9.66 m) present site and datum (affected by overflow from Mississippi River).

REMARKS.--Records fair. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence the drainage limits were more or less arbitrarily determined. Boeuf River and Bayou Lafourche basins are connected by canal upstream. In extreme floods, considerable flow from Bayou Bartholomew basin passes this station. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	34	1,050	266	686	174	224	170	71	20	170	32
2	20	30	895	180	444	153	161	121	50	20	119	81
3	20	28	592	308	315	144	126	94	115	20	79	190
4	20	60	399	512	242	139	90	63	230	20	49	324
5	20	180	314	599	209	133	67	61	298	20	36	431
6	20	269	333	628	186	127	51	67	316	19	30	478
7	20	313	361	734	188	120	44	53	419	19	27	465
8	20	263	317	673	170	114	37	39	572	20	28	407
9	20	194	238	601	170	108	32	30	728	20	47	378
10	20	144	169	575	166	102	28	25	891	20	37	283
11	21	121	129	675	157	110	29	22	979	20	31	192
12	22	96	98	800	153	165	685	21	999	19	26	133
13	23	69	68	850	150	186	1,000	19	941	19	27	97
14	32	48	52	900	153	167	1,110	18	743	19	66	128
15	28	36	40	950	402	139	1,010	17	484	20	66	233
16	53	30	34	900	829	114	699	16	290	22	61	245
17	62	27	30	800	917	103	419	15	179	20	51	186
18	56	25	29	700	730	98	250	14	128	19	45	132
19	81	23	41	550	519	84	162	13	100	18	40	97
20	74	26	91	450	463	74	116	12	58	18	33	60
21	52	47	99	400	486	73	91	11	49	18	30	41
22	37	50	94	350	503	64	158	16	38	18	27	32
23	30	62	78	535	562	67	558	15	32	18	24	27
24	26	69	421	831	640	64	980	14	29	18	22	24
25	24	103	825	1,120	571	63	1,180	18	25	18	22	53
26	23	102	1,060	1,320	435	53	1,260	32	23	135	22	151
27	22	374	1,190	1,450	266	52	1,190	17	23	350	21	271
28	21	721	1,200	1,480	199	51	853	168	22	601	21	300
29	21	919	1,040	1,450	-----	151	497	181	21	647	25	233
30	20	1,030	716	1,280	-----	238	273	134	21	500	27	167
31	34	-----	434	1,010	-----	288	-----	89	-----	348	29	-----
TOTAL	962	5,493	12,437	23,877	10,911	3,718	13,380	1,585	8,874	3,063	1,338	5,871
MEAN	31.0	183	401	770	390	120	446	51.1	296	98.8	43.2	196
MAX	81	1,030	1,200	1,480	917	288	1,260	181	999	647	170	478
MIN	20	23	29	180	150	51	28	11	21	18	21	24
AC-FT	1,910	10,900	24,670	47,360	21,640	7,370	26,540	3,140	17,600	6,080	2,650	11,650

CAL. YR 1973 TOTAL 103,457 MEAN 283 MAX 1,850 MIN 20 AC-FT 205,200
WTR YR 1974 TOTAL 91,509 MEAN 251 MAX 1,480 MIN 11 AC-FT 181,500

07368000 Boeuf River near Girard, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.62	4.10	11.79	7.85	12.95	8.70	5.99	6.15	4.50	3.62	6.00	3.99
2	3.61	4.02	11.25	6.75	11.67	8.42	5.34	5.33	4.28	3.60	5.20	4.51
3	3.60	3.94	9.79	7.88	10.71	8.19	4.84	4.78	4.74	3.59	4.67	5.46
4	3.60	4.48	8.69	8.89	10.08	7.99	4.49	4.43	5.69	3.58	4.32	6.53
5	3.59	6.28	7.82	9.37	9.64	7.77	4.27	4.42	6.42	3.58	4.10	7.29
6	3.59	6.81	7.50	9.95	9.41	7.55	4.11	4.43	6.59	3.57	3.95	7.69
7	3.60	7.10	7.43	10.87	9.29	7.30	4.01	4.28	7.30	3.57	3.90	7.73
8	3.59	6.77	7.06	10.78	9.17	7.04	3.93	4.08	8.53	3.59	3.90	7.50
9	3.60	6.23	6.42	10.90	9.00	6.77	3.81	3.92	9.35	3.60	4.19	7.48
10	3.61	5.65	5.73	11.24	8.85	6.50	3.71	3.80	10.25	3.59	4.06	6.89
11	3.65	5.21	5.18	11.55	8.70	6.71	3.74	3.70	10.84	3.58	3.95	6.08
12	3.74	4.84	4.78	12.32	8.58	7.91	10.61	3.63	11.06	3.56	3.86	5.35
13	3.77	4.53	4.50	13.03	8.48	7.88	12.17	3.56	10.98	3.56	3.92	4.81
14	4.05	4.29	4.30	13.85	8.43	7.37	12.63	3.51	10.09	3.56	4.68	5.18
15	3.97	4.13	4.15	14.43	10.10	6.72	12.32	3.45	8.62	3.59	4.67	6.29
16	4.30	4.00	4.05	14.45	12.26	6.11	10.91	3.40	7.23	3.69	4.52	6.42
17	4.44	3.92	3.97	14.10	12.78	5.58	9.08	3.34	6.09	3.58	4.34	5.88
18	4.34	3.85	3.91	13.20	12.31	5.11	7.51	3.28	5.33	3.54	4.26	5.25
19	4.54	3.79	4.15	12.64	11.74	4.65	6.30	3.23	4.84	3.52	4.19	4.76
20	4.49	3.90	4.73	12.19	11.20	4.45	5.43	3.18	4.49	3.51	4.05	4.40
21	4.29	4.29	4.79	11.25	11.27	4.40	4.85	3.14	4.27	3.51	3.95	4.16
22	4.10	4.32	4.72	10.67	11.45	4.29	5.48	3.39	4.11	3.51	3.87	4.00
23	3.97	4.41	4.56	11.70	11.42	4.27	8.21	3.37	3.99	3.50	3.80	3.88
24	3.88	4.46	8.17	13.23	11.57	4.25	10.64	3.31	3.91	3.50	3.74	3.79
25	3.82	4.84	10.65	14.28	11.32	4.22	11.83	3.48	3.83	3.50	3.69	4.29
26	3.77	4.93	11.94	15.09	10.51	4.14	12.45	3.95	3.77	4.88	3.69	5.21
27	3.73	7.61	12.72	15.62	9.67	4.13	12.36	3.43	3.73	6.48	3.66	6.22
28	3.71	9.65	12.93	15.89	9.09	4.10	11.08	5.04	3.69	8.21	3.64	6.56
29	3.69	10.84	12.45	15.84	-----	5.03	9.10	5.21	3.66	8.72	3.80	6.16
30	3.67	11.56	11.08	15.29	-----	5.87	7.35	4.88	3.64	8.12	3.88	5.56
31	4.06	-----	9.33	14.28	-----	6.40	-----	4.59	-----	7.21	3.94	-----
MAX	4.54	11.56	12.93	15.89	12.95	8.70	12.63	6.15	11.06	8.72	6.00	7.73
MIN	3.59	3.79	3.91	6.75	8.43	4.10	3.71	3.14	3.64	3.50	3.64	3.79

LOCATION.--Lat 32°47'55", long 91°30'05", in NE¼ sec.24, T.21 N., R.9 E., West Carroll Parish, on downstream side near center of bridge on State Highway 2, 0.1 mi (0.2 km) downstream from Little Colewa Bayou, and 8 mi (13 km) southwest of Oak Grove.

PERIOD OF RECORD.--October 1949 to current year. Daily elevations since October 1940 in reports of Corps of Engineers, Vicksburg district.

AVERAGE DISCHARGE.--25 years, 50.2 ft³/s (1.422 m³/s), 36,370 acre-ft/yr (44.8 hm³/s).

Period of record: Maximum discharge, 2,050 ft³/s (58.1 m³/s) Mar. 22, 1955; maximum elevation, 95.22 ft (29.023 m) Jan. 4, 1951 (present datum); no flow at times each year.
Maximum elevation known since 1940, 95.5 ft (29.11 m) Apr. 12, 1947, present datum, from records of Corps of Engineers.

COOPERATION.--Base gage elevation record furnished by Corps of Engineers.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.04	.85	167	5.1	23	2.8	6.1	2.0	19	.30	8.4	128
2	0	1.5	41	4.1	7.3	2.3	4.2	3.2	11	.24	6.1	297
3	0	1.6	6.3	360	6.1	1.8	3.4	2.5	4.2	.22	5.1	121
4	0	.23	85	456	4.5	1.5	2.6	1.8	3.0	.20	4.9	25
5	0	.233	56	274	3.7	1.2	2.0	5.4	429	.59	4.6	5.8
6	0	149	11	200	3.2	1.1	1.6	2.1	611	22	4.1	2.8
7	0	.36	6.6	300	2.8	1.1	1.3	.96	597	16	3.8	2.0
8	0	.98	4.9	150	2.7	.85	.99	.72	907	4.8	3.6	3.2
9	0	.88	4.0	100	2.3	.75	.72	.68	1,000	2.9	3.4	56
10	0	6.7	3.4	80	2.0	.65	.56	.59	850	2.0	3.3	18
11	0	4.9	2.9	200	1.7	.68	.49	.52	550	1.3	3.6	3.8
12	0	4.0	2.3	400	1.6	12	.797	.48	320	1.0	3.3	1.4
13	0	3.3	2.0	300	1.4	11	1,030	.41	196	.77	21	100
14	0	2.7	1.8	100	2.4	6.0	.952	.30	85	.72	102	113
15	0	2.1	1.6	50	490	4.3	620	.18	20	.63	72	69
16	.02	1.8	1.5	30	616	3.3	256	.10	5.5	.59	36	16
17	.05	1.7	1.3	15	462	2.4	111	.08	3.9	.56	16	4.2
18	.13	1.6	1.1	11	258	2.0	8.8	.04	2.9	.44	6.6	1.8
19	.34	1.4	3.7	10	219	1.6	4.3	.02	2.3	.37	4.6	1.3
20	.38	1.9	53	29	122	1.3	2.8	.01	1.8	.33	4.0	.96
21	.38	7.6	22	30	167	12	2.0	0	1.5	.26	3.6	.86
22	.42	7.4	8.0	10	308	15	300	.05	1.2	.22	3.3	.72
23	.42	6.6	5.8	50	171	6.9	660	1.2	1.1	.16	3.1	.63
24	.42	5.0	414	200	55	4.5	602	1.3	.86	.59	3.0	.59
25	.42	148	745	700	8.4	3.7	318	.82	.63	.91	3.0	217
26	.42	112	738	800	5.6	3.1	170	161	.59	319	3.2	402
27	.40	404	612	700	4.1	2.6	37	126	.56	498	3.2	220
28	.38	629	354	500	3.2	2.1	5.8	68	.48	385	3.1	126
29	.38	602	174	350	-----	152	3.4	13	.44	190	3.2	61
30	.34	410	81	250	-----	113	2.3	3.8	.33	97	58	21
31	.65	-----	8.0	113	-----	54	-----	5.0	-----	25	122	-----
TOTAL	5.59	2,827.25	3,618.2	5,777.2	2,954.0	427.53	5,906.36	402.26	5,626.29	1,572.10	525.1	2,020.06
MEAN	.18	94.2	117	219	106	13.8	197	13.0	188	50.7	16.9	67.3
MAX	.65	629	745	800	616	152	1,030	161	1,000	498	122	402
MIN	0	.85	1.1	4.1	1.4	.65	.49	0	.33	.16	3.0	.59
AC-FT	11	5,610	7,180	13,440	5,860	848	11,720	798	11,160	3,120	1,040	4,010
CAL YR 1973	TOTAL	36,079.73	MEAN	98.8	MAX	1,450	MIN	0	AC-FT	71,560		
WTR YR 1974	TOTAL	32,661.94	MEAN	89.5	MAX	1,030	MIN	0	AC-FT	64,780		

RED RIVER BASIN

99

07368500 Big Colewa Bayou near Oak Grove, La.--Continued

ELEVATION, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82.92	83.30	87.68	84.00	85.00	83.70	84.11	82.73	83.65	82.22	82.77	85.73
2	82.90	83.46	85.10	83.88	84.23	83.62	83.89	82.89	83.32	82.20	82.59	88.22
3	82.89	83.48	84.13	89.23	84.11	83.55	83.78	82.80	82.82	82.19	82.50	86.07
4	82.87	84.22	85.62	90.42	83.93	83.48	83.67	82.71	82.68	82.18	82.48	84.00
5	82.84	88.30	85.23	89.08	83.83	83.43	83.57	83.10	89.64	82.30	82.45	83.01
6	82.82	86.72	84.45	88.65	83.76	83.39	83.51	82.75	91.70	83.80	82.40	82.70
7	82.82	84.98	84.16	90.02	83.70	83.39	83.45	82.56	91.74	83.55	82.37	82.60
8	82.80	84.38	83.98	88.96	83.68	83.33	83.37	82.51	92.92	82.88	82.34	82.68
9	82.79	84.32	83.86	88.03	83.61	83.29	83.28	82.50	93.18	82.67	82.32	84.74
10	82.78	84.12	83.78	87.58	83.57	83.25	83.21	82.48	92.94	82.55	82.31	83.72
11	82.79	83.91	83.70	90.95	83.51	83.26	83.18	82.46	92.17	82.45	82.35	82.82
12	82.80	83.78	83.60	91.02	83.49	84.48	91.79	82.45	90.60	82.39	82.31	82.50
13	82.81	83.68	83.55	89.53	83.44	84.47	92.97	82.43	88.42	82.34	82.92	85.09
14	82.86	83.59	83.50	88.49	83.56	84.10	92.72	82.40	85.83	82.33	86.38	85.89
15	82.87	83.50	83.48	88.73	89.59	83.90	91.45	82.35	83.72	82.31	84.97	84.99
16	82.91	83.43	83.44	86.88	91.91	83.77	88.90	82.31	82.94	82.30	84.00	83.66
17	82.93	83.42	83.40	85.20	91.22	83.65	86.12	82.30	82.79	82.29	83.22	82.86
18	82.97	83.41	83.35	84.46	89.63	83.58	84.34	82.26	82.67	82.26	82.63	82.57
19	83.08	83.35	83.65	84.40	89.07	83.50	83.90	82.23	82.59	82.24	82.45	82.49
20	83.10	83.45	85.20	84.88	87.23	83.45	83.70	82.20	82.52	82.23	82.39	82.41
21	83.10	84.22	84.75	84.90	86.64	84.48	83.57	82.18	82.47	82.21	82.34	82.38
22	83.12	84.20	84.30	84.42	89.02	84.60	87.88	82.27	82.43	82.19	82.31	82.33
23	83.12	84.10	84.08	88.09	87.00	84.19	91.73	82.60	82.40	82.16	82.29	82.30
24	83.12	83.92	89.18	91.28	85.22	83.93	91.40	82.62	82.36	82.30	82.27	82.29
25	83.12	86.24	92.01	92.32	84.32	83.83	89.65	82.53	82.31	82.37	82.28	86.54
26	83.12	85.85	92.11	92.40	84.05	83.74	87.28	87.42	82.30	88.41	82.30	90.00
27	83.11	89.90	91.55	92.11	83.88	83.67	85.00	87.84	82.29	90.90	82.30	88.45
28	83.10	91.49	90.01	91.80	83.76	83.60	84.08	85.55	82.27	90.06	82.29	86.54
29	83.10	91.31	87.79	91.08	-----	86.82	83.79	83.43	82.26	87.81	82.30	85.39
30	83.08	90.21	85.65	89.56	-----	86.19	83.20	82.78	82.23	85.54	84.46	83.84
31	83.22	-----	84.30	87.22	-----	84.45	-----	82.90	-----	83.62	86.20	-----
MAX	83.22	91.49	92.11	92.40	91.91	86.82	92.97	87.84	93.18	90.90	86.38	90.00
MIN	82.78	83.30	83.35	83.88	83.44	83.25	83.18	82.18	82.23	82.16	82.27	82.29

RED RIVER BASIN

07368505 Big Colewa Bayou near Pioneer, La.

LOCATION.--Lat 32°43'31", long 91°31'34", on line between sec.11 and sec.14, T.20 N., R.9 E., West Carroll Parish, on parish road 5.5 mi (8.8 km) east of Pioneer, and 5.7 mi (9.2 km) downstream from gaging station Big Colewa Bayou near Oak Grove, La. (07368500).

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1973 to current year (gage heights only). Unpublished records from January 1954 to September 1973 available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level.

EXTREMES.--Current year: Maximum elevation, 91.06 ft (27.755 m) June 9.

ELEVATION, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80.77	81.70	86.80	82.28	84.71	81.47	82.38	81.32	82.57	80.93	81.91	84.15
2	80.77	81.63	84.48	81.95	83.09	81.35	81.91	81.41	82.45	80.93	81.44	86.00
3	80.78	81.55	87.88	87.26	82.48	81.27	81.63	81.47	81.83	80.93	81.24	85.08
4	80.78	82.90	84.44	88.55	82.14	81.20	81.43	81.54	81.40	80.93	81.12	83.32
5	80.78	86.97	84.36	87.78	81.88	81.13	81.27	83.10	87.46	80.93	81.07	82.32
6	80.78	85.69	83.17	--	81.72	81.07	81.16	82.42	90.00	81.21	81.06	81.78
7	81.62	83.95	82.47	--	81.58	81.00	81.08	81.58	90.16	82.33	81.02	81.42
8	81.57	83.02	82.05	--	81.48	80.97	81.00	81.18	90.95	81.95	81.00	81.26
9	81.38	83.43	81.78	--	81.42	80.94	80.95	80.98	91.04	81.56	81.00	83.36
10	81.24	82.85	81.59	--	81.36	80.93	80.93	80.89	90.86	81.35	80.99	83.34
11	81.13	82.27	81.45	--	81.31	81.01	80.93	80.87	90.35	81.21	80.98	82.41
12	81.42	81.90	81.34	--	81.25	82.08	89.28	80.85	89.28	81.08	80.97	81.76
13	81.55	81.64	81.24	--	81.21	83.00	90.48	80.84	87.53	81.01	81.53	83.39
14	82.21	81.46	81.16	--	81.93	82.40	90.30	80.83	85.26	80.98	85.80	84.93
15	82.08	81.31	81.09	--	89.10	81.93	89.45	80.83	83.18	80.96	84.08	84.29
16	82.22	81.21	81.01	--	90.36	81.62	87.67	80.83	82.05	80.97	82.95	83.07
17	82.65	81.16	80.96	--	89.97	81.40	85.28	80.83	81.64	80.97	82.45	82.23
18	82.17	81.03	80.92	--	88.74	81.27	83.10	80.82	81.42	80.97	81.86	81.69
19	81.80	80.99	81.30	--	88.24	81.15	82.03	80.82	81.26	80.96	81.37	81.36
20	81.57	81.11	84.12	--	86.68	81.09	81.58	80.81	81.14	80.96	81.16	81.16
21	81.42	82.64	83.76	--	85.68	81.77	81.33	80.81	81.03	80.96	81.04	81.05
22	81.28	82.78	82.86	--	87.34	83.03	85.90	80.81	80.98	80.96	81.00	81.01
23	81.19	82.44	82.34	--	85.80	82.48	89.78	80.82	80.96	80.96	80.98	81.00
24	81.11	82.17	87.13	--	84.10	81.97	89.47	80.84	80.94	81.77	80.97	81.00
25	81.05	84.33	89.86	--	82.78	81.64	88.31	80.87	80.93	81.69	80.98	84.42
26	81.00	84.68	90.05	--	82.16	81.44	86.22	86.39	80.93	86.56	81.07	88.21
27	80.97	88.30	89.70	--	81.83	81.32	83.94	87.37	80.93	89.17	81.05	87.34
28	80.94	89.47	88.62	--	81.62	81.27	83.28	85.12	80.92	88.46	81.08	85.73
29	80.91	89.28	86.87	--	-----	85.62	81.54	82.85	80.92	86.72	81.60	85.01
30	80.89	88.52	87.90	88.70	-----	85.37	81.34	81.78	80.92	84.66	83.75	83.43
31	81.30	-----	83.12	86.74	-----	83.43	-----	81.46	-----	82.90	85.28	-----
MAX	82.65	89.47	90.05	--	90.36	85.62	90.48	87.37	91.04	89.17	85.80	88.21
MIN	80.77	80.99	80.92	--	81.21	80.93	80.93	80.81	80.92	80.93	80.97	81.00

RED RIVER BASIN

101

07369000 Bayou Lafourche near Crew Lake, La.

LOCATION.--Lat 32°29'55", long 91°55'05", in SW¼ sec.36, T.18 N., R.5 E., Ouachita-Richland Parish line, near center of span on downstream side of bridge on U. S. Highway 80, 1.1 mi (1.8 km) upstream from Illinois Central Railroad bridge, and 2.5 mi (4.0 km) west of town of Crew Lake.

DRAINAGE AREA.--361 mi² or 935 km² (see REMARKS).

PERIOD OF RECORD.--October 1938 to current year. Prior to December 1938 monthly discharge only, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 37.08 ft (11.302 m) above mean sea level (levels by Corps of Engineers). Prior to Aug. 10, 1944, nonrecording gage, Aug. 10, 1944, to June 5, 1952, water-stage recorder, and June 6 to September 30, 1952, nonrecording gage, all at same site at datum 19.00 ft (5.791 m) higher. Since Oct. 1, 1957, auxiliary water-stage recorder 9.5 mi (15.3 km) downstream from base gage at mean sea level datum (sta 07369050).

AVERAGE DISCHARGE.--36 years, 1,556 ft³/s (44.07 m³/s), 1,127,000 acre-ft/yr (1.39 km³/yr).

EXTREMES.--Current year: Maximum discharge, 18,500 ft³/s (524 m³/s) Jan. 28; maximum daily reverse flow, 650 ft³/s (18.4 m³/s) Mar. 20 (backwater from Ouachita River); maximum gage height, 26.98 ft (8.224 m) Jan. 28; minimum discharge (unaffected by backwater), 112 ft³/s (3.17 m³/s) Oct. 11 (gage height, 2.07 ft or 0.631 m).

Period of record: Maximum discharge, 26,800 ft³/s (759 m³/s) May 2, 1958; maximum gage height, 27.55 ft (8.397 m) Feb. 14, 1966; maximum daily reverse flow not determined; no flow at times in August, September, and October 1952, result of temporary storage due to excavation of channel upstream.

A discharge of 17,000 ft³/s (481 m³/s) was measured Dec. 24, 1931 (from reports of Corps of Engineers, Vicksburg district).

REMARKS.--Records poor. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. Boeuf River and Bayou Lafourche basins are connected by canal upstream. In extreme floods, considerable flow from the Bayou Bartholomew basin passes this station. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

COOPERATION.--Auxiliary gage-height record furnished by Corps of Engineers.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	149	370	14,900	3,520	9,260	1,500	1,500	900	1,640	500	1,500	4,730
2	146	303	10,900	3,040	6,670	1,300	1,200	800	4,590	500	1,000	6,240
3	142	306	4,340	8,130	4,870	1,200	900	700	5,790	500	733	7,260
4	135	677	4,670	12,200	2,810	1,100	700	600	5,580	500	800	8,600
5	135	7,140	7,510	10,500	2,000	1,000	500	800	5,860	500	801	9,310
6	122	10,600	7,620	8,940	1,700	900	400	600	8,810	500	557	8,530
7	130	7,340	5,900	12,100	1,400	900	350	500	10,300	500	475	6,320
8	129	4,120	3,260	10,300	1,200	900	300	450	13,100	500	484	4,700
9	124	3,070	1,930	7,810	1,100	800	250	400	14,600	600	487	4,860
10	122	3,150	1,250	7,910	1,000	800	200	400	15,100	600	439	3,610
11	127	2,480	1,000	12,800	900	800	368	350	15,200	600	472	2,530
12	186	1,570	852	15,300	900	1,900	12,100	300	14,600	600	505	1,590
13	220	772	700	15,800	800	1,300	16,000	300	12,100	600	529	1,420
14	1,340	689	600	15,900	800	200	16,500	300	7,010	600	1,770	2,470
15	1,080	655	500	16,700	9,090	-100	14,700	250	2,740	600	2,270	3,020
16	1,180	445	450	16,100	12,900	-300	9,800	250	2,080	500	1,770	2,660
17	3,980	350	500	14,800	13,200	-400	4,000	200	1,500	500	1,480	2,050
18	3,960	310	600	12,100	10,600	-500	2,000	200	1,000	500	1,220	1,220
19	1,880	296	1,000	9,780	8,550	-600	1,000	200	600	500	1,020	905
20	1,050	400	2,000	10,300	9,450	-650	800	150	400	500	1,020	701
21	663	2,400	1,450	9,750	8,740	200	700	150	350	450	917	542
22	404	3,830	2,000	8,270	9,940	1,350	5,160	150	350	450	679	414
23	293	3,130	4,000	8,300	11,300	400	15,100	2,080	350	450	496	348
24	213	1,680	7,960	10,700	10,800	-100	16,200	2,460	400	1,000	475	271
25	174	2,440	15,600	14,300	8,890	-300	16,600	1,780	450	2,200	436	1,910
26	176	5,410	16,600	16,500	5,220	-400	16,500	3,730	500	4,320	427	7,180
27	158	10,600	17,300	18,000	2,600	-400	14,300	6,240	600	9,500	512	7,810
28	155	14,800	16,500	18,300	1,900	-500	7,900	4,970	650	11,300	592	4,830
29	135	15,600	14,100	17,800	-----	5,330	3,700	3,050	650	7,760	613	2,920
30	127	15,700	8,530	15,700	-----	6,960	2,000	1,530	600	3,020	805	2,180
31	271	-----	4,450	12,300	-----	3,420	-----	775	-----	1,950	2,900	-----
TOTAL	19,106	120,633	178,972	373,950	158,590	28,010	181,728	35,565	147,500	53,100	28,184	111,131
MEAN	616	4,021	5,773	12,060	5,664	904	6,058	1,147	4,917	1,713	909	3,704
MAX	3,980	15,700	17,300	18,300	13,200	6,960	16,600	6,240	15,200	11,300	2,900	9,310
MIN	122	296	450	3,040	800	200	200	150	350	450	427	271
AC-FT	37,900	239,300	355,000	741,700	314,600	55,560	360,500	70,540	292,600	105,000	55,900	220,400
CAL YR 1973	TOTAL	1,415,451	MEAN	3,878	MAX	22,700	MIN	122	AC-FT	2,808,000		
WTR YR 1974	TOTAL	1,436,469	MEAN	3,936	MAX	18,300	MIN	122	AC-FT	2,849,000		

RED RIVER BASIN

07369000 Bayou Lafourche near Crew Lake, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.30	3.25	24.45	20.19	25.27	22.26	14.82	14.86	8.23	15.20	8.83	13.10
2	2.28	3.00	22.96	19.12	24.57	21.95	14.18	14.33	12.79	15.13	7.44	15.84
3	2.26	3.01	18.22	21.48	23.99	21.72	13.84	13.64	15.17	15.00	6.11	17.18
4	2.22	3.44	16.91	23.63	23.53	21.50	13.30	13.18	15.38	14.85	5.00	18.67
5	2.22	16.77	18.91	23.30	23.25	21.21	12.79	14.04	15.78	14.67	4.29	19.41
6	2.14	20.82	19.07	22.80	23.05	20.97	12.42	13.08	18.90	14.48	3.62	19.00
7	2.19	18.84	17.52	24.03	22.80	20.67	12.18	12.63	20.32	14.24	3.35	17.00
8	2.18	15.41	14.67	23.60	22.62	20.34	11.60	12.33	22.75	14.02	3.38	14.79
9	2.15	13.24	12.32	22.90	22.46	20.03	11.18	12.07	23.89	13.74	3.39	14.58
10	2.14	12.56	11.34	22.92	22.29	19.70	10.88	11.87	24.32	13.45	3.23	13.02
11	2.17	10.92	11.17	24.45	22.10	19.68	10.72	11.62	24.37	13.12	3.34	10.40
12	2.48	8.70	11.29	25.35	22.00	20.40	23.05	11.48	24.13	12.76	3.45	7.98
13	2.65	6.30	11.32	25.65	21.91	20.18	25.40	11.39	23.27	12.40	3.53	6.93
14	6.19	4.90	11.48	25.88	21.80	19.42	25.70	11.27	20.47	12.04	6.52	8.84
15	5.45	3.90	11.56	26.08	23.75	18.85	25.35	11.04	16.00	11.72	7.65	11.32
16	5.70	3.25	11.77	26.07	25.24	18.32	23.92	10.83	14.68	11.29	6.53	10.52
17	12.55	2.92	12.02	25.85	25.52	17.90	21.65	10.45	14.18	10.87	5.89	9.42
18	13.08	2.75	12.27	25.21	25.06	17.52	19.20	10.10	13.88	10.45	5.31	7.54
19	9.25	2.68	12.62	24.70	24.68	17.21	16.17	9.70	13.87	9.90	4.85	6.39
20	6.08	3.10	13.92	24.79	24.75	16.64	14.75	9.26	13.99	9.30	4.84	5.64
21	4.22	7.93	14.24	24.66	24.61	16.60	14.10	8.80	14.11	8.68	4.58	5.16
22	3.37	11.11	13.75	24.19	24.90	16.86	15.92	8.82	14.25	8.02	3.97	4.80
23	2.96	10.22	13.60	24.11	25.20	16.17	24.30	10.10	14.38	7.34	3.42	4.59
24	2.62	7.31	19.40	24.80	25.17	15.57	25.12	10.82	14.52	6.97	3.35	4.45
25	2.43	8.19	24.68	25.75	24.70	15.14	25.37	9.56	14.69	8.82	3.22	7.31
26	2.44	14.53	25.40	26.37	23.82	14.82	25.32	11.91	14.83	12.20	3.19	17.00
27	2.35	20.63	25.77	26.74	23.15	14.68	24.75	16.07	14.96	19.60	3.44	18.04
28	2.33	24.05	25.67	26.92	22.69	14.45	22.65	15.30	15.09	21.22	3.72	15.12
29	2.22	24.65	25.07	26.91	-----	18.08	19.55	12.49	15.18	19.23	3.78	11.82
30	2.17	24.75	23.40	26.60	-----	19.55	15.83	9.67	15.21	14.54	4.30	10.26
31	2.87	-----	21.01	26.02	-----	16.93	-----	7.78	-----	10.98	9.04	-----
MAX	13.08	24.75	25.77	26.92	25.52	22.26	25.70	16.07	24.37	21.22	9.04	19.41
MIN	2.14	2.68	11.17	19.12	21.80	14.45	10.72	7.78	8.23	6.97	3.19	4.45

RED RIVER BASIN

103

07369050 Bayou Lafourche near Alto, La.

LOCATION.--Lat 32°23'50", long 91°59'40", in SE¼ sec.6, T.16 N., R.5 E., Ouachita-Richland Parish line, at bridge on State Highway 15, 8 mi (13 km) west of Alto, 9.5 mi (15.3 km) downstream from gaging station Bayou Lafourche near Crew Lake (07369000), and 40 mi (64 km) upstream from mouth.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD: October 1973 to current year (elevations only). April 1946 to September 1973 published in reports of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is mean sea level (levels by Corps of Engineers).

EXTREMES.--Current year: Maximum elevation, 61.32 ft (18.690 m) Jan. 29; minimum, 35.79 ft (10.909 m) Oct. 6.
Maximum elevation since April 1946, 63.8 ft (19.45 m) Apr. 23, 1947; minimum, 34.82 ft (10.613 m) July 18, 19, 1969.

COOPERATION.--Elevations furnished by Corps of Engineers.

ELEVATIONS, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35.92	38.47	58.19	56.35	60.88	58.86	51.29	51.26	43.85	51.85	44.99	46.41
2	35.90	37.77	57.55	55.31	60.54	58.57	50.75	50.75	46.52	51.79	43.62	49.35
3	35.90	37.24	54.09	56.61	60.18	58.32	50.40	50.20	48.96	51.67	42.24	50.78
4	35.88	38.00	52.22	58.00	59.91	58.11	49.85	49.71	49.51	51.50	40.88	52.17
5	35.82	50.22	53.39	58.14	59.68	57.80	49.38	50.46	49.88	51.32	39.58	53.02
6	35.80	54.69	53.56	58.00	59.55	57.58	49.05	49.66	52.07	51.14	38.35	52.92
7	35.86	53.48	52.36	58.59	59.35	57.28	48.78	49.21	53.95	50.91	37.60	51.33
8	35.86	50.71	50.26	58.61	59.11	56.96	48.21	48.92	56.29	50.69	37.44	49.42
9	35.84	48.80	48.35	58.43	59.03	56.66	47.81	48.70	57.22	50.43	37.43	48.99
10	35.84	47.89	47.60	58.42	58.91	56.32	47.49	48.52	57.69	50.11	37.26	48.04
11	35.84	46.42	47.50	58.94	58.75	56.23	47.29	48.27	57.85	49.73	37.14	45.70
12	36.31	44.50	47.67	59.40	58.65	56.80	57.43	48.12	57.85	49.41	37.25	43.58
13	36.51	42.42	47.77	59.68	58.56	56.62	59.21	48.02	57.54	49.04	37.40	42.38
14	40.53	40.98	47.94	60.00	58.45	55.98	59.53	47.87	55.73	48.70	40.04	43.64
15	40.82	39.70	48.07	60.12	59.12	55.45	59.57	47.66	52.01	48.35	41.89	46.41
16	41.74	38.48	48.28	60.28	59.95	54.95	59.14	47.41	50.81	47.95	41.06	45.73
17	45.52	37.72	48.50	60.28	60.26	54.56	57.83	47.07	50.53	47.55	40.36	44.92
18	47.37	37.32	48.74	60.14	60.33	54.15	55.56	46.71	50.40	47.09	39.80	43.43
19	44.45	37.19	49.08	60.08	60.33	53.80	52.69	46.33	50.44	46.58	39.35	42.38
20	41.47	37.42	50.27	60.07	60.22	53.30	51.34	45.93	50.59	46.02	39.15	41.75
21	39.42	41.27	50.52	60.05	60.21	53.17	50.71	45.47	50.72	45.38	38.89	41.39
22	38.12	44.82	50.25	59.82	60.29	53.22	52.20	45.39	50.90	44.72	38.30	41.12
23	37.31	44.77	50.12	59.72	60.35	52.70	57.60	45.74	51.04	44.00	37.64	40.95
24	36.87	42.52	54.19	59.98	60.39	52.14	58.29	46.29	51.20	43.38	37.32	40.85
25	36.57	42.23	58.37	60.27	60.28	51.79	58.63	45.34	51.34	43.97	37.15	42.24
26	36.53	47.62	58.94	60.68	59.95	51.50	58.85	46.53	51.50	45.56	37.04	50.19
27	36.48	53.92	59.26	60.94	59.58	51.33	58.84	49.99	51.64	52.05	37.25	51.92
28	36.33	57.45	59.46	61.20	59.22	51.07	58.11	49.90	51.77	54.58	37.62	49.76
29	36.27	58.00	59.37	61.30	-----	53.42	55.63	47.85	51.85	53.70	38.00	47.16
30	36.27	58.18	58.83	61.30	-----	54.54	52.22	45.65	51.87	50.24	38.57	45.84
31	37.33	-----	57.60	61.18	-----	52.80	-----	44.05	-----	46.86	42.38	-----
MAX	47.37	58.18	59.46	61.30	60.88	58.86	59.57	51.26	57.85	54.58	44.99	53.02
MIN	35.80	37.19	47.50	55.31	58.45	51.07	47.29	44.05	43.85	43.38	37.04	40.85

RED RIVER BASIN

07369370 Lake Providence at Lake Providence, La.

LOCATION.--Lat 32°50'40", long 91°13'25", in sec.13, T.21 N., R.12 E., East Carroll Parish, on upstream side of Baxter Bayou bridge on U. S. Highway 65, 3.0 mi (4.8 km) northwest of village of Lake Providence.

DRAINAGE AREA.--18.7 mi² (48.4 km²).

PERIOD OF RECORD.--January 1967 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Louisiana Department of Public Works).

EXTREMES.--Current year: Maximum elevation, 92.93 ft (28.325 m) June 8; minimum, 87.58 ft (26.694 m) Dec. 18, 19, 1973.
Period of record: Maximum elevation, 93.57 ft (28.520 m) Jan. 5, 1972; minimum, 87.58 ft (26.694 m) Dec. 18, 19, 1973.

REMARKS.--Reservoir is used for recreation and is formed from an oxbow lake by a concrete dam on Tensas Bayou and a weir on Baxter Bayou. Crest of the spillway in the dam and the weir is 89.5 ft (27.3 m) above mean sea level. Reservoir capacity is unknown.

ELEVATION, IN FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89.60	88.35	88.05	89.40	90.72	89.57	88.42	90.21	90.43	89.84	90.06	89.67
2	89.48	88.28	88.00	89.30	90.53	89.49	88.46	90.20	90.42	89.83	90.02	89.77
3	89.38	88.23	88.05	89.58	90.35	89.41	88.49	90.18	90.35	89.83	89.96	89.76
4	89.30	88.17	88.00	89.86	90.21	89.35	88.50	90.16	90.29	89.82	89.92	89.74
5	89.22	88.55	87.95	89.81	90.07	89.27	88.51	90.12	90.97	89.81	89.89	89.72
6	89.12	88.52	87.91	89.74	89.94	89.20	88.52	90.08	91.70	89.85	89.86	89.71
7	89.06	88.50	87.87	90.06	89.85	89.13	88.53	90.04	91.63	89.84	89.84	89.70
8	88.97	88.46	87.83	90.00	89.76	89.06	88.52	90.00	92.73	89.83	89.81	89.68
9	88.90	88.42	87.79	90.00	89.67	88.98	88.52	89.96	92.88	89.83	89.80	89.70
10	88.82	88.35	87.75	90.10	89.58	88.92	88.53	89.94	92.72	89.82	89.78	89.70
11	88.74	88.28	87.72	90.48	89.50	88.85	88.54	89.93	92.38	89.80	89.77	89.69
12	88.67	88.22	87.69	90.55	89.42	88.93	89.02	89.95	92.03	89.79	89.76	89.62
13	88.60	88.17	87.72	90.39	89.35	88.86	89.47	89.93	91.70	89.78	89.75	89.56
14	88.56	88.13	87.69	90.26	89.28	88.80	89.59	89.90	91.37	89.77	89.77	89.46
15	88.51	88.09	87.65	90.44	89.58	88.73	89.63	89.89	91.09	89.76	89.77	89.42
16	88.60	88.00	87.62	90.34	90.23	88.66	89.65	89.88	90.87	89.75	89.76	89.33
17	88.61	87.95	87.59	90.21	90.22	88.60	89.66	89.85	90.67	89.74	89.75	89.24
18	88.59	87.90	87.58	90.08	90.12	88.54	89.68	89.84	90.53	89.72	89.74	89.16
19	88.58	87.86	87.58	89.97	90.27	88.49	89.69	89.83	90.42	89.71	89.73	89.08
20	88.57	87.83	87.67	89.89	90.21	88.45	89.71	89.82	90.33	89.70	89.72	88.99
21	88.57	87.86	87.66	89.81	90.10	88.52	89.71	89.80	90.25	89.72	89.70	88.91
22	88.56	87.83	87.66	89.74	90.35	88.49	90.16	89.87	90.18	89.72	89.69	88.82
23	88.56	87.80	87.64	90.00	90.23	88.45	90.57	89.90	90.21	89.70	89.68	88.71
24	88.55	87.78	87.84	90.71	90.09	88.38	90.55	89.89	90.16	89.78	89.66	88.63
25	88.55	87.83	89.18	91.35	89.92	88.34	90.45	89.88	90.08	89.77	89.64	88.73
26	88.48	89.82	89.62	91.31	89.83	88.29	90.37	90.24	90.02	90.00	89.63	89.08
27	88.48	87.94	89.78	91.35	89.73	88.25	90.31	90.41	89.95	90.25	89.63	89.07
28	88.48	88.17	89.75	91.40	89.65	88.20	90.25	90.36	89.92	90.27	89.62	89.00
29	88.46	88.16	89.67	91.46	-----	88.45	90.21	90.30	89.88	90.22	89.64	88.94
30	88.40	88.11	89.59	91.22	-----	88.49	90.16	90.23	89.86	90.16	89.66	88.86
31	88.41	-----	89.51	90.95	-----	88.45	-----	90.17	-----	90.11	89.67	-----
MAX	89.60	89.82	89.78	91.46	90.72	89.57	90.57	90.41	92.88	90.27	90.06	89.77
MIN	88.40	87.78	87.58	89.30	89.28	88.20	88.42	89.80	89.86	89.70	89.62	88.63

RED RIVER BASIN

105

07369455 Brushy Bayou at Tallulah, La.

LOCATION.--Lat 32°23'52", long 91°11'57", on line between secs.31 and 32, T.16 N., R.12 E., Madison Parish, at bridge on U. S. Highway 165 at Tallulah, and 1.0 mi (1.6 km) upstream from Roundaway Bayou.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--April to September 1974 (elevations only).

GAGE.--Water-stage recorder. Datum of the gage is at mean sea level.

EXTREMES.--Maximum elevation during period, 73.85 ft (22.509 m) in April during period of no elevation record; minimum, 69.70 ft (21.245 m) in April during period of no elevation record.

ELEVATION, IN FEET, AT 0800, APRIL TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								--	--	72.06	71.81	72.01
2								--	--	72.05	71.80	72.05
3							71.90	--	--	72.02	71.79	72.07
4							71.77	--	--	72.00	71.77	72.03
5							71.65	--	--	71.97	71.76	71.95
6							71.57	--	--	71.93	71.73	71.90
7							71.49	--	--	71.88	71.72	71.87
8							71.40	--	--	71.85	71.73	71.83
9							71.33	--	--	71.81	71.71	71.86
10							71.25	--	--	71.78	71.68	71.83
11							71.97	--	--	71.76	71.65	71.81
12							--	--	--	71.74	71.63	71.77
13							--	--	--	71.72	71.63	71.77
14							--	--	--	71.70	71.64	71.78
15							--	--	--	71.68	71.62	71.83
16							--	--	--	71.72	71.60	71.79
17							--	--	--	71.71	71.63	71.76
18							--	--	--	71.68	71.62	71.74
19							--	--	--	71.67	71.61	71.71
20							--	--	71.81	71.66	71.59	71.68
21							--	--	72.02	71.65	71.58	71.66
22							--	--	72.10	71.64	71.56	71.64
23							--	--	72.16	71.63	71.54	71.61
24							--	--	72.18	71.74	71.52	71.59
25							--	--	72.17	71.74	71.51	71.58
26							--	--	72.15	71.90	71.49	71.86
27							--	--	72.13	71.94	71.52	71.82
28							--	--	72.12	71.89	71.53	71.80
29							--	--	72.09	71.87	71.66	71.79
30							--	--	72.08	71.84	71.65	71.76
31		-----					-----	--	-----	71.82	71.75	-----
MAX							--	--	--	72.06	71.81	72.07
MIN							71.25	--	--	71.63	71.49	71.58

07369457 Lower Roundaway Bayou tributary near Tallulah, La.

LOCATION.--Lat 32°22'33", long 91°11'57", on line between secs.43 and 44, T.16 N., R.12 E., Madison Parish, on U. S. Highway 165, 1.5 mi (2.4 km) south of Tallulah.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--April to September 1974 (elevations only).

GAGE.--Water-stage recorder. Datum of the gage is at mean sea level.

EXTREMES.--Maximum elevation during period, 71.20 ft (21.702 m) Apr. 14; minimum, 66.51 ft (20.272 m) Sept. 2.

ELEVATION, IN FEET, AT 0800, APRIL TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1								67.25	66.89	67.05	67.08	66.61
2								66.88	66.90	67.12	67.11	66.53
3								66.93	66.84	67.02	67.09	66.68
4							67.30	66.99	66.81	66.89	66.96	66.88
5							66.99	67.04	66.89	67.06	66.92	67.18
6							66.86	66.87	66.91	67.00	67.04	67.19
7							66.83	66.94	66.90	67.06	67.09	67.07
8							66.91	67.09	67.13	67.04	67.14	66.85
9							66.93	67.08	67.17	66.94	67.21	66.86
10							66.92	67.09	67.12	67.04	67.06	66.75
11							66.95	67.09	66.96	67.03	67.06	67.00
12							68.98	66.90	67.01	66.99	67.01	67.17
13							70.43	66.86	67.03	67.02	67.02	67.25
14							71.18	66.91	67.05	67.04	67.13	67.28
15							70.98	66.96	67.08	67.07	67.07	67.20
16							70.66	67.05	67.12	67.11	67.06	66.99
17							70.34	67.01	67.08	67.09	67.15	67.14
18							69.92	67.12	66.93	67.05	67.02	67.02
19							69.47	67.10	66.82	67.04	67.04	67.02
20							69.06	67.03	66.88	--	67.11	67.01
21							68.62	67.04	67.04	--	67.02	66.94
22							68.17	67.06	67.12	--	66.86	66.81
23							68.61	67.08	67.18	--	67.07	66.70
24							68.43	66.97	67.11	--	66.87	66.65
25							67.87	66.87	67.09	--	66.68	67.03
26							67.60	67.15	67.16	--	66.70	67.33
27							67.31	67.20	67.04	--	67.06	66.96
28							67.15	67.09	67.16	--	67.11	67.14
29					-----		67.18	67.04	67.08	--	67.09	67.32
30					-----		67.54	66.86	67.08	--	66.90	67.28
31		-----			-----		-----	66.81	-----	67.17	66.69	-----
MAX							71.18	67.25	67.18	--	67.21	67.33
MIN							66.83	66.81	66.81	66.89	66.68	66.53

LOCATION.--Lat 32°25'55", long 91°22'00", in NW¼ sec.29, T.17 N., R.11 E., Madison Parish, near left bank on upstream side of bridge on U. S. Highway 80 at Tendal, 200 ft (61 m) upstream from Illinois Central Railroad bridge, and 3 mi (5 km) east of Waverly.

PERIOD OF RECORD.--December 1935 to current year. Monthly discharge only for some periods, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 50.07 ft (15.261 m) above mean sea level. Prior to July 11, 1944, nonrecording gage at site 1,000 ft (305 m) upstream at same datum. July 11, 1944, to Sept. 14, 1954, nonrecording gage at same site and datum. Auxiliary water-stage recorder 8.5 mi (13.7 km) downstream from base gage at datum 50.07 ft (15.261 m) above mean sea level. Oct. 1, 1957, to Nov. 8, 1962, auxiliary nonrecording gage at present site and datum. See WSP 1711 and 1791 for history of changes prior to Oct. 1, 1957.

EXTREMES.--Current year: Maximum daily discharge, 4,000 ft³/s (113 m³/s) Jan. 12; maximum gage height, 24.41 ft (7.440 m) Jan. 11, 12; minimum daily discharge, 17 ft³/s (0.48 m³/s) July 13, 14, Aug. 25, Sept. 24; minimum gage height, 6.17 ft (1.881 m) Oct. 28-31.

Period of record: Maximum discharge, 4,610 ft³/s (131 m³/s) Nov. 19, 1948; maximum gage height, 24.78 ft (7.553 m) Nov. 20, 1948; minimum daily discharge, 2.8 ft³/s (0.079 m³/s) Dec. 8, 1954, but may have been less during period of indefinite stage-discharge relation in October 1954.

REMARKS.--Records poor. Small diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	30	1,260	1,100	2,210	600	520	303	1,380	127	219	24
2	28	33	1,010	1,000	2,060	500	494	263	2,100	52	152	24
3	29	35	821	1,100	1,930	400	371	233	3,000	31	99	24
4	34	55	860	1,200	1,670	350	271	207	3,200	24	67	23
5	38	487	908	1,400	1,380	300	216	329	3,300	24	45	21
6	37	832	738	1,600	1,200	243	178	338	3,200	24	34	20
7	33	657	557	1,800	1,360	200	143	258	3,000	22	26	19
8	30	517	432	2,200	1,370	168	117	213	2,800	27	24	23
9	27	427	345	3,000	1,110	141	96	179	2,500	24	25	25
10	26	323	268	3,500	880	119	88	148	2,300	24	25	23
11	26	250	224	3,800	714	161	86	129	2,000	20	25	24
12	26	200	186	4,000	594	550	361	117	1,700	18	24	32
13	26	164	151	3,900	494	800	1,420	105	1,500	17	26	26
14	26	133	121	3,800	428	700	1,210	89	1,300	17	25	32
15	26	102	104	3,500	2,000	470	877	87	1,100	18	24	32
16	28	78	90	3,000	3,040	293	667	85	1,000	20	23	68
17	34	60	78	2,500	2,840	217	503	82	950	23	23	67
18	37	48	63	2,000	2,600	168	361	81	900	25	22	48
19	37	40	59	1,800	2,450	132	258	80	819	23	21	38
20	35	38	173	1,700	2,250	114	206	80	763	21	20	29
21	31	37	266	1,600	2,100	128	177	78	660	20	19	24
22	29	37	252	1,500	2,150	174	206	104	554	19	19	22
23	26	37	211	1,600	1,900	167	1,360	180	460	18	19	19
24	26	38	500	2,510	1,550	156	1,710	266	379	19	18	17
25	26	64	1,000	2,810	1,300	150	1,160	226	307	20	17	32
26	26	185	2,000	2,820	1,050	146	900	246	248	200	20	219
27	25	1,280	3,000	2,750	900	138	733	507	206	500	23	477
28	25	2,240	2,500	2,660	750	126	583	464	173	600	25	427
29	25	1,940	2,000	2,610	-----	338	465	330	154	550	25	366
30	25	1,550	1,500	2,520	-----	1,020	371	288	143	427	23	332
31	26	-----	1,200	2,400	-----	745	-----	798	-----	322	22	-----
TOTAL	901	11,917	22,877	73,680	44,280	9,914	16,108	6,893	42,096	3,276	1,179	2,557
MEAN	29.1	397	738	2,377	1,581	320	537	222	1,403	106	38.0	85.2
MAX	38	2,240	3,000	4,000	3,040	1,020	1,710	798	3,300	600	219	477
MIN	25	30	59	1,000	428	114	86	78	143	17	17	17
AC=FT	1,790	23,640	45,380	146,100	87,830	19,660	31,950	13,670	83,500	6,500	2,340	5,070
CAL YR 1973	TOTAL 203,152		MEAN 557	MAX 3,000								

RED RIVER BASIN

07369500 Tensas River at Tendam, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.26	6.34	17.05	17.53	22.41	13.89	11.94	10.52	15.21	9.18	9.91	7.62
2	6.27	6.44	15.81	16.39	21.80	12.95	11.78	10.12	17.61	8.37	9.39	7.63
3	6.30	6.49	14.60	18.39	21.15	12.05	11.02	9.75	20.22	7.87	8.91	7.62
4	6.48	6.96	14.23	20.45	20.23	11.23	10.21	9.43	--	7.64	8.56	7.58
5	6.58	11.61	14.29	20.49	19.12	10.51	9.54	10.69	--	7.62	8.25	7.53
6	6.54	13.13	13.41	20.86	18.16	9.87	9.01	10.75	--	7.61	7.94	7.49
7	6.44	12.48	12.36	22.56	18.05	9.33	8.51	10.06	--	7.57	7.68	7.43
8	6.33	11.76	11.44	22.85	17.97	8.87	8.12	9.50	--	7.71	7.61	7.59
9	6.24	11.29	10.66	23.25	17.02	8.48	7.77	9.03	--	7.63	7.64	7.66
10	6.21	10.65	9.95	23.73	15.87	8.15	7.62	8.58	--	7.61	7.64	7.58
11	6.20	9.96	9.34	24.32	14.78	8.77	7.57	8.32	--	7.50	7.65	7.63
12	6.19	9.33	8.79	24.36	13.77	12.80	10.90	8.11	--	7.39	7.63	7.89
13	6.19	8.82	8.28	24.08	12.87	13.75	15.88	7.91	--	7.36	7.69	7.70
14	6.19	8.37	7.83	23.96	12.20	12.73	16.30	7.64	--	7.32	7.67	7.89
15	6.19	7.87	7.55	23.93	17.45	11.52	15.46	7.60	--	--	7.63	7.90
16	6.25	7.43	7.30	23.65	21.61	10.42	14.36	7.56	--	--	7.60	8.57
17	6.45	7.05	7.08	23.18	22.32	9.55	13.11	7.51	--	--	7.60	8.56
18	6.56	6.81	6.77	22.54	22.14	8.87	11.90	7.48	--	--	7.57	8.32
19	6.56	6.63	6.69	21.80	21.93	8.35	10.79	7.47	14.04	--	7.53	8.07
20	6.49	6.57	8.60	21.06	21.42	8.07	9.80	7.45	13.62	--	7.50	7.80
21	6.38	6.55	9.91	20.18	20.84	8.30	9.00	7.43	12.99	--	7.47	7.61
22	6.29	6.54	9.73	19.09	20.93	8.96	9.41	7.90	12.38	--	7.45	7.54
23	6.21	6.56	9.16	19.84	20.35	8.86	15.14	9.04	11.83	--	7.42	7.43
24	6.20	6.57	12.99	21.76	19.30	8.70	16.26	10.16	11.26	--	7.38	7.35
25	6.19	7.14	19.92	23.15	18.16	8.62	15.43	9.68	10.71	--	7.35	7.90
26	6.19	9.12	21.43	23.55	17.03	8.56	14.29	9.91	10.23	--	7.47	9.92
27	6.18	15.01	21.80	23.66	15.95	8.44	13.28	11.71	9.82	--	7.60	11.56
28	6.18	19.21	21.50	23.70	14.91	8.27	12.41	11.49	9.56	--	7.64	11.29
29	6.17	19.17	20.81	23.66	-----	10.75	11.67	10.70	9.41	--	7.64	10.93
30	6.17	18.22	19.83	23.40	-----	13.89	11.01	10.37	9.32	11.29	7.59	10.71
31	6.21	-----	18.69	22.97	-----	13.06	-----	13.09	-----	10.64	7.55	-----
MAX	6.58	19.21	21.80	24.36	22.41	13.89	16.30	13.09	--	--	9.91	11.56
MIN	6.17	6.34	6.69	16.39	12.20	8.07	7.57	7.43	9.32	--	7.35	7.35

109

LOCATION.--Lat 32°59'35", long 91°15'45", in SW¼SE¼ sec.8, T.23 N., R.12 E., East Carroll-West Carroll Parish line, near center of channel on downstream side of bridge on State Highway 585, 0.8 mi (1.3 km) south of Arkansas-Louisiana State line, and 3.0 mi (4.8 km) east of Kilbourne.

PERIOD OF RECORD.--October 1957 to September 1968. October 1968 to current year (annual maximum gage height and discharge below 200 ft³/s (5.66 m³/s) only).

GAGE.--Water-stage recorder. Datum of gage is 75.41 ft (22.985 m) above mean sea level (Corps of Engineers bench mark). Prior to Oct. 1, 1965, at datum 2.00 ft (0.610 m) higher.

EXTREMES. --Current year: Maximum gage height, 24.39 ft (7.434 m) June 8; minimum discharge, 114 ft³/s (3.23 m³/s) Oct. 5 (gage height, 2.26 ft or 0.689 m).

Period of record: Maximum gage height, 26.73 ft (8.147 m) Mar. 17, 1973, present datum; no flow June 11, 1963, result of pumping for irrigation.
1957-68: Maximum discharge, 4,740 ft³/s (134 m³/s) May 5, 1958.

REMARKS.--Records fair. Large diversions above station for irrigation. Interconnecting system of bayous and drainage ditches produces an interchange of flow under varying conditions; hence, the drainage limits were more or less arbitrarily determined. See following page for table of daily gage height. Records of water temperatures for the water year 1974 are published in Part 2 of this report.

[illegible]

RED RIVER BASIN

07369700 Bayou Macon near Kilbourne, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.44	2.87	19.23	15.13	19.84	12.63	8.69	11.86	11.78	6.37	7.11	10.87
2	2.38	2.73	18.83	14.29	18.73	11.80	8.13	10.69	12.02	6.15	6.40	13.08
3	2.32	2.61	18.28	17.61	17.67	10.84	7.55	9.54	12.97	5.86	5.84	14.32
4	2.29	3.45	18.06	18.50	16.64	9.90	7.11	8.62	13.81	5.74	5.83	15.19
5	2.28	9.56	17.67	16.81	15.71	8.98	6.73	7.88	17.03	5.56	5.48	16.00
6	2.38	8.10	17.21	16.37	14.90	8.22	6.31	7.24	20.44	5.30	5.08	16.73
7	2.51	6.36	16.90	16.84	14.20	7.63	5.84	6.75	20.53	4.91	4.73	17.24
8	2.38	6.60	16.52	15.69	13.52	7.20	5.46	6.28	24.00	4.88	4.76	17.45
9	2.32	6.92	15.95	15.02	12.87	6.87	5.24	5.88	24.23	4.75	4.66	17.34
10	2.35	6.48	15.25	15.98	12.21	6.60	4.94	5.54	24.21	4.42	4.46	16.90
11	2.42	6.12	14.49	21.62	11.50	6.69	4.60	5.34	23.81	4.32	4.43	16.23
12	2.50	5.93	13.71	22.38	10.74	8.26	14.81	5.25	23.12	3.94	4.41	15.39
13	2.55	5.66	13.01	22.04	10.01	8.22	17.42	5.11	22.27	3.61	4.74	14.61
14	2.75	5.34	12.27	22.26	9.74	7.33	15.43	4.92	21.14	3.55	8.16	13.95
15	2.88	4.99	11.40	22.94	14.48	6.67	14.04	4.91	20.20	3.58	6.77	13.36
16	6.53	4.67	10.34	22.82	16.64	6.36	12.98	4.76	19.26	3.49	5.41	12.76
17	9.56	4.33	9.14	22.53	14.78	6.19	11.98	4.62	17.89	3.66	5.70	12.08
18	7.04	3.99	7.92	22.04	12.64	6.00	10.93	4.51	16.56	3.63	5.29	11.28
19	5.32	3.72	7.07	21.31	14.59	5.83	9.87	4.38	15.35	3.36	4.66	10.07
20	4.62	3.57	7.35	20.58	14.14	5.77	8.89	4.26	14.28	3.33	4.41	8.80
21	4.25	4.31	7.04	19.77	13.73	7.51	8.02	4.11	13.39	3.31	4.27	7.63
22	3.98	4.69	6.50	18.77	15.32	7.35	15.92	5.01	12.60	3.31	4.17	6.84
23	3.76	4.94	6.39	19.61	15.01	6.59	22.87	8.40	12.17	3.32	4.18	6.00
24	3.53	5.28	12.31	22.25	15.09	6.22	22.51	8.00	11.44	4.55	4.13	5.38
25	3.27	7.03	19.20	23.53	15.06	5.95	21.03	7.63	10.26	5.36	4.10	6.38
26	3.07	8.40	19.47	23.55	14.68	5.66	19.19	9.69	9.04	10.75	4.00	8.17
27	2.91	15.07	19.02	23.43	14.07	5.45	17.50	11.34	8.12	13.42	3.19	7.19
28	2.81	20.38	18.22	23.34	13.37	5.30	15.97	11.44	7.45	11.98	3.81	7.02
29	2.72	20.26	17.54	22.95	-----	10.56	14.58	11.58	7.06	10.76	3.95	7.23
30	2.61	19.64	16.80	21.70	-----	11.14	13.19	11.34	6.69	9.36	5.37	7.07
31	2.71	-----	15.99	20.97	-----	9.73	-----	10.89	-----	8.03	8.44	-----
MAX	9.56	20.38	19.47	23.55	19.84	12.63	22.87	11.86	24.23	13.42	8.44	17.45
MIN	2.28	2.61	6.39	14.29	9.74	5.30	4.60	4.11	6.69	3.31	3.19	5.38

RED RIVER BASIN

07370000 Bayou Macon near Delhi, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.24	6.55	13.04	13.21	19.24	10.44	8.45	9.88	8.57	7.35	7.85	7.81
2	6.23	6.51	12.57	12.14	18.09	9.91	8.11	9.21	8.73	7.23	7.67	8.27
3	6.34	6.50	12.11	13.96	16.94	9.41	7.82	8.72	8.64	7.14	7.53	8.65
4	6.42	6.72	12.07	16.38	15.78	8.91	7.67	8.27	8.64	7.08	7.27	8.86
5	6.43	8.52	11.98	16.73	14.72	8.48	7.52	8.22	10.32	7.03	7.15	9.03
6	6.41	8.77	11.56	16.88	13.92	8.16	7.41	8.06	13.94	7.00	7.06	9.19
7	6.41	8.29	11.07	18.61	13.47	7.95	7.29	7.71	16.26	6.98	6.95	9.38
8	6.43	7.82	10.63	18.56	12.84	7.79	7.24	7.48	19.21	6.91	6.85	9.62
9	6.46	7.68	10.26	18.41	11.98	7.67	7.12	7.33	20.44	6.87	6.84	9.90
10	6.49	7.68	9.94	18.98	11.20	7.58	7.02	7.20	20.69	6.83	6.82	10.01
11	6.43	7.53	9.62	19.50	10.49	7.70	6.96	7.12	20.46	6.73	6.82	10.00
12	6.45	7.38	9.31	19.86	9.86	8.24	8.53	7.04	20.03	6.62	6.80	9.88
13	6.45	7.28	9.04	19.51	9.32	8.25	12.55	6.97	19.44	6.50	6.80	9.70
14	6.49	7.22	8.82	19.31	8.96	8.05	14.41	6.94	18.62	6.38	7.12	9.73
15	6.49	7.15	8.65	19.66	13.23	7.84	13.86	6.91	17.73	6.38	7.51	9.93
16	6.62	7.06	8.47	19.29	18.35	7.64	12.46	6.85	16.94	6.54	7.51	9.48
17	6.98	6.97	8.27	18.59	19.12	7.50	10.95	6.86	15.76	6.50	7.20	9.03
18	7.70	6.89	8.04	17.82	18.10	7.41	9.61	6.81	14.47	6.48	7.09	8.78
19	7.67	6.81	7.88	17.14	17.07	7.36	8.67	6.76	13.19	6.45	7.05	8.59
20	7.30	6.75	8.10	16.68	16.05	7.35	8.21	6.74	11.92	6.34	6.90	8.35
21	7.00	6.91	7.98	16.20	14.98	7.95	7.92	6.73	10.77	6.26	6.76	8.08
22	6.83	7.01	7.72	--	14.94	8.09	8.89	6.78	9.76	6.21	6.64	7.80
23	6.73	6.98	7.51	16.70	14.47	7.90	13.37	6.92	9.09	6.24	6.60	7.57
24	6.65	6.95	9.71	19.37	13.57	7.66	15.90	7.46	8.75	6.48	6.59	7.38
25	6.59	7.44	15.56	21.31	12.72	7.49	16.20	7.60	8.52	6.68	6.55	7.68
26	6.52	7.80	18.11	21.84	12.04	7.41	15.54	7.96	8.27	8.96	6.64	9.06
27	6.50	8.98	18.60	21.91	11.48	7.34	14.51	8.96	8.00	12.15	6.70	8.83
28	6.45	11.60	18.01	21.83	10.97	7.27	13.31	8.92	7.77	12.49	6.62	8.19
29	6.33	13.28	16.88	21.72	-----	8.75	12.07	8.59	7.58	11.03	6.69	8.00
30	6.27	13.42	15.57	21.14	-----	9.25	10.88	8.44	7.45	9.36	6.77	7.80
31	6.48	-----	14.36	20.30	-----	8.90	-----	8.37	-----	8.33	7.00	-----
MAX	7.70	13.42	18.60	21.91	19.24	10.44	16.20	9.88	20.69	12.49	7.85	10.01
MIN	6.23	6.50	7.51	12.14	8.96	7.27	6.96	6.73	7.45	6.21	6.55	7.38

07371500 Dugdemona River near Jonesboro, La.

LOCATION.--Lat 32°12'25", long 92°48'05", in SW¼ sec.8, T.14 N., R.4 W., Bienville-Jackson Parish line, on left bank just downstream from bridge on State Highway 4, 200 ft (61 m) downstream from Brush Creek, 1.5 mi (2.4 km) downstream from McDonald Creek, and 5.4 mi (8.7 km) west of Jackson Parish courthouse in Jonesboro.

DRAINAGE AREA.--355 mi² (919 km²).

PERIOD OF RECORD.--October 1938 to September 1957. November 1957 to current year (annual maximum and gage height only).

GAGE.--Water-stage recorder. Datum of gage is 116.53 ft (35.518 m) above mean sea level. Prior to Nov. 29, 1938, nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum discharge, 10,900 ft³/s (309 m³/s) Jan. 26 (gage height, 16.26 ft or 4.956 m); minimum gage height, 3.57 ft or 1.088 m July 7.

Period of record: Maximum discharge, 30,600 ft³/s (867 m³/s) Jan. 1, 1945 (gage height, 19.87 ft or 6.056 m); minimum gage height, 2.67 ft (0.814 m) Sept. 26, 1955.

1938-57: Minimum observed, 0.4 ft³/s (0.011 m³/s) Aug. 31, 1954 (discharge measurement), but may have been less in September 1954.

REMARKS.--Water used by paper mill at Hodge is pumped from wells and discharged into stream about 7 mi (11 km) above station. Part of effluent is discharged continually whenever mill is operating, but that containing waste material is stored in a reservoir and released whenever river flow is sufficient to materially dilute it.

REVISIONS.--WRD 1971: Drainage area.

Discharge measurement made during collection of record

Date Discharge (cfs)

July 30, 1974 34.0

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.78	7.75	11.02	10.77	12.31	10.25	10.28	6.61	5.62	4.00	3.75	4.64
2	5.70	8.82	10.81	10.20	11.80	9.85	10.29	6.90	5.33	3.96	3.96	5.30
3	5.14	8.81	10.22	9.77	11.35	9.54	9.76	7.15	5.88	3.94	3.85	6.54
4	4.72	8.04	10.36	10.02	10.93	9.24	9.12	6.78	6.32	3.94	3.90	6.76
5	4.51	11.65	11.90	10.68	10.50	8.96	8.51	6.48	5.71	3.93	3.96	5.71
6	4.36	13.08	13.05	11.05	10.12	8.68	7.80	6.55	5.31	3.77	3.96	4.84
7	4.29	13.26	13.66	12.07	9.76	8.38	7.11	6.59	5.46	3.61	3.86	4.49
8	4.23	12.64	12.86	12.45	9.47	8.10	6.75	7.02	7.78	3.66	3.84	4.35
9	4.18	12.16	12.10	12.87	9.23	9.89	6.58	6.38	9.38	6.39	3.63	5.86
10	4.12	11.63	11.47	12.96	9.00	7.69	6.39	5.74	9.77	8.08	4.25	8.32
11	4.06	10.98	10.91	12.86	8.74	8.19	6.14	5.42	10.25	8.02	4.62	8.82
12	4.22	10.21	10.30	13.05	8.52	10.52	10.01	5.36	10.25	6.30	4.58	9.05
13	4.61	9.28	9.65	13.15	8.32	13.57	12.42	5.26	9.93	5.15	4.39	9.06
14	6.24	8.35	9.06	13.18	8.18	13.14	12.80	5.04	8.91	4.67	4.25	9.30
15	7.52	7.63	8.64	12.83	8.89	12.63	12.21	4.88	7.35	4.93	4.02	10.06
16	7.78	7.13	8.25	12.53	12.34	12.02	11.43	4.57	6.70	5.24	3.92	10.71
17	9.49	6.82	7.82	12.38	13.01	11.37	10.44	4.36	6.08	4.88	3.80	10.85
18	10.00	6.59	7.41	12.10	12.93	10.74	9.15	4.26	5.65	4.49	3.64	10.53
19	9.70	6.39	7.13	11.71	12.75	10.07	8.10	4.44	6.44	4.31	3.70	9.37
20	9.09	6.17	8.51	12.10	12.97	9.43	7.25	4.51	6.23	4.32	3.92	8.52
21	8.00	6.97	9.79	12.72	12.41	9.36	6.74	4.43	5.72	4.06	3.79	7.90
22	6.55	8.26	10.31	12.93	14.56	9.97	6.41	4.51	5.24	4.07	3.69	6.67
23	5.68	8.67	10.61	12.70	15.06	10.33	10.24	4.73	4.92	3.97	3.73	5.89
24	5.18	8.72	10.81	12.80	13.50	10.61	11.19	5.38	4.69	3.95	3.84	5.70
25	5.22	8.27	11.31	14.50	12.57	10.52	11.12	6.12	4.50	4.32	3.88	5.32
26	5.18	8.55	12.34	16.15	11.87	9.97	11.00	5.72	4.13	4.33	3.92	7.05
27	4.94	9.35	12.97	14.83	11.31	9.81	10.44	6.78	4.03	4.10	3.88	9.05
28	4.85	10.00	12.81	14.32	10.77	9.93	9.12	8.58	4.14	4.14	3.81	9.57
29	4.75	10.63	12.28	14.00	-----	10.02	7.94	8.99	4.13	3.99	3.73	10.14
30	4.65	10.92	11.77	13.42	-----	10.28	7.04	8.16	4.06	3.81	3.81	10.55
31	4.78	-----	11.29	12.84	-----	10.25	-----	6.42	-----	3.78	4.30	-----
MAX	10.00	13.26	13.66	16.15	15.06	13.57	12.80	8.99	10.25	8.08	4.62	10.85
MIN	4.06	6.17	7.13	9.77	8.18	7.69	6.14	4.26	4.03	3.61	3.63	4.35

07372000 Dugdemona River near Winnfield, La.

LOCATION.--Lat 31°58'30", long 92°39'10", on line between secs.34 and 35, T.12 N., R.3 W., Winn Parish, on right bank just downstream from bridge on U. S. Highway 167, 300 ft (91 m) upstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 2.4 mi (3.9 km) downstream from Kyiaies Creek, and 3.5 mi (5.6 km) north of Winnfield.

DRAINAGE AREA.--654 mi² (1,694 km²).

PERIOD OF RECORD.--April 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 81.14 ft (24.731 m) above mean sea level (Louisiana Geodetic Survey bench mark). Prior to Dec. 19, 1950, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--35 years, 701 ft³/s (19.85 m³/s), 508,000 acre-ft/yr (626 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 13,200 ft³/s (374 m³/s) Jan. 27 (gage height, 20.00 ft or 6.096 m); minimum, 27 ft³/s (0.76 m³/s) Aug. 25 (gage height, 2.26 ft or 0.689 m).

Period of record: Maximum discharge, 27,100 ft³/s (767 m³/s) May 19, 1953 (gage height, 23.78 ft or 7.248 m); no flow at times in 1947, 1954, 1956-57, (result of temporary regulation).

REMARKS.--Records good. Water used by paper mill at Hodge is pumped from wells and discharged into stream about 30 mi (48.3 km) above station. Part of effluent is discharged continually whenever mill is operating, but that containing waste material is stored in a reservoir and released whenever river flow is sufficient to materially dilute it. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1341: Drainage area. WSP 1391: 1939-41.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	70	300	527	2,460	4,920	2,180	1,070	909	349	34	36	80
2	104	250	583	2,080	3,870	1,780	992	671	300	35	34	92
3	122	300	663	1,900	3,160	1,480	939	406	186	34	35	107
4	122	500	1,010	1,810	2,590	1,230	886	303	120	32	33	115
5	103	800	1,490	1,600	2,130	1,040	839	288	116	30	34	129
6	78	1,500	1,690	1,510	1,790	884	774	270	140	29	35	154
7	62	2,000	1,750	1,790	1,540	740	664	292	148	29	34	148
8	52	2,700	1,900	2,160	1,340	615	521	282	131	29	34	123
9	46	3,310	2,620	3,200	1,170	527	388	244	142	32	37	140
10	43	3,270	3,240	4,070	1,010	478	285	224	282	38	36	152
11	45	2,860	2,990	4,100	868	581	302	216	357	65	37	295
12	60	2,370	2,440	4,380	736	700	7,510	184	396	174	39	372
13	111	1,940	1,950	4,560	627	685	7,370	151	441	222	48	469
14	489	1,620	1,600	4,470	553	695	5,320	134	487	209	62	650
15	387	1,330	1,310	4,500	550	902	3,840	125	530	181	95	820
16	602	1,100	1,080	4,440	859	1,810	3,350	108	548	229	86	858
17	557	879	879	4,090	1,080	2,550	2,920	91	492	211	60	844
18	455	617	666	3,560	1,570	2,440	2,350	76	355	126	47	793
19	445	384	534	3,210	3,330	2,070	1,860	65	222	93	41	737
20	474	297	738	3,710	4,240	1,730	1,460	58	150	73	36	723
21	512	506	787	4,130	4,110	1,510	1,130	55	129	57	31	730
22	527	463	744	4,140	4,410	1,290	893	65	134	48	32	707
23	483	415	724	5,110	6,120	1,110	973	71	122	43	35	595
24	350	410	956	7,020	7,750	961	998	84	99	38	34	405
25	185	428	1,460	8,820	6,930	855	1,100	104	78	35	31	277
26	140	474	1,720	10,100	4,880	823	1,260	109	66	35	31	360
27	100	559	1,910	12,600	3,540	958	1,320	142	57	35	31	293
28	80	630	2,050	12,100	2,760	1,070	1,250	190	49	41	40	281
29	70	556	2,280	9,570	-----	1,180	1,160	250	39	45	43	335
30	60	508	2,670	7,810	-----	1,230	1,050	285	35	42	43	383
31	70	-----	2,750	6,360	-----	1,150	-----	324	-----	40	50	-----
TOTAL	7,004	33,276	47,711	151,360	78,433	37,254	54,774	6,776	6,700	2,364	1,300	12,167
MEAN	226	1,109	1,539	4,883	2,801	1,202	1,826	219	223	76.3	41.9	406
MAX	602	3,310	3,240	12,600	7,750	2,550	7,510	909	548	229	95	858
MIN	43	250	527	1,510	550	478	285	55	35	29	31	80
AC-FT	13,890	66,000	94,630	300,200	155,600	73,890	108,600	13,440	13,290	4,690	2,580	24,130
CAL YR 1973	TOTAL 391,625		MEAN 1,073	MAX 7,710	MIN 19	AC-FT 776,800						
WTR YR 1974	TOTAL 439,119		MEAN 1,203	MAX 12,600	MIN 29	AC-FT 871,000						

RED RIVER BASIN

115

07372000 Dugdemona River near Winnfield, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.22	--	8.45	14.87	16.88	14.48	11.50	10.68	6.84	2.43	2.45	3.46
2	3.87	--	8.83	14.32	16.26	13.77	11.13	9.34	6.30	2.44	2.38	3.65
3	4.16	--	9.31	14.02	15.64	13.02	10.85	7.38	4.97	2.42	2.42	3.88
4	4.16	--	11.23	13.84	15.03	12.20	10.56	6.34	4.13	2.37	2.36	4.01
5	3.85	--	13.06	13.36	14.40	11.36	10.30	6.18	4.06	2.33	2.40	4.21
6	3.41	--	13.58	13.11	13.79	10.54	9.94	5.98	4.40	2.31	2.41	4.54
7	3.07	--	13.71	13.80	13.20	9.74	9.32	6.22	4.50	2.31	2.38	4.46
8	2.85	15.15	14.01	14.43	12.60	9.02	8.40	6.11	4.28	2.31	2.39	4.12
9	2.72	15.80	15.04	15.69	11.92	8.45	7.22	5.69	4.42	2.38	2.47	4.35
10	2.64	15.75	15.73	16.41	11.20	8.06	6.14	5.45	6.10	2.52	2.44	4.49
11	2.69	15.33	15.47	16.43	10.45	8.81	6.09	5.35	6.92	3.08	2.46	6.25
12	3.02	14.74	14.84	16.60	9.73	9.52	17.79	4.95	7.31	4.83	2.51	7.07
13	3.99	14.09	14.11	16.71	9.10	9.44	17.99	4.54	7.74	5.42	2.73	7.95
14	8.16	13.39	13.35	16.66	8.62	9.49	17.07	4.32	8.14	5.26	3.07	9.23
15	7.22	12.57	12.51	16.67	8.59	10.62	16.24	4.20	8.46	4.91	3.70	10.20
16	8.95	11.63	11.56	16.64	10.40	13.67	15.83	3.94	8.60	5.51	3.56	10.41
17	8.66	10.52	10.52	16.42	11.54	14.98	15.39	3.65	8.18	5.29	3.03	10.34
18	7.86	9.04	9.33	16.02	13.16	14.84	14.73	3.37	6.88	4.22	2.71	10.05
19	7.77	7.19	8.50	15.70	15.71	14.30	13.93	3.14	5.41	3.69	2.55	9.74
20	8.03	6.28	9.74	16.15	16.52	13.63	12.97	2.98	4.53	3.30	2.44	9.66
21	8.34	8.28	10.01	16.45	16.44	13.10	11.74	2.91	4.25	2.96	2.32	9.70
22	8.45	7.94	9.77	16.46	16.62	12.42	10.60	3.14	4.33	2.75	2.35	9.56
23	8.11	7.50	9.66	16.98	17.44	11.64	11.02	3.27	4.16	2.62	2.43	8.89
24	6.83	7.45	10.94	17.84	18.16	10.96	11.16	3.51	3.77	2.49	2.39	7.36
25	4.96	7.62	12.96	18.58	17.80	10.39	11.60	3.87	3.42	2.42	2.31	6.04
26	--	8.03	13.65	19.03	16.85	10.21	12.33	3.95	3.16	2.43	2.31	6.95
27	--	8.67	14.04	19.82	15.99	10.94	12.53	4.43	2.96	2.41	2.32	6.23
28	--	9.12	14.28	19.69	15.21	11.53	12.27	5.02	2.77	2.56	2.53	6.09
29	--	8.65	14.63	18.85	-----	11.99	11.90	5.74	2.56	2.67	2.60	6.68
30	--	8.31	15.13	18.18	-----	12.20	11.41	6.14	2.44	2.59	2.61	7.18
31	--	-----	15.21	17.42	-----	11.86	-----	6.58	-----	2.53	2.78	-----
MAX	8.95	15.80	15.73	19.82	18.16	14.98	17.99	10.68	8.60	5.51	3.70	10.41
MIN	2.64	--	8.45	13.11	8.59	8.06	6.09	2.91	2.44	2.31	2.31	3.46

07372190 Little River at Rochelle, La.

LOCATION.--Lat 31°47'35", long 92°21'42", in NE¼ sec.4, T.9 N., R.1 E., Grant-La Salle Parish line, near center of channel on downstream side of bridge on U.S. Highway 165, 5.0 mi (8.0 km) upstream from gaging station Little River near Rochelle (sta 07372200), and at north city limits of Rochelle.

DRAINAGE AREA.--1,892 mi² (4,900 km²).

PERIOD OF RECORD.--October 1973 to current year (gage heights only). Gage heights October 1938 to November 1946, February 1948 to September 1957 in files of Corps of Engineers. Records of daily gage heights November 1957 to September 1973 in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is 24.79 ft (7.556 m) above mean sea level (Corps of Engineers bench mark). Prior to May 9, 1960, nonrecording gage 0.1 mi (0.02 km) upstream at same datum.

EXTREMES.--Current year: Maximum gage height, 43.43 ft (13.238 m) Apr. 14; minimum, 7.89 ft (2.405 m) Aug. 7, 8. Maximum stage known since 1938, 50.90 ft (15.514 m) May 19, 1953, from floodmarks.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.61	10.72	26.50	33.86	37.19	34.56	27.69	24.80	15.04	--	9.18	12.60
2	8.56	12.72	25.39	33.04	36.40	33.83	27.31	24.06	14.94	--	9.22	13.30
3	8.48	13.87	24.11	33.56	35.59	32.84	26.63	23.29	14.82	--	9.14	13.11
4	8.76	14.01	23.67	34.40	34.79	31.61	25.67	22.45	13.62	--	8.67	13.25
5	9.11	20.94	24.68	34.82	34.32	30.25	24.61	21.63	14.21	--	8.26	13.04
6	9.34	24.95	25.25	35.05	33.57	28.91	23.57	21.24	14.01	--	8.02	12.23
7	9.31	26.53	25.43	35.47	32.75	27.75	22.66	21.15	14.02	--	7.91	11.16
8	9.02	27.60	25.63	35.65	31.91	26.80	21.90	21.09	14.22	--	7.94	11.01
9	8.70	28.42	25.61	36.04	31.10	26.02	21.10	20.92	14.45	--	7.99	13.25
10	8.41	28.72	25.33	36.88	30.40	25.40	20.37	20.70	14.84	--	8.08	15.48
11	8.73	28.67	24.95	37.69	29.75	24.98	19.64	20.55	15.52	--	8.07	16.23
12	11.96	28.65	24.87	37.86	29.11	24.87	27.56	20.37	16.36	--	8.09	15.99
13	14.01	28.68	25.24	37.44	28.54	24.77	39.87	20.14	17.30	--	8.28	16.24
14	20.70	28.38	25.68	36.76	28.05	24.76	43.15	19.88	18.16	19.09	8.69	19.17
15	22.53	27.34	25.84	36.07	28.08	24.75	41.64	19.58	18.98	18.78	8.35	21.09
16	24.17	25.65	25.62	35.52	29.57	24.84	39.55	19.31	19.84	18.58	8.53	21.75
17	25.12	23.69	24.97	35.16	30.42	25.26	37.55	18.95	20.61	18.01	8.82	22.47
18	24.90	21.62	24.08	34.94	30.78	25.89	36.10	18.48	21.05	17.33	8.91	22.21
19	23.86	19.51	23.42	35.18	31.25	26.53	34.94	18.01	21.39	16.67	8.96	23.51
20	21.86	17.32	25.06	35.86	32.46	26.95	33.86	17.53	21.66	15.93	8.69	23.05
21	19.24	15.94	26.52	36.28	33.34	27.05	32.65	17.10	--	15.18	8.37	21.33
22	16.99	15.88	26.85	36.48	34.29	26.90	31.14	17.51	--	14.49	8.13	18.62
23	15.79	16.22	26.63	36.35	34.88	26.69	29.68	17.15	--	13.45	8.00	16.54
24	15.21	16.02	30.50	36.46	35.01	26.43	28.73	16.03	--	13.00	8.26	15.40
25	14.76	17.40	34.58	37.05	34.88	26.00	28.07	15.59	--	12.37	8.29	14.55
26	14.03	20.63	36.60	38.22	34.90	25.37	27.42	15.52	--	11.78	8.24	14.00
27	12.86	23.85	37.43	39.16	34.97	25.84	26.73	15.83	--	11.23	8.23	14.82
28	11.55	27.03	37.37	39.54	34.93	26.75	26.16	15.74	--	10.70	8.08	15.95
29	10.47	27.68	37.23	39.42	-----	27.23	25.81	15.42	--	10.20	8.16	15.56
30	9.76	27.38	36.42	38.43	-----	27.66	25.51	15.18	--	9.81	8.75	14.59
31	9.83	-----	34.60	38.08	-----	27.79	-----	15.10	-----	9.48	9.40	-----
MAX	25.12	28.72	37.43	39.54	37.19	34.56	43.15	24.80	--	--	9.40	23.51
MIN	8.41	10.72	23.42	33.04	28.06	24.75	19.64	15.10	13.62	9.48	7.91	11.01

07372200 Little River near Rochelle, La.

LOCATION.--Lat 31°45'15", long 92°20'40", in SW¼SW¼ sec.14, T.9 N., R.1 E., Grant-La Salle Parish line, near right bank on downstream side of pier of bridge on State Highway 500, 700 ft (213 m) upstream from Louisiana Midland Railway Co. bridge, 1.1 mi (1.8 km) northeast of Zenoria, and 3.0 mi (4.8 km) southeast of Rochelle.

DRAINAGE AREA.--1,899 mi² (4,918 km²).

PERIOD OF RECORD.--October 1957 to current year.

GAGE.--Water-stage recorder. Datum of gage is 24.79 ft (7.556 m) above mean sea level (Corps of Engineers bench mark). Auxiliary water-stage recorder 5.0 mi (8.0 km) upstream (see sta 07372190) from base gage at same datum. Prior to May 9, 1960, auxiliary nonrecording gage 5.1 mi (8.2 km) upstream from base gage at same datum.

AVERAGE DISCHARGE.--17 years, 1,905 ft³/s (53.94 m³/s), 13.62 in/yr (346 mm/yr), 1,380,000 acre-ft/yr (1.70 km³/yr).

EXTREMES.--Current year: Maximum discharge, 54,800 ft³/s (1,552 m³/s) Apr. 14 (gage height, 40.20 ft or 12.253 m); minimum discharge, 78 ft³/s (2.21 m³/s) Aug. 23, 24 (gage height, 6.29 ft or 1.917 m).

Period of record: Maximum discharge, 54,800 ft³/s (1,552 m³/s) Apr. 14, 1974 (gage height, 40.20 ft or 12.253 m); minimum daily, 14 ft³/s (0.40 m³/s) Oct. 20-29, 1967; minimum gage height, 5.10 ft (1.554 m) Oct. 27, 28, 29, 1967.

REMARKS.--Records good. Natural flow is supplemented by effluent from operation of several oilfields above station. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	126	322	3,480	8,510	17,500	9,370	4,280	2,790	771	160	150	515
2	128	521	3,140	7,720	14,300	8,520	4,120	2,370	743	155	207	679
3	121	729	2,820	8,350	12,000	7,740	3,760	1,850	717	152	212	667
4	130	773	2,730	9,030	10,500	6,970	3,300	1,430	581	150	176	671
5	162	1,920	3,010	9,500	9,300	5,500	2,870	908	443	147	149	647
6	188	2,990	3,130	9,800	8,500	4,160	2,450	734	305	143	135	556
7	196	3,360	3,140	10,800	7,930	3,140	2,090	838	227	141	125	425
8	179	3,640	3,200	11,300	7,110	2,380	1,870	888	218	139	109	386
9	152	3,940	3,240	12,100	6,030	1,790	1,590	842	207	138	102	601
10	126	4,120	3,220	14,400	5,180	1,370	1,360	688	172	136	100	997
11	148	4,130	3,170	18,400	4,380	1,090	1,150	508	159	133	98	1,140
12	528	4,100	3,170	19,700	3,560	1,170	3,500	478	308	131	94	1,120
13	766	4,110	3,280	18,300	2,790	1,420	18,600	335	509	130	96	1,160
14	1,970	4,030	3,440	15,500	2,150	1,600	53,000	290	614	234	133	1,630
15	2,370	3,730	3,540	12,800	2,260	1,810	43,900	250	729	351	124	1,970
16	2,710	3,230	3,330	11,300	4,240	2,060	29,000	220	912	552	112	2,110
17	2,950	2,720	2,900	10,300	5,400	2,510	18,200	210	1,030	447	137	2,250
18	2,940	2,250	2,380	9,730	5,920	2,990	13,300	195	945	372	153	2,410
19	2,720	1,840	2,070	10,200	6,410	3,450	9,920	185	753	317	169	2,510
20	2,300	1,440	2,940	11,800	7,220	3,750	8,160	180	430	200	149	2,460
21	1,800	1,180	3,620	12,700	7,840	3,810	7,000	350	330	156	123	2,170
22	1,370	1,150	3,780	13,500	8,760	3,710	5,900	560	270	141	99	1,680
23	1,130	1,180	3,650	13,300	9,500	3,600	4,850	600	230	123	83	1,280
24	1,010	1,160	5,790	13,600	9,890	3,480	4,350	540	215	120	86	1,070
25	936	1,340	8,960	15,700	9,700	3,240	4,070	500	200	117	100	931
26	834	1,970	12,400	21,000	9,750	2,870	3,750	516	195	115	103	827
27	673	2,610	17,000	27,100	10,200	2,920	3,440	795	185	112	100	889
28	501	3,740	17,000	29,300	10,100	3,540	3,250	845	175	110	92	1,090
29	371	3,980	14,200	28,600	-----	3,900	3,130	810	170	108	89	1,080
30	286	3,790	11,600	24,100	-----	4,220	3,070	784	165	107	129	942
31	272	-----	9,790	21,300	-----	4,350	-----	778	-----	130	182	-----
TOTAL	30,093	76,045	159,120	459,740	218,520	112,430	269,230	23,267	12,908	5,677	3,916	36,863
MEAN	971	2,535	5,455	14,830	7,404	3,627	8,974	751	430	183	126	1,229
MAX	2,950	4,130	17,000	29,300	17,600	9,370	53,000	2,790	1,030	552	212	2,510
MIN	121	322	2,070	7,720	2,150	1,090	1,150	180	159	107	83	386
CFSM	.52	1.35	2.90	7.89	4.15	1.93	4.77	.40	.23	.10	.07	.65
IN.	.60	1.50	3.35	9.10	4.32	2.22	5.33	.46	.26	.11	.08	.73
AC-FT	59,690	150,800	335,400	911,900	433,400	223,000	534,000	46,150	25,600	11,260	7,770	73,120
CAL YR 1973	TOTAL 1,358,584	MEAN 3,750	MAX 22,100	MIN 71	CFSM 1.99	IN 27.08	AC-FT 2,715,000					
WTR YR 1974	TOTAL 1,417,809	MEAN 3,884	MAX 53,000	MIN 63	CFSM 2.07	IN 28.05	AC-FT 2,812,000					

07373000 Big Creek at Pollock, La.
(Hydrologic bench-mark station)

LOCATION.--Lat 31°32'10", long 92°24'30", in SW¼SE¼ sec.31, T.7 N., R.1 E., Grant Parish, near right bank on downstream side of bridge on U. S. Highway 165, 0.5 mi (0.8 km) upstream from Sugar Branch, 0.6 mi (1.0 km) upstream from Missouri Pacific Railroad Co. bridge, 0.8 mi (1.3 km) upstream from water-supply diversion dam, 0.8 mi (1.3 km) north of Pollock, and 1.3 mi (2.1 km) downstream from Dyson Creek.

DRAINAGE AREA.--51 mi² (132 km²).

PERIOD OF RECORD.--January 1942 to current year.

GAGE.--Duplex water-stage recorder (rain gage, water stage, and water temperature combination), concrete control since July 16, 1964. Datum of gage is 76.69 ft (23.375 m) above mean sea level. Prior to Feb. 25, 1942, nonrecording gage and Feb. 25, 1942, to June 21, 1955, water-stage recorder, at site 0.3 mi (0.5 km) downstream at same datum, June 21, 1955, to May 18, 1964, water-stage recorder at present site and datum.

AVERAGE DISCHARGE.--32 years, 58.6 ft³/s (1.659 m³/s), 15.60 in/yr (396 mm/yr), 42,460 acre-ft/yr (53.4 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 3,560 ft³/s (101 m³/s) Jan. 28 (gage height, 12.26 ft or 3.737 m); minimum, 14 ft³/s (0.40 m³/s) July 29, 30, Aug. 24, 25 (gage height, 2.95 ft or 0.899 m).

Period of record: Maximum discharge, 23,500 ft³/s (665 m³/s) Apr. 29, 1953 (gage height, 18.03 ft or 5.496 m, 16.90 ft or 5.151 m, site then in use); minimum, 3.7 ft³/s (0.10 m³/s) Sept. 29, 1956 (gage height, 1.08 ft or 0.329 m).

REMARKS.--Records good. See following page for table of daily gage height. Supplementary recording rain gage 3.8 mi (6.1 km) northwest of gaging station since June 26, 1964. Records of chemical analyses, suspended-sediment loads, and water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25	43	38	57	101	67	69	39	51	19	29	25
2	23	31	37	48	104	66	114	40	39	19	49	21
3	22	29	36	1,280	88	64	69	38	33	18	29	18
4	22	41	127	704	79	63	58	36	30	18	22	19
5	24	133	76	143	76	62	53	35	38	19	19	19
6	22	63	51	122	79	62	51	35	36	22	17	17
7	21	48	44	152	141	59	52	33	30	24	18	17
8	20	49	40	333	104	59	51	31	29	25	18	43
9	20	53	39	208	79	58	48	31	29	25	17	56
10	20	45	38	218	73	59	47	30	36	22	17	31
11	37	38	36	135	69	79	47	69	36	19	19	23
12	87	36	36	107	67	128	340	52	29	18	20	21
13	58	33	36	85	67	76	661	36	27	17	20	23
14	178	32	35	80	64	63	128	32	27	18	35	31
15	93	31	35	80	234	61	47	31	27	19	24	25
16	91	30	34	74	242	58	70	31	27	19	20	23
17	58	29	33	70	107	56	58	29	25	25	14	21
18	43	29	33	69	88	53	54	28	27	21	20	20
19	36	29	70	548	91	54	51	27	27	18	20	19
20	34	45	152	1,020	76	53	49	28	25	17	17	18
21	31	58	66	266	123	73	47	38	23	16	16	18
22	30	39	51	117	371	59	54	114	22	17	16	16
23	29	36	51	99	103	57	106	51	22	16	15	16
24	28	34	923	229	83	56	62	38	21	16	15	16
25	27	48	958	379	73	74	51	34	20	17	15	27
26	27	45	194	529	69	104	46	47	20	17	20	36
27	26	61	120	315	69	195	45	48	20	18	24	26
28	26	96	88	1,880	69	93	44	36	19	16	25	21
29	25	54	77	667	-----	106	42	32	19	15	25	18
30	25	42	69	149	-----	79	40	30	20	17	25	17
31	53	-----	63	115	-----	64	-----	36	-----	25	26	-----
TOTAL	1,261	1,381	3,686	10,318	2,989	2,260	2,694	1,215	835	590	569	700
MEAN	40.7	46.0	119	333	107	72.9	89.8	39.2	27.8	19.0	21.6	23.3
MAX	178	133	958	1,880	371	195	661	114	51	25	49	56
MIN	20	29	33	57	64	53	40	27	19	15	15	16
CFSM	.80	.90	2.33	6.53	2.10	1.43	1.75	.77	.55	.37	.42	.46
IN.	.92	1.01	2.69	7.53	2.18	1.65	1.97	.89	.61	.43	.49	.51
AC-FT	2,500	2,740	7,310	20,470	5,930	4,480	5,340	2,410	1,660	1,170	1,330	1,390
(†)	4.63	3.29	5.05	12.48	4.13	3.05	10.34	4.98	1.22	1.76	3.77	2.72
(‡)	4.70	2.89	6.14	13.14	2.26	3.24	4.36	4.41	1.54	.92	3.69	3.59

CAL YR 1973 TOTAL 33,284 MEAN 91.2 MAX 2,200 MIN 16 CFSM 1.79 IN. 24.28 AC-FT 66,020
WTR YR 1974 TOTAL 28,598 MEAN 78.4 MAX 1,880 MIN 15 CFSM 1.54 IN. 20.86 AC-FT 56,720

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-24	2200	10.58	1,750	1-26	1530	7.40	780
1- 3	2100	10.94	2,080	1-28	1115	12.26	3,560
1- 8	1530	7.51	728	4-13	0030	8.73	962
1-20	0145	10.18	1,470				

PEAK DISCHARGE (BASE, 650 CFS) † Precipitation, in inches, during month at rain gage at station. Total for calendar year 1973, 64.10 inches; total for water year 1974, 57.42 inches.
‡ Precipitation, in inches, during month at rain gage upstream. Total for calendar year 1973, 75.69 inches; total for water year 1974, 50.68 inches.

RED RIVER BASIN

119

07373000 Big Creek at Pollock, La.--Continued
(Hydrologic bench-mark station)

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.12	3.33	3.28	3.45	3.75	3.53	3.54	3.29	3.40	3.03	3.18	3.12
2	3.10	3.20	3.27	3.67	3.77	3.52	3.83	3.30	3.29	3.04	3.39	3.07
3	3.09	3.18	3.26	8.96	3.67	3.51	3.54	3.28	3.22	3.03	3.18	3.03
4	3.08	3.31	3.91	7.38	3.61	3.50	3.46	3.25	3.19	3.02	3.09	3.04
5	3.11	3.95	3.59	4.01	3.59	3.49	3.42	3.24	3.28	3.03	3.03	3.02
6	3.09	3.50	3.40	3.88	3.61	3.49	3.40	3.24	3.25	3.09	3.01	3.00
7	3.07	3.38	3.34	4.07	4.00	3.47	3.41	3.22	3.19	3.11	3.02	3.01
8	3.06	3.39	3.30	5.20	3.77	3.47	3.40	3.20	3.18	3.12	3.02	3.33
9	3.06	3.42	3.29	4.42	3.61	3.46	3.38	3.20	3.17	3.12	3.01	3.44
10	3.06	3.35	3.28	4.48	3.57	3.47	3.37	3.19	3.25	3.08	3.00	3.20
11	3.27	3.28	3.26	3.96	3.54	3.61	3.37	3.54	3.25	3.04	3.04	3.10
12	3.66	3.25	3.26	3.79	3.53	3.92	5.08	3.41	3.17	3.02	3.06	3.07
13	3.46	3.22	3.26	3.65	3.53	3.59	7.14	3.25	3.15	3.01	3.05	3.10
14	4.23	3.21	3.24	3.62	3.51	3.50	3.92	3.21	3.15	3.03	3.24	3.20
15	3.70	3.20	3.24	3.62	4.58	3.48	3.66	3.20	3.15	3.04	3.11	3.12
16	3.69	3.19	3.23	3.58	4.63	3.46	3.55	3.20	3.15	3.04	3.05	3.10
17	3.46	3.18	3.22	3.55	3.79	3.44	3.46	3.17	3.14	3.13	3.02	3.07
18	3.33	3.17	3.22	3.54	3.67	3.42	3.43	3.16	3.15	3.07	3.05	3.05
19	3.26	3.17	3.55	6.48	3.69	3.43	3.40	3.15	3.15	3.02	3.06	3.04
20	3.23	3.35	4.07	8.95	3.59	3.42	3.39	3.16	3.12	3.01	3.00	3.03
21	3.20	3.46	3.52	4.78	3.89	3.57	3.37	3.28	3.10	2.99	2.99	3.02
22	3.19	3.29	3.40	3.85	5.44	3.47	3.43	3.83	3.09	3.00	2.98	2.99
23	3.17	3.25	3.40	3.74	3.76	3.45	3.78	3.40	3.08	2.98	2.97	2.98
24	3.16	3.23	7.90	4.55	3.64	3.44	3.49	3.28	3.07	2.99	2.96	2.98
25	3.15	3.38	8.24	5.49	3.57	3.58	3.40	3.23	3.05	3.01	2.97	3.15
26	3.15	3.36	4.33	6.37	3.54	3.77	3.36	3.37	3.05	3.01	3.06	--
27	3.14	3.48	3.87	5.09	3.54	4.34	3.35	3.38	3.05	3.02	3.11	--
28	3.14	3.72	3.67	9.67	3.54	3.70	3.34	3.26	3.04	2.99	3.12	--
29	3.13	3.43	3.60	7.00	-----	3.78	3.32	3.21	3.04	2.97	3.13	--
30	3.13	3.32	3.54	4.05	-----	3.61	3.30	3.19	3.05	3.01	3.13	--
31	3.42	-----	3.50	3.84	-----	3.51	-----	3.25	-----	3.13	3.14	-----
MAX	4.23	3.95	8.24	9.67	5.44	4.34	7.14	3.83	3.40	3.13	3.39	3.44
MIN	3.06	3.17	3.22	3.45	3.51	3.42	3.30	3.15	3.04	2.97	2.96	2.98

07373278 Lake St. John near Waterproof, La.

LOCATION.--Lat 31°42'00", long 91°27'30", in lot 47, T.8 N., R.10 E., Concordia Parish, at private fishing pier, 8.5 mi (13.7 km) southwest of Waterproof.

DRAINAGE AREA.--14.8 mi² (38.3 km²).

PERIOD OF RECORD.--January 1967 to current year (gage height only).

GAGE.--Water-stage recorder. Datum of gage is 50.00 ft (15.240 m) above mean sea level.

EXTREMES.--Current year: Maximum gage height, 7.66 ft (2.335 m) Apr 15, 16; minimum, 3.55 (1.079 m) Aug. 17.

Period of record: Maximum gage height, 8.17 ft (2.490 m) May 13, 1973; minimum, 1.95 ft (0.594 m) Nov. 29, 1967.

REMARKS.--Crest of dam is at a gage height of 10.00 ft (3.040 m). Drawdown structure consists of two 4.0 ft (1.2 m) pipes with stoplog arrangement that can be varied from gage height of -2.10 ft (-0.064 m), invert of pipes, to 3.00 ft (0.914 m). Capacity not determined.

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.92	3.63	4.36	5.24	6.72	5.59	4.62	6.00	4.36	3.92	3.72	3.87
2	3.90	3.61	4.35	5.18	6.66	5.53	4.62	5.87	4.35	3.91	3.73	3.88
3	3.88	3.60	4.33	5.43	6.60	5.49	4.59	5.78	4.33	3.90	3.71	3.96
4	3.85	3.60	4.37	5.89	6.50	5.42	4.57	5.69	4.31	3.88	3.74	3.93
5	3.84	3.73	4.35	5.99	6.40	5.36	4.53	5.65	4.30	3.86	3.71	3.89
6	3.82	3.70	4.33	6.01	6.34	5.31	4.48	5.57	4.27	3.85	3.68	3.87
7	3.79	3.69	4.30	6.06	6.35	5.26	4.44	5.48	4.24	3.85	3.67	3.85
8	3.77	3.79	4.28	6.03	6.26	5.21	4.41	5.39	4.22	3.84	3.65	3.88
9	3.75	3.83	4.25	6.00	6.17	5.17	4.38	5.32	4.20	3.84	3.64	3.87
10	3.74	3.80	4.23	5.96	6.09	5.13	4.34	5.25	4.26	3.83	3.62	3.87
11	3.71	3.78	4.21	6.06	6.01	5.09	4.31	5.20	4.25	3.81	3.62	3.87
12	3.69	3.77	4.19	6.08	5.94	5.11	4.52	5.15	4.23	3.80	3.62	3.86
13	3.67	3.75	4.18	6.00	5.87	5.08	6.70	5.09	4.21	3.79	3.60	3.86
14	3.70	3.74	4.17	5.95	5.80	5.02	7.38	5.01	4.26	3.77	3.60	3.88
15	3.83	3.73	4.17	5.89	5.77	4.98	7.64	4.95	4.24	3.76	3.58	3.86
16	3.83	3.73	4.15	5.84	6.17	4.94	7.66	4.89	4.23	3.80	3.57	3.85
17	3.85	3.70	4.13	5.77	6.21	4.89	7.60	4.84	4.21	3.78	3.55	3.84
18	3.82	3.69	4.12	5.71	6.19	4.84	7.51	4.79	4.19	3.76	3.62	3.83
19	3.79	3.69	4.11	5.69	6.25	4.81	7.40	4.74	4.17	3.75	3.78	3.81
20	3.77	3.68	4.18	5.82	6.23	4.78	7.28	4.70	4.15	3.73	3.77	3.80
21	3.75	3.87	4.16	5.83	6.17	4.78	7.14	4.66	4.14	3.71	3.75	3.79
22	3.73	3.88	4.15	5.79	6.11	4.72	7.00	4.64	4.12	3.70	3.73	3.76
23	3.72	3.89	4.14	5.77	6.04	4.70	6.95	4.60	4.11	3.68	3.72	3.71
24	3.70	3.89	4.15	5.85	5.96	4.68	6.83	4.56	4.10	3.70	3.70	3.68
25	3.68	3.93	4.86	6.05	5.86	4.64	6.68	4.53	4.06	3.69	3.68	3.66
26	3.67	3.92	5.11	6.19	5.79	4.61	6.56	4.55	4.03	3.68	3.66	3.77
27	3.65	4.06	5.20	6.30	5.71	4.69	6.43	4.51	4.00	3.68	3.72	3.76
28	3.64	4.35	5.25	6.65	5.64	4.69	6.32	4.48	3.98	3.66	3.75	3.74
29	3.62	4.36	5.27	6.85	-----	4.69	6.21	4.44	3.96	3.65	3.77	3.73
30	3.59	4.37	5.28	6.85	-----	4.68	6.11	4.41	3.94	3.64	3.79	3.72
31	3.64	-----	5.28	6.80	-----	4.64	-----	4.38	-----	3.72	3.85	-----
MAX	3.92	4.37	5.28	6.85	6.72	5.59	7.66	6.00	4.36	3.92	3.85	3.96
MIN	3.59	3.60	4.11	5.18	5.64	4.61	4.31	4.38	3.94	3.64	3.55	3.66

RED RIVER BASIN

121

07373280 Lake Concordia near Ferriday, La.

LOCATION.--Lat 31°40'25", long 91°30'05", in lot 33, T.8 N., R.9 E., Concordia Parish, at Louisiana Wildlife and Fisheries Commission pier, 3.5 mi (5.6 km) northeast of Ferriday.

DRAINAGE AREA.--8.91 mi² (23.08 km²).

PERIOD OF RECORD.--January 1967 to current year (gage height only).

GAGE.--Water-stage recorder. Datum of gage is 29.00 ft (8.839 m) above mean sea level.

EXTREMES.--Current year: Maximum gage height, 25.30 ft (7.711 m) Apr. 15, 16; minimum, 20.68 ft (6.303 m) Aug. 18.
Period of record: Maximum gage height, 26.33 ft (8.025 m) May 14, 1973; minimum, 19.87 ft (6.056 m) Dec. 9, 1967.

REMARKS.--Elevation of dam and capacity not determined. Drawdown structure consists of one 4.0 ft (1.2 m) pipe with stoplog that can be varied from gage height of 16.30 ft (4.968 m) to 26.30 ft (8.016 m). Invert of pipe is at gage height of 17.00 ft (5.182 m). Area of lake is 865 acres (3.65 km²) at gage height 21.00 ft (6.401 m).

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.37	21.14	21.65	22.35	23.89	23.46	22.50	24.59	22.55	21.51	20.91	21.04
2	21.35	21.14	21.64	22.32	23.87	23.43	22.50	24.53	22.49	21.48	20.90	21.07
3	21.34	21.14	21.62	22.53	23.82	23.39	22.48	24.45	22.44	21.45	20.88	21.13
4	21.33	21.14	21.67	22.86	23.77	23.35	22.44	24.37	22.38	21.43	20.91	21.11
5	21.31	21.27	21.65	22.91	23.72	23.31	22.38	24.30	22.34	21.40	20.88	21.09
6	21.30	21.26	21.62	22.92	23.69	23.27	22.35	24.20	22.30	21.37	20.85	21.07
7	21.29	21.25	21.60	22.96	23.71	23.22	22.30	24.18	22.24	21.35	20.84	21.06
8	21.27	21.35	21.57	22.94	23.67	23.19	22.25	24.05	22.18	21.33	20.82	21.03
9	21.26	21.34	21.55	22.93	23.63	23.15	22.20	23.97	22.13	21.33	20.81	21.15
10	21.24	21.30	21.54	22.91	23.58	23.11	22.17	23.90	22.17	21.30	20.80	21.15
11	21.23	21.30	21.51	22.99	23.54	23.08	22.12	23.87	22.17	21.28	20.78	21.15
12	21.21	21.29	21.50	22.97	23.50	23.10	22.40	23.81	22.12	21.25	20.77	21.15
13	21.21	21.28	21.50	22.94	23.46	23.04	24.90	23.73	22.08	21.23	20.75	21.15
14	21.21	21.28	21.48	22.92	23.42	22.99	25.22	23.66	22.12	21.22	20.77	21.16
15	21.28	21.27	21.47	22.88	23.39	22.95	25.29	23.60	22.08	21.21	20.76	21.15
16	21.29	21.25	21.46	22.85	23.68	22.90	25.30	23.52	22.08	21.20	20.74	21.15
17	21.26	21.25	21.44	22.82	23.70	22.86	25.28	23.44	22.04	21.18	20.72	21.14
18	21.26	21.25	21.43	22.79	23.70	22.82	25.26	23.38	22.00	21.15	20.71	21.13
19	21.24	21.24	21.44	22.79	23.84	22.79	25.24	23.30	21.96	21.13	20.85	21.13
20	21.22	21.24	21.51	22.90	23.84	22.74	25.21	23.23	21.93	21.11	20.82	21.12
21	21.20	21.41	21.50	22.89	23.85	22.72	25.18	23.16	21.87	21.09	20.80	21.12
22	21.19	21.39	21.50	22.86	23.80	22.67	25.16	23.13	21.85	21.06	20.78	21.10
23	21.18	21.39	21.49	22.93	23.76	22.64	25.15	23.06	21.81	21.04	20.78	21.07
24	21.17	21.40	21.53	23.04	23.71	22.58	25.11	23.00	21.76	21.04	20.77	21.05
25	21.16	21.44	22.20	23.26	23.65	22.57	25.07	22.93	21.70	21.00	20.76	21.04
26	21.15	21.46	22.36	23.52	23.60	22.54	24.97	22.90	21.66	20.98	20.75	21.14
27	21.15	21.52	22.40	23.63	23.56	22.63	24.88	22.84	21.62	20.98	20.90	21.14
28	21.13	21.70	22.41	23.84	23.50	22.63	24.82	22.77	21.59	20.95	20.93	21.13
29	21.11	21.68	22.43	23.90	-----	22.60	24.73	22.72	21.56	20.93	20.97	21.13
30	21.10	21.66	22.40	23.92	-----	22.56	24.65	22.65	21.54	20.91	21.00	21.12
31	21.16	-----	22.39	23.91	-----	22.52	-----	22.60	-----	20.93	21.03	-----
MAX	21.37	21.70	22.43	23.92	23.89	23.46	25.30	24.59	22.55	21.51	21.03	21.16
MIN	21.10	21.14	21.43	22.32	23.39	22.52	22.12	22.60	21.54	20.91	20.71	21.03

07375000 Tchefuncta River near Folsom, La.

LOCATION.--Lat 30°36'55", long 90°14'55", on line between SE $\frac{1}{4}$ NE $\frac{1}{4}$ and SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec.13, T.5 S., R.9 E., St. Helena meridian, Tangipahoa Parish, near center of span on downstream side of bridge on State Highway 40, 1.2 mi (1.9 km) upstream from Bull Branch, and 3.6 mi (5.8 km) southwest of Folsom.

DRAINAGE AREA.--95.5 mi² (247.3 km²), not including Bull Branch which has a drainage area of 7.5 mi² (19.4 km²) at Highway 40. Total drainage area for extreme floods is 103 mi² (267 km²).

PERIOD OF RECORD.--October 1943 to current year. Prior to January 1944 monthly discharge only, published in WSP 1311. Prior to October 1954, published as Tchefuncta River near Folsom.

GAGE.--Water-stage recorder. Datum of gage is 62.11 ft (18.931 m) above mean sea level (Louisiana Geodetic Survey bench mark). Prior to June 9, 1944, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--31 years, 160 ft³/s (4.531 m³/s), 22.75 in/yr (577 mm/yr).

EXTREMES.--Current year: Maximum discharge, 10,500 ft³/s (297 m³/s) Dec. 26, gage height, 20.83 ft (6.349 m); minimum, 50 ft³/s (1.42 m³/s) Oct. 30, 31, gage height, 5.36 ft (1.634 m).

Period of record: Maximum discharge, 29,200 ft³/s (827 m³/s) May 3, 1953 gage height, 22.26 ft (6.785 m), from rating curve extended above 12,00 ft³/s (340 m³/s) by contracted-opening measurement at gage height 22.10 ft (6.736 m); minimum discharge, 26 ft³/s (0.74 m³/s) Sept. 14, 15, 1968; minimum gage height, 4.80 ft (1.463 m) Oct. 5, 6, 1970.

REMARKS.--Records good. See following page for table of daily gage height. Records of water temperatures for the water year 1974 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1057: 1944(M), 1945. WSP 1281: 1953(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	244	54	142	219	244	99	174	80	116	55	79	59
2	244	54	114	226	281	97	493	79	101	54	68	58
3	244	54	99	185	942	95	1,020	85	92	53	59	90
4	247	54	93	323	962	93	806	97	83	52	58	76
5	150	449	176	674	527	91	331	238	78	100	92	62
6	100	2,130	177	488	270	90	192	462	74	300	80	57
7	63	777	116	300	476	88	148	210	74	210	66	72
8	74	292	94	359	1,020	86	139	121	71	170	142	153
9	77	155	84	336	670	84	142	100	69	130	89	178
10	118	126	79	220	322	83	121	91	69	100	70	132
11	178	108	75	141	218	83	107	129	78	76	63	87
12	113	92	73	232	181	83	102	302	68	69	61	72
13	85	62	71	274	162	84	636	317	62	65	60	66
14	76	75	71	190	150	82	1,420	136	84	65	59	63
15	70	73	71	156	143	79	988	105	176	60	59	61
16	68	70	70	143	286	78	747	93	331	59	58	59
17	73	72	68	133	643	79	517	86	260	57	58	58
18	75	64	66	127	325	76	260	81	200	60	72	57
19	65	66	70	131	194	75	176	78	150	58	72	56
20	61	65	215	378	218	75	146	79	110	55	66	55
21	58	87	455	858	186	110	127	123	88	54	59	54
22	56	199	252	693	156	236	117	1,220	74	55	57	54
23	54	197	137	410	161	130	124	4,560	65	53	56	52
24	54	118	116	1,200	135	95	133	1,250	72	60	55	52
25	53	105	3,870	1,090	120	91	108	546	66	80	55	55
26	53	172	6,830	734	110	198	96	247	62	63	58	63
27	53	348	1,400	673	103	3,440	91	293	60	78	71	78
28	52	222	850	568	100	3,290	88	233	58	64	90	63
29	52	285	442	526	-----	1,070	85	150	57	59	74	58
30	51	255	271	679	-----	510	82	120	55	57	65	56
31	52	-----	224	406	-----	246	-----	109	-----	62	61	-----
TOTAL	4,023	5,917	17,371	13,122	9,305	11,116	9,831	11,820	3,005	2,533	2,132	2,156
MEAN	130	231	560	423	332	359	328	381	100	81.7	68.8	71.9
MAX	488	2,130	6,830	1,200	1,020	3,440	1,420	4,560	331	300	142	178
MIN	51	54	66	127	100	75	82	78	56	52	55	52
CFSM	1,300	2,442	5,886	4,433	3,448	3,766	3,433	3,999	1,055	886	725	755
IN	1.57	2.69	5.77	5.11	3.62	4.33	3.83	4.60	1.17	.99	.83	.84

CAL YR 1973 TOTAL 97,422 MEAN 257 MAX 10,300 MIN 46 CFSM 2,80 IN 37.95
 WTR YR 1974 TOTAL 93,331 MEAN 256 MAX 6,830 MIN 51 CFSM 2,68 IN 36.36

PEAK DISCHARGE (BASE, 1,300 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
11-6	0230	17.54	3,200	3-27	2045	19.18	5,800
12-26	0130	20.83	10,500	4-14	1115	15.14	1,500
1-24	2115	15.05	1,460	5-23	0745	19.66	6,850

MISSISSIPPI RIVER DELTA

123

07375000 Tchefuncta River near Folsom, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.67	5.52	6.79	7.84	8.13	6.16	7.24	5.89	6.58	--	5.99	5.53
2	13.23	5.52	6.38	7.91	8.47	6.13	10.20	5.87	6.37	--	5.80	5.51
3	9.51	5.44	6.16	7.41	12.94	6.10	13.35	5.95	6.23	--	5.65	6.02
4	8.60	5.44	6.08	8.91	13.16	6.07	12.31	6.14	6.10	--	5.63	5.82
5	6.89	8.91	7.27	11.61	10.58	6.05	8.97	7.92	6.01	--	6.16	5.59
6	6.17	16.07	7.28	10.31	8.41	6.02	7.48	10.14	5.96	--	5.98	5.50
7	5.92	12.15	6.41	8.73	10.11	5.99	6.87	7.66	5.95	--	5.73	5.74
8	5.78	8.57	6.09	9.29	13.43	5.96	6.74	6.48	5.91	--	6.83	6.95
9	5.83	6.99	5.94	9.07	11.55	5.93	6.79	6.18	5.87	--	6.02	7.30
10	6.44	6.55	5.86	7.84	8.92	5.92	6.48	6.04	5.87	--	5.72	6.65
11	7.29	6.30	5.80	7.36	7.82	5.92	6.28	6.60	6.02	--	5.60	5.98
12	6.37	6.06	5.76	7.97	7.36	5.92	6.21	8.72	5.85	5.87	5.56	5.74
13	5.98	5.91	5.74	8.46	7.08	5.94	11.10	8.83	5.75	5.80	5.55	5.66
14	5.81	5.82	5.74	7.47	6.90	5.90	14.86	6.70	6.10	5.80	5.53	5.60
15	5.72	5.76	5.73	6.99	6.80	5.85	13.29	6.26	7.41	5.72	5.54	5.57
16	5.69	5.72	5.72	6.80	8.45	5.84	12.31	6.08	9.01	5.70	5.51	5.54
17	5.77	5.75	5.68	6.66	11.43	5.86	10.54	5.97	--	5.67	5.52	5.52
18	5.80	5.70	5.65	6.57	8.91	5.81	8.28	5.90	--	5.72	5.75	5.50
19	5.64	5.65	5.71	6.63	7.53	5.80	7.28	5.84	--	5.67	5.75	5.48
20	5.56	5.64	7.71	9.33	7.83	5.80	6.84	5.87	--	5.63	5.66	5.46
21	5.51	5.98	10.09	12.68	7.41	6.33	6.58	6.49	--	5.62	5.53	5.44
22	5.48	7.57	8.14	11.71	7.00	8.02	6.42	12.65	--	5.63	5.50	5.43
23	5.45	7.54	6.72	6.96	7.07	6.62	6.53	18.33	--	5.60	5.47	5.40
24	5.44	6.44	6.41	14.07	6.69	6.09	6.66	14.15	--	5.68	5.46	5.39
25	5.42	6.27	15.01	13.68	6.47	6.04	6.30	10.70	--	6.01	5.46	5.46
26	5.41	7.18	19.47	11.98	6.32	7.47	6.12	8.28	--	5.74	5.51	5.60
27	5.41	9.18	15.73	11.64	6.22	16.69	6.05	8.70	--	5.98	5.73	5.85
28	5.40	7.86	12.57	10.94	6.18	17.34	6.00	8.10	--	5.75	6.03	5.59
29	5.39	8.57	9.96	10.63	-----	13.53	5.95	7.07	--	5.67	5.77	5.52
30	5.38	8.21	8.42	11.66	-----	10.45	5.91	6.64	--	5.63	5.63	5.48
31	5.39	-----	7.90	9.66	-----	8.12	-----	6.48	-----	5.72	5.57	-----
MAX	13.23	16.07	19.47	14.07	13.43	17.34	14.86	18.33	--	--	6.83	7.30
MIN	5.38	5.44	5.65	6.57	6.18	5.80	5.91	5.84	--	--	5.46	5.39

07375500 Tangipahoa River at Robert, La.

LOCATION.--Lat 30°30'23", long 90°21'42", in lot 39, T.6 S., R.8 E., St. Helena meridian, Tangipahoa Parish, on right bank just downstream from bridge on U.S. Highway 190, 1.2 mi (1.9 km) west of Robert, 2.8 mi (4.5 km) downstream from Chappepeela Creek, and 6.0 mi (9.7 km) east of Hammond.

DRAINAGE AREA.--646 mi² (1,673 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 6.87 (2.094 m) above mean sea level. Prior to Nov. 25, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--36 years, 1,100 ft³/s (31.15 m³/s), 23.12 in/yr (587 mm/yr).

EXTREMES.--Current year: Maximum discharge, 39,500 ft³/s (1,119 m³/s) May 23, gage height, 21.76 ft (6.63 m); minimum, 437 ft³/s (12.38 m³/s) Sept. 25; minimum gage height, 5.54 ft (1.689 m) Oct. 30, 31.

Period of record: Maximum discharge, 50,500 ft³/s (1,430 m³/s) May 3, 1953, gage height, 23.13 ft (7.050 m); minimum discharge, 245 ft³/s (6.94 m³/s) Oct. 30 to Nov. 3, 1968; minimum gage height, 2.95 ft (0.899 m) Oct. 25, 1939.

Maximum stage known, 27.1 ft (8.26 m) in 1921, from floodmark.

REMARKS.--Records good. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,680	487	1,140	2,440	2,380	957	1,460	745	906	521	960	807
2	1,720	494	976	2,840	2,520	938	3,710	735	846	516	723	660
3	1,340	479	889	2,070	5,210	918	4,720	753	834	514	702	708
4	1,450	475	910	2,680	6,320	874	3,040	753	831	524	678	798
5	938	2,460	1,240	3,540	3,760	792	1,690	1,100	747	550	819	663
6	721	6,760	1,140	2,670	2,190	757	1,330	1,370	702	646	612	584
7	615	3,630	924	2,220	3,220	734	1,150	1,040	666	708	555	596
8	580	1,490	826	2,460	5,160	716	1,070	811	640	696	587	852
9	554	1,050	773	2,020	5,870	699	999	740	615	678	660	1,100
10	598	1,100	738	1,630	4,470	686	933	705	604	632	590	1,190
11	752	1,240	710	1,440	2,360	679	878	1,070	590	584	532	819
12	620	899	689	2,110	1,750	676	842	1,180	573	542	508	652
13	566	773	674	3,320	1,510	697	3,270	996	558	521	496	584
14	641	704	659	2,520	1,370	696	5,570	800	646	527	508	563
15	931	665	644	1,800	1,320	657	7,220	715	669	511	672	582
16	613	635	674	1,460	2,050	651	8,920	677	621	503	604	550
17	608	610	641	1,280	3,020	636	5,930	653	590	506	547	545
18	600	588	595	1,190	2,410	623	2,830	637	563	527	629	519
19	560	558	615	1,570	1,720	615	1,770	631	568	527	649	496
20	521	548	1,290	4,010	1,750	611	1,420	697	579	496	542	479
21	508	728	2,190	6,920	1,520	859	1,230	1,470	571	493	501	467
22	501	1,410	1,460	6,920	1,390	1,060	1,110	8,850	550	501	481	455
23	496	1,190	1,000	4,960	1,440	857	1,070	27,900	545	501	474	443
24	491	840	847	5,730	1,270	709	1,060	25,300	568	519	457	441
25	487	899	6,680	6,510	1,150	730	995	7,430	601	579	452	462
26	484	1,950	16,000	5,650	1,070	1,200	918	2,740	568	560	479	1,010
27	479	2,000	11,900	5,060	1,020	8,470	863	2,050	547	576	540	555
28	475	1,590	8,700	4,340	984	12,600	821	1,650	537	534	621	498
29	472	2,040	4,790	4,060	-----	6,360	796	1,310	532	508	635	467
30	470	1,650	2,660	4,400	-----	3,020	767	1,100	527	501	867	450
31	475	-----	1,970	3,420	-----	1,870	-----	978	-----	897	798	-----
TOTAL	21,946	39,942	74,944	103,240	70,204	52,347	68,382	97,586	18,894	17,398	18,878	18,995
MEAN	708	1,331	2,418	3,330	2,507	1,689	2,279	3,148	630	561	609	633
MAX	1,720	6,760	16,000	6,920	6,320	12,600	8,920	27,900	906	897	960	1,190
MIN	470	475	595	1,190	984	611	767	631	527	493	452	441
CFSM	1.10	2.06	3.74	5.15	3.88	2.61	3.53	4.87	.98	.87	.94	.98
IN.	1.26	2.30	4.32	5.95	4.04	3.01	3.94	5.62	1.09	1.00	1.09	1.09

CAL YR 1973 TOTAL 678,600 MEAN 1,859 MAX 34,200 MIN 447 CFSM 2.88 IN 39.08
WTR YR 1974 TOTAL 602,756 MEAN 1,651 MAX 27,900 MIN 441 CFSM 2.56 IN 34.71

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
11- 6	1400	15.63	7,690	2- 9	0730	14.75	5,980
12-26	0630	18.43	17,400	3-28	0045	17.91	15,100
1-25	0430	15.21	6,780	4-16	0600	16.28	9,540
2- 4	0815	15.12	6,610	5-23	2145	21.76	39,500

MISSISSIPPI RIVER DELTA

125

07375500 Tangipahoa River at Robert, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.22	5.66	7.75	10.92	10.81	7.31	8.68	6.70	7.82	6.29	7.79	7.29
2	9.32	5.70	7.24	11.70	10.95	7.25	12.45	6.67	7.65	6.27	7.01	6.80
3	8.38	5.61	6.96	10.16	14.18	7.19	13.82	6.72	7.62	6.26	6.94	6.96
4	8.65	5.59	7.03	11.39	14.95	7.07	11.88	6.72	7.61	6.30	6.86	7.26
5	7.25	10.28	8.05	12.68	12.79	6.83	9.25	7.71	7.37	6.39	7.33	6.81
6	6.63	15.16	7.76	11.36	10.41	6.72	8.36	8.47	7.24	6.73	6.63	6.53
7	6.28	12.50	7.07	10.48	12.05	6.66	7.85	7.54	7.13	6.96	6.42	6.56
8	6.14	8.73	6.77	10.99	14.16	6.61	7.62	6.89	7.05	6.92	6.53	7.44
9	6.02	7.57	6.60	10.04	14.68	6.56	7.42	6.68	6.97	6.86	6.80	8.19
10	6.21	7.70	6.49	9.10	13.54	6.52	7.24	6.58	6.94	6.69	6.55	8.43
11	6.72	8.09	6.40	8.63	10.76	6.49	7.08	7.64	6.89	6.53	6.33	7.33
12	6.30	7.14	6.33	10.15	9.39	6.48	6.98	7.96	6.83	6.37	6.24	6.76
13	6.08	6.78	6.28	12.42	8.80	6.55	11.79	7.42	6.77	6.29	6.19	6.53
14	6.35	6.58	6.23	11.09	8.45	6.55	14.44	6.86	7.07	6.31	6.24	6.45
15	7.23	6.45	6.18	9.51	8.32	6.42	15.36	6.61	7.13	6.25	6.71	6.52
16	6.27	6.35	6.27	8.67	10.09	6.40	16.07	6.49	6.94	6.22	6.60	6.40
17	6.25	6.26	6.17	8.23	11.99	6.35	14.63	6.41	6.81	6.23	6.39	6.38
18	6.22	6.17	6.00	7.97	10.84	6.30	11.55	6.35	6.69	6.31	6.68	6.28
19	6.04	6.04	6.05	8.95	9.32	6.27	9.46	6.33	6.69	6.31	6.76	6.19
20	5.85	5.99	8.14	12.93	9.40	6.26	8.58	6.55	6.71	6.19	6.37	6.12
21	5.78	6.63	10.43	15.27	8.82	7.01	8.08	8.40	6.66	6.18	6.21	6.07
22	5.74	8.54	8.67	15.26	8.50	7.61	7.76	15.65	6.56	6.21	6.13	6.02
23	5.71	7.97	7.43	14.00	8.63	7.02	7.63	20.09	6.52	6.21	6.10	5.97
24	5.68	6.97	6.99	14.57	8.19	6.59	7.61	19.64	6.59	6.28	6.03	5.96
25	5.66	7.14	13.93	15.07	7.86	6.65	7.41	15.18	6.69	6.50	6.01	6.04
26	5.64	9.86	18.12	14.53	7.63	7.91	7.19	11.56	6.55	6.43	6.12	7.88
27	5.61	9.99	17.04	14.10	7.48	15.48	7.04	10.43	6.44	6.50	6.36	6.42
28	5.59	9.00	15.97	13.49	7.38	17.22	6.92	9.59	6.39	6.34	6.66	6.20
29	5.57	10.08	13.82	13.22	-----	14.84	6.85	8.80	6.35	6.24	6.71	6.07
30	5.56	9.12	11.32	13.54	-----	11.86	6.76	8.32	6.31	6.21	7.49	6.00
31	5.59	-----	9.93	12.50	-----	9.69	-----	8.02	-----	7.58	7.26	-----
MAX	9.32	15.16	18.12	15.27	14.95	17.22	16.07	20.09	7.82	7.58	7.79	8.43
MIN	5.56	5.59	6.00	7.97	7.38	6.26	6.76	6.33	6.31	6.18	6.01	5.96

07376000 Tickfaw River at Holden, La.

LOCATION.--Lat 30°30'13", long 91°40'38", in sec.26, T.7 S., R.5 E., St. Helena meridian, Livingston Parish, near left bank on downstream side of bridge on U.S. Highway 190, 0.5 mi (0.8 km) west of Holden, and 5.1 mi (8.2 km) upstream from Big Branch.

DRAINAGE AREA.--247 mi² (640 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 19.15 ft (5.837 m) above mean sea level. Prior to Sept. 13, 1944, nonrecording gage, Sept. 14, 1944, to June 14, 1949, water-stage recorder, June 15, 1949, to Dec. 9, 1949, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--34 years, 357 ft³/s (10.11 m³/s), 19.63 in/yr (498 mm/yr).

EXTREMES.--Current year: Maximum discharge, 19,000 ft³/s (538 m³/s) May 23, gage height, 20.37 ft (6.201 m); minimum, 108 ft³/s (3.06 m³/s) Sept. 24, 25, 30, minimum gage height, 1.61 ft (0.490 m) Oct. 30, 31.

Period of record: Maximum discharge, 19,000 ft³/s (538 m³/s) May 23, 1974, gage height, 20.37 ft (6.201 m); minimum discharge, 65 ft³/s (1.84 m³/s) Oct. 1, 2, 3, 4, 1969; minimum gage height, 1.32 ft (0.402 m) Sept. 4, 1968.

REMARKS.--Records good. See following page for table of daily gage height. Records of water temperatures for the water year 1974 are published in Part 2 of this report.

REVISIONS.--WSP 1711: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	218	117	546	875	1,160	260	499	190	307	130	158	262
2	320	122	362	1,030	1,090	249	1,160	187	289	129	147	215
3	235	121	285	768	1,520	240	1,250	194	266	127	164	180
4	212	121	266	813	1,800	233	975	188	259	125	218	162
5	203	399	342	1,090	2,120	225	507	442	266	166	169	188
6	172	1,160	347	1,100	1,790	218	380	444	236	213	188	154
7	157	1,920	297	968	1,510	210	321	289	220	206	183	143
8	148	1,840	248	1,020	1,660	204	294	220	207	175	164	240
9	145	484	215	950	1,860	198	268	193	197	153	152	533
10	144	330	194	586	1,680	194	248	184	194	161	170	436
11	156	276	182	473	1,330	191	231	187	191	149	162	302
12	162	284	173	484	735	188	237	207	178	139	140	219
13	142	248	166	968	533	187	988	201	171	137	144	179
14	137	210	159	1,210	452	183	816	184	179	136	194	156
15	136	187	156	970	448	179	1,070	179	214	134	144	149
16	138	172	150	553	677	176	1,400	177	227	134	129	137
17	139	161	152	425	989	176	1,740	176	191	134	124	137
18	136	152	150	396	1,040	172	1,570	176	169	137	124	131
19	133	145	157	405	832	169	681	176	160	134	128	125
20	127	143	305	1,200	667	166	419	176	157	134	123	122
21	125	176	595	2,140	577	201	343	223	158	173	127	119
22	123	285	652	3,240	513	286	300	1,760	151	177	119	115
23	122	273	465	3,580	489	271	284	12,300	150	142	115	112
24	120	228	338	3,230	417	207	274	10,500	158	138	112	109
25	118	215	1,550	2,850	361	204	248	4,520	152	136	111	133
26	117	830	2,210	2,650	319	481	231	3,060	157	136	114	169
27	116	1,130	3,500	2,120	291	1,820	218	1,680	149	136	130	129
28	115	718	4,410	1,850	273	2,450	207	664	139	136	161	120
29	113	569	3,740	1,690	-----	2,730	201	469	135	134	180	114
30	112	608	2,730	1,570	-----	2,130	196	385	133	132	190	111
31	115	-----	1,630	1,390	-----	836	-----	338	-----	132	239	-----
TOTAL	4,656	13,624	26,672	42,594	27,133	15,634	17,566	40,269	5,760	4,525	4,723	5,401
MEAN	150	454	860	1,374	969	504	586	1,299	192	146	152	180
MAX	320	1,920	4,410	3,580	2,120	2,730	1,740	12,300	307	213	239	533
MIN	112	117	150	396	273	166	196	176	133	125	111	109
CFSM	.62	1.88	3.55	5.68	4.00	2.08	2.42	5.37	.79	.60	.63	.74
IN.	.72	2.09	4.10	6.55	4.17	2.40	2.70	6.19	.89	.70	.73	.83
CAL YR 1973	TOTAL	219,406	MEAN	601	MAX	9,130	MIN	105	CFSM	2.48	IN	33.73
WTR YR 1974	TOTAL	208,557	MEAN	571	MAX	12,300	MIN	109	CFSM	2.36	IN	32.06

PEAK DISCHARGE (BASE, 2,000 CFS)

DATE	TIME	G.H.T.	DISCHARGE	DATE	TIME	G.H.T.	DISCHARGE
11- 8	0415	10.82	2,280	2- 5	1500	10.57	2,180
12-28	1315	14.90	4,490	3-29	1030	11.99	2,750
1-23	0100	13.80	3,700	5-23	1700	20.37	19,000

MISSISSIPPI RIVER DELTA

127

07376000 Tickfaw River at Holden, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.59	1.67	4.70	6.17	7.33	2.87	4.21	2.40	3.16	1.95	2.07	2.88
2	3.27	1.71	3.55	6.78	6.96	2.80	7.23	2.38	3.05	1.93	1.97	2.53
3	2.67	1.70	3.04	5.75	8.60	2.74	7.67	2.43	2.90	1.91	2.08	2.25
4	2.49	1.70	2.91	5.93	9.48	2.69	6.50	2.39	2.86	1.90	2.55	2.10
5	2.42	3.74	3.42	7.05	10.40	2.62	4.26	3.85	2.91	2.18	2.14	2.32
6	2.17	7.29	3.45	7.07	9.44	2.59	3.59	3.93	2.71	2.52	2.31	2.03
7	2.04	9.82	3.12	6.55	8.58	2.53	3.25	3.05	2.61	2.46	2.26	1.94
8	1.96	9.49	2.79	6.77	9.08	2.49	3.07	2.61	2.52	2.20	2.11	2.68
9	1.94	4.33	2.57	6.47	9.67	2.45	2.92	2.42	2.45	2.02	2.01	4.39
10	1.92	3.34	2.43	4.92	9.10	2.43	2.78	2.36	2.43	2.09	2.15	3.90
11	2.02	2.98	2.34	4.27	7.95	2.41	2.68	2.38	2.41	1.98	2.10	3.12
12	2.07	3.03	2.28	4.34	5.40	2.38	2.71	2.52	2.31	1.91	1.92	2.56
13	1.90	2.78	2.22	6.54	4.39	2.37	6.62	2.48	2.27	1.89	1.95	2.23
14	1.86	2.54	2.18	7.51	3.98	2.34	5.79	2.36	2.32	1.88	2.35	2.04
15	1.85	2.38	2.15	6.56	3.95	2.31	6.95	2.32	2.56	1.87	1.95	1.99
16	1.87	2.27	2.10	4.74	5.11	2.30	8.19	2.31	2.65	1.87	1.82	1.89
17	1.88	2.19	2.12	3.97	6.60	2.30	9.31	2.30	2.41	1.87	1.78	1.89
18	1.85	2.12	2.11	3.78	6.81	2.27	8.76	2.30	2.25	1.89	1.78	1.84
19	1.83	2.07	2.15	3.84	5.87	2.24	5.11	2.30	2.19	1.87	1.81	1.79
20	1.77	2.05	3.15	7.33	5.06	2.23	3.80	2.30	2.16	1.87	1.77	1.76
21	1.75	2.30	4.97	10.49	4.61	2.48	3.39	2.62	2.17	2.17	1.80	1.73
22	1.73	3.04	5.26	12.94	4.29	3.02	3.12	8.92	2.11	2.23	1.73	1.70
23	1.71	2.96	4.21	13.60	4.17	2.93	3.02	18.83	2.11	1.93	1.70	1.67
24	1.69	2.66	3.38	12.94	3.79	2.52	2.96	18.32	2.16	1.90	1.67	1.65
25	1.68	2.56	8.56	12.19	3.49	2.50	2.79	14.79	2.12	1.88	1.66	1.84
26	1.67	5.97	10.64	11.73	3.24	4.05	2.68	12.57	2.16	1.88	1.69	2.13
27	1.66	7.21	13.39	10.39	3.06	9.48	2.59	8.95	2.10	1.88	1.83	1.82
28	1.65	5.54	14.80	9.64	2.95	11.23	2.52	5.04	2.02	1.88	2.08	1.74
29	1.63	4.83	13.84	9.16	-----	11.88	2.48	4.07	1.99	1.87	2.25	1.69
30	1.62	5.04	11.90	8.75	-----	10.37	2.44	3.63	1.96	1.85	2.33	1.66
31	1.65	-----	8.83	8.17	-----	5.85	-----	3.36	-----	1.85	2.70	-----
MAX	3.27	9.82	14.80	13.60	10.40	11.88	9.31	18.83	3.16	2.52	2.70	4.39
MIN	1.62	1.67	2.10	3.78	2.95	2.23	2.44	2.30	1.96	1.85	1.66	1.65

07376500 Natalbany River at Baptist, La.

LOCATION.--Lat 30°30'15", long 90°32'45", in NE¼NW¼ sec.30, T.6 S., R.7 E., St. Helena meridian, Tangipahoa Parish, near right bank on downstream side of bridge on U.S. Highway 190, 0.7 mi (1.1 km) downstream from Still Branch, and 0.7 mi (1.1 km) west of Baptist.

DRAINAGE AREA.--79.5 mi² (205.9 km²).

PERIOD OF RECORD.--August 1943 to current year.

GAGE.--Water-stage recorder. Datum of gage is 11.28 ft (3.438 m) above mean sea level. Prior to June 4, 1948, nonrecording gage, and June 4, 1948, to Apr. 13, 1950, water-stage recorder at old highway bridge 100 ft (30 m) upstream at same datum.

AVERAGE DISCHARGE.--31 years, 112 ft³/s (3.172 m³/s), 19.13 in/yr (486 mm/yr).

EXTREMES.--Current year: Maximum discharge, 7,080 ft³/s (201 m³/s) May 23, gage height, 17.84 ft (5.438 m); minimum, 8.5 ft³/s (0.24 m³/s) Sept. 30; minimum gage height, 3.11 ft (0.954 m) Dec. 19.

Period of record: Maximum discharge, 9,550 ft³/s (270 m³/s) May 3, 1953, gage height, 19.73 ft (6.014 m); minimum discharge, 1.8 ft³/s (0.051 m³/s) Nov. 2-5, 1963; minimum gage height, 2.88 ft (0.878 m) Sept. 2, 1973.

REMARKS.--Records good. See following page for table of daily gage height. Records of water temperatures for water year 1974 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1057: 1943.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27	14	57	184	95	38	98	27	65	16	60	14
2	24	12	47	86	850	37	1,420	28	55	15	37	13
3	23	12	41	228	1,370	35	625	30	38	15	19	12
4	40	15	193	443	513	33	249	27	52	15	38	11
5	32	945	181	237	205	32	129	152	45	16	27	11
6	23	907	81	134	122	31	83	93	31	54	126	11
7	20	454	54	335	1,260	30	67	47	28	33	77	45
8	19	120	42	298	764	29	63	33	26	19	19	307
9	20	68	36	158	291	29	53	28	25	17	13	272
10	68	49	32	99	146	28	47	26	27	15	12	48
11	91	39	29	83	98	28	44	59	26	14	11	21
12	47	32	27	138	76	29	67	47	22	14	15	15
13	33	26	26	120	65	28	1,770	32	22	14	158	12
14	34	22	24	74	57	26	601	28	48	17	111	11
15	23	20	24	57	129	26	802	26	84	15	19	14
16	22	18	22	49	457	26	397	25	34	14	15	14
17	23	16	20	44	251	25	164	25	24	14	13	12
18	17	15	20	147	129	25	87	24	21	14	12	11
19	16	15	64	395	123	25	63	23	20	14	14	11
20	15	15	457	1,620	132	25	52	23	24	14	14	10
21	15	158	253	993	90	156	45	370	19	17	12	10
22	14	102	101	359	134	77	41	4,000	19	35	25	9.7
23	14	57	63	551	109	45	49	6,000	19	16	18	9.5
24	13	38	59	1,110	73	34	42	3,630	21	14	11	9.2
25	13	335	2,780	635	57	65	37	405	18	14	12	97
26	13	1,000	2,290	515	49	687	34	355	17	14	46	123
27	13	261	1,080	446	44	3,380	32	242	17	13	58	16
28	12	277	322	446	41	2,240	30	133	17	16	157	10
29	12	135	160	504	-----	835	29	86	16	15	86	9.2
30	12	77	105	250	-----	243	28	65	16	20	37	8.7
31	13	-----	169	136	-----	136	-----	52	-----	34	18	-----
TOTAL	761	5,254	8,859	10,874	7,730	8,483	7,248	16,141	896	567	1,290	1,177.3
MEAN	24.5	175	286	351	276	274	242	521	29.9	18.3	41.6	39.2
MAX	91	1,000	2,780	1,620	1,370	3,380	1,770	6,000	84	54	158	307
MIN	12	12	20	44	41	25	28	23	16	13	11	8.7
CFSM	.31	2.20	3.60	4.42	3.47	3.45	3.04	6.55	.38	.23	.52	.49
IN.	.36	2.46	4.15	5.09	3.62	3.97	3.39	7.55	.42	.27	.60	.55
CAL YR 1973	TOTAL	74,743.8	MEAN	205	MAX	4,190	MIN	7.8	CFSM	2.58	IN	34.97
WTR YR 1974	TOTAL	69,280.3	MEAN	190	MAX	6,000	MIN	8.7	CFSM	2.39	IN	32.42

PEAK DISCHARGE (BASE, 1,500 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12-25	1130	14.69	3,270	3-27	1500	15.45	4,020
1-20	1345	12.35	1,780	4-2	1100	12.55	1,880
1-24	0130	12.10	1,680	4-13	0730	13.45	2,370
2-2	2230	12.34	1,780	5-23	1730	17.84	7,080
2-7	1815	12.00	1,640				

MISSISSIPPI RIVER DELTA

129

07376500 Natalbany River at Baptist, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.58	3.28	3.84	5.10	4.38	3.64	4.41	3.43	4.14	3.42	4.08	3.37
2	3.53	3.24	3.67	4.29	8.26	3.61	10.93	3.44	4.07	3.41	3.82	3.33
3	3.51	3.23	3.56	5.30	11.00	3.58	7.84	3.48	3.85	3.41	3.52	3.32
4	3.76	3.28	5.05	6.88	7.24	3.54	5.58	3.42	4.00	3.41	3.79	3.29
5	3.66	9.29	5.09	5.51	5.27	3.52	4.68	4.75	3.94	3.43	3.67	3.27
6	3.51	9.21	4.18	4.72	4.62	3.50	4.25	4.33	3.74	3.99	4.38	3.27
7	3.45	6.82	3.78	6.17	10.47	3.48	4.05	3.78	3.70	3.77	4.23	3.80
8	3.42	4.60	3.58	5.93	8.52	3.47	4.00	3.54	3.66	3.51	3.51	5.94
9	3.45	4.06	3.47	4.92	5.88	3.46	3.87	3.45	3.64	3.46	3.35	5.71
10	4.05	3.81	3.38	4.42	4.82	3.45	3.78	3.41	3.68	3.40	3.30	3.98
11	4.35	3.65	3.32	4.25	4.41	3.44	3.73	3.90	3.66	3.38	3.28	3.56
12	3.87	3.52	3.28	4.76	4.18	3.46	3.90	3.78	3.59	3.38	3.40	3.39
13	3.67	3.40	3.25	4.61	4.03	3.44	12.12	3.52	3.58	3.38	4.66	3.32
14	3.69	3.32	3.22	4.15	3.92	3.41	7.73	3.44	3.90	3.43	4.52	3.29
15	3.52	3.28	3.21	3.93	4.49	3.41	8.73	3.41	4.33	3.39	3.52	3.37
16	3.49	3.24	3.17	3.81	6.98	3.41	6.57	3.39	3.80	3.36	3.40	3.38
17	3.52	3.19	3.14	3.73	5.61	3.39	4.96	3.38	3.63	3.35	3.32	3.31
18	3.38	3.17	3.13	4.48	4.69	3.39	4.30	3.36	3.56	3.36	3.30	3.28
19	3.35	3.15	3.62	6.44	4.64	3.39	4.01	3.35	3.54	3.36	3.36	3.26
20	3.34	3.15	6.96	11.90	4.72	3.38	3.85	3.34	3.62	3.35	3.36	3.24
21	3.32	4.84	5.61	9.54	4.32	4.82	3.75	5.74	3.52	3.44	3.31	3.24
22	3.30	4.44	4.43	6.33	4.72	4.18	3.69	15.29	3.51	3.79	3.58	3.23
23	3.28	3.93	4.01	7.01	4.52	3.75	3.81	17.04	3.52	3.42	3.47	3.22
24	3.27	3.63	3.89	9.99	4.13	3.57	3.70	14.73	3.55	3.37	3.29	3.21
25	3.26	5.49	13.92	7.93	3.93	4.00	3.62	6.57	3.48	3.35	3.32	4.00
26	3.27	9.53	13.24	7.32	3.81	7.46	3.57	6.29	3.46	3.36	3.84	4.61
27	3.25	5.68	9.88	6.90	3.73	14.78	3.52	5.54	3.45	3.34	4.03	3.41
28	3.24	5.79	6.09	6.81	3.68	13.17	3.49	4.73	3.44	3.43	4.92	3.25
29	3.24	4.73	4.94	7.22	-----	8.73	3.47	4.37	3.43	3.39	4.35	3.21
30	3.23	4.13	4.48	5.59	-----	5.55	3.45	4.18	3.42	3.50	3.81	3.19
31	3.27	-----	4.96	4.75	-----	4.74	-----	4.05	-----	3.78	3.48	-----
MAX	4.35	9.53	13.92	11.90	11.00	14.78	12.12	17.04	4.33	3.99	4.92	5.94
MIN	3.23	3.15	3.13	3.73	3.68	3.38	3.45	3.34	3.42	3.34	3.28	3.19

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, 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) above mean sea level. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft (213 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.--24 years, 834 ft³/s (23.62 m³/s), 19.53 in/yr (496 mm/yr).

EXTREMES.--Current year: Maximum discharge, 22,400 ft³/s (634 m³/s) Apr. 14, gage height, 17.13 ft (5.22 m); minimum, 288 ft³/s (8.16 m³/s) Aug. 25, minimum gage height, 3.37 ft (1.15 m) Oct. 29, 30.

Period of record: Maximum discharge, 62,100 ft³/s (1,760 m³/s) Mar. 25, 1973, gage height, 20.19 ft (6.154 m); minimum, 188 ft³/s (5.32 m³/s) Oct. 18, 1956.

REMARKS.--Records good. See following page for table of daily gage height. Records of water temperatures for water year 1974 are published in part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	429	348	1,570	825	1,290	575	641	470	404	340	342	397
2	433	336	885	704	2,540	559	601	450	1,240	337	483	479
3	429	323	717	1,170	6,770	544	1,090	439	712	334	435	608
4	397	429	659	3,720	4,190	530	1,490	439	577	334	631	550
5	363	5,460	690	2,460	1,500	517	835	479	505	337	401	505
6	351	2,090	641	1,440	1,060	506	599	450	458	340	340	391
7	342	762	582	1,210	3,740	495	533	427	439	348	334	360
8	336	587	524	1,470	8,540	484	502	404	423	366	369	416
9	336	1,210	488	1,190	5,840	476	480	391	412	378	363	1,300
10	375	1,070	465	880	1,700	473	459	388	443	404	334	940
11	363	735	445	1,440	1,110	469	446	394	454	375	324	505
12	372	668	437	5,200	912	591	1,520	397	420	348	319	420
13	345	515	429	4,880	802	776	5,880	385	443	337	319	385
14	345	457	422	2,720	735	601	15,900	369	667	337	332	363
15	342	425	422	1,210	740	529	15,700	360	514	342	334	348
16	348	408	415	930	1,550	496	8,900	357	435	439	326	404
17	348	394	401	790	1,460	479	3,140	351	408	401	324	372
18	339	384	390	726	995	463	1,310	348	391	375	332	342
19	328	375	418	1,090	968	457	965	375	420	340	326	329
20	323	375	850	5,110	1,040	453	805	348	404	342	319	321
21	318	810	815	6,700	821	481	703	394	375	357	313	316
22	315	1,180	690	4,340	2,110	522	635	7,580	369	342	311	308
23	313	726	555	1,880	1,780	490	586	5,640	381	351	306	303
24	310	591	515	4,050	1,080	475	564	1,010	420	337	301	301
25	310	920	3,670	6,500	790	471	527	672	381	375	303	303
26	308	2,350	7,670	6,250	680	501	509	573	360	527	360	334
27	308	1,470	8,410	4,690	624	1,720	487	564	351	416	523	332
28	305	4,360	6,220	4,110	594	2,910	479	500	348	360	658	316
29	300	8,050	2,280	7,180	-----	1,980	462	462	345	342	500	308
30	300	4,460	1,120	6,310	-----	1,030	466	435	342	329	431	303
31	320	-----	915	2,910	-----	758	-----	408	-----	340	385	-----
TOTAL	10,651	42,268	44,710	94,085	55,961	21,811	67,214	26,259	13,841	11,230	11,678	12,859
MEAN	344	1,409	1,442	3,035	1,999	704	2,240	847	461	362	377	429
MAX	433	8,050	8,410	7,180	8,540	2,910	15,900	7,580	1,240	527	658	1,300
MIN	300	323	390	704	594	453	446	348	342	329	301	301
CFSM	.59	2.43	2.49	5.23	3.45	1.21	3.86	1.46	.79	.62	.65	.74
IN.	.68	2.71	2.87	6.03	3.59	1.40	4.31	1.68	.89	.72	.75	.82
CAL YR 1973	TOTAL	526,054	MEAN	1,441	MAX	31,300	MIN	300	CFSM	2.48	IN	33.74
WTR YR 1974	TOTAL	412,567	MEAN	1,130	MAX	15,900	MIN	300	CFSM	1.95	IN	26.46

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
11- 5	1415	11.36	6,430	1-30	0045	12.22	7,490
11-29	1230	13.22	8,810	2- 3	2045	12.13	7,370
12-27	0200	13.21	8,790	2- 8	1815	13.79	9,660
1-13	0130	10.79	5,750	4-14	1830	17.13	22,400
1-21	0500	11.88	7,060	5-22	2200	15.30	12,800
1-25	2400	11.77	6,920				

MISSISSIPPI RIVER DELTA

131

07377000 Amite River near Darlington, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.81	3.56	6.05	4.69	5.61	4.14	4.29	4.23	4.08	3.69	3.70	3.88
2	3.82	3.52	4.81	4.43	7.20	4.11	4.20	4.18	5.56	3.68	4.09	4.09
3	3.81	3.47	4.46	5.24	11.64	4.08	5.21	4.16	4.58	3.67	3.97	4.37
4	3.72	3.70	4.33	8.96	9.25	4.04	5.96	4.16	4.31	3.67	4.41	4.25
5	3.61	10.52	4.40	7.45	5.97	4.02	4.70	4.24	4.15	3.68	3.89	4.15
6	3.57	6.70	4.29	5.87	5.16	3.99	4.20	4.18	4.04	3.69	3.69	3.86
7	3.54	4.55	4.16	5.44	8.63	3.96	4.05	4.13	3.99	3.72	3.67	3.76
8	3.52	4.17	4.03	5.93	13.00	3.94	3.98	4.08	3.95	3.78	3.79	3.93
9	3.52	5.42	3.95	5.41	10.78	3.92	3.93	4.05	3.92	3.81	3.77	5.63
10	3.65	5.18	3.90	4.80	6.30	3.92	3.88	4.04	4.00	3.90	3.67	5.01
11	3.61	4.50	3.85	5.69	5.27	3.91	3.85	4.06	4.03	3.81	3.63	4.19
12	3.64	4.35	3.83	10.33	4.86	4.18	5.63	4.07	3.94	3.72	3.61	3.98
13	3.55	4.01	3.81	10.04	4.64	4.58	10.89	4.03	4.00	3.68	3.61	3.88
14	3.55	3.87	3.79	7.72	4.50	4.20	15.52	3.99	4.50	3.68	3.65	3.81
15	3.54	3.80	3.79	5.46	4.51	4.04	15.88	3.97	4.17	3.70	3.67	3.76
16	3.56	3.75	3.77	4.90	6.06	3.97	13.18	3.96	3.98	3.99	3.64	3.93
17	3.56	3.71	3.73	4.62	5.90	3.93	8.12	3.94	3.90	3.89	3.63	3.84
18	3.53	3.68	3.70	4.48	5.03	3.89	5.67	3.93	3.86	3.81	3.66	3.74
19	3.49	3.65	3.77	5.19	4.98	3.88	5.14	4.01	3.94	3.69	3.64	3.69
20	3.47	3.65	4.73	10.15	5.12	3.87	4.87	3.93	3.89	3.70	3.61	3.66
21	3.45	4.61	4.67	11.58	4.68	3.93	4.68	4.06	3.81	3.75	3.59	3.64
22	3.44	5.37	4.40	9.52	6.97	4.03	4.55	11.28	3.79	3.70	3.58	3.61
23	3.43	4.48	4.10	6.59	6.46	3.95	4.45	10.12	3.83	3.72	3.56	3.59
24	3.42	4.18	4.01	9.24	5.20	3.92	4.41	5.21	3.93	3.68	3.54	3.58
25	3.42	4.82	8.52	11.42	4.62	3.91	4.34	4.62	3.83	3.81	3.55	3.59
26	3.41	7.31	12.35	11.21	4.38	3.98	4.30	4.43	3.76	4.20	3.74	3.71
27	3.41	5.93	12.93	9.88	4.25	6.24	4.26	4.41	3.73	3.93	4.18	3.70
28	3.40	9.46	11.17	9.26	4.19	8.04	4.24	4.29	3.72	3.76	4.47	3.64
29	3.38	12.64	7.10	11.97	-----	6.75	4.21	4.20	3.71	3.70	4.14	3.61
30	3.38	9.64	5.27	11.26	-----	5.10	4.22	4.14	3.70	3.65	3.97	3.59
31	3.46	-----	4.87	7.91	-----	4.55	-----	4.09	-----	3.69	3.84	-----
MAX	3.82	12.64	12.93	11.97	13.00	8.04	15.88	11.28	5.56	4.20	4.47	5.63
MIN	3.38	3.47	3.70	4.43	4.19	3.87	3.85	3.93	3.70	3.65	3.54	3.58

07377500 Comite River near Olive Branch, La.

LOCATION.--Lat 30°45'21", long 91°02'38", in lot 41, T.3 S., R.2 E., St. Helena meridian, East Feliciana Parish, near center of span on downstream side of bridge on State Highway 67, 1,800 ft (500 m) downstream from Knighton Bayou, and 1.3 mi (2.1 km) northeast of Olive Branch.

DRAINAGE AREA.--145 mi² (376 km²).

PERIOD OF RECORD.--August 1942 to current year.

GAGE.--Water-stage recorder. Datum of gage is 115.65 ft (35.250 m) above mean sea level (Louisiana Geodetic Survey bench mark). Prior to Oct. 29, 1949, nonrecording gage. Prior to Feb. 3, 1964, at site 1,400 ft (400 m) upstream at same datum.

AVERAGE DISCHARGE.--32 years, 223 f³/s (6.32 m³/s), 20.89 in/yr (531 mm/yr).

EXTREMES.--Current year: Maximum discharge, 4,660 ft³/s (132 m³/s) Nov. 6, gage height, 9.21 ft (2.807 m); minimum, 41 ft³/s (1.16 m³/s) part or all of each day Oct. 29, 30, 31, minimum gage height, 0.61 ft (0.186 m) Sept. 23, 24, 25.

Period of record: Maximum discharge, 19,900 ft³/s (564 m³/s) Mar. 18, 1961, gage height, 21.37 ft (6.514 m); minimum discharge, 28 ft³/s (0.79 m³/s) Oct. 12, 13, 15, 16, 17, 18, 19, 1972; minimum gage height, 0.61 ft (0.186 m) Sept. 23, 24, 25, 1974.

REMARKS.--Records good. See following page for table of daily gage height. Records of water temperatures for the water year 1974 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1007: Drainage area.--WSP 1177: 1948, 1949(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	81	53	203	138	213	118	110	56	91	53	50	89
2	60	56	148	124	1,010	116	110	56	179	53	124	94
3	54	48	121	851	2,280	112	100	56	91	53	70	60
4	53	56	128	1,810	755	110	90	56	72	53	62	59
5	51	2,660	164	803	322	107	90	118	73	53	63	55
6	51	3,960	121	316	252	107	86	63	69	57	52	51
7	50	987	100	376	763	105	82	55	65	78	60	52
8	47	248	90	310	801	103	78	52	63	73	177	59
9	45	331	85	195	317	101	76	51	61	67	99	78
10	48	274	81	158	223	101	74	50	62	55	59	91
11	86	152	78	569	188	99	73	52	66	53	53	59
12	54	119	74	1,550	168	99	755	50	62	51	52	69
13	50	100	73	1,060	155	105	1,390	50	56	52	52	57
14	48	90	73	292	146	99	1,480	49	134	63	60	65
15	50	158	71	195	330	97	1,540	48	112	134	78	92
16	51	78	73	160	801	96	542	51	66	112	55	61
17	51	73	70	140	330	96	204	48	60	61	50	54
18	53	68	66	126	206	96	138	47	57	59	49	52
19	51	66	70	763	228	94	114	44	65	57	55	51
20	47	70	250	3,310	352	94	94	44	60	53	53	51
21	47	446	228	2,480	226	168	84	61	59	52	50	49
22	47	481	111	779	774	120	79	1,860	57	51	48	48
23	45	172	90	537	338	101	75	1,860	56	55	48	46
24	45	122	95	1,780	195	101	79	306	61	53	47	46
25	45	439	1,380	1,940	157	112	70	134	85	84	48	48
26	45	1,370	2,490	1,660	138	146	65	103	61	157	51	80
27	45	911	2,160	973	128	951	62	92	56	120	109	65
28	45	1,430	831	1,480	122	635	61	85	55	62	144	54
29	42	2,210	245	1,940	-----	245	59	76	54	54	70	50
30	41	639	176	1,140	-----	159	57	72	54	53	85	48
31	45	-----	150	313	-----	124	-----	69	-----	52	62	-----
TOTAL	1,573	17,867	10,095	28,268	11,918	4,917	7,917	5,814	2,162	2,083	2,135	1,833
MEAN	50.7	596	326	912	426	159	264	188	72.1	67.2	68.9	61.1
MAX	86	3,960	2,990	3,310	2,280	951	1,540	1,860	179	157	177	94
MIN	41	48	66	124	122	94	57	44	54	51	47	46
CFSM	.34	4.00	2.19	6.12	2.86	1.07	1.77	1.26	.48	.45	.46	.41
IN.	.39	4.46	2.52	7.06	2.98	1.23	1.98	1.45	.54	.52	.53	.46
CAL YR 1973	TOTAL	124,905	MEAN	342	MAX	8,320	MIN	41	CFSM	2.30	IN	31.18
WTR YR 1974	TOTAL	96,582	MEAN	265	MAX	3,960	MIN	41	CFSM	1.78	IN	24.11

PEAK DISCHARGE (BASE, 2,500 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
11-06	0830	9.21	4,660	1-20	0745	8.13	3,790
11-29	1445	6.56	2,570	2-02	2130	7.55	3,330
12-26	1130	6.95	2,850	5-22	1500	7.12	2,990

MISSISSIPPI RIVER DELTA

133

07377500 Comite River near Olive Branch, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.03	.85	1.66	1.34	1.69	1.10	--	.84	.98	.68	.65	.94
2	.90	.87	1.44	1.27	3.92	1.09	--	.84	1.40	.68	1.13	.96
3	.86	.82	1.33	3.10	6.14	1.07	--	.84	.97	.68	.81	.74
4	.85	.85	1.36	5.44	3.29	1.06	--	.84	.85	.68	.76	.73
5	.84	6.54	1.50	3.36	1.97	1.04	--	1.21	.86	.68	.77	.70
6	.84	8.34	1.33	2.07	1.70	1.04	--	.90	.83	.72	.67	.66
7	.83	3.59	1.23	2.26	3.31	1.03	--	.83	.80	.87	.74	.67
8	.81	1.82	1.18	2.05	3.41	1.02	--	.80	.79	.84	1.34	.73
9	.80	2.09	1.16	1.62	1.95	1.01	--	.79	.77	.80	.68	.87
10	.82	1.90	1.14	1.44	1.58	1.01	--	.78	.78	.70	.67	.94
11	1.05	1.41	1.12	2.58	1.43	1.00	.84	.80	.81	.68	.67	.73
12	.86	1.25	1.10	5.03	1.34	1.00	2.87	.78	.78	.66	.74	.81
13	.83	1.15	1.09	3.96	1.28	1.03	4.70	.78	.73	.67	.87	.72
14	.82	1.10	1.09	1.98	1.24	1.00	4.81	.77	1.18	.77	.70	.78
15	.63	1.44	1.08	1.62	2.00	.99	4.69	.76	1.06	1.16	.87	.95
16	.84	1.03	1.09	1.45	3.41	.98	2.69	.79	.79	1.06	.70	.75
17	.84	1.00	1.07	1.35	2.00	.98	1.62	.76	.74	.75	.65	.69
18	.85	.98	1.05	1.28	1.51	.98	1.33	.75	.72	.73	.64	.67
19	.84	.97	1.07	3.13	1.60	.97	1.21	.72	.78	.72	.70	.66
20	.81	.99	1.79	7.52	2.08	.97	1.10	.72	.74	.68	.68	.66
21	.81	2.44	1.73	6.42	1.59	1.34	1.04	.87	.73	.67	.65	.64
22	.81	2.54	1.29	3.25	3.34	1.11	1.01	5.05	.72	.66	.63	.63
23	.80	1.51	1.18	2.61	2.03	1.01	.98	5.43	.71	.70	.63	.61
24	.80	1.27	1.20	5.41	1.45	1.01	1.01	1.90	.75	.68	.62	.61
25	.80	2.27	4.62	5.65	1.29	1.07	.94	1.22	.91	.91	.63	.63
26	.80	4.67	6.44	5.21	1.20	1.24	.91	1.07	.75	1.27	.66	.89
27	.80	3.65	5.97	3.83	1.15	3.79	.89	1.01	.71	1.10	1.04	.78
28	.80	4.80	3.38	4.80	1.12	2.96	.88	.97	.70	.76	1.23	.69
29	.78	6.04	1.82	5.65	-----	1.67	.86	.91	.69	.69	.82	.65
30	.77	2.89	1.53	4.08	-----	1.30	.85	.88	.69	.68	.92	.63
31	.80	-----	1.40	2.06	-----	1.13	-----	.86	-----	.67	.76	-----
MAX	1.05	8.34	6.44	7.52	6.14	3.79	4.99	5.43	1.40	1.27	1.34	.96
MIN	.77	.82	1.05	1.27	1.12	.97		.72	.69	.66	.62	.61

07378000 Comite River near Comite, La.

LOCATION.--Lat 30°30'45", long 91°04'25", in NW¼ sec.24, T.6 S., R.1 E., St. Helena meridian, East Baton Rouge Parish, near left bank on downstream side of bridge on State Highway 946, 0.5 mi (0.8 km) downstream from Blackwater Bayou, and 2.6 mi (4.2 km) west of Comite.

DRAINAGE AREA.--284 mi² (735 km²). See REMARKS.

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

GAGE.--Water-stage recorder. Datum of gage is 25.85 ft (7.879 m) above mean sea level (Louisiana Geodetic Survey bench mark; levels by Louisiana Department of Public Works). Prior to Apr. 22, 1946, nonrecording gage at same site. Prior to Oct. 1, 1962, at datum 3.00 ft (0.914 m) higher.

AVERAGE DISCHARGE.--30 years, 446 ft³/s (12.63 m³/s), 21.33 in/yr (542 mm/yr).

EXTREMES.--Current year: Maximum discharge, 9,210 ft³/s (261 m³/s) Jan. 20, gage height, 15.14 ft (4.615 m); minimum, 46 ft³/s (1.30 m³/s) part or all of each day Oct. 30, 31, gage height, 1.66 ft (0.506 m).

Period of record: Maximum discharge, 20,900 ft³/s (592 m³/s) Apr. 29, 1962; maximum gage height, 28.64 ft (8.729 m) May 19, 1953, present datum (prior to dredging August 1961); minimum daily, 29 ft³/s (0.82 m³/s).

REMARKS.--Records good except for periods of no gage-height record, which are fair. Since 1957, entire flow from 46 mi² (119 km²) diverted from basin. See following page for table of daily gage height. Records of water temperatures for the water year 1974 are published in Part 2 of this report.

REVISIONS.--WSP 1920: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	126	54	370	214	450	170	170	97	103	68	76	161
2	100	60	239	176	1,300	160	1,550	98	166	67	69	136
3	78	60	189	1,750	5,000	150	470	203	174	67	112	106
4	66	58	226	4,560	2,000	145	200	98	130	66	220	76
5	62	3,790	209	1,940	800	140	170	250	110	69	538	71
6	60	5,390	189	662	400	135	150	185	100	718	121	68
7	54	2,480	147	1,490	800	130	130	108	94	848	152	71
8	50	468	129	907	1,700	130	120	94	90	228	101	133
9	50	585	122	440	900	125	115	90	88	111	150	223
10	50	496	116	304	500	125	110	88	86	90	93	147
11	68	249	111	304	300	125	111	94	86	80	72	98
12	78	172	106	2,730	220	120	534	91	86	75	68	77
13	56	140	101	1,830	190	130	3,480	86	94	78	67	78
14	49	123	98	682	180	120	3,130	86	90	108	87	72
15	52	112	106	358	600	120	4,280	84	130	127	78	81
16	52	104	97	280	1,500	115	3,000	83	111	140	78	84
17	56	98	95	220	500	115	1,500	86	84	99	65	69
18	54	94	91	200	250	110	600	84	83	80	61	63
19	56	90	204	1,100	350	110	300	83	82	76	59	61
20	52	88	479	8,250	500	200	168	82	81	72	66	60
21	50	235	412	5,650	250	300	139	219	76	78	86	59
22	50	706	200	2,020	1,300	160	125	925	74	101	70	57
23	50	313	139	766	800	140	122	3,010	75	75	60	57
24	49	160	224	3,500	400	130	114	1,230	86	72	58	57
25	49	479	6,660	4,020	250	400	111	279	82	70	60	67
26	48	2,890	7,290	2,970	220	1,410	109	190	89	119	76	157
27	48	1,690	4,320	2,240	190	5,050	102	154	75	130	145	98
28	48	2,180	1,800	2,920	180	2,250	99	131	71	101	286	77
29	48	2,200	526	4,310	-----	769	98	120	70	75	164	66
30	47	1,610	304	2,250	-----	400	98	111	69	70	116	61
31	52	-----	310	794	-----	250	-----	107	-----	101	137	-----
TOTAL	1,808	27,175	25,609	59,837	22,030	13,934	21,405	8,646	2,835	4,259	3,591	2,691
MEAN	58.3	906	826	1,930	787	449	714	279	94.5	137	116	89.7
MAX	126	5,390	7,290	8,250	5,000	5,050	4,280	3,010	174	848	538	223
MIN	47	54	91	176	180	110	98	82	69	66	58	57
CFSM	.18	2.73	2.49	5.81	2.37	1.35	2.15	.84	.28	.41	.35	.27
IN.	.20	3.05	2.87	6.70	2.47	1.56	2.40	.97	.32	.48	.40	.30

CAL YR 1973	TOTAL	255,081	MEAN	699	MAX	14,000	MIN	47	CFSM	2.11	IN	28.58
WTR YR 1974	TOTAL	193,821	MEAN	531	MAX	8,250	MIN	47	CFSM	1.60	IN	21.72

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
11- 6	1345	12.04	5,760	1-28	2345	11.30	5,070
12-26	1045	13.97	7,890	2- 3	unknown	unknown	about 6,000
1- 4	0630	11.33	5,100	3-27	0930	11.78	5,530
1-20	1430	15.14	9,210				

MISSISSIPPI RIVER DELTA

135

07378000 Comite River near Comite, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.29	1.71	3.19	2.65	--	--	--	2.25	2.17	1.88	1.95	2.52
2	2.12	1.74	2.75	2.48	--	--	5.92	2.26	2.54	1.87	1.89	2.36
3	1.96	1.74	2.54	5.72	--	--	3.48	2.69	2.58	1.87	2.24	2.19
4	1.90	1.73	2.70	10.68	--	--	--	2.26	--	1.86	2.56	1.95
5	1.88	9.55	2.63	6.68	--	--	--	2.84	--	1.89	3.61	1.91
6	1.86	11.64	2.54	3.97	--	--	--	2.64	--	3.82	2.29	1.88
7	1.83	7.63	2.33	5.84	--	--	--	2.33	--	4.43	2.50	1.91
8	1.81	3.45	2.22	4.55	--	--	--	2.23	2.07	2.83	2.15	2.37
9	1.80	3.76	2.17	3.39	--	--	--	2.20	2.05	2.23	2.49	2.85
10	1.80	3.55	2.13	2.98	--	--	2.74	2.19	2.03	2.07	2.09	2.47
11	1.88	2.78	2.09	2.95	--	--	2.35	2.23	2.03	1.98	1.92	2.13
12	1.93	2.45	2.06	8.20	--	--	3.40	2.21	2.03	1.94	1.88	1.96
13	1.82	2.29	2.02	6.54	--	--	9.33	2.17	2.09	1.97	1.87	1.97
14	1.77	2.18	2.00	4.01	--	--	8.82	2.17	2.06	2.20	2.04	1.92
15	1.78	2.10	2.06	3.16	--	--	--	2.16	2.37	2.34	1.97	1.99
16	1.76	2.04	1.99	--	--	--	--	2.15	2.22	2.43	1.97	2.02
17	1.78	2.00	1.98	--	--	--	--	2.17	2.02	2.14	1.85	1.88
18	1.75	1.97	1.95	--	--	--	--	2.16	2.01	1.98	1.82	1.84
19	1.76	1.94	2.61	4.64	--	--	--	2.15	2.00	1.95	1.80	1.82
20	1.74	1.93	3.48	14.29	--	--	2.60	2.14	1.99	1.92	1.86	1.81
21	1.72	2.74	3.31	11.80	--	--	2.48	2.66	1.95	1.97	2.03	1.80
22	1.71	4.09	2.59	6.82	--	--	2.42	4.50	1.93	2.15	1.90	1.78
23	1.71	2.99	2.28	4.23	--	--	2.41	8.67	1.94	1.93	1.81	1.77
24	1.70	2.40	2.69	9.20	--	--	2.37	5.24	2.03	1.92	1.79	1.78
25	1.70	3.51	12.84	10.06	--	--	2.35	3.03	2.00	1.90	1.81	1.86
26	1.69	8.46	13.43	8.62	--	5.41	2.34	2.71	2.06	2.26	1.94	2.51
27	1.69	6.25	10.25	7.33	--	11.26	2.29	2.51	1.94	2.36	2.40	2.13
28	1.68	7.18	6.45	8.22	--	7.26	2.27	2.38	1.91	2.15	3.04	1.96
29	1.68	7.29	3.62	10.38	-----	4.23	2.26	2.30	1.90	1.94	2.57	1.86
30	1.67	5.99	2.98	7.36	-----	--	2.26	2.23	1.89	1.90	2.27	1.82
31	1.70	-----	2.99	4.30	-----	--	-----	2.20	-----	2.15	2.41	-----
MAX	2.29	11.64	13.43	--	--	11.26	--	8.67	--	4.43	3.61	2.85
MIN	1.67	1.71	1.95	--	--	--	--	2.14	1.89	1.86	1.79	1.77

MISSISSIPPI RIVER DELTA

07378500 Amite River near Denham Springs, La.

LOCATION.--Lat 30°27'50", long 90°59'25", in lot 2, T.7 S., R.2 E., St. Helena meridian, Livingston Parish, on right bank at downstream side of bridge on U.S. Highway 190, 1,000 ft (300 m) downstream from Comite River, 2.3 mi (3.7 km) southwest of town of Denham Springs, and 15 mi (24 km) east of Baton Rouge.

DRAINAGE AREA.--1,280 mi² (3,315 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 3.87 ft (1.180 m) above mean sea level. Prior to Aug. 8, 1939, nonrecording gage at same site and datum. Auxiliary water-stage recorder 3.0 mi (4.8 km) downstream from base gage at datum 3.12 ft (0.951 m) above mean sea level (Corps of Engineers bench mark). Oct. 1, 1945, to Dec. 23, 1952, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--36 years, 1,880 ft³/s (53.24 m³/s), 19.95 in/yr (507 mm/yr).

EXTREMES.--Current year: Maximum discharge, 21,300 ft³/s (603 m³/s) Dec. 27, gage height, 24.63 ft (7.507 m); minimum, 513 ft³/s (14.5 m³/s) Sept. 24, 25, gage height, 6.42 ft (1.957 m).

Period of record: Maximum discharge, 67,000 ft³/s (1,900 m³/s) May 20, 1953, gage height, 32.63 ft (9.946 m); minimum daily discharge, 271 ft³/s (7.67 m³/s) Oct. 17, 18, 1956.

REMARKS.--Records good. Since 1957, entire flow from 46 mi² (119 km²) diverted from basin. See following page for table of daily gage height. For auxiliary gage heights, see station 07378510. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

REVISIONS.--WSP 1920: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,210	549	6,980	3,080	6,900	1,420	1,910	903	1,040	634	683	955
2	1,070	561	3,900	2,390	6,060	1,350	5,180	903	1,070	624	803	849
3	970	567	2,090	3,500	9,000	1,290	4,140	955	1,620	621	796	875
4	797	552	1,950	7,570	15,000	1,240	2,590	1,120	1,380	624	887	796
5	755	5,010	1,610	8,780	10,000	1,190	2,460	1,960	1,120	676	1,890	764
6	706	9,420	1,480	6,540	5,860	1,150	1,870	1,740	1,000	2,020	919	737
7	678	9,680	1,300	5,400	8,040	1,110	1,410	1,050	931	2,200	789	686
8	660	4,760	1,160	5,350	10,100	1,070	1,260	903	883	1,150	683	879
9	651	2,210	1,040	4,110	10,300	1,050	1,130	835	849	845	713	1,080
10	648	2,340	966	2,930	9,410	1,020	1,050	799	824	737	673	1,640
11	681	2,050	910	2,330	5,400	1,020	909	796	810	727	609	1,470
12	695	1,480	870	4,910	3,330	982	1,020	792	831	696	579	967
13	671	1,290	839	7,510	2,520	1,020	6,030	757	827	720	570	789
14	645	1,070	814	7,250	2,190	1,280	8,720	723	883	710	597	747
15	660	954	814	5,340	2,290	1,130	13,100	700	1,050	703	606	690
16	627	878	783	3,110	5,550	1,040	18,800	696	1,020	737	597	666
17	627	821	758	2,260	6,080	960	16,700	690	842	754	573	644
18	621	783	737	1,950	4,340	919	8,060	663	792	693	582	644
19	609	748	1,170	4,810	3,010	889	3,860	663	761	676	558	603
20	594	734	3,740	13,800	2,970	870	2,480	663	757	630	567	588
21	585	938	3,480	18,400	2,700	1,120	1,880	835	771	621	588	564
22	573	1,580	2,110	14,100	2,580	1,740	1,610	2,580	720	670	561	549
23	564	1,970	1,490	9,500	3,860	1,190	1,460	7,990	706	615	549	534
24	561	1,300	1,330	8,050	3,250	1,000	1,370	15,300	747	796	522	522
25	555	1,460	9,180	10,000	2,320	1,300	1,250	8,410	733	747	519	579
26	549	4,550	18,100	11,200	1,860	2,570	1,190	3,160	716	710	552	911
27	543	5,680	19,600	11,200	1,640	8,670	1,100	2,230	680	1,030	775	657
28	540	4,970	15,200	10,100	1,510	10,700	1,040	1,470	666	785	1,120	600
29	528	6,260	10,700	11,000	-----	8,440	991	1,340	650	657	1,030	567
30	522	7,770	6,480	11,400	-----	5,490	951	1,190	644	683	907	537
31	534	-----	4,100	9,860	-----	2,920	-----	1,100	-----	796	872	-----
TOTAL	20,629	82,935	125,681	227,730	148,070	67,140	115,611	63,916	26,323	25,287	22,669	23,089
MEAN	665	2,765	4,054	7,346	5,288	2,166	3,854	2,062	877	816	731	770
MAX	1,210	9,680	19,600	18,400	15,000	10,700	18,800	15,300	1,620	2,200	1,890	1,640
MIN	522	549	737	1,950	1,510	870	951	663	644	615	519	522
CFSM	.50	2.08	3.05	5.52	3.98	1.63	2.90	1.55	.66	.61	.55	.58
IN.	.58	2.32	3.52	6.37	4.14	1.88	3.23	1.79	.74	.71	.63	.65
CAL YR 1973	TOTAL	1,188,165	MEAN	3,255	MAX	56,300	MIN	493	CFSM	2.45	IN	33.23
WTR YR 1974	TOTAL	949,080	MEAN	2,600	MAX	19,600	MIN	519	CFSM	1.95	IN	26.55

PEAK DISCHARGE (BASE, 10,000 CFS)

DATE	TIME	G.H.T.	DISCHARGE	DATE	TIME	G.H.T.	DISCHARGE
11-7	0200	21.70	11,500	2-9	1730	21.17	10,400
12-27	0115	24.63	21,300	3-28	0445	21.42	10,900
1-21	1015	24.06	19,000	4-16	1730	24.33	20,100
1-30	0145	21.71	11,600	5-24	0730	24.25	19,800
2-5	unknown	unknown	about 16,000				

MISSISSIPPI RIVER DELTA

137

07378500 Amite River near Denham Springs, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.64	6.73	18.67	12.23	18.48	8.98	9.95	7.78	8.04	6.83	6.98	7.80
2	8.31	6.77	14.13	10.92	17.07	8.83	15.96	7.78	8.12	6.80	7.37	7.47
3	8.03	6.79	10.30	12.88	--	8.71	14.17	7.91	9.38	6.79	7.34	7.56
4	7.57	6.74	10.04	19.22	--	8.58	11.32	8.30	8.87	6.80	7.58	7.35
5	7.44	15.54	9.36	20.24	20.82	8.48	11.06	10.05	8.23	6.93	9.91	7.24
6	7.29	20.55	9.09	18.10	17.82	8.37	9.89	9.62	7.94	10.04	7.70	7.16
7	7.19	20.66	8.71	16.42	19.41	8.28	8.95	8.15	7.74	10.53	7.32	7.00
8	7.12	15.22	8.41	16.32	20.99	8.20	8.64	7.78	7.61	8.29	6.99	7.59
9	7.08	10.54	8.13	14.10	21.12	8.13	8.34	7.60	7.51	7.49	7.07	8.12
10	7.06	10.82	7.94	11.97	20.60	8.08	8.15	7.50	7.43	7.16	6.95	9.38
11	7.16	10.23	7.80	10.80	17.05	8.07	8.02	7.49	7.39	7.13	6.74	9.05
12	7.20	9.09	7.70	15.45	12.81	7.98	8.06	7.48	7.45	7.03	6.64	7.83
13	7.13	8.68	7.61	19.30	11.17	8.06	17.23	7.38	7.44	7.11	6.61	7.32
14	7.05	8.20	7.54	19.02	10.51	8.66	20.08	7.28	7.61	7.06	6.70	7.19
15	7.10	7.91	7.54	16.28	10.70	8.32	22.21	7.21	8.07	7.05	6.73	7.01
16	6.99	7.72	7.45	12.27	16.62	8.11	24.00	7.20	7.96	7.16	6.70	6.93
17	6.99	7.56	7.38	10.66	17.51	7.92	23.39	7.18	7.49	7.21	6.62	6.86
18	6.97	7.45	7.32	10.04	14.52	7.82	20.37	7.10	7.33	7.02	6.65	6.86
19	6.93	7.35	8.30	15.24	12.10	7.74	15.13	7.10	7.23	6.96	6.56	6.72
20	6.88	7.31	13.44	22.40	12.03	7.70	11.08	7.10	7.22	6.81	6.60	6.67
21	6.85	7.87	12.96	23.93	11.52	8.27	9.89	7.60	7.27	6.78	6.67	6.59
22	6.81	9.29	10.33	22.87	11.27	9.62	9.37	11.30	7.11	6.94	6.58	6.54
23	6.78	10.07	9.12	20.88	13.65	8.47	9.07	19.58	7.06	6.76	6.54	6.49
24	6.77	8.72	8.77	19.76	12.54	8.03	8.87	23.02	7.18	7.27	6.45	6.45
25	6.75	9.05	19.92	20.96	11.08	8.67	8.60	20.30	7.15	7.18	6.44	6.63
26	6.73	14.87	23.78	21.54	9.87	11.21	8.48	14.56	7.10	7.06	6.55	7.66
27	6.71	16.88	24.40	21.55	9.42	19.88	8.26	10.60	6.97	7.99	7.25	6.89
28	6.70	15.68	23.21	20.98	9.15	21.24	8.11	9.02	6.93	7.30	8.23	6.71
29	6.66	17.76	21.45	21.48	-----	19.89	8.00	8.76	6.88	6.89	8.01	6.60
30	6.64	19.54	18.34	21.64	-----	16.48	7.90	8.43	6.86	6.96	7.66	6.50
31	6.68	-----	14.46	20.86	-----	11.92	-----	8.19	-----	7.35	7.58	-----
MAX	8.64	20.66	24.40	23.93	--	21.24	24.00	23.02	9.38	10.53	9.91	9.38
MIN	6.64	6.73	7.32	10.04	9.15	7.70	7.90	7.10	6.86	6.76	6.44	6.45

MISSISSIPPI RIVER DELTA

07378510 Amite River at 4-H Camp near Denham Springs, La.

LOCATION.--Lat 30°26'30", long 90°58'20", in lot 41, T.7 S., R.2 E., St. Helena meridian, Livingston Parish, on left bank, 3.0 mi (4.8 km) downstream from gaging station Amite River near Denham Springs (sta 07378500), 3.0 mi (4.8 km) southwest of town of Denham Springs, and 3.2 mi (5.1 km) downstream from mouth of Comite River.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--October 1973 to current year (gage heights only). Unpublished records, October 1945 to September 1973, available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is 3.12 ft (0.951 m) above mean sea level (Corps of Engineers bench mark). Prior to Dec. 23, 1952, nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum gage height, 22.98 ft (7.004 m) Dec. 27; minimum, 3.17 ft (0.966 m) Oct. 30.

REMARKS.--Records of chemical analyses and suspended-sediment loads for the water year 1974 are published in Part 2 of this report.

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.87	3.31	6.93	10.34	17.64	6.09	7.60	4.88	5.18	3.70	4.04	5.07
2	4.97	3.34	3.73	8.60	13.65	5.95	13.25	4.80	5.13	3.65	4.46	4.14
3	5.41	3.40	9.80	7.55	19.45	5.80	12.87	4.92	6.13	3.62	4.13	4.80
4	4.37	3.33	7.15	15.43	21.88	5.67	9.12	5.15	6.45	3.63	4.43	4.29
5	4.19	12.65	6.63	18.04	19.70	5.54	8.60	5.30	5.45	3.60	8.00	4.24
6	3.97	16.77	6.35	16.95	17.49	5.43	7.61	7.28	5.11	4.67	5.05	4.16
7	3.85	19.11	5.90	14.27	16.39	5.33	6.28	5.45	4.84	8.93	4.35	3.86
8	3.76	15.14	5.56	14.17	18.83	5.22	5.86	4.98	4.67	5.86	3.98	4.33
9	3.69	8.48	5.21	12.54	19.09	5.16	5.48	4.67	4.53	4.67	3.77	5.58
10	3.69	7.67	4.96	9.98	19.03	5.10	5.25	4.53	4.44	4.13	3.91	5.86
11	3.72	7.81	4.79	8.28	16.65	5.11	5.09	4.53	4.33	4.04	3.64	6.62
12	3.92	6.37	4.65	10.80	11.77	5.00	4.95	4.61	4.45	3.92	3.48	5.15
13	3.81	5.85	4.55	16.15	8.86	4.92	14.35	4.43	4.30	4.13	3.44	4.35
14	3.73	5.26	4.48	17.08	8.02	5.80	16.93	4.34	4.55	4.03	3.48	4.22
15	3.89	4.87	4.37	15.25	7.49	5.48	19.35	4.25	4.98	3.80	3.54	3.92
16	3.64	4.62	4.36	10.94	12.78	5.23	21.62	4.19	5.26	4.11	3.55	3.84
17	3.61	4.42	4.27	8.22	15.36	4.97	22.20	4.18	4.53	4.12	3.47	3.67
18	3.62	4.29	4.18	7.41	13.36	4.85	9.80	4.12	4.42	3.92	3.58	3.76
19	3.57	4.17	4.14	11.20	9.99	4.74	5.20	4.08	4.19	3.86	3.39	3.56
20	3.52	4.08	11.07	18.30	9.51	4.67	9.71	4.08	4.13	3.67	3.42	3.49
21	3.46	4.95	10.73	22.23	9.38	4.72	7.48	4.11	4.25	3.60	3.55	3.40
22	3.42	5.89	8.16	21.73	8.16	7.12	6.79	6.58	4.05	3.83	3.44	3.34
23	3.38	7.76	6.52	19.75	10.92	5.76	6.40	14.55	3.96	3.65	3.43	3.30
24	3.35	6.01	5.83	17.70	10.47	5.20	6.15	20.40	4.17	3.59	3.28	3.24
25	3.32	5.35	15.70	18.38	8.56	5.03	5.89	19.56	4.06	4.80	3.25	3.24
26	3.30	11.25	21.25	19.39	7.30	6.95	5.70	14.75	4.03	3.78	3.30	5.00
27	3.27	14.18	22.98	19.84	6.69	16.10	5.47	9.30	3.89	5.10	3.85	3.84
28	3.27	13.10	22.00	19.08	6.33	19.18	5.28	6.76	3.83	4.45	5.52	3.58
29	3.24	14.56	20.30	19.40	-----	18.40	5.13	6.15	3.79	3.85	5.16	3.47
30	3.18	16.42	17.80	19.79	-----	15.75	5.00	5.70	3.73	3.64	4.74	3.34
31	3.23	-----	13.42	19.33	-----	10.85	-----	5.39	-----	4.59	4.73	-----
MAX	5.87	19.11	22.98	22.23	21.88	19.18	22.20	20.40	6.45	8.93	8.00	6.62
MIN	3.18	3.31	3.73	7.41	6.33	4.67	4.95	4.08	3.73	3.59	3.25	3.24

139

LOCATION.--Lat 30°06'00", long 90°58'40", in lot 96, T.11 S., R.14 E., Louisiana meridian, Ascension Parish, on left bank 40 ft (12 m) upstream from culvert under State Highway 18 in Donaldsonville, and 1,500 ft (457 m) downstream from Donaldsonville pumping plant.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Corps of Engineers bench mark, levels by Louisiana Department of Highways).

EXTREMES.--Period of record: Maximum daily discharge, 544 ft³/s (15.4 m³/s) May 11, 1972; no flow June 11, 14, 1959, Feb. 23, 24-27, 28, 1970, Mar. 3, Apr. 2, 3, May 14, 1971, Sept. 7-12, 1973.

REMARKS.--Records fair. Pumping plant at Donaldsonville pumps total flow of Bayou Lafourche from Mississippi River except for small amounts of storm drainage during freshets. See following page for table of daily elevation. Records of water temperatures and suspended-sediment loads for the water year 1974 are published in Part 2 of this report.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	100	171	207	183	194	206	176	151	193	238	206	108
2	100	167	239	166	254	195	192	144	202	226	214	99
3	100	165	209	154	202	188	188	137	211	214	210	96
4	80	164	186	163	132	182	192	163	217	197	210	93
5	53	201	202	167	105	176	195	176	223	184	202	91
6	56	186	180	172	99	172	195	170	230	178	199	91
7	60	169	154	182	157	222	191	154	236	172	180	136
8	146	163	158	175	201	257	184	138	239	165	196	178
9	182	161	168	185	203	265	182	161	241	154	195	115
10	195	162	172	185	203	265	179	169	247	142	194	188
11	178	163	182	188	203	255	173	171	253	132	194	214
12	171	162	180	204	205	237	170	154	260	173	195	134
13	169	162	183	195	206	229	182	144	271	191	195	112
14	167	162	189	113	207	222	172	137	286	166	194	110
15	167	160	200	169	208	215	175	134	293	160	162	111
16	219	160	211	212	203	213	172	132	303	151	222	111
17	319	159	219	222	214	212	174	131	283	149	272	110
18	334	158	221	237	224	209	168	129	294	129	279	110
19	334	158	227	240	210	208	165	108	275	178	284	110
20	334	159	229	275	213	212	163	94	241	211	285	109
21	332	162	218	254	213	221	165	96	243	220	288	105
22	332	158	199	237	214	236	163	98	249	214	291	108
23	254	157	179	234	201	240	163	96	241	207	288	110
24	192	156	214	237	203	255	160	104	260	211	287	104
25	185	157	309	200	201	267	161	121	288	204	290	110
26	183	160	180	112	192	300	160	136	291	185	250	110
27	180	163	125	90	183	314	160	154	291	209	199	104
28	181	167	124	150	218	194	160	171	286	207	104	86
29	183	167	122	183	-----	159	159	177	280	204	110	99
30	182	168	117	195	-----	154	154	180	254	203	119	99
31	175	-----	138	192	-----	151	-----	184	-----	202	124	-----
TOTAL	5,843	4,927	5,841	5,871	5,468	6,831	5,193	4,414	7,681	5,776	6,638	3,461
MEAN	188	164	188	189	195	220	173	142	256	186	214	115
MAX	334	201	309	275	254	314	195	184	303	238	291	214
MIN	53	156	117	90	99	151	154	94	193	129	104	86
AC-FT	11,590	9,770	11,590	11,650	10,850	13,550	10,300	8,760	15,240	11,460	13,170	6,860
CAL YR 1973	TOTAL 83,318.00		MEAN 228		MAX 535							

MISSISSIPPI RIVER DELTA

07380400 Bayou Lafourche at Donaldsonville, La.--Continued

ELEVATION, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.40	7.42	7.91	7.55	7.75	7.90	7.48	7.14	7.74	8.29	7.90	6.51
2	8.13	7.37	8.29	7.31	8.21	7.76	7.73	7.04	7.86	8.14	7.98	6.39
3	8.06	7.34	7.89	7.19	7.75	7.67	7.67	6.96	7.95	7.99	7.95	6.34
4	7.00	7.33	7.64	7.30	6.87	7.58	7.73	7.29	8.03	7.79	7.94	6.30
5	5.73	7.82	7.85	7.38	6.47	7.50	7.76	7.50	8.11	7.61	7.85	6.27
6	5.77	7.63	7.49	7.45	6.38	7.44	7.76	7.41	8.19	7.52	7.81	6.27
7	5.83	7.40	7.20	7.59	7.18	7.85	7.71	7.19	8.26	7.44	7.48	6.83
8	7.08	7.31	7.25	7.47	7.83	8.33	7.61	6.97	8.30	7.34	7.77	7.51
9	7.49	7.29	7.39	7.63	7.87	8.52	7.57	7.27	8.32	7.20	7.76	6.61
10	7.75	7.30	7.45	7.62	7.87	8.52	7.53	7.40	8.39	7.02	7.75	7.24
11	7.52	7.31	7.58	7.66	7.87	8.42	7.46	7.42	8.45	6.87	7.75	7.68
12	7.42	7.30	7.56	7.88	7.89	8.15	7.40	7.18	8.53	7.40	7.76	6.86
13	7.40	7.30	7.59	7.73	7.90	8.18	7.57	7.05	8.64	7.70	7.76	6.58
14	7.38	7.30	7.69	6.54	7.92	8.10	7.44	6.94	8.79	7.36	7.75	6.54
15	7.37	7.28	7.82	7.33	7.80	8.01	7.48	6.89	8.85	7.27	7.23	6.56
16	7.91	7.28	7.96	7.97	7.42	7.98	7.44	6.87	8.93	7.15	8.06	6.56
17	9.06	7.27	8.06	8.10	7.99	7.97	7.47	6.83	8.76	7.11	8.65	6.55
18	9.17	7.25	8.08	8.27	8.06	7.94	7.38	6.81	8.86	6.80	8.72	6.55
19	9.17	7.25	8.15	8.31	7.64	7.93	7.34	6.50	8.68	7.44	8.77	6.55
20	9.17	7.26	8.17	8.68	7.86	7.97	7.31	6.31	8.32	7.96	8.78	6.53
21	9.16	7.30	8.04	8.47	7.91	8.09	7.34	6.35	8.33	8.07	8.81	6.48
22	9.16	7.24	7.80	8.28	7.88	8.26	7.31	6.37	8.41	7.96	8.84	6.51
23	8.45	7.23	7.54	8.23	7.83	8.31	7.31	6.35	8.32	7.90	8.81	6.54
24	7.72	7.22	7.85	8.14	7.87	8.48	7.28	6.45	8.52	7.96	8.80	6.44
25	7.63	7.23	8.98	7.56	7.83	8.60	7.29	6.70	8.81	7.87	8.83	6.53
26	7.60	7.27	7.46	6.58	7.72	8.91	7.28	6.92	8.84	7.54	8.40	6.55
27	7.56	7.32	6.75	6.26	7.60	9.02	7.28	7.19	8.84	7.94	7.76	6.46
28	7.57	7.37	6.74	7.09	7.96	7.73	7.28	7.43	8.79	7.91	6.44	6.19
29	7.60	7.37	6.71	7.58	-----	7.27	7.27	7.51	8.73	7.88	6.55	6.38
30	7.59	7.39	6.64	7.76	-----	7.20	7.19	7.56	8.47	7.87	6.65	6.38
31	7.48	-----	6.96	7.73	-----	7.16	-----	7.61	-----	7.85	6.73	-----
MAX	9.17	7.82	8.98	8.68	8.21	9.02	7.76	7.61	8.93	8.29	8.84	7.68
MIN	5.73	7.22	6.64	6.26	6.38	7.16	7.19	6.31	7.74	6.80	6.44	6.19

MISSISSIPPI RIVER DELTA

141

07381000 Bayou Lafourche at Thibodaux, La.

LOCATION.--Lat 29°47'52", long 90°49'21", in lot 117, T.15 S., R.16 E., Lafourche Parish, on downstream side of left pier of drawspan of bridge on State Highway 20 at Thibodaux, 2.7 mi (4.3 km) upstream from Laurel Valley Canal.

PERIOD OF RECORD.--April 1966 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Louisiana Department of Public Works).

EXTREMES.--Current year: Maximum elevation, 7.00 ft (2.134 m) Dec. 25; minimum, 4.68 ft (1.426 m) Oct. 4.
Period of record: Maximum elevation, 7.64 ft (2.329 m) Apr. 17, 1973; minimum, 0.82 ft (0.250 m) Dec. 2, 1966.

REMARKS.--Pumping plant at Donaldsonville pumps total flow of Bayou Lafourche from Mississippi River except for small amounts of storm drainage during freshets. Low-water sill about 1,000 ft (300 m) downstream since Nov. 5, 1968. Records of suspended-sediment loads for the water year 1974 are published in Part 2 of this report.

ELEVATION, IN FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.83	5.00	4.98	5.10	5.60	5.32	5.20	5.17	5.21	5.44	5.25	5.35
2	4.83	5.00	5.08	5.17	6.33	5.33	5.36	5.16	5.27	5.43	5.33	5.18
3	4.83	4.98	5.23	5.20	6.14	5.32	5.35	5.13	5.29	5.44	5.38	5.15
4	4.75	4.96	5.17	5.54	5.65	5.29	5.36	5.13	5.30	5.36	5.39	5.00
5	4.75	5.46	5.11	5.30	5.37	5.24	5.34	5.20	5.35	5.32	5.39	4.94
6	4.82	5.53	5.12	5.23	5.22	5.23	5.35	5.24	5.36	5.30	5.36	4.91
7	4.83	5.19	5.09	5.31	5.27	5.20	5.39	5.23	5.37	5.37	5.36	4.93
8	4.87	5.03	5.05	5.27	5.37	5.35	5.43	5.17	5.33	5.38	5.23	5.58
9	5.11	5.00	5.14	5.24	5.35	5.42	5.35	5.14	5.34	5.45	5.25	5.33
10	5.71	4.93	5.19	5.25	5.34	5.50	5.34	5.18	5.34	5.18	5.21	4.94
11	5.49	4.96	5.18	5.25	5.33	5.51	5.35	5.37	5.36	5.16	5.22	4.91
12	5.27	4.96	5.13	5.28	5.34	5.55	5.22	5.27	5.38	5.08	5.26	4.99
13	5.23	4.95	5.13	5.31	5.33	5.50	5.35	5.20	5.43	5.18	5.23	5.03
14	5.14	4.95	5.13	5.32	5.35	5.48	5.30	5.15	5.41	5.24	5.26	5.02
15	5.08	4.95	5.20	5.14	5.34	5.36	5.34	5.13	5.49	5.24	5.23	5.03
16	5.05	4.96	5.24	5.22	5.44	5.40	5.39	5.12	5.57	5.26	5.15	5.01
17	5.15	4.97	5.26	5.34	5.38	5.38	5.27	5.14	5.61	5.18	5.19	5.00
18	5.34	4.97	5.29	5.43	5.36	5.37	5.23	5.11	5.62	5.26	5.33	5.00
19	5.44	5.02	5.31	5.43	5.41	5.37	5.18	5.10	5.67	5.18	5.37	4.97
20	5.46	4.93	5.58	6.00	5.35	5.39	5.20	5.05	5.58	5.28	5.35	4.96
21	5.47	5.01	5.42	5.75	5.34	5.40	5.22	5.00	5.40	5.46	5.35	4.95
22	5.51	4.99	5.36	5.51	5.37	5.39	5.20	5.08	5.42	5.65	5.36	5.00
23	5.49	4.94	5.34	5.43	5.33	5.46	5.22	5.02	5.42	5.39	5.36	4.97
24	5.26	4.92	5.27	5.52	5.34	5.49	5.18	4.97	5.46	5.33	5.37	4.96
25	5.09	4.90	6.99	5.52	5.30	5.52	5.17	5.03	5.55	5.37	5.39	4.95
26	5.02	4.96	6.57	5.65	5.31	5.62	5.15	5.15	5.62	5.39	5.40	5.27
27	4.98	4.91	5.58	5.43	5.30	6.65	5.15	5.25	5.66	5.30	5.40	5.09
28	4.99	5.09	5.30	5.25	5.25	6.01	5.18	5.20	5.47	5.39	5.50	5.01
29	5.01	5.02	5.15	5.45	-----	5.31	5.18	5.21	5.46	5.41	5.28	4.97
30	4.99	5.00	5.13	5.59	-----	5.10	5.18	5.20	5.51	5.38	5.10	4.96
31	5.07	-----	5.09	5.53	-----	5.22	-----	5.17	-----	5.33	5.60	-----
MAX	5.71	5.53	6.99	6.00	6.33	6.65	5.43	5.37	5.67	5.65	5.60	5.58
MIN	4.75	4.90	4.98	5.10	5.22	5.10	5.15	4.97	5.21	5.08	5.10	4.91

MISSISSIPPI RIVER DELTA

07381200 Bayou Lafourche at Valentine, La.

LOCATION.--Lat 29°35'35", long 90°28'25", on line between lots 96 and 98, T.17 S., R.20 E., Lafourche Parish, on upstream side of bridge on State Highway 308, at Valentine, 5.2 mi (8.4 km) upstream from Intracoastal Waterway, and 5.7 mi (9.2 km) south of Lockport.

PERIOD OF RECORD.--April 1966 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage at mean sea level. Prior to Oct. 1, 1968, at datum 2.98 ft (0.908 m) higher.

EXTREMES.--Current year: Maximum elevation, 2.88 ft (0.878 m) Sept. 9; minimum, 0.65 ft (0.198 m) Feb. 27.

Period of record: Maximum elevation, 3.33 ft (1.015 m) Apr. 21, 1973; minimum, -0.18 ft (-0.055 m) Feb. 9, 1968 (present datum).

REMARKS.--Pumping plant at Donaldsonville pumps total flow of Bayou Lafourche from Mississippi River except for small amounts of storm drainage during freshets. Elevation affected by tide at all stages. Records of specific conductance for the water year 1974 are published in Part 2 of this report.

ELEVATION, IN FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.02	1.57	1.60	2.01	1.71	.95	1.74	1.84	2.17	1.37	.94	1.67
2	2.05	1.58	1.45	1.75	1.76	1.07	1.97	1.76	2.18	1.42	1.06	1.63
3	1.97	1.56	1.53	1.65	1.81	1.22	1.94	1.73	2.04	1.55	1.22	1.64
4	1.91	1.50	1.90	1.68	1.68	1.35	2.15	1.61	1.93	1.59	1.20	1.41
5	1.83	1.68	1.86	1.50	1.52	1.49	2.05	1.65	1.87	1.58	1.18	1.36
6	1.70	1.64	1.68	1.42	1.65	1.56	1.73	1.64	1.86	1.59	1.20	1.43
7	1.66	1.52	1.62	1.59	1.71	1.58	1.51	1.62	2.00	1.60	1.30	1.71
8	1.66	1.60	1.33	1.65	1.72	1.60	1.71	1.63	2.19	1.57	1.45	2.20
9	1.83	1.67	1.20	1.67	1.35	1.55	1.70	1.68	2.30	1.52	1.44	2.81
10	2.05	1.62	1.15	1.67	1.11	1.52	1.47	1.76	2.33	1.40	1.45	2.77
11	2.15	1.46	1.03	1.70	1.00	1.51	1.68	2.19	2.20	1.33	1.46	2.56
12	2.28	1.52	1.10	1.65	.97	1.50	1.87	2.25	1.98	1.30	1.40	2.39
13	2.36	1.52	1.32	1.37	1.16	1.40	2.07	2.07	1.83	1.15	1.34	2.31
14	2.47	1.60	1.45	1.36	1.30	1.20	2.11	2.05	1.70	1.04	1.24	2.18
15	2.40	1.69	1.51	1.45	1.42	1.17	2.62	2.15	1.67	1.27	1.27	2.03
16	2.30	1.70	1.40	1.41	1.46	1.56	2.41	2.25	1.60	1.41	1.33	1.86
17	2.27	1.59	.91	1.39	1.26	1.41	2.22	2.27	1.47	1.52	1.34	1.75
18	2.10	1.64	.90	1.45	1.20	1.27	1.96	2.21	1.46	1.52	1.36	1.77
19	2.00	1.59	1.28	1.61	1.47	1.39	1.84	2.12	1.48	1.40	1.39	1.76
20	1.91	1.74	1.65	1.88	1.43	1.46	1.83	2.13	1.57	1.38	1.24	1.76
21	1.83	2.00	1.25	1.84	1.56	1.59	1.94	2.29	1.54	1.37	1.25	1.76
22	1.70	1.96	1.03	1.76	1.72	1.29	2.01	2.60	1.54	1.37	1.25	1.83
23	1.60	1.97	1.15	1.72	1.45	1.25	2.17	2.66	1.58	1.32	1.27	1.64
24	1.67	1.97	1.40	1.76	1.35	1.35	2.09	2.57	1.63	1.34	1.30	1.67
25	1.71	2.08	1.75	1.74	1.14	1.26	1.97	2.48	1.37	1.34	1.39	1.81
26	1.74	2.16	2.32	1.98	.77	1.39	1.87	2.33	1.32	1.20	1.69	2.07
27	1.76	2.29	2.20	1.94	.67	2.06	1.83	2.36	1.32	1.15	1.81	1.97
28	1.81	2.37	2.05	1.90	.77	2.05	1.83	2.22	1.31	.98	1.85	1.96
29	1.64	2.12	1.88	1.89	-----	1.94	1.88	2.11	1.36	.83	1.83	1.97
30	1.56	1.85	1.79	1.77	-----	1.82	1.86	1.99	1.37	.85	1.75	1.75
31	1.56	-----	1.81	1.66	-----	1.74	-----	2.01	-----	.90	1.73	-----
MAX	2.47	2.37	2.32	2.01	1.81	2.06	2.62	2.66	2.33	1.60	1.85	2.81
MIN	1.56	1.46	.90	1.36	.67	.95	1.47	1.61	1.31	.83	.94	1.36

MISSISSIPPI RIVER DELTA

143

07381300 Bayou Lafourche at Golden Meadow, La.

LOCATION.--Lat 29°23'25", long 90°15'55", on line between lots 22 and 23, T.19 S., R.22 E., Lafourche Parish, near right bank on downstream side of first pile bent from right abutment of highway bridge connecting State Highways 1 and 308 at Golden Meadow.

PERIOD OF RECORD.--April 1959 to September 1968, February to July 1970, October 1970 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 3.40 ft (1.036 m) below mean sea level (levels by Louisiana Department of Public Works). Prior to Feb. 10, 1970, at datum 3.40 ft (1.036 m) higher.

EXTREMES.--Current year: Maximum gage height, 8.01 ft (2.441 m) Sept. 8; minimum, 3.54 ft (1.079 m) Feb. 25.

Period of record: Maximum gage height, 8.13 ft (2.478 m) Oct. 4, 1964, present datum; minimum, not determined.

REMARKS.--Gage height affected by tide at all stages.

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.65	5.25	4.85	4.75	4.87	3.98	5.06	5.16	5.78	5.10	4.82	5.21
2	5.65	5.44	4.95	4.67	5.02	4.24	5.37	5.29	5.52	5.24	4.84	5.19
3	5.61	5.28	5.21	4.69	5.13	4.32	5.64	5.19	5.37	5.25	4.91	5.25
4	5.62	5.20	5.62	4.56	4.72	4.71	4.85	5.14	5.27	5.23	4.82	4.93
5	5.50	5.28	5.38	4.51	4.95	4.89	5.22	5.08	5.20	5.11	4.77	5.18
6	5.39	4.90	4.98	4.61	5.25	5.08	4.87	5.14	5.27	5.13	4.90	5.46
7	5.43	5.02	4.88	4.96	5.46	5.07	5.03	5.15	5.47	5.08	5.12	5.69
8	5.45	5.10	4.63	5.11	5.06	5.06	5.27	5.25	5.75	5.00	5.12	8.01
9	5.60	5.22	4.65	5.16	4.36	5.05	4.68	5.25	5.91	5.00	5.27	6.93
10	5.70	5.00	4.70	5.20	4.17	5.04	4.70	5.31	5.64	4.93	5.31	6.23
11	5.92	5.15	4.55	5.24	4.19	4.90	5.23	6.04	5.84	5.08	5.35	5.93
12	6.16	5.32	4.93	4.72	4.66	4.72	5.39	5.70	5.73	5.03	5.28	5.79
13	6.48	5.38	5.14	4.95	4.39	4.31	5.57	5.35	5.10	4.90	5.23	5.76
14	6.28	5.50	5.18	4.82	4.50	4.30	5.50	5.61	5.15	4.91	5.16	5.48
15	6.09	5.57	5.29	4.65	4.75	4.57	5.85	5.70	5.30	5.21	5.20	5.33
16	6.04	5.45	4.48	4.58	4.82	5.03	5.40	5.90	5.28	5.25	5.24	5.18
17	5.80	5.41	3.98	4.50	4.34	4.50	5.23	5.72	5.15	5.31	5.07	5.30
18	5.79	5.36	4.41	4.72	4.80	4.62	5.11	5.68	5.10	5.08	5.03	5.45
19	5.77	5.22	4.71	4.91	5.31	4.87	5.21	5.70	5.08	4.97	5.01	5.56
20	5.65	5.52	5.18	5.24	4.91	4.97	5.34	5.74	4.94	4.90	5.04	5.64
21	5.38	5.77	4.10	5.05	5.40	5.19	5.67	6.06	4.95	4.95	5.04	5.60
22	5.23	5.60	4.21	--	5.26	4.58	5.64	6.40	4.92	4.82	5.13	5.60
23	5.13	5.61	4.46	5.19	4.66	5.08	5.70	6.13	5.00	4.94	5.22	5.38
24	5.29	5.66	5.21	5.22	4.82	5.11	5.49	5.93	4.95	5.10	5.25	5.66
25	5.33	--	5.46	5.17	3.57	4.76	5.23	5.71	4.98	5.12	5.42	5.86
26	5.44	--	5.53	5.42	3.72	4.97	5.13	5.64	5.05	5.02	5.70	5.95
27	5.46	--	5.18	5.23	3.70	5.17	5.09	5.52	5.13	5.02	5.60	5.76
28	5.57	--	4.97	5.35	3.91	4.97	5.12	5.46	5.25	4.76	5.41	5.73
29	5.34	5.12	4.99	5.11	-----	4.91	5.25	5.41	5.24	4.77	5.39	5.50
30	5.36	5.13	5.01	4.81	-----	4.65	5.21	5.50	5.18	4.74	5.27	5.06
31	5.45	-----	5.23	4.86	-----	4.72	-----	5.59	-----	4.66	5.17	-----
MAX	6.48	--	5.62	--	5.46	5.19	5.85	6.40	5.91	5.31	5.70	8.01
MIN	5.13	4.90	3.98	4.50	3.57	3.98	4.68	5.08	4.92	4.66	4.77	4.93

MISSISSIPPI RIVER DELTA

07381800 Spring Creek near Glenmora, La.

LOCATION.--Lat 31°00'00", long 92°34'10", in SE¼NE¼ sec.4, T.1 S., R.2 W., Rapides Parish, Louisiana meridian, near right bank on downstream side of bridge on U. S. Highway 165, 0.2 mi (0.3 km) upstream from Missouri Pacific Railroad Co. bridge, 2.0 mi (3.2 km) north of Glenmora, and 7.9 mi (12.7 km) upstream from mouth.

DRAINAGE AREA.--68.3 mi² (176.9 km²).

PERIOD OF RECORD.--Water years 1954-56 (annual maximum), March 1956 to current year.

GAGE.--Water-stage recorder. Datum of gage is 63.28 ft (19.288 m) above mean sea level (Louisiana Geodetic Survey bench mark). Oct. 23, 1953, to Mar. 6, 1956, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--18 years, 91.2 ft³/s (2.582 m³/s), 18.13 in/yr (460 mm/yr), 66,070 acre-ft/yr (81.5 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 2,720 ft³/s (77.0 m³/s) Apr. 13, (gage height, 15.01 ft or 4.575 m); minimum, 46 ft³/s (1.30 m³/s) Oct. 29, 30, 31, Nov. 16-18, 19, Aug. 23, 24, 25; minimum gage height, 5.07 ft (1.545 m) Aug. 23, 24, 25. Period of record: Maximum discharge, 6,150 ft³/s (174 m³/s), revised, Nov. 12, 1966 (gage height, 17.22 ft or 5.249 m); minimum, 27 ft³/s (0.76 m³/s) Sept. 20, Oct. 4, 5, 6, 1970; minimum gage height, 4.55 ft (1.387 m) Oct. 4, 5, 6, 1970. Maximum stage since 1886, 20.50 ft (6.248 m) in May 1953; flood of June 1886 was similar, from floodmarks and information by local residents.

REMARKS.--Records good. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

REVISIONS.--The figures of maximum discharge for some water years have been revised, as shown in the following table. They supersede figures published in the water-supply papers and water-resources data publications indicated.

Publication	Water years	Date	Discharge		Gage height	
			(ft ³ /s)	(m ³ /s)	(ft)	(m)
WSP 1220, 2120	1962	Dec. 18, 1961	3,020	85.5	15.14	4.615
WSP 1920, 2120	1964	Apr. 18, 1964	2,480	70.2	14.73	4.490
WSP 1920, 2120	1965	Mar. 1, 1965	3,090	87.5	15.19	4.630
WRD	1966	Feb. 11, 1966	2,660	75.3	14.88	4.535
WRD	1967	Nov. 12, 1966	6,150	174	17.22	5.249
WRD	1968	Dec. 15, 1967	4,290	121	16.05	4.892
WRD	1971	Oct. 12, 1970	2,490	70.5	14.84	4.523
WRD	1972	Dec. 6, 1971	3,060	86.7	15.24	4.645

REVISED PEAK DISCHARGE.--1962: Dec. 18 (0300) 3,020 ft³/s.
 1964: Apr. 18 (0930) 2,480 ft³/s (14.73 ft).
 1965: Dec. 11 (1300) 2,160 ft³/s (14.44 ft); Mar. 1 (1715) 3,090 ft³/s (15.19 ft).
 1966: Feb. 11 (0930) 2,660 ft³/s (14.88 ft).
 1967: Nov. 12 (0045) 6,150 ft³/s (17.22 ft); Apr. 15 (1945) 2,160 ft³/s (14.44 ft).
 1968: Dec. 15 (1430) 4,290 ft³/s (16.05 ft); Jan. 10 (0600) 2,320 ft³/s (14.59 ft).
 1971: Oct. 12 (1530) 2,490 ft³/s (14.84 ft).
 1972: Dec. 6 (1730) 3,060 ft³/s (15.24 ft).
 1973: Oct. 23 (0330) 3,630 ft³/s (15.62 ft); Dec. 21 (1800) 1,440 ft³/s (13.80 ft).

MISSISSIPPI RIVER DELTA

145

07381800 Spring Creek near Glenmora, La.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	52	52	80	78	140	88	73	73	211	54	57	50
2	56	48	73	77	125	87	71	75	107	54	55	52
3	50	48	71	233	115	85	70	71	75	53	52	51
4	50	48	123	468	110	84	68	72	68	52	51	48
5	50	54	97	217	105	82	66	77	65	52	49	47
6	48	50	86	127	132	82	65	70	63	66	48	47
7	48	48	74	177	213	81	65	68	62	78	49	47
8	48	54	70	155	141	80	65	66	61	69	49	127
9	47	63	68	112	109	79	64	66	61	142	48	105
10	47	50	66	287	100	78	64	66	68	64	49	78
11	50	48	63	465	96	79	64	144	67	56	49	70
12	62	47	63	595	93	77	865	80	61	54	48	58
13	63	47	64	244	91	75	2,000	70	60	53	74	56
14	82	47	62	133	89	74	901	68	58	53	118	54
15	132	47	62	114	217	74	554	67	59	52	53	53
16	105	47	60	103	604	74	162	66	58	52	49	52
17	77	45	60	97	249	72	117	65	70	55	49	51
18	72	45	59	91	146	72	102	64	218	55	49	51
19	60	47	125	218	187	73	94	63	91	52	57	50
20	54	137	186	1,080	247	72	89	63	67	51	48	49
21	52	127	128	874	158	76	86	75	62	50	49	49
22	50	57	85	199	200	72	85	244	59	51	48	48
23	49	54	78	272	139	71	87	312	58	50	47	48
24	48	54	361	182	109	73	82	125	57	49	46	48
25	48	1,010	751	322	99	78	79	79	56	49	46	49
26	48	284	263	650	94	87	77	79	55	49	48	51
27	48	573	151	614	91	189	76	74	55	50	49	49
28	47	398	115	880	90	154	74	69	54	48	64	49
29	46	155	97	500	-----	99	73	66	54	48	97	52
30	46	97	89	300	-----	82	73	65	53	52	55	48
31	61	-----	84	180	-----	76	-----	93	-----	115	50	-----
TOTAL	1,796	3,884	3,814	10,044	4,289	2,625	6,411	2,735	2,213	1,828	1,700	1,687
MEAN	57.9	129	123	324	153	84.7	214	88.2	73.8	59.0	54.8	56.2
MAX	132	1,010	751	1,080	604	189	2,000	312	218	142	118	127
MIN	46	46	59	77	89	71	64	63	53	48	46	47
CFSM	.85	1.89	1.80	4.74	2.24	1.24	3.13	1.29	1.08	.86	.80	.82
IN.	.98	2.12	2.08	5.47	2.34	1.43	3.49	1.49	1.21	1.00	.93	.92
AC-FT	3,560	7,700	7,570	19,920	8,510	5,210	12,720	5,420	4,390	3,630	3,370	3,350
CAL YR 1973	TOTAL 49,486	MEAN 136	MAX 2,980	MIN 46	CFSM 1.99	IN 26.95	AC-FT 98,160					
WTR YR 1974	TOTAL 43,026	MEAN 118	MAX 2,000	MIN 46	CFSM 1.73	IN 23.43	AC-FT 85,340					

PEAK DISCHARGE (BASE, 1,100 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-25	0600	13.40	1,200	1-28	1000	13.76	1,410
12-24	1700	13.26	1,130	4-13	0530	15.01	2,720
1-20	2245	13.82	1,460				

MISSISSIPPI RIVER DELTA

07381800 Spring Creek near Glenmora, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.26	5.27	5.79	5.75		5.93	5.66	5.65	7.73	5.24	5.32	5.16
2	5.35	5.19	5.66	5.72		5.91	5.62	5.69	6.25	5.24	5.27	5.20
3	5.24	5.14	5.62	8.14		5.89	5.59	5.62	5.69	5.22	5.19	5.17
4	5.22	5.19	6.47	10.81		5.87	5.55	5.63	5.55	5.21	5.17	5.12
5	5.22	5.31	6.05	7.91	6.22	5.84	5.50	5.74	5.48	5.21	5.14	5.09
6	5.20	5.22	5.84	6.58	6.61	5.84	5.49	5.60	5.44	5.51	5.12	5.08
7	5.19	5.20	5.68	7.34	7.77	5.81	5.49	5.55	5.42	5.76	5.13	5.09
8	5.18	5.29	5.60	7.03	6.74	5.79	5.49	5.52	5.41	5.58	5.13	6.54
9	5.17	5.47	5.56	6.32	6.29	5.78	5.46	5.51	5.40	6.71	5.12	6.20
10	5.17	5.22	5.52	8.91	6.14	5.77	5.46	5.51	5.55	5.47	5.14	5.76
11	5.24	5.18	5.48	10.79	6.07	5.78	5.46	6.77	5.52	5.29	5.14	5.60
12	5.46	5.17	5.48	11.48	6.01	5.73	9.68	5.79	5.41	5.24	5.11	5.34
13	5.47	5.17	5.49	8.30	5.98	5.70	14.28	5.60	5.37	5.22	5.62	5.28
14	5.81	5.17	5.46	6.69	5.95	5.68	12.64	5.56	5.34	5.22	6.37	5.24
15	6.67	5.14	5.45	6.37	7.83	5.67	10.50	5.53	5.36	5.20	5.22	5.22
16	6.22	5.17	5.42	6.18	11.52	5.68	7.03	5.51	5.34	5.21	5.14	5.20
17	5.72	5.16	5.41	6.09	8.29	5.64	6.40	5.48	5.58	5.26	5.13	5.18
18	5.64	5.16	5.40	5.98	6.81	5.64	6.16	5.46	7.84	5.26	5.13	5.17
19	5.41	5.17	6.55	7.93	7.40	5.65	6.04	5.44	5.97	5.19	5.31	5.15
20	5.30	6.52	7.48	13.13	8.26	5.63	5.95	5.44	5.54	5.17	5.12	5.14
21	5.26	6.46	6.61	12.58	6.98	5.71	5.90	5.69	5.42	5.16	5.13	5.13
22	5.23	5.36	5.88	7.57	7.59	5.63	5.89	8.18	5.36	5.17	5.10	5.12
23	5.21	5.29	5.74	8.62	6.72	5.62	5.92	9.16	5.32	5.15	5.08	5.10
24	5.20	5.29	9.84	7.33	6.29	5.66	5.83	6.50	5.31	5.14	5.07	5.10
25	5.19	12.61	12.15	9.33	6.11	5.76	5.77	5.77	5.28	5.14	5.07	5.14
26	5.18	8.74	8.57	11.75	6.03	5.92	5.73	5.78	5.26	5.14	5.12	5.17
27	5.18	11.16	6.97	11.57	5.99	7.43	5.71	5.68	5.25	5.15	5.13	5.14
28	5.17	9.60	6.38	12.60	5.96	6.93	5.68	5.58	5.24	5.12	5.44	5.14
29	5.15	6.95	6.08		-----	6.11	5.66	5.52	5.24	5.11	6.05	5.21
30	5.14	6.04	5.94		-----	5.83	5.65	5.48	5.23	5.20	5.26	5.11
31	5.43	-----	5.85		-----	5.72	-----	5.95	-----	6.34	5.15	-----
MAX	6.67	12.61	12.15	12.60	11.52	7.43	14.28	9.16	7.84	6.71	6.37	6.54
MIN	5.14	5.16	5.40	5.72	5.95	5.62	5.46	5.44	5.23	5.11	5.07	5.08

MISSISSIPPI RIVER DELTA

147

07381950 Cocodrie Lake near Clearwater, La.

LOCATION.--Lat 31°00'00", long 92°22'57", in SE¼ sec.5, T.1 S., R.1 E., Louisiana meridian, Rapides Parish, 50 ft (15 m) north of concrete spillway in center of drainage canal, 1,000 ft (305 m) upstream from U. S. Highway 167, 0.9 mi (1.4 km) downstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 1.5 mi (2.4 km) east of Clearwater, and 4.0 mi (6.4 km) downstream from Hurricane Creek.

DRAINAGE AREA.--240 mi² (622 km²).

PERIOD OF RECORD.--September 1959 to September 1967 (gage heights only). September 1970 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 40.00 ft (12.192 m) above mean Gulf level (levels by Corps of Engineers), and 39.57 ft (12.061 m) above mean sea level (levels by Louisiana Department of Public Works).

EXTREMES.--Current year: Maximum gage height, 20.17 ft (6.148 m) Jan. 29, 30; minimum, 11.28 ft (3.438 m) July 31. Period of record: Maximum gage height 20.64 ft (6.291 m) Mar. 26, 1973; minimum not determined.

REMARKS.--Reservoir is formed on Bayou Cocodrie by earthfill dam, completed in 1959. Storage began Jan. 23, 1959. The dam contains a 100-foot (30-metres) concrete spillway. The crest of the dam is 51.44 ft (15.679 m) above mean Gulf level (levels by Corps of Engineers) and 51.00 ft (15.545 m) above mean sea level (levels by Louisiana Department of Public Works). Drawdown structure consists of one 4.0 ft (1.2 m) pipe with a metal gate that can be varied from 41.44 ft (12.631 m) to 45.44 ft (13.850 m) above mean Gulf level and from 41.00 ft (12.497 m) to 45.00 ft (13.716 m) above mean sea level. Invert of pipe is 41.44 ft (12.631 m) above mean Gulf level and 41.00 ft (12.497 m) above mean sea level. Usable capacity, 11,000 acre-ft (13.6 hm³). Reservoir is used for recreation. Flow for Bayou Cocodrie (sta 07382000 is outflow of reservoir.

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.10	12.19	15.32	15.19	19.56	15.57	12.62	14.82	12.18	11.67	11.40	11.64
2	12.11	12.17	15.13	15.00	19.36	15.37	12.56	14.63	12.40	11.64	11.55	11.69
3	12.08	12.15	14.90	15.00	19.23	15.18	12.50	14.40	12.44	11.60	11.58	11.77
4	12.03	12.14	14.80	15.19	19.04	14.98	12.45	14.17	12.39	11.56	11.69	11.80
5	11.99	12.16	14.66	15.42	18.81	14.78	12.40	13.93	12.35	11.52	11.70	11.79
6	12.07	12.17	14.53	15.42	18.67	14.60	12.36	13.77	12.25	11.48	11.70	11.75
7	12.05	12.22	14.34	15.31	18.80	14.40	12.32	13.55	12.18	11.68	11.67	11.72
8	12.04	12.30	14.14	15.20	18.81	14.20	12.30	13.32	12.13	11.76	11.66	11.80
9	12.03	12.34	13.93	15.09	18.66	14.01	12.25	13.11	12.07	11.87	11.63	11.94
10	12.02	12.41	13.73	14.90	18.44	13.83	12.22	12.93	12.05	11.90	11.62	12.17
11	12.00	12.43	13.52	15.05	18.22	13.67	12.00	13.13	12.02	11.90	11.60	12.24
12	12.13	12.40	13.33	15.69	17.99	13.48	12.22	13.11	11.97	11.97	11.58	12.23
13	12.18	12.37	13.15	16.16	17.77	13.30	14.61	13.05	11.93	11.82	11.55	12.19
14	12.24	12.33	12.96	16.22	17.55	13.10	17.14	12.91	11.88	11.83	11.58	12.15
15	12.43	12.30	12.85	16.08	17.34	12.95	18.09	12.79	11.84	11.78	11.65	12.11
16	12.64	12.25	--	15.91	17.40	12.85	18.24	12.67	11.81	11.75	11.68	12.07
17	12.84	12.22	--	15.73	17.46	12.76	18.04	12.57	11.76	11.71	11.66	12.02
18	12.86	12.18	--	15.55	17.34	12.68	17.81	12.46	11.97	11.68	11.64	11.98
19	12.83	12.16	12.52	15.40	17.25	12.62	17.57	12.38	12.13	11.65	11.68	11.93
20	12.75	12.13	12.70	16.27	17.18	12.56	17.32	12.31	12.17	11.61	11.67	11.88
21	12.67	12.22	12.93	17.18	17.07	12.55	17.09	12.25	12.13	11.57	11.67	11.85
22	12.60	12.34	13.02	17.47	16.95	12.49	16.85	12.34	12.07	11.55	11.64	11.79
23	12.52	12.39	12.97	17.37	16.80	12.45	16.66	12.35	12.02	11.52	11.62	11.74
24	12.45	12.37	12.97	17.50	16.62	12.41	16.43	12.38	11.97	11.47	11.58	11.70
25	12.39	12.60	14.52	17.56	16.40	12.41	16.18	12.37	11.93	11.44	11.56	11.67
26	12.34	13.68	15.68	18.04	16.19	12.40	15.94	12.33	11.88	11.40	11.54	11.65
27	12.30	14.49	15.94	18.60	15.98	12.52	15.70	12.27	11.84	11.40	11.55	11.63
28	12.25	15.17	15.90	19.07	15.78	12.65	15.46	12.22	11.79	11.38	11.55	11.60
29	12.20	15.55	15.75	20.07	-----	12.75	15.23	12.16	11.75	11.35	11.60	11.58
30	12.17	15.49	15.57	20.13	-----	12.73	15.01	12.10	11.71	11.31	11.66	11.55
31	12.20	-----	15.38	19.82	-----	12.68	-----	12.04	-----	11.28	11.66	-----
MAX	12.86	15.55	15.94	20.13	19.56	15.57	18.24	14.82	12.44	11.90	11.70	12.24
MIN	11.99	12.13	12.52	14.90	15.78	12.40	12.00	12.04	11.71	11.28	11.40	11.55

MISSISSIPPI RIVER DELTA

07382000 Bayou Cocodrie near Clearwater, La.

LOCATION.--Lat 31°00'00", long 92°22'46", in NW¼SW¼ sec.4, T.1 S., R.1 E., Louisiana meridian, Evangeline Parish, near right bank on downstream side of bridge on U. S. Highway 167, 1,000 ft (305 m) downstream from Cocodrie Lake dam, 1.0 mi (1.6 km) downstream from Chicago, Rock Island and Pacific Railroad Co. bridge, 1.5 mi (2.4 km) east of Clearwater, 4.0 mi (6.4 km) south of Meeker, and 5.0 mi (8.0 km) downstream from Hurricane Creek.

DRAINAGE AREA.--240 mi² (622 km²).

PERIOD OF RECORD.--May 1922 to January 1925 (published as "near Meeker"), October 1937 to current year. Monthly discharge only for October 1937, published in WSP 1311.

GAGE.--Water-stage recorder. Datum of gage is 40.00 ft (12.192 m) above mean Gulf level (levels by Corps of Engineers), and 39.57 ft (12.060 m) above mean sea level (levels by Louisiana Department of Public Works) May 1922 to January 1925, nonrecording gage 500 ft (152 m) downstream at datum about 1.5 ft (0.46 m) lower. October to December 1937, nonrecording gage at present site at datum 40.00 ft (12.192 m) lower. Jan. 1, 1938, to Mar. 28, 1940, nonrecording gage at present site and datum. Since Jan. 23, 1945, auxiliary nonrecording gage 6.6 mi (10.6 km) downstream at datum 35.10 ft (10.698 m) above mean sea level (Louisiana Geodetic Survey bench mark).

AVERAGE DISCHARGE.--39 years (1922-24, 1937-74), 415 ft³/s (11.75 m³/s), 23.48 in/yr (596 mm/yr), 300,700 acre-ft/yr (371 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 2,160 ft³/s (61.2 m³/s) Jan. 29 (gage height, 20.06 ft or 6.114 m); minimum, 117 ft³/s (3.31 m³/s) Oct. 11 (gage height, 6.01 ft or 1.832 m).

Period of record: Maximum discharge, 28,200 ft³/s (798 m³/s) May 18, 1953 (gage height, 26.72 ft or 8.144 m); reverse flow Nov. 13-15, 1922, probably caused by heavy rains in basin below station; minimum discharge unaffected by backwater or temporary diversion upstream, 50 ft³/s (1.42 m³/s) June 18, 1960.

REMARKS.--Records good. Slight regulation at low flow by Cocodrie Lake (sta 07382000). See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1211: 1938, drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	293	217	982	964	1,840	1,010	443	919	330	179	164	186
2	295	210	957	943	1,770	990	406	897	394	175	172	195
3	284	200	935	952	1,710	966	373	872	418	170	172	204
4	268	193	924	976	1,650	942	342	847	401	167	185	212
5	219	203	907	999	1,580	919	313	824	375	166	188	208
6	159	208	891	997	1,560	897	289	797	347	173	187	201
7	147	224	870	941	1,590	875	268	771	323	185	183	194
8	134	268	847	967	1,590	852	254	742	300	239	181	230
9	127	292	824	951	1,550	831	236	709	280	255	177	266
10	121	320	799	934	1,500	810	221	662	272	242	175	324
11	122	332	775	967	1,450	791	211	724	266	238	172	350
12	164	323	750	1,040	1,400	763	355	720	252	226	168	348
13	190	305	722	1,100	1,360	742	950	700	240	217	169	339
14	243	288	682	1,100	1,320	713	1,240	655	227	215	177	334
15	325	271	623	1,080	1,280	671	1,430	596	215	207	182	314
16	422	252	560	1,050	1,290	612	1,450	537	205	198	187	297
17	562	235	506	1,030	1,300	552	1,410	488	218	190	184	281
18	578	223	460	1,010	1,280	503	1,370	443	308	185	182	265
19	556	213	467	1,020	1,260	463	1,320	404	328	181	188	252
20	516	214	563	1,140	1,250	426	1,270	373	328	175	187	239
21	470	245	658	1,260	1,230	411	1,230	356	312	171	185	227
22	425	288	701	1,300	1,210	387	1,190	397	289	169	182	214
23	384	319	685	1,290	1,180	364	1,160	396	270	166	178	203
24	348	320	733	1,310	1,150	345	1,120	400	258	163	174	195
25	316	525	920	1,340	1,120	342	1,090	393	242	162	170	190
26	289	807	1,040	1,440	1,090	343	1,060	375	228	162	169	187
27	265	905	1,060	1,550	1,070	415	1,030	354	214	162	170	183
28	247	976	1,050	1,760	1,040	478	1,000	332	203	161	175	179
29	228	1,010	1,030	2,100	-----	520	972	312	193	160	178	175
30	212	1,000	1,010	2,110	-----	510	945	291	185	160	183	171
31	219	-----	990	1,980	-----	479	-----	280	-----	161	185	-----
TOTAL	9,128	11,387	24,921	37,641	38,620	19,922	24,988	17,566	8,421	5,780	5,529	7,163
MEAN	294	380	804	1,214	1,379	643	833	567	281	185	178	239
MAX	578	1,010	1,060	2,110	1,840	1,010	1,450	919	418	255	188	350
MIN	121	193	460	934	1,040	342	211	280	185	160	164	171
CFSM	1.23	1.58	3.35	5.06	5.75	2.68	3.47	2.36	1.17	.78	.74	1.00
IN.	1.41	1.76	3.86	5.83	5.99	3.09	3.87	2.72	1.31	.90	.86	1.11
AC-FT	18,110	22,590	49,430	74,660	76,500	39,520	49,560	34,840	16,700	11,460	10,970	14,210
CAL YR 1973	TOTAL 265,557	MEAN 728	MAX 2,440	MIN 121	CFSM 3.03	IN 41.16	AC-FT 526,700					
WTR YR 1974	TOTAL 211,066	MEAN 578	MAX 2,110	MIN 121	CFSM 2.41	IN 32.72	AC-FT 418,600					

MISSISSIPPI RIVER DELTA

149

07382000 Bayou Cocodrie near Clearwater, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.69	7.25	15.27	15.12	19.50	15.53	10.03	14.72	8.75	6.69	6.43	6.80
2	8.71	7.15	15.06	14.94	19.32	15.33	9.62	14.52	9.49	6.61	6.56	6.94
3	8.57	7.02	14.86	15.02	19.18	15.13	9.26	14.29	9.75	6.53	6.56	7.07
4	8.37	6.91	14.76	15.22	18.99	14.93	8.90	14.06	9.57	6.48	6.79	7.18
5	7.67	7.06	14.61	15.41	18.77	14.72	8.54	13.85	9.28	6.47	6.84	7.13
6	6.71	7.13	14.46	15.39	18.69	14.52	8.24	13.61	8.96	6.58	6.81	7.03
7	6.51	7.35	14.27	15.26	18.80	14.32	7.98	13.37	8.66	6.78	6.75	6.93
8	6.30	7.97	14.06	15.14	18.79	14.11	7.78	13.11	8.38	7.52	6.71	7.43
9	6.18	8.28	13.85	15.01	18.63	13.92	7.53	12.79	8.12	7.80	6.65	7.95
10	6.09	8.63	13.63	14.85	18.42	13.73	7.32	12.32	8.02	7.61	6.62	8.68
11	6.10	8.77	13.41	15.14	18.19	13.55	7.17	12.94	7.94	7.55	6.56	9.00
12	6.73	8.66	13.18	15.78	17.97	13.30	8.78	12.90	7.75	7.39	6.50	8.98
13	7.10	8.44	12.92	16.17	17.75	13.11	14.96	12.70	7.59	7.26	6.52	8.86
14	7.80	8.22	12.52	16.18	17.53	12.83	17.28	12.25	7.40	7.23	6.65	8.80
15	8.86	8.01	11.93	16.03	17.36	12.41	18.10	11.66	7.23	7.11	6.74	8.55
16	10.16	7.75	11.30	15.86	17.42	11.82	18.20	11.07	7.08	6.99	6.82	8.34
17	11.25	7.52	10.73	15.67	17.45	11.22	18.01	10.52	7.25	6.87	6.77	8.14
18	11.48	7.34	10.22	15.49	17.32	10.70	17.78	10.03	8.47	6.79	6.73	7.94
19	11.26	7.20	10.30	15.60	17.25	10.26	17.54	9.60	8.72	6.71	6.83	7.76
20	10.84	7.22	11.33	16.52	17.17	9.84	17.29	9.25	8.73	6.62	6.81	7.57
21	10.33	7.66	12.28	17.26	17.07	9.68	17.05	9.07	8.52	6.55	6.79	7.40
22	9.83	8.22	12.71	17.44	16.94	9.41	16.83	9.52	8.24	6.52	6.73	7.22
23	9.38	8.61	12.55	17.38	16.78	9.15	16.62	9.51	8.00	6.46	6.66	7.06
24	8.97	8.62	13.03	17.49	16.59	8.94	16.38	9.55	7.84	6.42	6.60	6.94
25	8.58	10.94	14.73	17.64	16.37	8.90	16.14	9.48	7.62	6.40	6.53	6.86
26	8.24	13.70	15.73	18.16	16.16	8.91	15.90	9.28	7.42	6.40	6.51	6.82
27	7.94	14.60	15.93	18.62	15.94	9.72	15.66	9.04	7.22	6.40	6.53	6.75
28	7.68	15.22	15.86	19.29	15.74	10.42	15.42	8.77	7.05	6.38	6.61	6.69
29	7.42	15.53	15.70	19.97	-----	10.89	15.18	8.51	6.91	6.37	6.67	6.62
30	7.19	15.45	15.52	19.99	-----	10.78	14.94	8.26	6.79	6.37	6.75	6.55
31	7.28	-----	15.33	19.76	-----	10.43	-----	8.12	-----	6.38	6.78	-----
MAX	11.48	15.53	15.93	19.99	19.50	15.53	18.20	14.72	9.75	7.80	6.84	9.00
MIN	6.09	6.91	10.22	14.85	15.74	8.90	7.17	8.12	6.79	6.37	6.43	6.55

MISSISSIPPI RIVER DELTA

07382500 Bayou Courtableau at Washington, La.

LOCATION.--Lat 30°37'05", long 92°03'20", in lot 81, T.5 S., R.4 E., Louisiana meridian, St. Landry Parish, near center of span on downstream side of bridge on State Highway 10 at Washington, 0.2 mi (0.3 km) upstream from Texas and New Orleans Railroad Co. bridge, 1.2 mi (1.9 km) upstream from Bayou Carron, 3.5 mi (5.6 km) downstream from confluence of Bayou Cocodrie and Bayou Boeuf, and 6.0 mi (9.7 km) north of Opelousas.

DRAINAGE AREA.--715 mi² (1,852 km²). See REMARKS.

PERIOD OF RECORD.--July 1946 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Louisiana Geodetic Survey bench mark). Prior to Aug. 23, 1948, non-recording gage at same site and datum. Auxiliary water-stage recorder 3.2 miles upstream from base gage. Datum of auxiliary gage is at mean Gulf level (Corps of Engineers bench mark). Prior to Feb. 28, 1949, auxiliary nonrecording gage at site 3.5 mi (5.1 km) upstream from base gage at same datum.

AVERAGE DISCHARGE.--28 years, 1,050 ft³/s (29.74 m³/s), 760,700 acre-ft/yr (938 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 5,620 ft³/s (159 m³/s) Feb. 1, 2, maximum elevation, 30.70 ft (9.357 m) Feb. 3; minimum discharge, 199 ft³/s (5.64 m³/s) part or all of each day Aug. 1, minimum elevation, 13.51 ft (4.118 m) Aug. 24. Period of record: Maximum discharge, 9,490 ft³/s (269 m³/s) May 21, 1953; maximum elevation, 35.29 ft (10.756 m) May 22, 1953; minimum discharge, 70 ft³/s (1.98 m³/s) Oct. 19, 1973, minimum elevation, 10.72 ft (3.267 m) Oct. 18, 1956.

REMARKS.--Records good except for period of no elevation record at auxiliary gage, which are fair. See following page for table of daily elevation. Some flow diverted from Bayou Boeuf into Chatlin Lake Canal through Bayou Lamourie. Since April 1952, floodflow is diverted from 76.1 mi² (197.1 m²) in Bayou Rapides basin into Bayou Boeuf when stages of Red River makes it necessary to close gates at mouth of Bayou Rapides. In extreme floods, considerable flow bypasses the station. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	790	348	3,410	3,160	5,590	1,250	925	1,170	708	380	243	400
2	882	295	2,820	2,600	5,310	1,250	925	1,120	824	460	242	500
3	841	254	2,190	3,290	5,040	1,250	861	1,060	769	560	293	600
4	683	272	1,960	3,500	5,100	1,250	765	991	685	520	318	640
5	617	1,130	2,010	3,590	5,000	1,200	672	979	644	450	279	580
6	431	1,840	1,840	3,730	4,600	1,160	593	979	605	430	263	460
7	411	1,370	1,630	3,790	4,200	1,100	546	901	571	497	265	400
8	374	1,040	1,500	3,810	3,800	1,010	505	878	539	647	277	480
9	327	1,650	1,380	3,690	3,500	994	471	850	501	1,040	276	1,000
10	287	1,450	1,250	3,550	3,200	1,020	450	828	464	904	260	1,400
11	306	1,120	1,160	3,570	2,900	1,040	385	985	420	588	263	1,600
12	2,310	925	1,130	3,740	2,700	1,030	396	1,340	375	521	259	1,700
13	2,370	773	1,110	3,890	2,500	915	1,850	1,170	352	457	378	1,650
14	1,990	626	1,080	4,090	2,300	841	3,640	1,040	364	432	552	1,500
15	2,470	546	1,050	4,150	2,100	797	3,940	982	348	412	539	1,300
16	2,290	534	945	4,110	2,000	773	4,150	904	332	397	381	1,350
17	1,910	485	800	3,960	1,900	739	4,350	784	320	369	333	1,250
18	1,490	472	679	3,750	1,800	692	4,420	668	737	383	309	1,100
19	1,230	450	742	3,620	1,700	651	4,380	594	1,250	519	315	1,000
20	1,060	412	1,820	3,710	1,650	618	4,250	540	1,020	548	310	800
21	938	716	2,010	3,930	1,600	653	4,010	493	706	509	284	650
22	840	1,030	1,710	4,210	1,550	634	3,680	898	539	487	262	540
23	749	1,060	1,400	4,400	1,500	563	3,170	1,310	434	469	246	540
24	629	1,130	1,960	4,470	1,450	592	2,580	1,390	996	467	223	766
25	595	1,930	3,560	4,530	1,400	596	1,960	1,300	1,030	440	227	643
26	552	3,290	3,560	4,630	1,350	727	1,560	1,110	658	431	220	537
27	500	3,390	3,760	4,680	1,300	1,840	1,410	934	495	445	230	457
28	457	3,560	3,910	4,940	1,250	2,480	1,330	757	454	346	250	452
29	417	3,690	3,920	5,180	-----	2,190	1,250	640	417	352	300	417
30	382	3,710	3,770	5,330	-----	1,620	1,210	559	384	321	320	381
31	356	-----	3,530	5,500	-----	1,160	-----	506	-----	264	370	-----
TOTAL	29,484	39,498	63,596	125,100	78,290	32,635	60,634	28,660	17,941	15,045	9,287	25,093
MEAN	951	1,317	2,051	4,035	2,796	1,053	2,021	925	598	485	300	836
MAX	2,470	3,710	3,920	5,500	5,590	2,480	4,420	1,390	1,250	1,040	552	1,700
MIN	287	254	679	2,600	1,250	563	385	493	320	264	220	381
AC-FT	58,480	78,340	126,100	248,100	155,300	64,730	120,300	56,850	35,590	29,840	18,420	49,770
CAL YR 1973	TOTAL 720,684		MEAN 1,974		MAX 5,460		MIN 174		AC-FT 1,429,000			
WTR YR 1974	TOTAL 525,263		MEAN 1,439		MAX 5,590		MIN 220		AC-FT 1,042,000			

MISSISSIPPI RIVER DELTA

151

07382500 Bayou Courtableau at Washington, La.--Continued

ELEVATION, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.85	14.68	22.93	23.65	29.13	19.63	19.00	19.37	17.62	17.48	14.80	15.30
2	17.05	14.45	21.62	22.50	30.08	19.52	19.01	19.28	17.99	18.35	14.78	18.43
3	16.60	14.21	20.27	24.29	30.68	19.41	18.91	19.17	18.22	18.35	14.85	19.25
4	16.72	14.12	19.79	26.29	30.51	19.32	18.73	19.01	18.24	18.33	14.87	19.02
5	16.70	19.75	19.80	26.66	30.11	19.25	18.52	18.99	18.13	18.28	14.79	17.51
6	16.32	21.94	19.27	26.47	29.64	19.18	18.34	19.13	17.90	18.36	14.66	16.95
7	15.89	20.95	18.63	26.27	29.41	19.09	18.12	18.87	17.64	18.56	14.54	16.47
8	15.52	19.79	18.23	25.86	29.10	18.93	17.86	18.76	17.35	18.87	14.44	16.18
9	15.14	20.52	17.95	25.32	28.75	18.86	17.57	18.67	17.01	19.34	14.31	19.11
10	14.85	19.64	17.77	24.62	28.31	18.88	17.57	18.61	16.68	19.09	14.16	19.40
11	14.76	18.33	17.72	25.06	27.83	18.89	18.04	18.71	16.67	18.60	14.02	20.55
12	19.19	17.27	17.79	26.44	27.33	18.89	18.00	19.13	17.06	18.41	13.89	20.91
13	21.81	16.49	17.84	26.87	26.80	18.73	20.31	18.95	17.12	18.25	14.07	20.77
14	20.92	16.18	17.91	26.72	26.13	18.59	23.52	19.00	17.24	18.12	14.59	21.19
15	21.97	16.39	17.92	26.42	25.49	18.49	24.78	18.91	17.29	18.01	15.06	20.91
16	22.03	16.42	17.88	26.03	25.27	18.42	25.19	18.59	17.31	17.85	15.18	19.48
17	20.85	16.27	17.82	25.56	24.97	18.28	25.33	18.25	17.42	17.62	15.11	18.06
18	19.36	16.07	17.79	24.97	24.51	18.10	25.32	18.02	18.29	17.56	15.02	17.15
19	18.01	15.84	18.03	24.99	23.94	17.88	25.20	17.76	19.13	17.35	14.04	16.52
20	17.07	15.70	20.07	26.90	23.46	17.65	24.99	10.87	18.84	17.14	14.67	16.88
21	16.45	16.64	20.68	27.53	22.89	17.57	24.60	17.38	18.45	16.93	14.47	17.09
22	16.08	16.85	20.21	27.65	22.32	17.51	23.95	17.91	18.28	16.72	14.24	16.98
23	15.93	16.88	19.46	27.65	21.75	17.33	22.99	19.06	18.27	16.51	14.05	16.63
24	16.27	17.03	20.60	27.84	21.10	17.23	21.78	19.45	19.07	16.29	13.82	16.69
25	16.35	19.08	25.75	28.17	20.55	17.73	20.74	18.80	19.11	16.12	13.64	16.62
26	16.26	22.89	26.84	28.69	20.18	18.45	20.08	18.19	18.80	15.95	13.62	16.40
27	16.02	23.54	26.96	29.15	19.95	21.43	19.85	17.73	18.54	15.72	13.72	16.06
28	15.72	24.23	26.63	29.24	19.77	22.23	19.70	17.49	18.23	15.56	14.05	15.75
29	15.41	24.27	26.08	29.31	-----	21.48	19.55	17.65	17.89	15.32	14.52	15.52
30	15.11	23.83	25.38	29.32	-----	20.23	19.47	17.61	17.48	15.05	14.84	15.21
31	14.87	-----	24.55	29.24	-----	19.35	-----	17.46	-----	14.87	15.13	-----
MAX	22.03	24.27	26.96	29.32	30.68	22.23	25.33	19.45	19.13	19.34	15.18	21.19
MIN	14.76	14.12	17.72	22.50	19.77	17.23	17.57	10.87	16.67	14.87	13.62	15.21

MISSISSIPPI RIVER DELTA

07383500 Bayou des Glaisses diversion channel at Moreauville, La.

LOCATION.--Lat 31°01'59", long 91°58'57", in NE¼ sec.29, T.1 N., R.5 E., Avoyelles Parish, near left bank on downstream side of bridge on State Highway 1 at Moreauville, and 150 ft (46 m) downstream from point of diversion from Bayou des Glaisses.

DRAINAGE AREA.--270 mi² (699 km²), see REMARKS.

PERIOD OF RECORD.--July 1943 to current year.

GAGE.--Water-stage recorder. Datum of gage is 23.46 ft (7.151 m) above mean sea level, (levels by Louisiana Department of Public Works). Prior to Oct. 31, 1950, nonrecording gage at same site. Prior to Sept. 30, 1961 at datum 4.84 ft (1.475 m) higher. Auxiliary water-stage recorder 2.5 mi (4.0 km) downstream. Auxiliary gage is at gage datum.

AVERAGE DISCHARGE.--31 years, 427 ft³/s (12.09 m³/s), 309,400 acre-ft/yr (381 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 2,500 ft³/s (70.8 m³/s) Jan. 28 (gage height, 18.28 ft or 5.575 m); minimum, 25 ft³/s (0.71 m³/s) Aug. 25; minimum gage height, 3.17 (0.966 m) Oct. 11.

Period of record: Maximum discharge, 6,340 ft³/s (180 m³/s) May 18, 1953 (gage height, 22.68 ft or 6.913 m, present datum); minimum, 2.7 ft³/s (0.075 m³/s) Oct. 13, 14, 15, 1973.

REMARKS.--Records good except for those periods of indefinite stage-discharge relation which are fair. Diversion channel carries natural flow of Bayou des Glaisses except when operation of floodgates, 12 mi (19 km) downstream from point of diversion, regulates flow into or out of bayou depending on stage in Red River and Old River overflow area. Flow includes diversion from Bayou Boeuf into Chatlin Lake Canal and is occasionally affected by diversion into or out of Red River and Old River overflow area. Channel discharges into West Protection Levee borrow pit channel, 6.0 mi (9.6 km) downstream. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	58	1,230	1,060	1,800	612	259	766	220	128	35	146
2	112	70	1,230	1,020	1,970	529	203	661	305	114	60	199
3	100	81	1,210	1,700	1,960	420	166	496	325	99	110	156
4	75	171	1,190	1,500	1,750	326	145	343	254	85	140	110
5	52	729	1,170	1,320	1,640	287	130	449	197	79	120	99
6	40	750	1,130	1,290	1,630	270	119	457	206	101	100	77
7	37	491	1,080	1,300	1,680	240	111	332	217	205	86	57
8	36	526	1,020	1,230	1,560	179	101	246	200	223	70	67
9	35	725	959	1,160	1,470	154	92	196	176	222	58	253
10	33	615	894	1,110	1,390	145	84	170	200	326	52	446
11	31	504	833	1,300	1,310	140	81	168	334	287	46	492
12	230	352	772	1,500	1,230	143	255	502	238	214	43	404
13	541	235	703	1,430	1,150	138	1,700	554	180	162	41	303
14	664	166	605	1,340	1,080	132	1,690	481	151	130	46	231
15	855	129	448	1,300	1,050	125	1,560	352	137	114	42	191
16	760	105	298	1,250	1,160	118	1,380	253	141	106	38	181
17	744	88	214	1,180	1,100	112	1,350	192	199	105	56	143
18	731	76	171	1,110	1,100	107	1,380	156	619	100	70	107
19	695	67	163	1,350	1,110	104	1,410	136	629	91	58	85
20	629	80	508	1,740	1,070	100	1,420	182	541	81	48	71
21	517	403	700	1,530	1,040	135	1,410	224	489	71	41	62
22	359	590	723	1,410	991	108	1,370	365	404	63	37	55
23	239	627	698	1,410	951	111	1,310	651	315	57	34	49
24	168	636	740	1,550	900	117	1,250	720	346	55	28	45
25	127	900	900	1,590	840	132	1,180	703	344	50	26	44
26	102	1,090	1,130	1,810	786	169	1,120	677	298	43	29	42
27	82	1,200	1,210	1,830	730	623	1,050	627	238	37	50	39
28	68	1,380	1,180	2,180	675	556	976	564	193	35	60	40
29	60	1,250	1,150	2,300	-----	510	908	449	163	30	48	44
30	52	1,220	1,140	2,030	-----	462	837	322	142	28	78	43
31	54	-----	1,100	1,890	-----	355	-----	241	-----	28	89	-----
TOTAL	8,320	15,314	26,499	45,720	35,123	7,659	25,047	12,635	8,401	3,469	1,839	4,281
MEAN	268	510	855	1,475	1,254	247	835	408	280	112	59.3	143
MAX	855	1,380	1,230	2,300	1,970	623	1,700	766	629	326	140	492
MIN	31	58	163	1,020	675	100	81	136	137	28	26	39
AC-FT	16,500	30,380	52,560	90,690	69,670	15,190	49,680	25,060	16,660	6,880	3,650	8,490

CAL YR 1973 TOTAL 291,835 MEAN 800 MAX 3,820 MIN 19 AC-FT 578,900
 WTR YR 1974 TOTAL 194,307 MEAN 532 MAX 2,300 MIN 26 AC-FT 385,400

NOTE.--Indefinite stage-discharge relation Nov. 5-9, 25-28, Dec. 24-27, Jan. 5-7, 11-13, 19-21, 24-31, Feb. 2, 3, Mar. 27, Apr. 13-16.

MISSISSIPPI RIVER DELTA

153

07383500 Bayou des Glaises diversion channel at Moreauville, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.10	3.62	11.40	10.57	14.64	8.86	6.49	8.98	5.53	4.69	3.48	4.87
2	4.34	3.85	11.41	10.36	15.28	8.36	5.98	8.39	6.16	4.53	3.86	5.36
3	4.20	4.03	11.30	14.54	15.23	7.68	5.57	7.41	6.31	4.36	4.47	4.97
4	3.88	4.77	11.21	14.17	14.47	7.03	5.34	6.43	5.80	4.19	--	4.49
5	3.58	11.94	11.10	12.21	14.01	6.71	5.18	7.11	5.34	4.11	--	4.36
6	3.38	9.60	10.90	11.74	13.95	6.58	5.05	7.17	5.42	4.36	--	4.09
7	3.32	7.45	10.65	11.82	14.17	6.32	4.96	6.36	5.51	5.40	--	3.81
8	3.30	7.62	10.34	11.39	13.66	5.73	4.85	5.73	5.37	5.56	--	3.96
9	3.28	8.75	10.02	11.09	13.29	5.45	4.74	5.33	5.15	5.54	--	5.79
10	3.24	8.12	9.68	10.82	12.95	5.34	4.64	5.10	5.35	6.32	--	7.10
11	3.20	7.45	9.35	14.06	12.57	5.29	4.60	5.07	6.37	6.04	--	7.39
12	5.51	6.49	9.01	14.65	12.18	5.32	6.16	7.45	5.67	5.48	--	6.84
13	7.76	5.65	8.63	12.65	11.82	5.27	14.51	7.76	5.19	5.03	--	6.16
14	8.51	5.05	8.06	11.95	11.42	5.20	14.72	7.32	4.92	4.71	--	5.60
15	9.64	4.70	7.11	11.74	11.29	5.12	13.58	6.49	4.78	4.53	--	5.25
16	9.08	4.43	6.12	11.49	11.85	5.04	12.17	5.78	4.82	4.44	--	5.16
17	8.99	4.22	5.48	11.17	11.56	4.97	11.96	5.30	5.30	4.43	--	4.77
18	8.91	4.08	5.11	10.84	11.52	4.92	12.09	4.97	8.13	4.37	--	4.37
19	8.70	3.95	5.04	12.13	11.59	4.88	12.22	4.77	8.19	4.26	--	4.08
20	8.30	4.12	7.49	15.34	11.40	4.84	12.28	5.19	7.68	4.14	--	3.89
21	7.61	6.83	8.61	13.51	11.21	5.23	12.24	5.57	7.37	4.01	--	3.76
22	6.57	7.97	8.74	12.56	10.97	4.93	12.05	6.52	6.84	3.90	--	3.65
23	5.66	8.19	8.60	12.73	10.76	4.96	11.80	8.33	6.24	3.82	3.46	3.56
24	4.99	8.24	10.89	13.65	10.49	5.03	11.50	8.72	6.45	3.78	3.37	3.50
25	4.52	12.30	15.14	14.07	10.17	5.20	11.19	8.63	6.44	3.72	3.33	3.49
26	4.19	11.74	13.11	15.59	9.86	5.62	10.85	8.48	6.12	3.62	3.39	3.46
27	3.93	11.43	11.67	15.37	9.55	9.20	10.48	8.19	5.68	3.52	3.71	3.41
28	3.75	12.48	11.16	17.02	9.23	8.52	10.11	7.82	5.31	3.48	3.85	3.43
29	3.62	11.49	11.02	17.43	-----	8.25	9.75	7.12	5.03	3.40	3.69	3.49
30	3.50	11.34	10.95	15.88	-----	7.94	9.37	6.29	4.83	3.36	4.10	3.47
31	3.56	-----	10.77	15.03	-----	7.23	-----	5.70	-----	3.36	4.24	-----
MAX	9.64	12.48	15.14	17.43	15.28	9.20	14.72	8.98	8.19	6.32	--	7.39
MIN	3.20	3.62	5.04	10.36	9.23	4.84	4.60	4.77	4.78	3.36	--	3.41

MISSISSIPPI RIVER DELTA

07384400 State Canal near Krotz Springs, La.

LOCATION.--Lat 30°33'55", long 91°49'55", in NW¼ sec.2, T.6 S., R.7 E., St. Landry Parish, at bridge on U.S. Highway 71, 1.7 mi (2.7 km) upstream from Slow Bayou, 2.0 mi (3.2 km) north of the junction of U.S. Highways 71 and 190 and 5.0 mi (8.0 km) northwest of town of Krotz Springs.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Annual peaks, water years 1960-67, October 1967 to current year (gage height only).

GAGE.--Water-stage recorder. Datum of gage is 2.55 ft (0.777 m) above mean sea level. Crest-stage gage prior to 1967 at present datum.

EXTREMES.--Current year: Maximum gage height, 19.26 ft (5.870 m) Feb. 2; minimum, 10.91 ft (3.325 m) Aug. 26.
Period of record: Maximum gage height, 20.64 ft (6.29 m) May 27, 1973; minimum, not determined.

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.25	11.67	15.65	17.06	18.64	17.23	16.15	16.11	14.18	15.94	12.19	12.48
2	14.30	11.56	15.59	17.03	18.87	17.15	16.15	16.08	14.21	15.90	12.09	13.58
3	14.12	11.46	15.35	17.21	19.22	17.07	16.13	16.03	14.21	15.87	12.07	14.16
4	13.86	11.37	15.26	17.39	19.13	16.99	16.06	15.98	14.22	15.86	12.11	14.37
5	13.60	13.44	15.08	17.48	19.04	16.90	15.96	15.95	14.29	15.80	12.11	14.28
6	13.30	14.85	14.91	17.53	18.94	16.82	15.88	15.88	14.29	15.82	12.00	14.07
7	13.11	15.50	14.74	17.64	18.99	16.74	15.80	15.84	14.31	15.83	11.88	13.79
8	12.92	15.40	14.59	17.65	18.89	16.65	15.73	15.77	14.34	15.92	11.75	13.71
9	12.76	15.62	14.43	17.62	18.79	16.56	15.63	15.72	14.36	15.94	11.65	14.39
10	12.62	15.59	14.34	17.61	18.70	16.46	15.56	15.64	14.38	15.89	11.50	14.77
11	12.13	15.36	14.31	17.60	18.61	16.38	15.43	15.61	14.40	15.83	11.35	14.80
12	12.37	15.01	14.37	17.68	18.50	16.30	15.39	15.54	14.42	15.73	11.22	14.85
13	12.23	15.06	14.46	17.71	18.40	16.28	15.54	15.50	14.46	15.62	11.15	14.85
14	12.64	14.75	14.55	17.76	18.32	16.08	15.86	15.42	14.58	15.52	11.38	14.96
15	13.42	14.44	14.65	17.82	18.23	15.99	16.53	15.36	14.64	15.40	11.26	15.05
16	14.33	14.14	14.73	17.82	18.22	15.92	16.68	15.29	14.69	15.29	11.22	14.92
17	14.51	13.87	14.81	17.81	18.15	15.82	16.72	15.21	14.75	15.17	11.19	14.56
18	14.36	13.64	14.89	17.77	18.07	15.73	16.73	15.11	14.97	15.00	11.32	14.00
19	14.07	13.44	14.97	17.73	18.02	15.65	16.72	15.01	15.10	14.82	11.36	13.56
20	13.78	13.27	15.12	17.91	17.94	15.57	16.71	14.91	15.24	--	11.35	13.42
21	13.53	13.57	15.36	17.92	17.87	15.53	16.68	14.82	15.36	--	11.34	13.19
22	13.26	13.79	15.49	17.97	17.82	15.43	16.64	14.72	15.45	14.24	11.30	12.98
23	13.05	13.92	15.53	17.93	17.75	15.37	16.59	14.62	15.53	14.00	11.27	12.84
24	12.84	13.99	15.55	18.12	17.68	15.33	16.52	14.50	15.60	13.76	11.19	12.66
25	12.63	14.20	16.45	18.33	17.59	15.37	16.44	14.46	15.70	13.54	11.12	12.58
26	12.53	14.91	16.83	18.50	17.51	15.35	16.37	14.43	15.81	13.35	11.06	12.50
27	12.34	15.56	16.98	18.63	17.41	15.83	16.32	14.40	15.83	13.14	11.00	12.38
28	12.18	15.77	17.05	18.71	17.32	16.21	16.26	14.34	15.86	12.96	11.14	12.25
29	12.03	15.89	17.08	18.74	-----	16.30	16.20	14.25	15.90	12.78	11.50	12.13
30	11.88	15.86	17.08	18.73	-----	16.25	16.16	14.18	15.92	12.50	11.94	11.99
31	11.79	-----	17.09	18.69	-----	16.23	-----	14.15	-----	12.31	12.26	-----
MAX	14.51	15.89	17.09	18.74	19.22	17.23	16.73	16.11	15.92	--	12.26	15.05
MIN	11.79	11.37	14.31	17.03	17.32	15.33	15.39	14.15	14.18	12.31	11.00	11.99

07385500 Bayou Teche at Arnaudville, La.

LOCATION.--Lat 30°23'50", long 91°55'50", in lot 63, T.7 S., R.5 E., Louisiana meridian, St. Landry Parish, near center of span on downstream side of bridge on State Highway 31 at Arnaudville, and 270 ft (82 m) upstream from Bayou Fusilier.

DRAINAGE AREA.--1,531 mi² (3,965 km²). See REMARKS.

PERIOD OF RECORD.--April 1949 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Louisiana Geodetic Survey bench mark). Prior to May 11, 1949, non-recording gage. May 12, 1949, to May 11, 1960, water-stage recorder, May 26, 1960, to Aug. 15, 1961, nonrecording gage. All gages at same site and datum. Auxiliary water-stage recorder 3.7 mi (6.0 km) upstream from base gage, at same datum.

AVERAGE DISCHARGE.--25 years, 829 ft³/s (23.48 m³/s), 600,600 acre-ft/yr (741 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 3,180 ft³/s (90.1 m³/s) Feb. 2, maximum elevation, 19.94 ft (6.078 m) Feb. 3; minimum daily, 300 ft³/s (8.50 m³/s) Aug. 12, 13, minimum elevation, 10.20 ft (3.109 m) Aug. 13.
Period of record: Maximum discharge, 4,630 ft³/s (131 m³/s) May 24, 1952; maximum elevation, 24.27 ft (7.397 m), May 23, 1953; minimum discharge, 53 ft³/s (1.50 m³/s) Aug. 12, 1965, minimum elevation, 6.78 ft (2.067 m) Oct. 28, 1956.

REMARKS.--Records good except for periods of no gage-height record at auxiliary gage, which are poor. Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station via Bayou Courtableau at weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaisses floodgates and to or from West Atchafalaya floodway through Big Darbonne Bayou culvert and since April 1956 through Bayou Courtableau drainage structure. Since April 1952, floodflow is diverted from Bayou Rapides, drainage area, 76.1 mi² (197 km²) into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. See following page for table of daily elevation. Records of water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,130	499	1,160	1,380	1,950	1,180	1,120	1,160	906	850	680	700
2	801	473	1,080	1,320	2,650	1,170	1,060	1,150	944	900	580	900
3	728	434	1,010	1,640	2,870	1,160	1,170	1,140	1,000	1,000	500	1,080
4	783	421	955	1,580	2,580	1,150	1,150	1,120	1,030	1,100	470	1,090
5	788	1,360	945	1,640	2,410	1,140	1,120	1,110	1,030	1,000	450	1,010
6	766	1,870	907	1,740	2,250	1,140	1,100	1,140	997	1,600	410	913
7	694	1,830	869	1,790	2,230	1,130	1,080	1,110	963	2,000	380	850
8	633	2,100	833	1,630	1,990	1,130	1,060	1,090	916	1,900	350	1,800
9	587	1,900	828	1,560	1,930	1,120	1,020	1,090	869	1,600	330	2,000
10	542	1,650	833	1,500	1,890	1,110	932	1,070	822	1,400	320	1,900
11	531	1,450	839	1,550	1,820	1,110	873	1,070	789	1,300	310	1,600
12	684	1,220	869	1,720	1,730	1,110	1,030	1,070	855	1,200	300	1,300
13	1,090	890	878	1,730	1,660	1,100	1,100	1,070	886	1,150	300	1,220
14	991	750	890	1,720	1,590	1,090	1,200	1,100	946	1,100	360	1,160
15	1,080	743	900	1,690	1,570	1,080	1,330	1,110	880	1,050	500	1,200
16	1,130	756	908	1,610	1,530	1,080	1,480	1,070	900	1,000	540	1,220
17	1,060	738	923	1,570	1,480	1,060	1,470	1,030	1,000	970	560	1,110
18	947	713	941	1,530	1,450	1,040	1,430	1,000	1,400	940	540	934
19	840	679	967	1,630	1,420	1,030	1,410	968	1,350	900	520	1,000
20	754	676	1,030	1,940	1,390	986	1,410	918	1,200	860	490	1,000
21	684	777	1,090	2,000	1,380	945	1,410	906	1,100	820	449	900
22	637	745	1,090	1,790	1,360	934	1,370	927	1,000	780	430	840
23	624	730	1,080	1,880	1,300	920	1,310	1,030	1,050	730	415	790
24	700	744	1,190	2,060	1,260	900	1,260	1,110	1,100	720	391	780
25	728	853	1,550	2,200	1,240	900	1,220	1,040	1,100	710	365	780
26	713	1,210	1,780	2,300	1,210	1,100	1,200	963	1,050	700	360	750
27	683	1,240	1,810	2,350	1,200	1,300	1,180	921	1,000	900	383	700
28	639	1,280	1,780	2,300	1,190	1,390	1,180	892	980	1,100	398	660
29	594	1,280	1,650	2,200	-----	1,390	1,170	936	940	1,000	426	610
30	562	1,230	1,550	2,100	-----	1,290	1,170	944	900	860	510	560
31	523	-----	1,470	2,000	-----	1,190	-----	927	-----	760	539	-----
TOTAL	23,646	31,241	34,605	55,650	48,530	34,375	36,015	32,182	29,903	32,900	13,556	31,357
MEAN	763	1,041	1,116	1,795	1,733	1,109	1,201	1,038	997	1,061	437	1,045
MAX	1,130	2,100	1,810	2,350	2,870	1,390	1,480	1,160	1,400	2,000	680	2,000
MIN	523	421	828	1,320	1,190	900	873	892	789	700	300	560
AC-FT	46,900	61,970	68,640	110,400	96,260	68,180	71,440	63,830	59,310	65,260	26,890	62,200

CAL YR 1973 TOTAL 416,673 MEAN 1,142 MAX 2,240 MIN 248 AC-FT 826,500
WTR YR 1974 TOTAL 403,960 MEAN 1,107 MAX 2,870 MIN 300 AC-FT 801,300

NOTE.--No gage height record at auxiliary gage June 15 to Sept. 15.

MISSISSIPPI RIVER DELTA

07385500 Bayou Teche at Arnaudville, La.--Continued

ELEVATION, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.90	11.06	13.84	14.68	17.60	13.75	13.47	13.47	12.57	12.51	10.94	11.53
2	12.79	10.94	13.51	14.39	18.43	13.71	13.73	13.45	12.77	13.01	10.86	13.29
3	12.17	10.80	13.17	16.02	19.87	13.67	13.52	13.41	12.85	13.22	10.83	13.70
4	12.16	10.68	13.10	17.65	19.56	13.63	13.40	13.35	12.94	13.47	10.85	13.25
5	12.23	16.57	12.91	17.65	19.07	--	13.27	13.31	12.96	13.39	10.85	12.79
6	12.13	18.07	12.73	17.29	18.46	--	13.17	13.38	12.84	14.81	10.79	12.41
7	11.88	17.56	12.55	17.37	19.04	13.51	13.08	13.31	12.70	16.04	10.74	12.24
8	11.62	17.61	12.43	16.87	18.66	13.42	12.95	13.23	12.55	16.01	10.66	15.23
9	11.39	17.52	12.37	16.19	18.09	13.36	12.76	13.19	12.36	15.22	10.58	16.08
10	11.18	16.91	12.36	15.50	17.49	13.35	12.62	13.15	12.15	14.18	10.50	15.56
11	11.15	15.88	12.41	15.27	16.90	13.35	12.96	13.15	12.01	13.58	10.39	14.77
12	11.67	14.37	12.48	15.86	16.38	13.33	13.04	13.11	12.24	13.30	10.33	14.43
13	13.34	12.84	12.55	15.83	15.94	13.29	13.49	13.06	12.40	13.16	10.29	14.26
14	13.82	12.10	12.61	15.77	15.58	13.24	14.28	13.19	12.54	13.06	10.38	13.97
15	14.59	12.08	12.68	16.00	15.36	13.21	14.82	13.24	12.46	12.98	10.76	13.80
16	14.29	12.12	12.71	15.97	15.74	13.18	14.81	13.12	12.47	12.86	10.88	13.18
17	13.64	12.05	12.77	15.55	15.41	13.10	14.74	12.95	12.80	12.68	11.10	12.39
18	13.03	11.93	12.83	15.24	15.04	13.02	14.60	12.84	14.69	12.64	11.12	12.06
19	12.53	11.78	13.01	15.65	14.95	12.91	14.52	12.71	14.25	12.51	11.03	12.35
20	12.15	11.83	13.58	18.47	14.73	12.78	14.47	12.51	13.66	12.46	10.94	12.33
21	11.87	12.76	13.59	18.72	14.62	12.65	14.41	12.47	13.20	12.27	10.84	12.13
22	11.67	12.35	13.51	18.37	14.71	12.59	14.33	12.65	13.09	12.13	11.87	12.10
23	11.54	12.24	13.40	18.05	14.39	12.52	14.18	12.86	13.20	11.99	10.60	12.05
24	11.76	12.10	13.78	18.82	14.17	12.45	13.96	13.24	13.35	11.85	10.50	11.85
25	11.92	12.37	16.43	19.38	13.95	12.83	13.78	13.03	13.32	11.71	10.40	11.59
26	11.94	13.72	17.38	19.67	13.89	13.18	13.67	12.77	13.29	11.64	10.39	11.35
27	11.86	14.05	17.41	19.79	13.83	14.88	13.61	12.57	13.26	12.80	10.50	11.17
28	11.70	14.31	16.86	19.51	13.79	14.89	13.58	12.44	13.13	13.67	10.58	--
29	11.51	14.29	16.20	19.14	-----	14.28	13.56	12.55	12.93	12.25	10.95	--
30	11.33	14.11	15.51	18.60	-----	13.82	13.51	12.63	12.71	11.36	11.27	--
31	11.21	-----	15.02	18.09	-----	13.54	-----	12.57	-----	11.06	11.21	-----
MAX	14.59	18.07	17.41	19.79	19.87	14.89	14.82	13.47	14.69	16.04	11.87	--
MIN	11.15	10.68	12.36	14.39	13.79	12.45	12.62	12.44	12.01	11.06	10.29	--

07385700 Bayou Teche at Keystone Lock, near St. Martinville, La.

LOCATION.--Lat 30°04'15", long 91°49'45", on line between lots 8 and 17, T.11 S., R.6 E., St. Martin Parish, on right bank of concrete lock and dam, 3.5 mi (5.6 km) south of St. Martinville, and 11 mi (18 km) upstream from Loreauville Canal.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1959 to current year. Daily gage heights since July 1913 in reports of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is mean low Gulf level or 0.78 ft (0.238 m) below mean sea level (Corps of Engineers bench mark).

AVERAGE DISCHARGE.--14 years, 483 ft³/s (13.68 m³/s), 349,900 acre-ft/yr (431 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 2,480 ft³/s (70.2 m³/s) Feb. 7, gage height, 12.02 ft (3.664 m); minimum, 110 ft³/s (3.12 m³/s) Aug. 11, gage height, 9.82 ft (2.993 m).

Period of record: Maximum discharge, 3,970 ft³/s (112 m³/s) Sept. 5, 1973, maximum gage height, 15.59 ft Oct. 4, 1964; minimum discharge, no flow Aug. 10-29, 1962, June 12-16, 1963, July 24, 1964, July 21, 1972.

REMARKS.--Records good. See following page for table of daily gage height. Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station via Bayou Courtableau at weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow area through Bayou des Glaisses floodgates and to or from West Atchafalaya floodway through Big Darbonne Bayou culvert and since April 1956 through Bayou Courtableau Drainage Structure. Since April 1952, floodflow is diverted from Bayou Rapides (drainage area, 76.1 mi² or 197 km²) into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. Dependent upon its gradient, Bayou Fusilier interchanges flow between Bayou Teche and Vermilion River. Water for irrigation is diverted through Ruth Canal (see sta 07386700) into Vermilion River. Crest of dam raised from 8.0 ft (2.44 m) to 9.5 ft (2.90 m) in June 1957. Records of water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	810	386	760	900	1,430	719	581	565	610	438	240	407
2	790	362	724	840	1,530	706	835	552	660	463	225	563
3	643	346	652	1,360	1,730	706	641	551	500	517	213	790
4	517	316	697	1,430	1,810	700	599	545	483	567	215	722
5	526	1,300	634	1,400	1,740	705	550	542	480	557	210	653
6	517	1,520	598	1,400	1,620	692	521	549	467	697	190	587
7	490	1,490	571	1,430	2,180	645	502	544	459	971	188	542
8	458	1,820	544	1,310	1,760	534	521	522	447	990	181	1,020
9	418	1,470	526	1,190	1,560	529	478	506	434	931	166	1,150
10	386	1,340	526	1,070	1,430	537	439	502	416	781	167	1,090
11	378	1,180	517	982	1,310	534	460	525	364	649	150	936
12	418	982	526	1,000	1,200	541	541	516	371	571	158	912
13	634	715	553	1,040	1,110	532	1,090	490	382	532	149	968
14	830	526	553	1,040	1,040	521	843	506	419	510	163	784
15	930	482	571	1,050	1,060	522	965	534	415	491	169	724
16	960	482	562	1,070	1,080	519	857	526	425	466	251	693
17	820	482	571	1,030	1,020	498	798	502	502	444	356	621
18	706	466	580	960	944	471	765	481	762	431	369	538
19	616	450	634	1,230	940	469	744	466	743	415	371	476
20	544	442	706	1,890	889	462	728	449	672	407	360	466
21	490	607	697	1,650	869	458	717	432	576	375	344	505
22	466	562	679	1,590	874	427	721	463	551	361	326	515
23	434	535	670	1,540	828	419	701	461	591	337	302	504
24	450	490	800	1,820	797	423	661	517	574	320	283	476
25	482	508	1,260	1,920	760	494	620	522	565	331	271	484
26	499	625	1,420	2,040	741	645	592	510	556	311	270	481
27	499	780	1,360	1,940	729	1,000	580	466	551	581	290	450
28	482	830	1,300	1,870	727	881	574	425	538	682	315	424
29	450	810	1,180	1,790	-----	777	581	436	511	549	383	406
30	426	800	1,060	1,660	-----	677	579	449	478	369	482	374
31	418	-----	971	1,530	-----	602	-----	452	-----	282	417	-----
TOTAL	17,487	23,104	23,402	42,972	33,708	18,345	19,784	15,506	15,502	16,326	8,174	19,261
MEAN	564	770	755	1,386	1,204	592	659	500	517	527	264	642
MAX	960	1,820	1,420	2,040	2,180	1,000	1,090	565	762	990	482	1,150
MIN	378	316	517	840	727	419	439	425	364	282	149	374
AC-FT	34,690	45,830	46,420	85,230	66,860	36,390	39,240	30,760	30,750	32,380	16,210	38,200
CAL YR 1973	TOTAL 294,406		MEAN 807	MAX 3,310	MIN 150	AC-FT 584,000						
WTR YR 1974	TOTAL 253,571		MEAN 695	MAX 2,180	MIN 149	AC-FT 503,000						

MISSISSIPPI RIVER DELTA

07385700 Bayou Teche at Keystone Lock, near St. Martinville, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.75	10.27	10.70	10.84	11.31	10.65	10.50	10.49	10.52	10.34	10.07	10.30
2	10.73	10.24	10.66	10.78	11.38	10.64	10.77	10.47	10.59	10.37	10.04	10.48
3	10.57	10.22	10.58	11.23	11.53	10.64	10.57	10.47	10.41	10.43	10.02	10.73
4	10.43	10.18	10.63	11.31	11.58	10.63	10.52	10.46	10.39	10.49	10.03	10.66
5	10.44	11.16	10.56	11.28	11.53	10.63	10.47	10.46	10.39	10.48	10.02	10.58
6	10.43	11.38	10.52	11.28	11.45	10.62	10.44	10.47	10.37	10.63	9.98	10.51
7	10.40	11.35	10.49	11.31	11.83	10.57	10.41	10.46	10.36	10.91	9.98	10.46
8	10.36	11.59	10.46	11.21	11.55	10.45	10.44	10.44	10.35	10.93	9.96	10.95
9	10.31	11.34	10.44	11.11	11.41	10.44	10.39	10.42	10.33	10.87	9.93	11.07
10	10.27	11.23	10.44	11.00	11.30	10.45	10.34	10.41	10.31	10.72	9.93	11.01
11	10.26	11.10	10.43	10.92	11.21	10.45	10.36	10.44	10.24	10.58	9.90	10.87
12	10.31	10.91	10.44	10.94	11.11	10.46	10.46	10.43	10.25	10.49	9.92	10.85
13	10.56	10.65	10.47	10.97	11.04	10.45	11.00	10.40	10.27	10.45	9.90	10.90
14	10.77	10.44	10.47	10.97	10.97	10.44	10.78	10.42	10.31	10.42	9.93	10.72
15	10.87	10.39	10.49	10.98	10.99	10.44	10.90	10.45	10.31	10.40	9.93	10.66
16	10.89	10.39	10.48	11.00	11.01	10.43	10.79	10.44	10.32	10.37	10.08	10.63
17	10.76	10.39	10.49	10.96	10.95	10.41	10.74	10.41	10.41	10.34	10.23	10.55
18	10.64	10.37	10.50	10.90	10.88	10.38	10.70	10.39	10.70	10.33	10.25	10.46
19	10.54	10.35	10.56	11.11	10.88	10.38	10.68	10.37	10.68	10.31	10.25	10.38
20	10.46	10.34	10.64	11.64	10.83	10.37	10.66	10.35	10.60	10.30	10.24	10.37
21	10.40	10.53	10.63	11.47	10.81	10.36	10.65	10.33	10.50	10.26	10.22	10.42
22	10.37	10.48	10.61	11.43	10.81	10.32	10.66	10.37	10.47	10.24	10.19	10.43
23	10.33	10.45	10.60	11.39	10.77	10.31	10.63	10.36	10.51	10.21	10.16	10.42
24	10.35	10.40	10.72	11.59	10.74	10.32	10.59	10.43	10.50	10.18	10.13	10.38
25	10.39	10.42	11.17	11.66	10.70	10.40	10.55	10.44	10.49	10.20	10.11	10.39
26	10.41	10.55	11.30	11.74	10.68	10.57	10.52	10.42	10.48	10.17	10.11	10.39
27	10.41	10.72	11.25	11.68	10.67	10.94	10.50	10.37	10.47	10.50	10.14	10.35
28	10.39	10.77	11.20	11.63	10.66	10.82	10.50	10.32	10.46	10.61	10.18	10.32
29	10.35	10.75	11.10	11.57	-----	10.71	10.50	10.33	10.42	10.47	10.26	10.30
30	10.32	10.74	10.99	11.48	-----	10.61	10.50	10.35	10.39	10.25	10.39	10.26
31	10.31	-----	10.91	11.39	-----	10.53	-----	10.35	-----	10.13	10.31	-----
MAX	10.89	11.59	11.30	11.74	11.83	10.94	11.00	10.49	10.70	10.93	10.39	11.07
MIN	10.26	10.18	10.43	10.78	10.66	10.31	10.34	10.32	10.24	10.13	9.90	10.26

159

LOCATION.--Lat 30°14'35", long 91°53'05", in NE¼NW¼ lot 95, T.9 S., R.6 E., St. Martin Parish, near center of span on downstream side of bridge on State Highway 31, 1,200 ft (370 m) above control structure, 1,500 ft (460 m) downstream from point of diversion from Bayou Teche, 0.4 mi (0.6 km) northwest of Ruth, and 2.2 mi (3.5 km) south of Breaux Bridge.

PERIOD OF RECORD.--August 1959 to current year. Gage heights only May 1949 to June 1946 (fragmentary), January 1947 to September 1960 in reports of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (Corps of Engineers bench mark). Auxiliary water-stage recorder 150 ft (46 m) below control structure at same datum. Nov. 4, 1965, to July 11, 1973, auxiliary nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum daily discharge, 186 ft³/s (5.268 m³/s) June 27; minimum daily, 22 ft³/s (0.62 m³/s) Aug. 16, 23-27.
Period of record: Maximum daily discharge, 802 ft³/s (22.7 m³/s) Apr. 21, 1966; minimum daily, 18 ft³/s (0.51 m³/s) Sept. 3-5, Oct. 22 to Nov. 7, 1963, July 27-30, 1965, July 4-9, 1969, Oct. 20, 21, 1972.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29	24	29	30	37	29	173	184	175	183	142	24
2	29	23	28	30	37	29	156	183	179	184	153	25
3	27	23	28	34	40	29	163	184	181	182	158	29
4	26	23	28	36	40	28	168	185	181	177	163	28
5	26	33	27	36	39	28	176	185	180	180	168	27
6	26	38	27	36	38	28	182	185	177	160	169	26
7	25	37	26	36	42	26	179	185	172	157	169	25
8	25	39	26	35	39	110	177	183	170	156	168	32
9	24	37	26	34	38	174	184	182	165	155	170	34
10	24	36	26	32	37	175	181	181	172	155	170	32
11	24	34	26	31	36	175	176	173	179	159	171	31
12	24	31	26	32	34	178	174	178	181	164	172	32
13	27	28	26	32	33	182	152	182	182	172	171	31
14	30	26	26	32	32	182	150	176	181	175	162	29
15	31	25	26	32	32	180	151	176	181	177	165	28
16	31	25	27	33	33	180	151	176	183	177	22	28
17	29	25	27	32	32	183	156	175	186	177	23	26
18	28	25	27	31	31	180	163	177	170	179	23	26
19	27	25	27	33	31	179	167	177	166	182	23	25
20	26	25	28	39	31	182	170	176	168	182	23	25
21	25	27	28	38	31	182	172	174	172	181	23	25
22	25	26	28	38	31	185	174	171	178	181	23	25
23	24	26	28	38	30	182	176	176	174	180	22	25
24	24	26	29	39	29	181	179	178	175	180	22	25
25	25	26	34	40	29	177	180	181	182	180	22	25
26	25	28	36	41	29	177	180	178	185	179	22	25
27	25	29	36	40	29	166	181	177	186	132	22	25
28	25	30	35	40	29	160	181	179	185	117	23	24
29	24	30	34	40	-----	163	181	179	185	121	24	24
30	24	30	32	38	-----	169	182	179	184	127	24	24
31	24	-----	31	38	-----	173	-----	177	-----	136	24	-----
TOTAL	808	860	888	1,096	949	4,372	5,135	5,552	5,335	5,147	2,436	810
MEAN	26.1	28.7	28.6	35.4	33.9	141	171	179	178	166	91.5	27.0
MAX	31	39	36	41	42	185	184	185	186	184	172	34
MIN	24	23	26	30	29	26	150	171	165	117	22	24
AC-FT	1,600	1,710	1,760	2,170	1,880	8,670	10,190	11,010	10,580	10,210	5,630	1,610
CAL YR 1973	TOTAL	28,989	MEAN	79.4	MAX	262	MIN	21	AC-FT	57,500		
WTR YR 1974	TOTAL	33,788	MEAN	92.6	MAX	186	MIN	22	AC-FT	67,020		

MERMENTAU RIVER BASIN

08010000 Bayou des Cannes near Eunice, La.

LOCATION.--Lat 30°29'00", long 92°29'25", in SW¼SE¼ sec. 32, T.6 S., R.1 W., Louisiana meridian, Evangeline Parish, on left bank at downstream side of bridge on U.S. Highway 190, 3.0 mi (4.8 km) downstream from New Orleans, Texas and Mexico Railway Co. bridge, and 4.0 mi (6.4 km) west of Eunice.

DRAINAGE AREA.--131 mi² (339 km²).

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

GAGE.--Water-stage recorder. Datum of gage is 14.84 ft (4.523 m) above mean sea level (Louisiana Geodetic Survey bench mark; levels by Corps of Engineers). Prior to Jan. 17, 1940, nonrecording gage at same site and datum. Auxiliary water-stage recorder 1.8 mi (2.9 km) downstream from base gage. Datum of auxiliary gage is 13.70 ft (4.176 m) above mean sea level. See WSP 1732 for history of changes prior to Jan. 13, 1958.

AVERAGE DISCHARGE.--36 years, 266 ft³/s (7.533 m³/s), 27.57 in/yr (700 mm/yr), 192,700 acre-ft/yr (238 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 5,480 ft³/s (155 m³/s) Feb. 3, gage height, 18.75 ft (5.72 m); minimum daily, 4.2 ft³/s (0.12 m³/s) Sept. 30.

Period of record: Maximum discharge, 11,900 ft³/s (337 m³/s) May 20, 1953, gage height, 22.36 ft (6.82 m). No flow at times in 1939, 1948, 1955-56, 1964, 1971.

REMARKS.--Records poor. Small diversion above station. Records of water temperatures for the water year 1974 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1242: 1950(P).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	189	29	64	44	166	8.8	76	30	300	19	110	64
2	126	33	42	227	2,090	8.4	61	26	350	30	210	83
3	110	24	35	4,240	5,350	8.0	60	34	200	30	350	62
4	53	250	93	3,400	1,660	7.8	76	46	77	41	180	28
5	31	1,500	270	1,500	640	7.6	68	80	49	37	106	16
6												
7	20	3,330	114	800	250	7.5	60	84	31	34	86	10
8	17	1,420	55	600	1,100	7.3	50	44	28	100	115	7.0
9	14	2,720	32	350	600	7.3	45	34	21	400	104	200
10	12	2,240	27	200	300	7.5	40	33	7.8	300	85	1,400
11	10	1,010	23	150	150	7.8	40	50	39	200	82	1,200
12												
13	200	359	20	3,000	78	8.5	45	500	60	130	62	2,000
14	1,340	123	24	3,800	53	10	50	750	33	105	41	2,300
15	1,320	88	22	1,200	41	12	200	300	25	77	40	2,300
16	1,030	52	16	450	33	20	700	110	320	93	100	1,400
17	1,280	38	14	600	84	16	1,300	58	160	180	110	560
18												
19	808	30	11	340	500	10	1,100	40	118	120	86	200
20	351	24	8.4	200	220	9.0	350	25	78	100	71	108
21	283	19	50	130	104	7.5	80	17	88	89	53	48
22	101	23	1,310	800	56	4.8	64	12	180	113	51	28
23	60	23	726	4,900	61	4.6	54	8.6	100	89	50	20
24												
25	43	104	265	3,500	51	10	47	6.9	54	63	42	21
26	29	117	76	1,000	36	22	43	67	40	44	37	19
27	21	102	135	530	30	35	39	58	57	61	33	13
28	17	203	3,360	1,080	20	28	36	45	650	72	23	8.0
29	14	1,010	2,850	1,930	16	58	33	36	300	170	22	7.5
30												
31	11	1,440	1,190	3,870	13	200	31	32	100	120	27	7.8
32	9.2	643	479	3,550	10	1,250	29	44	58	150	39	6.5
33	7.2	689	193	1,920	9.5	1,120	27	13	34	200	200	5.8
34	6.0	355	112	1,680	-----	550	30	18	24	108	600	5.2
35	5.0	114	68	482	-----	160	40	13	18	101	250	4.2
36	16	-----	54	202	-----	104	-----	22	-----	150	130	-----
TOTAL	7,533.4	18,112	11,738.4	46,675	13,721.5	3,717.4	4,874	2,636.5	3,599.8	3,526	3,500	12,132.0
MFAN	243	604	379	1,506	490	120	162	85.0	120	114	113	404
MAX	1,340	3,330	3,360	4,900	5,350	1,250	1,300	750	650	400	600	2,300
MIN	5.0	19	8.4	44	9.5	4.6	27	6.9	7.8	19	22	4.2
CFSM	1.86	4.61	2.89	11.5	3.74	.92	1.24	.65	.92	.87	.86	3.08
IN.	2.14	5.14	3.33	13.25	3.90	1.06	1.38	.75	1.02	1.00	.99	3.45
AC-FT	14,940	35,430	23,280	92,580	27,220	7,370	9,670	5,230	7,140	6,990	5,940	24,060
CAL YR 1973	TOTAL 182,398.8	MEAN 500	MAX 6,030	MIN 5.0	CFSM 3.82	IN 51.80	AC-FT 361,800					
WTR YR 1974	TOTAL 131,766.0	MEAN 361	MAX 5,350	MIN 4.2	CFSM 2.76	IN 37.42	AC-FT 261,400					

MERMENTAU RIVER BASIN

161

08011500 Boggy Bayou near Pine Prairie, La.

LOCATION.--Lat 30°47'10", long 92°28'30", in NW¼NE¼ sec.21, T.3 S., R.1 W., Louisiana meridian, Evangeline Parish, near right bank on downstream side of bridge on State Highway 106, 2.8 mi (4.5 km) upstream from Beaver Creek, and 3.0 mi (4.8 km) west of Pine Prairie.

DRAINAGE AREA.--51.3 mi² (132.9 km²).

PERIOD OF RECORD.--September 1948 to December 1951 (published as Cypress Creek near Pine Prairie), and occasional low-flow measurements, water years 1956, 1960, 1962-65. November 1965 to current year.

GAGE.--Water-stage recorder. Datum of gage is 61.53 ft (18.693 m) above mean sea level. Jan. 28, 1952, to Oct. 14, 1958, and Aug. 2, 1961, to Nov. 9, 1965, 1960, 1962-65. November 1965 to current year.

AVERAGE DISCHARGE.--11 years (1948-51, 1966-74), 83.3 ft³/s (2.359 m³/s), 22.05 in/yr (566 mm/yr), 60,350 acre-ft/yr (74.4 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 1,770 ft³/s (50.1 m³/s) Jan. 20 (gage height, 13.71 ft or 4.179 m); no flow July 18-20, 22-26.

Period of record: Maximum discharge, 17,400 ft³/s (493 m³/s) Apr. 23, 1965 (gage height, 18.78 ft or 5.724 m), from rating curve extended above 6,560 ft³/s (186 m³/s) on basis of contracted-opening and flow-over-road measurements of peak flow; no flow at times most years.

REMARKS.--Records good. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	180	4.0	107	89	66	6.4	15	.63	387	.27	69	4.1
2	45	4.3	88	54	266	6.8	9.8	.56	77	.19	83	4.1
3	27	4.3	73	351	331	6.0	6.0	.45	45	.13	63	19
4	19	3.7	112	574	164	4.8	3.6	.33	23	.10	20	19
5	12	221	163	347	64	4.1	2.2	.29	9.6	.09	15	9.2
6	7.8	298	104	249	114	3.3	1.6	.23	5.0	158	15	5.0
7	5.4	145	57	283	489	2.8	1.1	.19	2.9	417	8.3	2.9
8	3.9	450	40	158	424	2.4	1.0	.13	1.9	210	4.7	43
9	2.8	816	33	93	248	2.0	5.0	.10	1.3	138	3.4	150
10	2.0	509	29	71	78	1.7	3.8	.10	2.5	56	8.1	142
11	8.7	131	26	431	34	1.6	1.9	213	20	21	6.8	71
12	295	58	24	860	23	1.3	43	208	19	11	4.1	40
13	172	43	21	1,100	18	1.7	880	56	8.1	6.2	2.9	28
14	208	40	15	767	15	1.3	1,340	23	4.2	3.4	13	33
15	498	37	8.7	287	18	1.1	1,130	10	2.1	2.0	21	34
16	547	31	6.0	115	99	.95	661	6.0	1.3	1.3	15	21
17	363	28	4.7	79	104	.80	317	3.4	.95	.90	7.5	11
18	154	27	3.9	59	57	.70	52	2.1	1.8	.63	3.9	4.7
19	52	25	53	212	33	.63	17	2.1	34	.42	8.8	2.7
20	24	25	461	1,300	63	.63	9.6	5.2	11	.42	13	1.7
21	15	30	318	1,260	85	12	6.6	6.4	4.4	.95	8.1	1.2
22	9.7	75	180	679	47	9.4	4.8	6.4	1.9	.66	4.4	.80
23	7.1	64	80	284	36	6.2	4.1	33	1.1	.45	4.8	.59
24	5.4	42	330	324	26	3.6	3.3	29	7.3	.29	3.0	.49
25	4.3	134	893	456	16	5.3	2.8	14	16	.21	1.9	.52
26	3.3	257	1,050	761	10	12	2.2	7.5	4.8	.15	1.8	.56
27	2.6	354	701	1,170	9.4	204	1.7	4.7	1.7	1.5	3.6	.38
28	1.9	649	366	1,220	8.7	197	1.3	3.2	.95	2.6	9.8	.29
29	1.4	597	115	1,300	-----	77	1.0	2.2	.59	3.3	16	.23
30	1.3	356	60	739	-----	35	.80	1.4	.42	2.3	9.2	.19
31	2.3	-----	76	317	-----	19	-----	33	-----	12	5.3	-----
TOTAL	2,680.9	5,458.3	5,598.3	15,989	2,946.1	631.51	4,529.20	672.61	696.81	1,051.46	453.4	650.65
MEAN	86.5	182	181	516	105	20.4	151	21.7	23.2	33.9	14.6	21.7
MAX	547	816	1,050	1,300	489	204	1,340	213	387	417	83	150
MIN	1.3	3.7	3.9	54	8.7	.63	.80	.10	.42	.09	1.8	.19
CFSM	1.69	3.55	3.53	10.1	2.05	.40	2.94	.42	.45	.66	.28	.42
IN.	1.49	3.96	4.06	11.59	2.14	.46	3.28	.49	.51	.76	.33	.47
AC-FT	5,320	10,830	11,100	31,710	5,840	1,250	8,980	1,330	1,380	2,090	899	1,290
CAL YR 1973	TOTAL 63,892.10	MEAN 175	MAX 5,180	MIN .45	CFSM 3.41	IN 46.32	AC-FT 126,700					
WTR YR 1974	TOTAL 41,358.24	MEAN 113	MAX 1,340	MIN .09	CFSM 2.20	IN 29.98	AC-FT 82,030					

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-26	0330	12.70	1,140	1-29	0130	13.46	1,510
1-13	1200	12.96	1,230	4-14	0245	13.39	1,450
1-20	1900	13.71	1,770				

MERMENTAU RIVER BASIN

08011500 Boggy Bayou near Pine Prairie, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.93	2.82	5.66	5.33	4.88	2.93	3.32	2.42	8.95	2.26	4.93	2.73
2	4.41	2.84	5.32	4.60	7.78	2.95	3.11	2.40	5.09	2.22	5.20	2.72
3	3.87	2.84	5.02	8.63	8.44	2.91	2.91	2.37	4.36	2.19	4.74	3.38
4	3.58	2.80	5.74	10.36	6.54	2.84	2.75	2.33	3.58	2.17	3.47	3.44
5	3.28	7.44	6.53	8.59	4.84	2.79	2.63	2.31	3.04	2.16	3.27	3.02
6	3.06	8.28	5.60	7.59	5.77	2.73	2.55	2.28	2.79	5.05	3.27	2.79
7	2.92	6.39	4.67	7.96	9.78	2.69	2.48	2.26	2.64	9.21	2.97	2.64
8	2.81	9.63	4.19	6.46	9.28	2.65	2.46	2.23	2.54	7.08	2.77	3.87
9	2.72	11.79	3.97	5.42	7.58	2.61	2.85	2.21	2.46	6.17	2.68	6.34
10	2.65	10.08	3.83	4.98	5.12	2.57	2.77	2.21	2.60	4.60	2.94	6.22
11	3.11	6.18	3.74	9.33	4.00	2.55	2.60	7.18	3.48	3.56	2.88	4.95
12	8.25	4.72	3.66	11.76	3.64	2.52	4.29	7.11	3.44	3.14	2.72	4.19
13	6.81	4.31	3.56	12.60	3.44	2.57	11.84	4.65	2.96	2.91	2.64	3.79
14	7.28	4.21	3.33	11.36	3.32	2.51	13.21	3.63	2.74	2.74	3.16	3.98
15	10.00	4.10	3.05	8.00	3.46	2.48	12.69	3.11	2.56	2.61	3.51	4.01
16	10.34	3.89	2.91	5.79	5.52	2.45	10.83	2.88	2.46	2.52	3.29	3.58
17	8.91	3.80	2.83	5.14	5.60	2.42	8.30	2.71	2.39	2.44	2.93	3.14
18	6.53	3.75	2.78	4.73	4.67	2.40	4.55	2.59	2.56	2.38	2.72	2.83
19	4.60	3.71	4.57	7.16	3.95	2.38	3.46	2.59	4.00	2.32	2.96	2.68
20	3.78	3.69	9.56	13.14	4.82	2.38	3.14	2.83	3.15	2.30	3.19	2.57
21	3.39	3.86	8.31	13.06	5.25	3.19	2.98	2.90	2.81	2.45	2.95	2.49
22	3.16	5.06	6.76	10.92	4.43	3.09	2.88	2.90	2.60	2.39	2.75	2.42
23	3.02	4.84	5.15	7.97	4.07	2.92	2.83	3.95	2.48	2.33	2.78	2.37
24	2.92	4.26	8.43	8.37	3.73	2.75	2.77	3.84	2.98	2.27	2.64	2.34
25	2.84	5.12	11.89	9.52	3.36	2.87	2.73	3.26	3.38	2.23	2.53	2.35
26	2.77	7.68	12.44	11.33	3.14	3.20	2.67	2.96	2.84	2.20	2.52	2.36
27	2.71	8.65	11.03	12.82	3.09	7.06	2.61	2.80	2.57	2.53	2.67	2.31
28	2.64	10.77	8.76	12.95	3.05	6.98	2.55	2.69	2.45	2.67	3.04	2.27
29	2.59	10.51	5.80	13.14	-----	5.10	2.50	2.60	2.37	2.73	3.31	2.24
30	2.57	8.67	4.74	11.22	-----	4.02	2.46	2.50	2.31	2.64	3.02	2.22
31	2.68	-----	5.08	8.30	-----	3.48	-----	3.93	-----	2.99	2.81	-----
MAX	10.34	11.79	12.44	13.14	9.78	7.06	13.21	7.18	8.95	9.21	5.20	6.34
MIN	2.57	2.80	2.78	4.60	3.05	2.38	2.46	2.21	2.31	2.16	2.52	2.22

LOCATION. --Lat 30°28'50", long 92°37'55", in NE¼ sec. 1, T.7 S., R.3 W., Evangeline Parish, near left bank on downstream side of bridge on U.S. Highway 190, 1,300 ft (400 m) downstream from New Orleans, Texas and Mexico Railway Co. bridge, and 2.0 mi (3.2 km) west of Basile.

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

GAGE.--Water-stage recorder. Datum of gage is 3.39 ft (1.033m) above mean sea level. Prior to July 17, 1947, nonrecording gage, at same site and datum. Since Apr. 10, 1945, auxiliary nonrecording gage 7.5 mi (12.1 km) downstream from base gage. Datum of auxiliary gage is 1.03 ft (0.314 m) below mean sea level (Louisiana Geodetic Survey bench mark).

EXTREMES.--Current year: Maximum discharge, 7,320 ft³/s (207 m³/s) June 3, gage height, 23.76 ft (7.242 m); minimum, 20 ft³/s (0.57 m³/s) Sept. 30, gage height, 1.99 ft (0.607 m).
Period of record: Maximum discharge, 35,800 ft³/s (1,010 m³/s) May 20, 1953, gage height, 34.39 ft (10.48 m); minimum discharge, 0.1 ft³/s (0.003 m³/s) June 7-31, 1943, June 22-29, 1948; minimum gage height, 1.00 ft (0.0305 m) June 28, 1948.

REVISIONS (WATER YEARS).--WSP 1512: 1945-55.

	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,020	97	1,760	1,750	4,890	60	755	75	3,930	111	231	468
2	991	114	1,420	1,520	4,810	58	557	59	6,850	144	314	273
3	1,000	97	1,260	1,470	5,200	45	459	50	7,100	146	594	152
4	701	97	1,420	2,340	5,160	39	352	47	6,220	128	653	105
5	458	1,140	1,800	2,930	4,610	35	263	58	4,990	119	626	82
6	344	2,250	1,720	2,860	3,910	33	211	108	4,090	127	445	68
7	179	2,430	1,250	2,820	3,540	32	157	92	2,590	327	330	80
8	117	3,520	723	2,920	3,340	29	121	64	2,220	1,330	283	438
9	89	5,700	445	2,690	3,090	29	107	50	1,010	2,060	265	1,720
10	84	6,200	266	2,220	2,450	35	111	49	884	2,380	236	2,470
11	97	5,950	185	2,250	1,810	54	113	1,660	1,780	2,070	191	2,480
12	1,250	5,080	155	3,630	1,360	48	116	2,280	1,410	1,550	159	2,130
13	2,500	4,220	146	4,600	858	48	369	2,790	768	876	168	1,500
14	3,470	3,500	136	4,570	401	66	1,560	2,350	1,090	462	540	818
15	4,590	2,740	121	4,220	470	64	2,270	1,840	1,910	427	891	469
16	4,940	1,960	112	4,050	926	51	2,490	914	1,710	532	765	350
17	4,920	1,140	101	3,290	1,360	49	2,300	337	887	530	509	241
18	4,530	440	92	3,220	1,260	43	2,060	164	700	455	317	179
19	3,930	193	224	2,610	774	36	1,980	165	622	372	205	140
20	3,270	163	1,340	4,420	634	48	1,930	103	657	279	172	108
21	2,580	230	2,140	5,710	460	130	1,830	157	502	217	161	87
22	1,860	488	2,160	6,010	370	270	1,600	753	309	187	144	73
23	1,060	522	1,800	5,380	330	263	1,060	1,410	227	200	128	64
24	368	455	1,760	4,780	240	216	419	1,260	919	194	106	58
25	137	741	2,570	4,700	161	191	205	728	1,130	199	88	56
26	123	1,640	3,500	5,260	117	291	110	386	789	214	77	49
27	93	2,080	3,760	5,980	87	1,000	74	225	470	224	70	34
28	66	2,230	3,600	6,170	70	2,000	62	164	264	217	82	34
29	43	2,420	3,080	6,420	-----	2,170	72	167	176	208	358	34
30	34	2,270	2,510	6,120	-----	1,730	86	133	130	190	676	24
31	72	-----	2,050	5,550	-----	1,270	-----	227	-----	200	655	-----
TOTAL	44,916	60,108	43,606	122,460	52,688	10,433	23,799	18,865	56,334	16,675	10,439	14,784
MEAN	1,449	2,004	1,407	3,950	1,882	337	793	609	1,878	538	337	493
MAX	4,940	6,200	3,760	6,420	5,200	2,170	2,490	2,790	7,100	2,380	891	2,480
MIN	34	97	92	1,470	70	29	62	47	130	111	70	24
AC=FT												

MERMENTAU RIVER BASIN

08012000 Bayou Nezpique near Basile, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.98	3.66	16.43	16.98	22.04	2.96	11.46	3.26	19.33	3.90	5.72	8.15
2	11.74	3.95	15.07	15.75	22.05	2.91	9.07	2.94	22.73	4.43	6.63	6.19
3	11.74	3.66	13.93	15.77	22.27	2.63	8.09	2.76	23.67	4.47	9.18	4.56
4	10.06	3.60	14.08	17.69	22.23	2.48	7.07	2.70	23.17	4.19	9.62	3.80
5	8.11	11.81	15.42	18.95	21.78	2.37	6.10	2.90	22.12	4.04	9.42	3.41
6	6.96	16.65	15.46	19.13	21.10	2.33	5.46	3.85	21.20	4.16	7.96	3.11
7	5.09	18.09	13.86	19.24	20.61	2.31	4.65	3.58	20.18	6.59	6.83	3.36
8	3.98	19.37	11.12	19.39	20.25	2.23	4.05	3.03	18.48	12.93	6.32	6.99
9	3.54	21.95	8.18	19.12	19.82	2.23	3.84	2.75	15.14	16.13	6.12	14.69
10	3.44	22.95	6.12	18.45	18.86	2.38	3.90	2.70	13.06	17.10	5.78	17.14
11	3.65	22.90	5.10	18.26	17.44	2.85	3.93	14.55	15.50	16.94	5.17	17.63
12	12.33	22.22	4.63	20.08	15.74	2.71	3.99	16.80	14.51	15.49	4.69	17.03
13	17.33	21.42	4.48	21.34	13.16	2.70	6.77	18.24	11.53	12.50	4.84	15.44
14	19.39	20.57	4.31	21.60	9.43	3.09	14.05	17.57	11.88	8.99	8.62	12.58
15	20.99	19.51	4.08	21.37	8.08	3.04	16.55	16.67	15.44	8.79	10.96	9.31
16	21.78	18.02	3.91	20.84	11.73	2.77	17.44	13.40	15.15	8.75	10.27	7.10
17	21.98	15.31	3.74	20.25	13.25	2.73	17.37	8.63	12.09	8.69	8.50	5.83
18	21.67	11.06	3.59	19.57	13.20	2.57	16.86	5.19	10.10	8.07	6.69	5.01
19	21.06	7.48	5.27	19.42	11.10	2.39	16.53	3.76	9.39	7.27	5.37	4.38
20	20.25	5.37	13.05	21.30	9.48	2.69	16.31	4.61	9.65	6.27	4.91	3.85
21	19.19	5.64	16.37	22.57	8.11	4.16	15.99	5.83	8.45	5.54	4.74	3.50
22	17.71	8.36	16.83	22.94	7.24	6.17	15.24	10.07	6.59	5.12	4.46	3.22
23	14.99	8.67	16.11	22.51	6.82	6.10	12.86	13.45	5.65	5.31	4.18	3.05
24	10.52	8.08	16.13	21.97	5.81	5.53	8.43	13.15	10.98	5.23	3.81	2.91
25	6.82	9.94	17.97	21.87	4.73	5.18	5.35	10.49	12.11	5.30	3.50	2.88
26	4.56	14.41	19.59	22.32	4.00	6.31	3.89	7.37	10.46	5.51	3.30	2.73
27	3.60	16.18	20.27	22.90	3.50	11.82	3.23	5.63	8.16	5.63	3.16	2.36
28	3.08	16.92	20.34	23.07	3.16	15.71	3.00	4.83	6.09	5.54	3.41	2.35
29	2.57	17.58	19.84	23.25	-----	16.60	3.21	4.27	4.96	5.42	7.03	2.36
30	2.34	17.52	18.99	23.06	-----	15.72	3.48	3.76	4.21	5.17	9.75	2.11
31	3.20	-----	18.00	22.61	-----	14.13	-----	4.77	-----	5.31	9.66	-----
MAX	21.98	22.96	20.34	23.25	22.27	16.60	17.44	18.24	23.67	17.10	10.96	17.63
MIN	2.34	3.60	3.59	15.75	3.16	2.23	3.00	2.70	4.21	3.90	3.16	2.11

MERMENTAU RIVER BASIN

165

08012020 Bayou Nezpique at Mamou pumping plant, near Basile, La.

LOCATION.--Lat 30°25'10", long 92°35'40", in lot 19, T.7 S., R.2 W., Louisiana meridian, Acadia-Jefferson Parish line, at Mamou pumping station at head of Mamou Canal, 4.5 mi (7.2 km) south of Basile, and 7.5 mi (12.1 km) downstream from gaging station Bayou Nezpique near Basile (sta 08012000).

DRAINAGE AREA.--542 mi² (1,404 km²).

PERIOD OF RECORD.--October 1973 to current year (gage heights only). Unpublished records March 1945 to September 1973 on file in Baton Rouge district office.

GAGE.--Nonrecording gage read twice daily. Datum of gage is 1.03 ft (0.314 m) below mean sea level (Louisiana Geodetic Survey bench mark).

EXTREMES.--Current year: Maximum daily gage height, 21.61 ft (6.587 m) June 4; minimum daily, 3.00 ft (0.914 m) Sept. 30.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.27	3.80	16.02	17.14	21.01	3.38	12.34	3.38	12.83	3.17	4.17	7.74
2	10.96	3.91	14.99	16.08	21.17	3.33	9.93	3.44	19.42	3.13	4.91	6.18
3	10.89	3.79	13.83	16.08	21.04	3.37	8.08	3.37	21.57	3.41	7.25	4.39
4	10.21	3.64	13.15	16.39	21.02	3.42	6.39	3.33	21.61	3.27	8.32	3.72
5	8.19	8.15	13.67	17.31	20.82	3.36	5.43	4.42	21.08	3.14	8.53	3.52
6	6.76	13.41	14.20	18.10	20.44	3.39	4.75	3.19	20.48	3.37	7.17	3.36
7	5.31	15.61	13.72	18.44	20.12	3.36	4.39	3.29	19.83	4.84	6.82	3.12
8	4.31	16.91	11.92	18.52	19.62	3.35	3.90	3.25	18.81	9.80	5.64	6.03
9	4.00	19.25	9.60	18.52	19.17	3.28	3.48	3.06	17.23	13.10	4.85	12.25
10	3.96	21.16	6.21	18.19	18.68	3.25	3.58	3.07	14.39	14.69	5.04	14.53
11	4.00	21.41	4.61	17.97	17.81	3.10	3.79	9.72	14.17	15.44	4.58	15.76
12	9.57	21.11	4.04	18.52	16.51	3.12	3.95	13.90	14.08	15.19	3.86	15.71
13	14.02	20.65	3.90	19.70	14.70	2.82	5.20	15.89	12.37	13.47	3.79	15.48
14	16.99	20.08	3.73	20.45	12.00	2.78	11.26	16.69	10.41	10.76	6.74	13.95
15	18.71	19.36	3.66	20.52	9.49	2.96	13.71	16.39	12.60	7.70	9.37	11.23
16	20.21	18.47	3.60	20.19	11.51	2.94	15.25	14.87	13.78	7.34	9.79	8.48
17	20.77	16.86	3.43	19.74	12.18	3.00	15.89	11.49	12.51	7.73	8.41	6.08
18	20.69	13.94	3.24	19.20	12.51	3.10	15.85	7.27	10.18	7.53	7.25	4.99
19	20.37	10.94	4.10	19.52	11.47	3.05	15.48	4.01	8.58	6.27	5.07	4.21
20	19.82	7.63	10.92	19.99	9.30	2.92	15.21	3.54	8.26	5.66	4.27	4.04
21	19.06	5.28	13.76	20.94	8.16	3.04	14.97	4.39	7.68	5.01	4.11	3.95
22	18.17	6.74	15.01	21.42	6.80	4.22	14.54	7.89	5.82	4.03	3.86	3.56
23	16.69	7.79	15.12	21.35	6.19	4.93	12.92	11.00	4.54	4.05	3.72	3.38
24	13.69	7.53	15.34	20.99	5.47	4.62	10.44	12.14	8.51	4.04	3.56	3.33
25	10.52	8.10	16.20	20.89	4.43	4.38	6.19	10.81	10.69	4.10	3.39	3.44
26	6.76	11.49	17.36	21.07	3.85	4.62	3.88	7.90	10.07	4.14	3.37	3.50
27	4.30	13.82	18.64	21.35	3.58	11.20	3.52	5.59	8.10	4.54	3.39	3.33
28	3.84	14.92	19.25	21.51	3.46	13.17	3.50	4.59	5.62	4.66	3.57	3.34
29	3.63	15.72	19.25	21.59	-----	14.76	3.44	4.37	4.44	4.07	4.77	3.26
30	3.56	16.26	18.78	21.56	-----	14.91	3.46	4.12	3.88	4.10	7.99	3.00
31	3.97	-----	18.07	21.32	-----	14.07	-----	4.18	-----	4.25	9.87	-----
MAX	20.77	21.41	19.25	21.59	21.17	14.91	15.89	16.69	21.61	15.44	9.87	15.76
MIN	3.56	3.64	3.24	16.08	3.46	2.78	3.44	3.06	3.88	3.13	3.37	3.00

08013000 Calcasieu River near Glenmora, La.

LOCATION.--Lat 30°59'45", long 92°40'25", in SE¼SE¼ sec.4, T.1 S., R.3 W., Louisiana meridian, Rapides Parish, on right bank on downstream side of bridge on State Highway 113, 1.0 mi (1.6 km) upstream from Prairie Branch, and 4.6 mi (7.4 km) northwest of Glenmora.

DRAINAGE AREA.--499 mi² (1,292 km²).

PERIOD OF RECORD.--August 1943 to current year.

GAGE.--Water-stage recorder. Datum of gage is 110.77 ft (33.763 m) above mean sea level (Louisiana Geodetic Survey bench mark). Prior to Nov. 19, 1949, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--31 years, 710 ft³/s (20.10 m³/s), 19.32 in/yr (491 mm/yr), 514,400 acre-ft/yr (634 hm³/yr).

EXTREMES.--Current year: Maximum discharge, about 8,200 ft³/s (232 m³/s) Jan. 29 (gage height, unknown), minimum discharge, 33 ft³/s (0.93 m³/s) Aug. 27, 28; minimum gage height, 4.60 ft (1.402 m) Aug. 28.
Period of record: Maximum discharge, 59,900 ft³/s (1,696 m³/s) May 19, 1953 (gage height, 21.55 ft or 6.568 m); minimum, 15 ft³/s (0.42 m³/s) Sept. 27, 28, Oct. 7-9, 1954, Oct. 18, 1956; minimum gage height, 3.86 ft (1.176 m) Oct. 18, 1956.

REMARKS.--Records good. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

REVISION (WATER YEARS).--WSP 1118: 1944-47.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	130	152	1,140	5,380	3,570	416	1,460	108	314	44	41	37
2	172	154	1,030	4,420	3,150	365	1,420	106	255	43	43	46
3	176	190	788	3,380	2,580	336	905	104	167	43	53	69
4	150	230	600	3,400	2,010	314	489	101	142	42	60	114
5	132	234	557	3,620	1,480	296	346	102	127	40	97	123
6	138	218	674	3,840	1,070	276	273	98	128	42	88	101
7	132	288	880	3,450	885	257	228	92	114	42	68	86
8	116	390	1,100	3,030	724	236	185	96	100	45	57	93
9	102	475	1,340	2,580	659	217	156	139	90	55	51	150
10	94	478	1,590	2,130	704	202	139	147	86	72	47	424
11	89	534	1,580	1,720	860	192	128	160	96	65	44	452
12	95	600	975	1,700	1,070	189	464	325	92	54	41	494
13	173	534	517	2,500	1,110	304	2,020	480	81	50	43	528
14	736	362	371	4,000	832	493	2,260	545	71	52	46	525
15	1,040	237	308	6,000	768	545	1,930	537	66	47	41	446
16	1,360	179	271	5,000	1,330	520	1,400	473	64	48	42	270
17	1,940	156	231	2,500	1,440	381	1,130	360	66	53	75	148
18	2,430	141	740	1,400	1,500	265	970	208	68	53	113	109
19	2,430	131	2,420	1,420	1,570	207	598	134	85	64	123	91
20	2,250	133	2,860	3,150	1,740	181	340	114	83	81	82	79
21	1,980	167	3,300	4,120	1,820	173	229	113	68	73	59	70
22	1,690	197	3,890	7,400	1,650	176	181	1,270	60	62	47	63
23	1,140	362	3,470	6,800	1,400	183	169	720	56	54	41	56
24	534	438	2,920	4,620	1,420	202	180	509	53	48	37	52
25	312	1,300	2,390	3,860	1,340	201	199	486	51	44	35	45
26	221	828	1,850	3,950	1,010	241	188	409	49	44	34	43
27	176	925	1,330	3,920	708	552	151	296	47	43	33	41
28	153	1,090	1,310	6,300	518	796	130	201	46	43	35	39
29	137	1,300	1,590	7,600	-----	1,060	119	185	45	42	38	37
30	125	1,230	1,700	5,650	-----	1,280	113	221	45	41	40	35
31	135	-----	2,650	4,520	-----	1,390	-----	240	-----	42	39	-----
TOTAL	20,488	13,653	46,372	123,360	38,918	12,446	18,500	9,079	2,815	1,571	1,693	4,866
MEAN	661	455	1,496	3,979	1,390	401	617	293	93.8	50.7	54.6	162
MAX	2,430	1,300	3,890	7,600	3,570	1,390	2,260	1,270	314	81	123	528
MIN	89	131	231	1,400	518	173	113	92	45	40	33	35
CFSM	1.32	.91	3.00	7.97	2.79	.80	1.24	.59	.19	.10	.11	.32
IN.	1.53	1.02	3.46	9.20	2.90	.93	1.38	.68	.21	.12	.13	.36
AC-FT	40,640	27,080	91,980	244,700	77,190	24,690	36,690	18,010	5,580	3,120	3,360	9,650
CAL YR 1973	TOTAL 499,251	MEAN 1,368	MAX 17,700	MIN 51	CFSM 2.74	IN 37.22	AC-FT 990,300					
WTR YR 1974	TOTAL 293,761	MEAN 805	MAX 7,600	MIN 33	CFSM 1.61	IN 21.90	AC-FT 582,700					

PEAK DISCHARGE (BASE, 4,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1- 1	0945	14.16	5,610	1-22	unknown	unknown	about 8,000
1-15	unknown	unknown	about 6,500	1-29	unknown	unknown	about 8,200

CALCASIEU RIVER BASIN

167

08013000 Calcasieu River near Glenmora, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.24	6.87	11.58	14.10	13.52	9.19	12.02	6.11	8.46	4.83	4.78	4.69
2	6.75	6.90	11.39	13.82	13.34	8.83	11.97	6.08	7.97	4.81	4.82	4.86
3	6.80	7.39	10.87	13.44	13.02	8.61	11.11	6.04	7.08	4.79	5.02	5.34
4	6.49	7.76	10.32	13.45	12.60	8.44	9.63	5.98	6.72	4.78	5.15	6.17
5	6.26	7.79	10.11	13.54	12.05	8.30	8.69	6.00	6.46	4.71	5.90	6.39
6	6.34	7.66	10.58	13.62	11.47	8.14	8.12	5.92	6.48	4.80	5.71	5.97
7	6.26	8.24	11.10	13.47	11.11	7.98	7.74	5.79	6.24	4.79	5.32	5.67
8	6.04	9.01	11.51	13.28	10.71	7.81	7.33	5.86	5.95	4.85	5.10	5.81
9	5.79	9.60	11.87	13.02	10.53	7.65	6.93	6.65	5.75	5.06	4.96	6.80
10	5.61	9.62	12.18	12.70	10.66	7.51	6.66	6.80	5.67	5.40	4.90	9.23
11	5.51	9.97	12.17	12.32	11.05	7.41	6.48	6.98	5.88	5.26	4.83	9.45
12	5.63	10.32	11.29	--	11.46	7.38	8.18	8.52	6.01	5.03	4.78	9.71
13	6.65	9.97	9.86	--	11.53	8.36	12.61	9.62	5.76	4.95	4.81	9.93
14	10.68	8.81	8.87	--	10.98	9.71	12.80	10.04	5.54	5.00	4.87	9.91
15	11.42	7.82	8.41	--	10.82	10.04	12.53	9.99	5.42	4.90	4.77	9.41
16	11.89	7.25	8.10	--	11.85	9.88	11.95	9.59	5.36	4.90	4.79	8.09
17	12.53	6.93	7.77	--	12.00	8.94	11.56	8.79	5.40	5.01	5.46	6.80
18	12.92	6.70	10.75	--	12.07	8.05	11.27	7.56	5.47	5.01	6.20	6.14
19	12.92	6.54	12.91	11.98	12.15	7.56	10.26	6.58	5.86	5.24	6.38	5.78
20	12.79	6.56	13.19	13.34	12.34	7.28	8.64	6.24	5.81	5.58	5.59	5.53
21	12.57	7.08	13.41	13.72	12.42	7.17	7.75	6.20	5.47	5.42	5.13	5.35
22	12.29	7.46	13.64	--	12.24	7.21	7.27	11.28	5.26	5.19	4.89	5.22
23	11.59	8.81	13.48	--	11.95	7.30	7.12	10.61	5.16	5.04	4.77	5.07
24	9.97	9.35	13.22	13.88	11.98	7.51	7.26	9.80	5.09	4.91	4.70	--
25	8.44	11.81	12.89	13.63	11.87	7.50	7.48	9.67	5.03	4.83	4.66	--
26	7.68	10.97	12.45	13.66	11.35	7.85	7.36	9.13	4.97	4.84	4.63	--
27	7.21	11.19	11.86	13.65	10.67	10.08	6.86	8.31	4.92	4.81	4.61	--
28	6.88	11.50	11.83	--	9.87	10.89	6.52	7.49	4.90	4.81	4.64	--
29	6.63	11.82	12.18	--	-----	11.45	6.34	7.33	4.87	4.80	4.70	--
30	6.44	11.71	12.30	14.17	-----	11.79	6.22	7.68	4.85	4.77	4.75	--
31	6.60	-----	13.06	13.85	-----	11.94	-----	7.84	-----	4.79	4.72	-----
MAX	12.92	11.82	13.64	--	13.52	11.94	12.80	11.28	8.46	5.58	6.38	9.95
MIN	5.51	6.54	7.77	--	9.87	7.17	6.22	5.79	4.85	4.71	4.61	--

08013500 Calcasieu River near Oberlin, La.

LOCATION.--Lat 30°38'25", long 92°48'50", in NW¼NE¼ sec.7, T.5 S., R.4 W., Allen Parish, near right bank on downstream side of bridge on State Highway 26, 3.0 mi (4.8 km) northwest of Oberlin, and 15 mi (24 km) upstream from Whisky Chitto Creek.

DRAINAGE AREA.--753 mi² (1,950 km²).

PERIOD OF RECORD.--August 1922 to January 1925, September 1938 to current year.

GAGE.--Water-stage recorder. Datum of gage is 39.43 ft (12.018 m) above mean sea level (Louisiana Geodetic Survey bench mark). September 1938 to August 17, 1939, nonrecording gage at same site. Prior to February 1925 at datum 2.5 ft (0.762 m) higher.

AVERAGE DISCHARGE.--38 years, (1922-24, 1938-74), 1,381 ft³/s (39.10 m³/s), 20.61 in/yr (523 mm/yr), 828,000 acre-ft/yr (1.02 km³/yr).

EXTREMES.--Current year: Maximum discharge, 11,000 ft³/s (311 m³/s) Jan. 30 (gage height, 17.82 ft or 5.431 m); minimum, 79 ft³/s (2.24 m³/s) Sept. 4, 5 (gage height, 1.92 ft or 0.585 m).

Period of record: Maximum discharge, 72,800 ft³/s (2,060 m³/s) May 19, 1953 (gage height, 26.53 ft or 8.086 m); minimum, 30 ft³/s (0.85 m³/s) Sept. 28, 29, Oct. 17-19, 1956; minimum gage height, 1.68 ft (0.512 m) Sept. 20, 21-22, 23, 1970, July 20, 1971. Flood in June 1886 reached a stage of between 22 ft (6.7 m) and 23 ft (7.0 m), present datum.

REMARKS.--Records good. Paper mill at Elizabeth pumps about 11 ft³/s (0.31 m³/s) from wells which is later discharged into Mill Creek 20 mi (32 km) above station. This discharge is continuous and fairly constant. Some small diversions from April to September for rice irrigation above station. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1512: 1923, 1939(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	274	268	2,630	3,650	6,730	1,190	1,040	202	1,970	101	100	92
2	261	259	1,720	3,230	5,720	975	1,120	192	1,660	100	131	84
3	233	241	1,380	3,410	5,530	793	1,180	181	1,240	97	111	86
4	228	228	1,470	3,800	5,310	648	1,240	167	826	96	128	83
5	249	422	1,580	3,620	4,520	566	1,180	197	500	94	140	81
6	226	902	1,460	3,050	3,590	518	923	160	347	120	119	89
7	192	848	1,170	2,610	3,360	483	607	170	281	390	119	124
8	178	1,680	918	2,220	3,320	450	432	148	251	1,220	132	374
9	170	1,700	848	2,390	2,950	419	352	134	228	1,490	126	1,060
10	158	978	897	3,900	2,140	394	301	132	215	689	113	1,140
11	156	746	994	5,460	1,490	374	261	671	348	249	102	894
12	330	650	1,120	6,850	1,190	358	423	1,140	348	176	97	554
13	982	600	1,260	7,140	1,100	336	2,900	804	249	152	93	457
14	3,810	609	1,300	6,230	1,130	320	5,560	512	457	132	98	444
15	5,080	624	1,080	5,100	1,230	330	7,180	462	360	121	142	457
16	3,860	552	731	4,320	1,380	408	6,020	504	228	116	122	479
17	3,310	417	507	3,750	1,530	503	4,570	534	189	113	104	475
18	2,670	316	400	3,260	1,820	568	3,140	526	184	103	95	417
19	2,030	261	487	3,410	2,130	537	1,990	466	179	104	132	305
20	1,910	259	1,360	6,490	2,170	426	1,380	376	168	104	144	221
21	2,070	571	1,710	6,810	2,220	378	1,090	288	162	104	147	176
22	2,210	754	1,660	6,250	2,130	356	770	310	159	113	131	151
23	2,150	619	1,380	5,750	2,210	301	537	877	150	116	108	130
24	1,950	454	2,600	8,120	2,200	281	415	3,090	144	109	93	118
25	1,690	754	4,280	10,400	1,970	292	346	3,340	131	100	87	109
26	1,330	1,620	5,480	10,200	1,640	338	306	2,170	121	97	96	102
27	848	3,350	5,650	9,910	1,470	770	295	1,020	116	94	94	100
28	520	5,130	4,630	9,050	1,370	1,160	285	674	111	92	101	96
29	368	4,930	3,580	8,660	-----	1,170	256	524	106	90	163	91
30	292	3,910	3,350	10,500	-----	1,110	224	407	104	89	222	85
31	268	-----	3,620	8,930	-----	1,030	-----	556	-----	89	118	-----
TOTAL	40,003	34,652	61,252	178,470	73,550	17,782	46,323	20,934	11,532	6,860	3,708	9,074
MEAN	1,290	1,155	1,976	5,757	2,627	574	1,544	675	384	221	120	302
MAX	5,080	9,130	5,650	10,500	6,730	1,190	7,180	3,340	1,970	1,490	222	1,140
MIN	156	228	400	2,220	1,100	281	224	132	104	89	87	81
CFSM	1.71	1.53	2.62	7.65	3.49	.76	2.05	.90	.51	.29	.16	.40
IN.	1.98	1.71	3.03	8.82	3.63	.88	2.29	1.03	.57	.34	.18	.45
AC-FT	79,350	68,730	121,500	354,000	145,900	35,270	91,880	41,520	22,870	13,610	7,350	18,000
CAL YR 1973	TOTAL 776,578	MEAN 2,128	MAX 22,200	MIN 84	CFSM 2.83	IN 38.36	AC-FT 1,540,000					
WTR YR 1974	TOTAL 504,140	MEAN 1,381	MAX 10,500	MIN 81	CFSM 1.83	IN 24.91	AC-FT 1,000,000					

PEAK DISCHARGE (BASE, 8,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
1-20	2200	17.00	8,150	1-30	1600	17.82	11,000
1-25	0200	17.75	10,800				

CALCASIEU RIVER BASIN

169

08013500 Calcasieu River near Oberlin, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.71	3.89	11.23	13.11	16.37	7.57	7.06	3.29	9.80	2.14	2.13	2.05
2	3.64	3.84	9.16	12.42	15.74	6.81	7.32	3.23	9.00	2.13	2.42	1.97
3	3.48	3.74	8.16	12.72	15.58	6.12	7.54	3.16	7.73	2.10	2.24	1.99
4	3.45	3.66	8.46	13.36	15.37	5.54	7.71	3.07	6.24	2.09	2.39	1.96
5	3.57	4.58	8.76	13.07	14.40	5.20	7.54	3.26	4.78	2.07	2.50	1.94
6	3.44	6.54	8.42	12.07	13.02	5.00	6.62	3.02	3.93	2.32	2.31	2.02
7	3.24	6.33	7.50	11.20	12.63	4.84	5.37	3.09	3.52	4.10	2.31	2.35
8	3.15	9.06	6.60	10.37	12.56	4.69	4.61	2.94	3.33	7.67	2.43	3.90
9	3.10	9.10	6.33	10.75	11.87	4.55	4.22	2.85	3.17	8.50	2.37	7.12
10	3.02	6.82	6.52	13.52	10.18	4.43	3.96	2.83	3.08	5.58	2.25	7.40
11	3.01	5.94	6.88	15.52	8.52	4.33	3.74	5.60	3.94	3.32	2.15	6.50
12	4.01	5.55	7.34	16.43	7.55	4.25	4.43	7.40	3.94	2.80	2.10	5.05
13	6.59	5.35	7.78	16.57	7.26	4.14	11.57	6.15	3.32	2.60	2.06	4.56
14	13.39	5.39	7.91	16.09	7.37	4.06	15.61	4.84	4.55	2.43	2.11	4.49
15	15.12	5.44	7.18	15.14	7.68	4.11	16.59	4.58	4.01	2.33	2.52	4.56
16	13.46	5.16	5.88	14.11	8.17	4.50	15.95	4.80	3.17	2.28	2.34	4.68
17	12.55	4.60	4.98	13.28	8.62	4.93	14.47	4.95	2.89	2.25	2.17	4.66
18	11.32	4.13	4.52	12.46	9.42	5.21	12.25	4.91	2.86	2.16	2.08	4.35
19	9.95	3.85	4.90	12.72	10.16	5.08	9.84	4.60	2.82	2.17	2.43	3.71
20	9.65	3.84	8.12	16.24	10.26	4.58	8.16	4.10	2.73	2.17	2.53	3.18
21	10.04	5.23	9.13	16.41	10.36	4.35	7.22	3.56	2.68	2.17	2.56	2.89
22	10.34	5.97	9.00	16.10	10.16	4.24	6.03	3.70	2.66	2.25	2.42	2.70
23	10.22	5.43	8.18	15.76	10.35	3.96	5.04	4.90	2.58	2.28	2.21	2.55
24	9.76	4.76	11.18	16.99	10.32	3.85	4.44	12.15	2.53	2.22	2.06	2.45
25	9.09	5.97	14.05	17.66	9.80	3.91	4.08	12.60	2.42	2.13	2.00	2.38
26	8.00	8.88	15.54	17.60	8.93	4.15	3.88	10.25	2.33	2.10	2.09	2.32
27	6.33	12.62	15.68	17.54	8.46	6.03	3.82	6.96	2.28	2.07	2.07	2.30
28	5.04	15.18	14.56	17.30	8.14	7.45	3.76	5.61	2.24	2.05	2.14	2.26
29	4.37	14.95	13.00	17.17	-----	7.51	3.60	4.90	2.19	2.03	2.69	2.21
30	4.01	13.53	12.61	17.68	-----	7.30	3.42	4.27	2.17	2.02	3.13	2.15
31	3.89	-----	13.07	17.26	-----	6.99	-----	4.84	-----	2.02	2.30	-----
MAX	15.12	15.18	15.68	17.68	16.37	7.57	16.59	12.60	9.80	8.50	3.13	7.40
MIN	3.01	3.66	4.52	10.37	7.26	3.85	3.42	2.83	2.17	2.02	2.00	1.94

08014500 Whisky Chitto Creek near Oberlin, La.

LOCATION.--Lat 30°41'55", long 92°53'35", in NE¼NE¼ sec.20, T.4 S., R.5 W., Allen Parish, near left bank on downstream side of bridge on State Highway 26, 1.0 mi (1.6 km) downstream from Termini Creek, 8.0 mi (12.9 km) upstream from Bundick Creek, and 10 mi (16 km) northwest of Oberlin.

DRAINAGE AREA.--510 mi² (1,321 km²).

PERIOD OF RECORD.--January 1939 to current year. Prior to October 1963 published as Whiskey Chitto Creek near Oberlin.

GAGE.--Water-stage recorder. Datum of gage is 46.24 ft (14.094 m) above mean sea level (Louisiana Geodetic Survey bench mark). Prior to Oct. 19, 1944, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--35 years, 799 ft³/s (22.62 m³/s), 21.28 in/yr (540 mm/yr), 578,900 acre-ft/yr (714 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 11,700 ft³/s (331 m³/s) Jan. 21 (gage height, 19.68 ft or 5.998 m); minimum, 191 ft³/s (4.36 m³/s) Aug. 25 (gage height, 2.97 ft or 0.905 m).

Period of record: Maximum discharge, 144,000 ft³/s (4,080 m³/s) May 18, 1953 (gage height, 32.8 ft or 5.997 m, from floodmark), from rating curve extended above 35,000 ft³/s (991 m³/s) on basis of slope-area measurement of peak flow; minimum, 88 ft³/s (2.49 m³/s) Oct. 19, 1956; minimum gage height, 2.48 ft (0.756 m) Aug. 17, 1970.

Flood in June 1886 reached a stage of 25.7 ft (7.8 m), from floodmarks preserved by local residents.

REMARKS.--Records good except those for period of no gage-height record which are fair. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	405	447	1,730	908	4,770	731	752	416	579	230	209	256
2	342	596	1,190	818	3,640	719	632	427	614	225	235	244
3	322	593	827	1,170	2,110	698	573	437	683	225	388	304
4	342	472	959	2,190	1,510	677	584	461	523	220	608	306
5	324	573	1,550	2,400	1,270	653	542	434	429	215	427	341
6	304	818	1,750	2,440	1,180	632	481	401	390	215	326	315
7	322	932	1,680	2,440	1,620	605	442	470	360	400	266	254
8	296	1,010	1,350	2,200	1,600	587	421	517	340	760	242	276
9	280	710	911	1,920	1,490	565	408	442	320	1,300	227	1,030
10	271	599	731	1,760	1,210	548	401	382	460	1,000	226	1,230
11	352	573	656	2,410	911	545	390	1,260	800	660	250	1,250
12	905	500	611	3,800	860	728	608	2,240	620	500	302	1,270
13	924	445	573	3,910	830	1,090	3,550	1,930	500	440	268	1,000
14	2,890	414	554	3,650	821	1,130	5,950	1,820	700	600	291	593
15	3,940	393	540	3,000	815	830	6,620	1,020	600	470	322	472
16	4,510	380	512	2,120	1,240	626	5,380	626	510	360	315	424
17	4,250	370	484	1,580	1,670	570	4,140	526	460	447	254	401
18	3,740	360	461	1,230	1,830	548	2,810	475	400	445	236	362
19	2,920	348	523	2,330	1,900	520	1,400	434	360	334	236	341
20	1,600	348	1,840	5,510	1,900	500	860	408	330	276	211	309
21	908	492	2,330	9,630	1,740	512	719	388	310	256	199	306
22	731	713	2,270	9,830	1,680	517	644	406	290	258	206	287
23	635	812	2,140	6,980	1,720	602	611	893	275	252	209	272
24	568	599	1,810	5,440	1,620	565	611	2,330	265	233	196	264
25	520	1,120	2,530	4,370	875	523	731	1,670	260	220	191	256
26	481	2,130	2,590	4,440	905	617	632	1,170	250	211	194	254
27	450	2,600	2,700	4,890	806	1,250	534	584	245	202	204	252
28	427	2,800	2,800	5,360	758	1,660	484	534	240	213	238	256
29	403	2,880	2,460	6,410	-----	1,760	450	611	235	206	338	266
30	388	2,660	1,450	6,320	-----	1,670	429	484	235	220	313	256
31	411	-----	1,040	5,760	-----	1,050	-----	456	-----	215	274	-----
TOTAL	35,161	27,687	43,552	117,216	43,281	24,228	42,789	24,652	12,583	11,808	8,401	13,647
MEAN	1,134	923	1,405	3,781	1,546	782	1,426	795	419	381	271	455
MAX	4,510	2,880	2,800	9,830	4,770	1,760	6,620	2,330	800	1,300	608	1,270
MIN	271	348	461	818	758	500	390	382	235	202	191	244
CFSM	2.22	1.81	2.75	7.41	3.03	1.53	2.80	1.56	.82	.75	.53	.89
IN.	2.56	2.02	3.18	8.55	3.16	1.77	3.12	1.80	.92	.86	.61	1.00
AC-FT	69,740	54,920	86,390	232,500	85,850	48,060	84,870	48,900	24,960	23,420	16,660	27,070

CAL YR 1973 TOTAL 522,466 MEAN 1,431 MAX 21,400 MIN 213 CFSM 2.81 IN 38.11 AC-FT 1,036,000
WTR YR 1974 TOTAL 405,005 MEAN 1,110 MAX 9,830 MIN 191 CFSM 2.18 IN 29.54 AC-FT 803,300

PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-16	1330	14.70	4,570	1-29	1830	17.53	6,790
1-12	2330	13.57	3,980	4-14	2315	17.77	7,120
1-21	2045	19.68	11,700				

CALCASIEU RIVER BASIN

171

08014500 Whisky Chitto Creek near Oberlin, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.36	4.39	8.48	5.96	15.04	5.37	5.44	4.27	4.86	--	3.08	3.33
2	4.15	4.92	6.90	5.66	12.88	5.33	5.04	4.31	4.98	--	3.22	3.27
3	4.01	4.91	5.69	6.82	9.53	5.26	4.84	4.35	5.21	--	3.91	3.56
4	4.08	4.48	6.13	9.72	7.87	5.19	4.88	4.44	4.66	--	4.80	3.57
5	4.02	4.84	7.98	10.25	7.15	5.11	4.73	4.34	--	--	4.08	3.72
6	3.97	5.66	8.53	10.34	6.88	5.04	4.51	4.21	--	--	3.66	3.61
7	4.01	6.04	8.34	10.35	8.17	4.95	4.37	4.47	--	--	3.38	3.32
8	3.88	6.29	7.39	9.74	8.12	4.89	4.29	4.64	--	--	3.26	3.43
9	3.80	5.30	5.97	9.04	7.80	4.81	4.24	4.37	--	--	3.18	6.32
10	3.75	4.93	5.37	8.58	6.98	4.75	4.21	4.14	--	--	3.17	7.04
11	3.75	4.84	5.12	10.28	6.28	4.74	4.17	6.98	--	--	3.30	7.11
12	4.15	4.58	4.97	13.19	5.97	5.36	4.91	9.86	--	--	3.55	7.18
13	5.98	4.38	4.84	13.42	5.80	6.55	12.65	9.06	--	--	3.39	6.24
14	11.34	4.26	4.77	12.89	5.67	6.71	16.61	8.72	--	--	3.50	4.66
15	13.48	4.18	4.72	11.60	5.65	5.70	17.38	6.32	--	--	3.64	4.16
16	14.61	4.13	4.62	9.56	7.07	5.02	15.91	5.02	--	3.80	3.61	3.95
17	14.09	4.09	4.52	8.07	8.31	4.83	13.87	4.67	--	4.17	3.32	3.84
18	13.08	4.05	4.44	7.04	8.77	4.75	11.16	4.49	--	4.16	3.23	3.68
19	11.43	4.00	4.66	10.07	8.98	4.65	7.53	4.34	--	3.69	3.23	3.57
20	8.10	4.00	8.79	16.16	8.98	4.58	5.80	4.24	--	3.43	3.09	3.42
21	5.96	4.55	10.07	19.03	8.51	4.62	5.33	4.16	--	3.33	3.02	3.40
22	5.37	5.31	9.92	19.11	8.34	4.64	5.08	4.23	--	3.34	3.06	3.31
23	5.05	5.64	9.61	17.67	8.46	4.94	4.97	5.87	--	3.31	3.08	3.24
24	4.82	4.93	8.72	16.05	8.18	4.81	4.97	10.06	--	3.21	3.00	3.20
25	4.65	6.66	10.58	14.33	6.80	4.66	5.37	8.32	--	3.14	2.97	3.16
26	4.51	9.57	10.73	14.48	5.95	4.99	5.04	6.83	--	3.09	2.99	3.15
27	4.40	10.75	10.99	15.24	5.62	7.09	4.69	4.88	--	3.04	3.05	3.14
28	4.31	11.20	11.19	15.94	5.46	8.28	4.52	4.70	--	3.10	3.24	3.16
29	4.22	11.36	10.41	17.21	-----	8.57	4.40	4.97	--	3.06	3.71	3.21
30	4.16	10.89	7.69	17.13	-----	8.30	4.32	4.52	--	3.14	3.60	3.16
31	4.25	-----	6.40	16.51	-----	6.43	-----	4.42	-----	3.11	3.42	-----
MAX	14.61	11.36	11.19	19.11	15.04	8.57	17.38	10.06	--	--	4.80	7.18
MIN	3.75	4.00	4.44	5.66	5.46	4.58	4.17	4.14	--	3.04	2.97	3.14

08014800 Bundick Creek near De Ridder, La.

LOCATION.--Lat 30°49'09", long 93°13'51", in SE¼NW¼ sec.7, T.3 S., R.8 W., Beauregard Parish, near left bank on downstream side of bridge on State Highway 26, 1.1 mi (1.8 km) downstream from Flat Creek, and 3.8 mi (6.1 km) southeast of De Ridder.

DRAINAGE AREA.--120 mi² (311 km²).

PERIOD OF RECORD.--March 1956 to current year.

GAGE.--Water-stage recorder. Datum of gage is 113.75 ft (34.671 m) above mean sea level (Louisiana Geodetic Survey bench mark).

AVERAGE DISCHARGE.--18 years, 159 ft³/s (4.502 m³/s), 17.99 in/yr (457 mm/yr), 115,200 acre-ft/yr (142 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 4,790 ft³/s (136 m³/s) Jan. 20 (gage height, 18.42 ft or 5.614 m); minimum, 21 ft³/s (0.59 m³/s) Aug. 25 (gage height, 2.17 ft or 0.661 m).

Period of record: Maximum discharge, 17,200 ft³/s (487 m³/s) Mar. 25, 1973 (gage height, 21.71 ft or 6.617 m); minimum, 8.8 ft³/s (0.25 m³/s) Oct. 16, 1956; minimum gage height, 1.90 ft (0.579 m) Sept. 3, 4, 1965.

REMARKS.--Records good. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 2122: 1957-58, 1961-62, 1964(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	66	105	102	115	261	106	102	50	90	25	62	47
2	54	83	88	105	227	105	92	60	75	28	85	45
3	50	59	86	574	209	101	90	62	62	27	63	50
4	51	70	411	1,240	178	97	84	55	53	25	37	95
5	47	303	739	1,020	150	93	72	51	45	24	30	87
6	46	304	551	526	153	90	64	73	41	26	27	42
7	43	201	216	515	253	86	61	104	39	30	25	31
8	41	100	123	612	324	83	60	82	37	38	27	61
9	39	93	105	514	207	80	60	51	36	50	26	225
10	37	97	95	453	149	121	57	126	89	40	26	314
11	45	78	84	497	132	625	54	129	142	32	31	234
12	336	64	84	574	124	869	242	72	84	27	31	90
13	239	60	83	418	121	391	229	62	53	25	28	83
14	367	58	82	239	118	176	654	57	43	25	45	73
15	255	57	78	211	129	118	640	53	38	34	72	60
16	204	56	73	229	244	106	441	50	35	129	75	50
17	323	53	69	244	325	98	150	56	33	178	36	43
18	236	50	66	237	220	89	93	53	32	92	30	39
19	117	48	227	688	345	86	78	59	32	54	25	36
20	78	70	788	4,260	356	85	69	67	32	40	44	34
21	65	129	817	2,080	303	104	65	63	31	33	45	32
22	58	153	440	857	480	129	64	52	30	30	30	30
23	53	100	160	406	350	115	96	50	29	28	26	28
24	50	72	422	382	185	88	119	62	28	26	23	27
25	48	580	807	770	132	134	85	99	27	25	21	27
26	47	920	713	1,180	114	241	64	69	28	25	26	29
27	45	808	433	1,380	107	632	56	50	28	25	38	30
28	43	632	239	1,480	106	725	52	45	26	25	64	31
29	41	312	163	2,590	-----	450	50	81	25	24	51	30
30	43	141	139	976	-----	189	50	123	25	23	74	28
31	73	-----	127	434	-----	128	-----	81	-----	32	65	-----
TOTAL	3,240	5,857	8,714	25,856	6,007	6,546	4,694	2,147	1,368	1,245	1,288	2,031
MEAN	105	195	281	834	215	211	156	69.3	45.6	40.2	41.5	67.7
MAX	367	920	817	4,260	480	869	329	129	142	178	85	314
MIN	37	48	66	105	106	80	50	45	25	23	21	27
CFSM	.88	1.63	2.34	6.45	1.79	1.76	1.30	.58	.38	.34	.35	.56
IN.	1.00	1.82	2.70	8.02	1.86	2.03	1.45	.67	.42	.39	.40	.63
AC-FT	6,430	11,620	17,280	51,290	11,910	12,970	9,310	4,260	2,710	2,470	2,550	4,030

CAL YR 1973 TOTAL 117,659 MEAN 322 MAX 7,990 MIN 23 CFSM 2.68 IN 36.47 AC-FT 233,400
 WTR YR 1974 TOTAL 68,987 MEAN 189 MAX 4,260 MIN 21 CFSM 1.58 IN 21.39 AC-FT 136,800

PEAK DISCHARGE (BASE, 900 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-26	1530	13.51	940	1-29	0030	17.74	3,850
1-4	1930	15.29	1,320	3-12	0645	13.25	906
1-20	0815	18.42	4,790				

CALCASIEU RIVER BASIN

173

08014800 Bundick Creek near De Ridder, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.34	4.09	4.01	4.23	6.40	4.09	4.02	3.02	--	2.28	3.05	2.77
2	3.10	3.67	3.78	4.07	5.91	4.06	3.85	3.21	--	2.34	3.52	2.73
3	3.02	3.20	3.73	10.11	5.65	4.00	3.82	3.25	--	2.32	3.08	2.83
4	3.03	3.41	8.29	15.10	5.21	3.94	3.70	3.11	2.89	2.28	2.57	3.73
5	2.95	6.94	11.78	14.06	4.81	3.86	3.45	3.04	2.74	2.26	2.41	3.54
6	2.94	6.95	10.90	9.58	4.86	3.82	3.30	3.47	2.65	2.29	2.32	2.66
7	2.88	5.54	5.75	9.46	6.29	3.75	3.24	4.05	2.61	2.39	2.28	2.43
8	2.83	3.98	4.37	10.51	7.20	3.68	3.22	3.64	2.58	2.59	2.32	2.96
9	2.79	3.87	4.07	9.44	5.63	3.61	3.21	3.03	2.56	2.83	2.31	5.88
10	2.76	3.93	3.90	8.77	4.80	4.33	3.15	4.26	3.53	2.63	2.31	7.08
11	2.92	3.58	3.77	9.26	4.51	10.64	3.10	4.34	4.58	2.44	2.43	6.00
12	7.35	3.29	3.69	10.11	4.39	12.94	5.86	3.26	3.49	2.33	2.42	3.63
13	6.08	3.21	3.67	8.38	4.33	8.04	12.59	3.07	2.90	2.28	2.35	3.50
14	7.74	3.17	3.66	6.09	4.29	5.18	10.92	2.98	2.70	2.27	2.71	3.29
15	6.32	3.16	3.58	5.68	4.46	4.28	10.79	2.90	2.60	2.50	3.27	3.04
16	5.59	3.14	3.48	5.94	6.23	4.08	8.60	2.84	2.52	4.34	3.30	2.83
17	7.19	3.08	3.39	6.16	7.21	3.95	4.80	2.95	2.47	5.19	2.55	2.70
18	6.04	3.01	3.34	6.06	5.82	3.80	3.87	2.89	2.44	3.68	2.39	2.62
19	4.27	2.98	5.91	11.27	7.46	3.73	3.57	3.02	2.44	2.92	2.28	2.54
20	3.57	3.41	12.23	18.05	7.60	3.71	3.40	3.18	2.45	2.63	2.69	2.49
21	3.31	4.47	12.49	16.19	6.94	4.05	3.32	3.09	2.43	2.48	2.73	2.45
22	3.17	4.86	8.62	12.84	9.07	4.47	3.30	2.88	2.41	2.40	2.39	2.40
23	3.08	3.98	4.96	8.22	7.52	4.23	3.91	2.83	2.37	2.34	2.29	2.36
24	3.02	3.46	8.42	7.93	5.32	3.78	4.30	3.08	2.34	2.30	2.22	2.33
25	2.98	10.18	12.40	12.06	4.51	4.55	3.73	3.81	2.33	2.28	2.18	2.32
26	2.95	13.35	11.52	14.91	4.21	6.12	3.29	3.21	2.34	2.27	2.31	2.38
27	2.91	12.41	8.54	15.39	4.10	10.71	3.13	2.84	2.34	2.28	2.60	2.40
28	2.88	10.71	6.09	15.52	4.08	11.64	3.06	2.74	2.29	2.28	3.11	2.43
29	2.84	7.05	5.00	16.68	-----	8.73	3.01	3.39	2.27	2.24	2.85	2.41
30	2.87	4.66	4.64	13.77	-----	5.37	3.01	4.27	2.27	2.22	3.30	2.35
31	3.48	-----	4.44	9.11	-----	4.45	-----	3.44	-----	2.43	3.13	-----
MAX	7.74	13.35	12.49	18.05	9.07	12.94	12.59	4.34	4.58	5.19	3.52	7.08
MIN	2.76	2.98	3.34	4.07	4.08	3.61	3.01	2.74	2.27	2.22	2.18	2.32

CALCASIEU RIVER BASIN

08015500 Calcasieu River near Kinder, La.

LOCATION.--Lat 30°30'10", long 92°54'55", in NW¼SE¼ sec.30, T.6 S., R.5 W., Allen Parish, on left bank on downstream side of bridge on U. S. Highway 190, 0.5 mi (0.8 km) downstream from Whisky Chitto Creek, and 4.0 mi (6.4 km) west of Kinder.

DRAINAGE AREA.--1,700 mi² (4,403 km²).

PERIOD OF RECORD.--August 1922 to January 1925, October 1938 to September 1957, October 1961 to current year. October 1957 to September 1961 (annual maximums) from U. S. Weather Bureau records.

GAGE.--Water-stage recorder. Datum of gage is 11.95 ft (3.642 m) above mean sea level (Louisiana Geodetic Survey bench mark). August 1922 to January 1925, water-stage recorder 400 ft (122 m) downstream at datum 1.77 ft (0.539 m) higher. October 1938 to July 9, 1939, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--34 years (1922-24, 1938-57, 1961-74), 2,554 ft³/s (72.32 m³/s), 1,850,000 acre-ft/yr (2.28 km³/yr).

EXTREMES.--Current year: Maximum discharge, 24,100 ft³/s (682 m³/s) Jan. 22 (gage height, 18.79 ft or 5.727 m); minimum, 467 ft³/s (13.2 m³/s) Aug. 25 (gage height, 2.57 ft or 0.783 m).
Period of record: Maximum discharge, 182,000 ft³/s (5,154 m³/s) May 19, 1953 (gage height, 32.00 ft or 9.754 m); minimum, 136 ft³/s (3.85 m³/s) Aug. 15, 1956; minimum gage height, 1.99 ft (0.606 m) Aug. 17, 1951, Oct. 20, 1973.

REMARKS.--Records good. Paper mill at Elizabeth pumps about 11 ft³/s (0.31 m³/s) from wells which is later discharge into Mill Creek 36 mi (58 km) above station. This discharge is continuous and fairly constant. Water is diverted during period April to September at points just above station and 5.0 mi (8.0 km) above station for the irrigation of about 7,500 acres (30.4 km²) of rice, part of which is below station. The maximum rate of withdrawal is about 100 ft³/s (2.83 m³/s) and this diversion results in marked regulation of the low-water flow. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,240	1,080	7,570	5,100	18,800	2,460	7,800	849	6,470	528	567	618
2	1,240	1,100	5,040	4,820	15,800	2,220	8,000	856	5,470	525	602	570
3	1,130	1,180	3,510	5,230	12,800	1,990	7,600	856	4,160	515	664	595
4	1,050	1,090	3,320	6,520	9,690	1,790	4,900	849	2,980	509	796	648
5	1,040	1,230	3,830	7,160	7,990	1,630	3,500	919	2,080	509	988	599
6	1,030	1,890	4,040	7,160	6,930	1,480	2,500	887	1,350	570	796	615
7	981	2,150	3,950	7,130	6,360	1,450	1,900	821	1,090	803	674	592
8	932	3,860	3,590	6,690	6,410	1,390	1,500	856	958	1,740	612	938
9	883	4,710	2,910	6,010	5,930	1,330	1,080	835	882	2,580	583	2,600
10	845	3,680	2,250	5,540	5,700	1,270	982	768	892	2,240	554	3,210
11	817	2,600	1,990	7,340	3,870	1,250	908	2,580	1,530	1,280	528	2,990
12	1,020	1,870	1,900	11,700	2,980	1,290	947	5,560	1,490	876	538	2,540
13	1,920	1,560	1,960	14,500	2,610	1,700	3,350	4,720	1,290	744	595	1,990
14	7,030	1,420	2,030	14,300	2,410	2,060	7,310	3,420	2,050	754	866	1,440
15	9,100	1,370	2,000	12,600	2,480	2,130	11,700	2,750	2,030	866	757	1,220
16	10,500	1,310	1,730	10,300	2,940	1,780	15,000	1,840	1,190	773	757	1,150
17	10,100	1,200	1,430	8,120	3,440	1,530	14,300	1,430	905	763	697	1,110
18	8,860	1,080	1,310	6,180	3,780	1,450	11,300	1,290	836	929	602	1,030
19	7,000	1,030	1,460	6,700	4,170	1,420	6,970	1,210	829	796	573	905
20	5,430	1,020	3,400	13,100	4,490	1,300	3,980	1,060	773	734	589	770
21	3,910	1,290	5,040	19,700	4,620	1,290	2,740	964	714	661	551	678
22	3,490	1,620	5,190	23,200	4,590	1,240	2,110	1,040	684	622	538	615
23	3,240	1,760	4,980	23,000	4,540	1,190	1,670	1,110	671	605	525	567
24	3,050	1,590	5,060	21,000	4,530	1,200	1,410	2,580	661	573	496	531
25	2,790	1,950	7,240	19,000	4,370	1,210	1,300	4,750	645	551	474	509
26	2,450	3,840	9,010	20,400	3,520	1,220	1,270	4,990	592	541	480	490
27	2,010	5,150	9,900	20,900	3,030	2,100	1,140	3,230	579	528	496	483
28	1,580	6,660	10,000	20,800	2,680	3,580	1,040	1,920	563	515	531	480
29	1,280	7,540	9,300	19,600	-----	5,600	975	1,420	557	509	757	487
30	1,130	8,220	7,120	19,400	-----	6,800	912	1,210	535	496	820	483
31	1,100	-----	5,490	19,700	-----	7,600	-----	2,150	-----	541	744	-----
TOTAL	98,178	76,050	137,550	392,900	161,460	65,950	130,094	59,720	45,456	25,076	19,750	31,453
MEAN	3,167	2,535	4,437	12,670	5,766	2,127	4,336	1,926	1,515	809	637	1,048
MAX	10,500	8,220	10,000	23,200	18,800	7,600	15,000	5,560	6,470	2,580	988	3,210
MIN	817	1,020	1,310	4,820	2,410	1,190	908	768	535	496	474	480
AC-FT	194,700	150,800	272,800	779,300	320,300	130,800	258,000	118,500	90,160	49,740	39,170	62,390
CAL YR 1973	TOTAL 1,709,807		MEAN 4,684		MAX 49,200		MIN 519		AC-FT 3,391,000			
WTR YR 1974	TOTAL 1,243,637		MEAN 3,407		MAX 23,200		MIN 474		AC-FT 2,467,000			

CALCASIEU RIVER BASIN

175

08015500 Calcasieu River near Kinder, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.90	4.77	14.43	12.31	17.82	8.21	--	4.11	13.66	2.76	2.88	3.04
2	4.89	4.82	12.92	11.98	17.12	7.68	--	4.13	13.07	2.75	2.99	2.89
3	4.58	5.05	10.66	12.45	16.38	7.11	--	4.13	11.60	2.72	3.18	2.97
4	4.35	4.81	9.79	13.70	15.43	6.61	--	4.11	9.57	2.70	3.58	3.13
5	4.33	5.19	10.61	14.18	14.65	6.20	--	4.31	7.06	2.70	4.16	2.98
6	4.29	6.84	10.92	14.18	14.02	5.82	--	4.22	5.19	2.89	3.58	3.03
7	4.16	7.50	10.78	14.16	13.57	5.74	--	4.03	4.45	3.60	3.21	2.96
8	4.02	9.93	10.24	13.84	13.61	5.59	--	4.13	4.07	6.21	3.02	4.01
9	3.88	11.84	9.10	13.25	13.18	5.45	4.77	4.07	3.84	8.25	2.93	8.23
10	3.77	10.85	7.76	12.79	12.42	5.31	4.48	3.88	3.87	7.46	2.84	9.52
11	3.69	8.50	7.10	13.82	11.09	5.24	4.27	8.27	5.65	4.99	2.76	9.07
12	4.26	6.79	6.88	15.87	9.49	5.36	4.38	12.26	5.57	3.82	2.79	8.15
13	6.48	6.02	7.03	16.79	8.51	6.37	9.15	12.28	5.02	3.42	2.97	6.85
14	13.40	5.67	7.21	16.75	8.11	7.27	13.66	10.38	6.96	3.45	3.78	5.42
15	15.18	5.55	7.13	16.30	8.25	7.46	15.84	8.79	6.93	3.79	3.46	4.84
16	15.71	5.41	6.46	15.63	9.15	6.57	16.92	6.72	4.75	3.51	3.46	4.64
17	15.57	5.10	5.71	14.72	9.99	5.95	16.75	5.69	3.91	3.48	3.28	4.51
18	15.08	4.77	5.40	13.69	10.54	5.75	15.92	5.34	3.70	3.68	2.99	4.28
19	14.31	4.62	5.78	13.67	11.10	5.67	14.48	5.13	3.68	3.58	2.90	3.91
20	13.09	4.59	9.41	16.15	11.55	5.38	11.80	4.71	3.51	3.39	2.95	3.50
21	11.28	5.35	11.95	18.01	11.72	5.36	9.07	4.43	3.33	3.17	2.83	3.22
22	10.06	6.18	12.41	18.65	11.69	5.22	7.40	4.67	3.24	3.05	2.79	3.03
23	9.65	6.52	12.18	--	11.62	5.08	6.30	4.86	3.20	3.00	2.75	2.88
24	9.34	6.09	12.27	--	11.61	5.11	5.66	8.34	3.17	2.90	2.66	2.77
25	8.87	7.01	13.85	--	11.39	5.13	5.38	11.54	3.12	2.83	2.59	2.70
26	8.20	10.18	15.15	18.16	10.43	5.18	5.31	12.19	2.96	2.80	2.61	2.64
27	7.14	11.95	15.50	18.25	9.30	7.37	4.93	10.51	2.92	2.76	2.66	2.62
28	6.07	13.50	15.54	18.23	8.65	9.93	4.65	6.91	2.87	2.72	2.77	2.61
29	5.32	14.41	15.28	18.00	-----	--	4.47	5.68	2.85	2.70	3.46	2.63
30	4.90	14.77	14.43	17.95	-----	--	4.29	5.12	2.78	2.66	3.65	2.62
31	4.82	-----	13.09	18.02	-----	--	-----	6.92	-----	2.80	3.42	-----
MAX	15.71	14.77	15.54	--	17.82	--	16.92	12.28	13.66	8.25	4.16	9.52
MIN	3.69	4.59	5.40	11.98	8.11	5.08	4.27	3.88	2.78	2.66	2.59	2.61

CALCASIEU RIVER BASIN

08016400 Beckwith Creek near De Quincy, La.

LOCATION.--Lat 30°28'15", long 93°21'35", in SE¼NW¼ sec.11, T.7 S., R.10 W., Beauregard Parish, near right bank on downstream side of bridge on State Highway 12, 300 ft (91 m) upstream from New Orleans, Texas and Mexico Railway bridge, 2.3 mi (3.7 km) downstream from Hams Creek, and 4.4 mi (7.1 km) northeast of De Quincy.

DRAINAGE AREA.--148 mi² (383 km²).

PERIOD OF RECORD.--August 1945 to current year.

GAGE.--Water-stage recorder. Datum of gage is 25.29 ft (7.708 m) above mean sea level. Prior to Oct. 28, 1950, nonrecording gage and Oct. 29, 1950, to Jan. 3, 1961, water-stage recorder 1,000 ft (305 m) upstream at same datum.

AVERAGE DISCHARGE.--29 years, 198 ft³/s (5.607 m³/s), 18.17 in/yr (462 mm/yr), 143,500 acre-ft/yr (177 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 4,070 ft³/s (115 m³/s) Jan. 20 (gage height, 19.88 ft or 6.059 m); minimum, 8.7 ft³/s (0.25 m³/s) Sept. 27, 28, 29; minimum gage height, 1.77 ft (0.539 m) Aug. 23, Sept. 4, 5.
Period of record: Maximum discharge, 13,800 ft³/s (391 m³/s) May 21, 1955 (gage height, 24.45 ft or 7.452 m); minimum, 0.1 ft³/s (0.003 m³/s) Sept. 27 to Oct. 30, 1956; minimum gage height, 0.87 ft (0.265 m) Sept. 26, 1954.

REMARKS.--Records good. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1118: 1946, 1947(M). WSP 1512: 1945.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	275	512	88	1,180	57	95	63	131	14	16	14
2	188	99	227	74	925	53	60	116	161	14	25	12
3	72	49	94	436	404	50	45	54	39	14	16	12
4	32	36	632	603	169	47	37	35	31	14	14	11
5	23	605	590	538	122	44	31	26	25	15	13	13
6	19	732	419	592	121	41	27	24	19	16	13	15
7	17	325	395	746	630	38	24	119	16	51	12	13
8	15	357	381	760	412	37	23	64	15	74	12	280
9	14	579	187	451	192	35	23	30	15	83	12	918
10	13	465	84	362	143	38	22	35	21	57	11	709
11	86	138	59	1,270	114	54	22	406	57	24	11	630
12	1,570	72	48	1,750	89	52	293	422	60	17	11	449
13	1,790	50	43	1,000	76	51	1,230	318	28	15	71	202
14	1,460	39	39	688	69	49	1,440	206	177	14	227	125
15	1,470	42	36	529	72	38	1,580	93	415	13	57	98
16	1,050	44	33	450	121	34	1,250	43	120	205	20	52
17	1,550	33	30	340	168	30	818	32	32	304	14	32
18	1,210	28	28	289	171	28	227	26	23	138	18	25
19	588	25	564	1,310	202	27	82	25	18	57	33	25
20	213	31	1,470	3,480	117	25	57	24	16	79	23	24
21	105	95	945	2,480	140	76	47	22	15	140	15	25
22	63	101	718	2,350	316	105	41	24	15	32	10	16
23	45	97	512	1,890	275	47	89	18	15	18	14	13
24	35	80	791	1,460	311	40	232	22	15	16	15	12
25	30	378	850	1,520	338	200	80	21	15	14	11	10
26	26	275	542	1,910	186	298	52	20	15	13	27	9.5
27	23	429	497	1,720	90	1,310	40	24	15	12	476	8.9
28	21	587	474	1,660	66	825	32	19	15	54	180	8.7
29	19	597	355	1,720	-----	472	27	17	15	21	42	9.1
30	18	623	189	1,360	-----	363	24	16	14	15	24	9.3
31	269	-----	121	1,140	-----	211	-----	20	-----	12	17	-----
TOTAL	12,060	7,288	11,865	34,966	7,219	4,775	8,090	2,384	1,568	1,565	1,460	3,780.5
MEAN	389	243	383	1,128	258	154	270	76.9	52.3	50.5	47.1	126
MAX	1,790	732	1,470	3,480	1,180	1,310	1,580	422	415	304	476	918
MIN	13	25	28	74	66	25	22	16	14	12	10	8.7
CFSM	2.63	1.64	2.59	7.62	1.74	1.04	1.82	.52	.35	.34	.32	.85
IN.	3.03	1.83	2.98	8.79	1.81	1.20	2.03	.60	.39	.39	.37	.95
AC-FT	23,920	14,460	23,530	69,360	14,320	9,470	16,050	4,730	3,110	3,100	2,900	7,500
CAL YR 1973	TOTAL 151,839.6	MEAN 416	MAX 3,560	MIN 7.1	CFSM 2.81	IN 38.17	AC-FT 301,200					
WTR YR 1974	TOTAL 97,020.5	MEAN 266	MAX 3,480	MIN 8.7	CFSM 1.80	IN 24.39	AC-FT 192,400					

PEAK DISCHARGE (BASE, 1,600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-12	2230	17.34	1,980	1-26	1645	16.93	1,940
1-12	0315	17.33	1,970	4-15	0115	15.48	1,650
1-20	0345	19.88	4,070				

CALCASIEU RIVER BASIN

177

08016400 Beckwith Creek near De Quincy, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.39	5.79	8.00	3.67	12.75	3.00	3.62	2.86	3.92	1.94	2.01	1.94
2	4.78	3.72	5.25	3.43	11.10	2.91	3.05	3.87	4.48	1.94	2.31	1.86
3	3.30	2.95	3.70	7.21	7.04	2.86	2.76	2.94	2.61	1.94	2.03	1.84
4	2.55	2.68	8.90	8.75	4.63	2.80	2.57	2.53	2.42	1.93	1.96	1.81
5	2.31	8.20	8.63	8.23	4.03	2.74	2.42	2.31	2.27	1.94	--	1.88
6	2.17	9.64	7.17	8.66	4.02	2.68	2.32	2.25	2.08	2.00	--	1.97
7	2.08	6.31	6.95	9.82	8.96	2.61	2.25	3.88	2.00	2.56	--	1.88
8	2.02	6.61	6.83	9.93	7.11	2.58	2.21	3.09	1.98	3.26	--	5.07
9	1.97	8.47	4.82	7.45	4.91	2.53	2.20	2.38	1.97	3.44	--	11.06
10	1.93	7.51	3.58	6.65	4.30	2.61	2.19	2.43	2.15	3.04	--	9.56
11	2.86	4.26	3.18	13.24	3.92	2.94	2.18	7.01	2.91	2.29	--	8.96
12	15.23	3.39	2.98	16.31	3.55	2.89	5.15	7.20	3.02	2.06	--	7.44
13	16.61	3.01	2.86	11.62	3.33	2.88	13.08	6.23	2.36	1.98	3.11	5.00
14	14.76	2.78	2.77	9.40	3.21	2.83	14.54	5.07	4.67	1.95	5.28	4.09
15	14.83	2.85	2.70	8.16	3.26	2.61	15.08	3.58	7.13	--	3.04	3.72
16	11.95	2.89	2.63	7.45	4.02	2.50	13.18	2.71	3.88	5.00	2.20	3.00
17	15.32	2.64	2.56	6.44	4.61	2.40	10.31	2.43	2.43	6.10	2.00	2.56
18	13.06	2.48	2.50	5.95	4.65	2.35	5.21	2.30	2.20	4.23	2.12	2.40
19	8.55	2.40	7.38	12.25	5.03	2.32	3.42	2.26	2.06	3.07	2.56	2.40
20	5.13	2.57	14.83	19.41	3.95	2.28	3.00	2.23	2.00	3.38	2.29	2.38
21	3.82	3.71	11.24	18.27	4.26	3.34	2.80	2.19	1.98	4.24	2.04	2.40
22	3.20	3.80	9.62	18.01	6.22	3.78	2.68	2.24	1.98	2.51	--	2.16
23	2.87	3.75	8.00	16.72	5.81	2.80	3.37	2.08	1.97	2.11	2.00	2.04
24	2.67	3.52	10.05	14.44	6.17	2.66	5.34	2.19	1.97	2.01	2.03	1.98
25	2.52	6.71	10.56	14.74	6.44	5.01	3.38	2.16	1.97	--	1.86	1.92
26	2.41	5.81	8.27	16.78	4.84	6.04	2.89	2.12	1.96	--	2.27	1.88
27	2.33	7.25	7.88	15.89	3.56	13.55	2.64	2.24	1.96	--	7.66	1.85
28	2.26	8.63	7.67	15.54	3.17	10.39	2.44	2.10	1.95	3.00	4.69	1.84
29	2.19	8.71	6.57	15.88	-----	7.65	2.32	2.03	1.95	2.18	2.76	1.86
30	2.15	8.91	4.86	13.85	-----	6.66	2.25	1.99	1.94	1.97	2.29	1.87
31	5.53	-----	4.06	12.51	-----	5.13	-----	2.10	-----	2.06	-----	-----
MAX	16.61	9.64	14.83	19.41	12.75	13.55	15.08	7.20	7.13	6.10	7.66	11.06
MIN	1.93	2.40	2.50	3.43	3.17	2.28	2.18	1.99	1.94	--	--	1.81

CALCASIEU RIVER BASIN

08016800 Bear Head Creek near Starks, La.

LOCATION.--Lat 30°19'59", long 93°37'44", in sec.30, T.8 S., R.12 W., Calcasieu Parish, near right bank on downstream side of bridge on State Highway 12, 2.4 mi (3.9 km) northeast of Starks, and 3.5 mi (5.6 km) downstream from Green Island Marsh Creek.

DRAINAGE AREA.--177 mi² (458 km²).

PERIOD OF RECORD.--Annual maximums, water years 1954-56. March 1956 to current year.

GAGE.--Water-stage recorder. Datum of gage is 16.34 ft (4.980 m) above mean sea level (Louisiana Geodetic Survey bench mark). Oct. 13, 1953, to Mar. 8, 1956, nonrecording gage at site 100 ft (30 m) downstream at same datum.

AVERAGE DISCHARGE.--18 years, 232 ft³/s (6.6 m³/s), 17.80 in/yr (452 m/yr), 168,100 acre-ft/yr (207.3 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 3,940 ft³/s (112 m³/s) Jan. 22 (gage height, 15.34 ft or 4.676 m); minimum, 0.06 ft³/s (0.002 m³/s) July 6 (gage height, 7.06 ft or 2.152 m).

Period of record: Maximum discharge, 11,200 ft³/s (317 m³/s) Oct. 28, 1970 (gage height, 17.63 ft or 5.374 m); no flow at times most years.

REMARKS.--Records good. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 2122: 1958(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	209	226	426	127	958	40	386	25	16	.27	1.6	90
2	239	340	306	82	675	33	141	45	16	.19	2.3	88
3	266	283	180	118	485	31	54	27	21	.15	15	53
4	258	155	199	238	248	29	34	29	16	.13	6.7	77
5	145	108	410	535	139	28	24	24	12	.11	2.0	66
6	136	288	630	600	103	26	18	20	9.9	.09	.90	31
7	280	808	610	605	204	24	14	13	8.1	2.1	.78	16
8	268	850	495	595	550	21	12	9.4	6.3	5.0	.96	25
9	122	700	374	590	505	19	11	32	4.6	2.0	.72	101
10	45	430	220	450	322	18	9.1	48	5.0	1.3	.49	207
11	46	270	93	475	185	18	8.6	180	4.6	2.7	.27	238
12	192	248	52	1,170	104	23	48	250	3.7	7.8	.19	240
13	790	188	44	1,540	69	60	228	242	2.8	8.6	.24	270
14	2,010	87	38	1,330	56	99	742	209	2.1	6.5	.78	248
15	3,090	50	34	1,050	55	70	1,380	150	9.4	4.4	20	142
16	2,830	38	31	796	65	44	1,830	56	15	15	34	65
17	2,510	32	29	595	66	30	1,570	29	57	17	19	37
18	2,230	27	26	418	92	26	1,040	20	43	5.2	17	27
19	1,860	24	54	710	145	18	410	15	18	6.7	18	19
20	1,500	40	118	2,840	189	15	107	12	10	11	9.6	14
21	1,030	69	475	3,800	168	21	41	11	6.7	23	7.1	10
22	500	113	615	3,850	189	73	27	10	4.4	11	6.0	7.4
23	160	132	540	3,190	250	109	21	8.8	3.3	7.8	3.8	5.6
24	72	135	440	2,270	263	70	17	8.1	2.1	22	2.3	7.4
25	47	135	386	1,890	246	93	47	7.4	1.4	14	3.0	12
26	37	160	555	2,260	226	200	115	10	1.5	8.3	73	11
27	31	366	625	2,810	129	916	71	12	1.3	13	117	7.8
28	27	435	590	2,780	57	1,380	30	17	1.0	23	103	6.0
29	23	520	530	2,360	-----	1,230	18	14	.66	14	102	4.8
30	20	520	414	1,890	-----	1,010	13	11	.44	7.4	100	3.3
31	106	-----	242	1,410	-----	710	-----	11	-----	2.8	78	-----
TOTAL	21,079	7,777	9,781	43,374	6,743	6,484	8,466.7	1,555.7	303.30	242.54	745.73	2,129.3
MEAN	680	259	316	1,399	241	209	282	50.2	10.1	7.82	24.1	71.0
MAX	3,090	850	630	3,850	958	1,380	1,830	250	57	23	117	270
MIN	20	24	26	82	55	15	8.6	7.4	.44	.09	.19	3.3
CFSM	3.84	1.46	1.79	7.90	1.36	1.18	1.59	.28	.06	.04	.14	.40
IN.	4.43	1.63	2.06	9.12	1.42	1.36	1.78	.33	.06	.05	.16	.45
AC-FT	41,810	15,430	19,400	86,030	13,370	12,860	16,790	3,090	602	481	1,480	4,220
CAL YR 1973	TOTAL	191,142.70	MEAN	524	MAX	4,740	MIN	2.8	CFSM	2.96	IN	40.17
WTR YR 1974	TOTAL	108,681.27	MEAN	298	MAX	3,850	MIN	.09	CFSM	1.68	IN	22.84
									AC-FT	379,100		
									AC-FT	215,600		

CALCASIEU RIVER BASIN

179

08016800 Bear Head Creek near Starks, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.89	11.03	11.69	10.24	12.68	8.74	11.59	8.31	7.90	7.23	7.45	9.68
2	11.09	11.47	11.37	9.56	12.19	8.59	10.40	8.79	7.93	7.19	7.48	9.64
3	11.21	11.29	10.76	10.12	11.81	8.53	8.98	8.36	8.06	7.15	8.05	8.95
4	11.19	10.55	10.88	11.09	11.14	8.49	8.52	8.40	7.93	7.13	7.74	9.45
5	10.44	9.99	11.65	11.91	10.38	8.45	8.29	8.29	7.82	7.11	7.48	9.23
6	10.34	11.31	12.10	12.04	9.92	8.40	8.13	8.19	7.77	7.09	7.35	8.44
7	11.28	12.43	12.06	12.05	10.91	8.36	8.03	7.99	7.71	7.50	7.33	8.08
8	11.23	12.50	11.83	12.03	11.94	8.29	7.97	7.87	7.64	7.68	7.36	8.29
9	10.18	12.24	11.56	12.02	11.85	8.25	7.91	8.47	7.57	7.49	7.32	9.81
10	8.79	11.70	11.00	11.74	11.42	8.21	7.86	8.84	7.60	7.41	7.28	10.92
11	8.80	11.24	9.75	11.79	10.79	8.21	7.84	10.76	7.59	7.54	7.23	11.09
12	10.84	11.14	8.94	12.98	9.93	8.34	8.85	11.15	7.55	7.80	7.19	11.10
13	12.40	10.81	8.75	13.44	9.29	9.18	11.04	11.11	7.51	7.84	7.21	11.24
14	13.92	9.65	8.62	13.19	9.02	9.88	12.32	10.93	7.46	7.74	7.33	11.14
15	14.78	8.89	8.53	12.82	9.01	9.38	13.25	10.43	7.85	7.65	8.15	10.37
16	14.59	8.62	8.46	12.41	9.21	8.83	13.75	8.85	8.04	8.02	8.52	9.20
17	14.34	8.47	8.40	12.03	9.24	8.50	13.48	8.23	9.05	8.10	8.11	8.60
18	14.11	8.36	8.33	11.67	9.73	8.41	12.80	8.01	8.74	7.68	8.06	8.35
19	13.78	8.29	8.98	12.26	10.44	8.20	11.65	7.87	8.13	7.68	8.10	8.17
20	13.40	8.67	10.12	14.60	10.82	8.14	9.97	7.79	7.90	7.93	7.81	8.03
21	12.79	9.29	11.79	15.25	10.67	8.28	8.69	7.76	7.76	8.26	7.70	7.90
22	11.84	10.05	12.07	15.28	10.82	9.43	8.36	7.72	7.65	7.92	7.64	7.79
23	10.60	10.30	11.92	14.85	11.15	10.02	8.21	7.67	7.59	7.80	7.53	7.71
24	9.36	10.33	11.72	14.14	11.21	9.38	8.11	7.64	7.50	8.23	7.42	7.79
25	8.83	10.33	11.59	13.81	11.13	9.78	8.83	7.61	7.43	8.03	7.43	7.95
26	8.60	10.60	11.95	14.13	11.03	10.90	10.09	7.72	7.44	7.83	9.23	7.91
27	8.45	11.54	12.09	14.58	10.27	12.61	9.33	7.77	7.42	7.92	10.11	7.81
28	8.35	11.71	12.02	14.56	9.11	13.25	8.42	7.93	7.37	8.27	9.91	7.73
29	8.25	11.88	11.90	14.22	-----	13.06	8.12	7.83	7.31	8.01	9.90	7.66
30	8.19	11.88	11.66	13.81	-----	12.75	7.98	7.73	7.27	7.78	9.86	7.59
31	9.96	-----	11.11	13.29	-----	12.26	-----	7.75	-----	7.55	9.47	-----
MAX	14.78	12.50	12.10	15.28	12.68	13.25	13.75	11.15	9.05	8.27	10.11	11.24
MIN	8.19	8.29	8.33	9.56	9.01	8.14	7.84	7.61	7.27	7.09	7.19	7.59

08022500 Sabine River at Logansport, La.

LOCATION.--Lat 31°58'20", long 94°00'22", De Soto Parish, La.-Shelby County, Tex. State line at Logansport, just upstream from bridge on U.S. Highway 84, 3 mi (5 km) upstream from Bayou Castor, 111 mi (179 km) upstream from Toledo Bend Dam, and at mile 267.1 (429.8 km).

DRAINAGE AREA.--7,178 mi² (18,591 km²), see station 08025350.

PERIOD OF RECORD.--Gage-height record March 1968 to current year. Discharge record July 1903 to February 1968.

GAGE.--Water-stage recorder. Datum of gage is 147.72 ft (45.025 m) above mean sea level. July 1, 1903, to Sept. 30, 1956, nonrecording gage. Oct. 1, 1956, to Jan. 16, 1964, water-stage recorder 4,600 ft (1,402 m) upstream. Jan. 16, 1964, to Dec. 10, 1968, water-stage recorder 4,700 ft (1,433 m) upstream. All gages to present datum except prior to Dec. 31, 1906, when datum was 2.00 ft (0.610 m) lower.

AVERAGE DISCHARGE.--64 years (1903-67), 3,208 ft³/s (90.85 m³/s), 2,324,000 acre-ft/yr (2.87 km³/yr).

EXTREMES.--Current year: Maximum gage height, 31.35 (9.555 m) Jan. 28; minimum, 20.02 ft (6.102 m) Sept. 7.

Period of gage-height record 1968-74: Maximum gage height, 32.50 ft (9.906 m) Apr. 20, 1969; minimum since initial filling of Toledo Bend Reservoir in June 1968, 18.40 ft (5.608 m) Oct. 19, 1972.

Period of discharge record 1903-67: Maximum discharge, 92,000 ft³/s (2,610 m³/s) Apr. 8, 1945, gage height, 44.07 ft (13.433 m) from floodmark; minimum, 16 ft³/s (0.45 m³/s) Sept. 26-28, Oct. 3, 4, 1939.

Maximum stage since at least 1884, that of Apr. 8, 1945. Flood in May 1884 reached a stage of 39.4 ft (12.0 m), present site and datum.

REMARKS.--Records good. Station discontinued as daily streamflow station on Mar. 1, 1968, due to backwater from storage in Toledo Bend Reservoir (station 08025350). Eight major reservoirs, with a combined capacity of 1,068,000 acre-ft (1.32 km³), largely regulate the flow. For statement regarding regulation by Soil Conservation Service floodwater-retarding structures, see Lake Fork Creek near Quitman (sta 08019000). Numerous diversions above station for oilfield operations, municipal, and industrial use.

REVISIONS (WATER YEARS).--WSP 1312: 1903-6 (monthly and annual means). WSP 1732: 1929(M), 1933(M).

GAGE HEIGHT, IN FEET, AT 2400, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.83	24.35	25.69	25.49	29.61	24.95	24.02	24.61	23.79	24.28	22.17	20.61
2	21.67	24.32	25.94	25.30	29.00	24.65	24.23	24.58	23.86	24.15	22.08	20.76
3	21.45	24.34	26.68	25.25	28.35	24.50	23.97	24.62	23.88	23.95	22.03	20.55
4	21.39	24.67	27.27	25.42	27.91	24.27	23.85	24.85	23.96	23.82	22.00	20.32
5	21.38	24.59	27.87	25.51	27.64	24.00	23.79	24.74	24.00	23.79	21.95	20.18
6	21.30	24.66	28.55	25.60	27.16	23.85	24.11	24.85	24.03	23.76	21.85	20.15
7	21.37	24.68	28.95	25.74	26.80	23.85	24.02	24.99	24.00	23.67	21.80	20.04
8	21.44	24.73	28.96	25.81	26.62	23.82	23.58	25.04	24.23	23.67	21.75	20.50
9	21.54	24.64	28.77	25.65	26.50	23.65	23.80	25.16	24.13	23.62	21.70	20.80
10	21.58	24.65	28.35	25.71	26.26	23.47	24.24	25.24	24.38	23.55	21.80	20.75
11	21.66	24.64	28.03	25.68	26.06	23.36	24.16	25.24	24.78	23.39	21.70	20.66
12	21.84	24.68	27.65	25.73	25.88	23.52	24.77	25.25	25.15	23.33	21.60	20.53
13	22.11	24.73	27.18	25.62	25.73	23.81	24.88	25.53	25.50	23.26	21.50	20.60
14	22.57	24.75	26.85	25.54	25.45	24.00	24.68	25.36	25.68	23.26	21.40	20.90
15	23.21	24.63	26.45	25.44	25.18	24.08	24.71	25.26	25.65	23.26	21.30	21.10
16	23.21	24.66	26.09	25.31	25.00	23.96	24.64	25.28	25.55	23.25	21.25	21.33
17	23.65	24.75	26.00	25.25	24.90	24.05	24.66	25.15	25.39	23.19	21.20	21.45
18	23.96	24.75	25.87	25.10	24.78	24.07	24.64	24.98	25.25	23.12	21.14	21.73
19	24.29	24.88	25.58	25.81	24.60	23.98	24.66	24.96	25.08	23.04	21.09	21.74
20	24.57	24.91	25.51	26.59	24.58	24.03	24.64	24.81	24.89	22.98	21.04	21.60
21	24.68	24.97	25.64	26.80	25.12	24.10	24.65	24.67	24.83	22.90	20.85	21.50
22	24.46	25.00	25.56	26.84	25.70	24.47	24.52	24.36	24.71	22.74	20.81	21.40
23	24.24	25.10	25.77	27.16	25.88	24.23	24.67	24.25	24.60	22.65	20.75	21.33
24	24.05	25.07	25.73	29.28	26.62	24.29	24.78	24.14	24.50	22.76	20.70	21.25
25	23.90	24.88	25.86	30.47	26.35	24.29	24.84	24.13	24.50	22.67	20.65	21.20
26	23.79	24.94	26.10	31.15	26.84	24.26	25.02	23.97	24.50	22.64	20.60	21.14
27	23.69	25.00	26.31	31.30	25.95	24.27	24.97	23.98	24.47	22.54	20.62	21.11
28	23.67	25.06	26.53	30.94	25.40	24.25	24.84	24.06	24.45	22.45	20.58	21.06
29	23.76	25.26	26.32	30.62	-----	24.09	24.67	24.06	24.45	22.37	20.56	21.12
30	24.16	25.45	26.10	30.31	-----	24.13	24.47	23.97	24.37	22.28	20.52	21.18
31	24.03	-----	25.61	30.06	-----	24.40	-----	23.86	-----	22.21	20.52	-----
MAX	24.68	25.45	28.96	31.30	29.61	24.95	25.02	25.53	25.68	24.28	22.17	21.74
MIN	21.30	24.32	25.51	25.10	24.58	23.36	23.58	23.86	23.79	22.21	20.52	20.04

SABINE RIVER BASIN

181

08022765 Bayou Castor near Funston, LA.

LOCATION.--Lat 32°00'57", long 93°57'35", SW¼ NE¼ sec.24, T.12 N., R.6 W., De Soto Parish, near center of span on downstream side of bridge on unnumbered parish road, 0.3 mi (0.48 km) downstream from Bushneck Bayou and 2.4 mi (3.86 km) south of Funston.

DRAINAGE AREA.--91.5 mi² (237.0 km²).

PERIOD OF RECORD.--October 1971 to current year.

GAGE.--Water-stage recorder. Datum of gage is 188.50 ft (57.45 m), unadjusted above mean sea level (Louisiana Geodetic Survey bench mark).

EXTREMES.--1972: Maximum discharge, 1,060 ft³/s (30.0 m³/s) Jan. 5, gage height, 13.55 ft (4.130 m). No flow for many days.

1973: Maximum discharge, 2,500 ft³/s (70.8 m³/s) Jan. 8, gage height, 14.40 ft (4.389 m). No flow Oct. 13-22.

1974: Maximum discharge, 4,690 ft³/s (132.8 m³/s) Jan. 24, 25, gage height, 15.23 ft (4.642 m). Minimum discharge, 0.03 ft³/s (0.001 m³/s) Aug. 13, gage height, 1.65 ft (0.503 m).

REMARKS.--Records good except those for periods of no gage-height record, which are fair. See pages 183, 184 for tables of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	0	.54	12	70	9.8	23	9.3	.86	0	2.4	0
2	0	0	1.9	249	40	161	16	303	.81	0	1.9	0
3	0	0	24	334	29	219	13	357	.59	0	.96	0
4	.02	0	29	583	22	68	22	109	.36	541	.49	0
5	.01	0	25	982	17	36	16	36	.23	442	.32	0
6	0	0	47	882	136	25	11	21	.15	84	.29	0
7	0	0	124	108	581	19	9.5	15	.09	14	.26	0
8	0	0	76	50	281	18	7.8	12	.04	6.2	.20	0
9	0	0	27	37	70	15	6.1	9.9	.02	3.7	.10	0
10	0	0	15	116	42	13	5.1	8.3	0	2.5	.06	.02
11	0	0	11	55	32	11	4.7	6.9	0	1.5	.04	.10
12	0	0	7.8	35	35	10	4.3	6.9	.02	1.0	.02	.07
13	0	0	6.8	27	42	9.6	4.0	8.3	1.1	1.2	.01	.04
14	0	0	7.5	22	37	9.3	3.4	8.2	2.4	1.0	.01	.02
15	0	0	7.6	17	26	9.9	3.1	6.9	3.0	1.1	.10	.01
16	0	0	9.3	14	22	128	3.3	5.4	3.9	1.0	.07	.02
17	0	0	31	13	21	118	3.0	4.2	4.7	.80	.04	.20
18	.04	0	26	12	19	46	2.5	3.0	3.1	.70	.02	.15
19	.02	3.4	18	12	16	26	2.2	2.9	1.9	.60	.01	.07
20	0	4.8	12	12	13	19	1.8	1.8	.87	.60	.01	.03
21	0	6.7	7.8	14	12	194	2.6	1.8	.90	1.0	.20	.01
22	0	5.3	5.3	13	11	252	3.5	.87	1.6	1.3	1.0	.01
23	0	3.7	3.5	12	11	79	2.7	.86	1.5	1.0	.90	.10
24	0	2.5	2.7	12	12	38	1.8	.86	1.2	.90	.50	1.0
25	0	1.8	2.0	10	10	32	1.2	1.9	.54	.65	.40	.90
26	0	1.5	1.7	9.0	9.6	26	.80	1.9	.20	.40	.20	1.5
27	0	1.1	1.5	7.8	8.7	22	1.1	2.9	.05	.32	.10	1.3
28	0	.90	1.3	7.6	8.1	23	6.5	1.9	0	1.7	.06	1.2
29	0	.90	1.5	14	7.8	137	6.1	1.9	0	2.2	.03	.90
30	0	.59	1.6	147	-----	96	4.2	1.8	0	3.0	0	2.0
31	0	-----	2.1	202	-----	40	-----	1.8	-----	2.7	0	-----
TOTAL	.09	33.19	537.44	4,020.4	1,641.2	1,909.6	192.30	953.49	30.13	1,118.07	10.70	9.65
MEAN	.003	1.11	17.3	130	56.6	61.6	6.41	30.8	1.00	36.1	.35	.32
MAX	.04	6.7	124	982	581	252	23	357	4.7	541	2.4	2.0
MIN	0	0	.54	7.6	7.8	9.3	.80	.86	0	0	0	0
AC-FT	.2	66	1,070	7,970	3,260	3,790	381	1,890	60	2,220	21	19

WTR YR 1972 TOTAL 10,456.26 MEAN 28.6 MAX 982 MIN 0 AC-FT 20,740

SABINE RIVER BASIN

08022765 BAYOU CASTOR NEAR FUNSTON, LA.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.8	34	11	92	294	37	32	30	2.9	2.0	124	.59
2	1.1	14	8.5	44	450	32	28	26	2.5	1.7	43	.59
3	.80	7.9	7.5	57	158	57	26	23	2.1	1.8	19	.44
4	.70	5.1	6.9	153	68	77	26	21	12	1.7	12	.40
5	.65	3.6	6.5	192	50	203	22	20	141	1.5	8.2	26
6	.44	3.1	7.8	488	42	411	21	20	137	3.1	13	57
7	.40	4.2	8.1	1,010	36	171	74	73	53	130	30	50
8	.32	22	15	2,330	124	72	107	110	22	444	9.5	18
9	.20	36	47	1,070	316	123	209	44	13	536	8.7	10
10	.11	16	112	292	99	189	252	25	9.6	103	4.6	6.4
11	.03	9.5	252	112	47	140	76	19	8.4	28	3.0	57
12	.01	6.2	165	73	58	100	41	18	8.7	19	2.1	18
13	0	113	99	61	68	55	31	15	22	14	1.8	7.6
14	0	285	153	54	45	45	26	13	87	11	1.7	4.5
15	0	93	558	47	33	63	29	12	225	9.2	1.9	3.0
16	0	27	850	41	27	185	297	10	104	9.0	1.7	2.2
17	0	16	90	36	24	405	680	9.5	32	10	1.2	1.8
18	0	30	56	34	23	196	1,260	8.8	19	11	.90	1.4
19	0	154	80	32	21	68	850	8.2	14	8.5	.90	1.2
20	0	444	100	31	20	45	231	7.6	11	6.2	.72	1.1
21	0	39	84	231	20	34	99	6.9	11	3.6	.72	.80
22	0	22	57	464	22	28	70	6.5	10	3.9	.54	.65
23	1.2	15	42	182	21	24	50	5.8	8.5	4.5	.40	.65
24	.72	12	32	69	20	233	129	5.4	7.1	21	.32	1.5
25	.32	51	25	58	22	1,520	1,000	5.0	5.8	24	.26	3.5
26	6.3	141	21	373	22	862	858	5.4	4.9	13	.23	2.8
27	45	62	19	524	20	201	238	9.0	4.0	7.5	.17	2.0
28	72	30	17	297	26	76	73	6.7	3.4	5.0	.17	92
29	23	19	16	187	-----	54	47	5.5	2.8	12	.29	104
30	78	14	22	88	-----	44	36	4.4	2.4	7.6	1.1	35
31	120	-----	72	64	-----	38	-----	3.5	-----	241	1.9	-----
TOTAL	353.10	1,428.6	3,040.3	8,786	2,176	5,788	6,918	577.2	986.1	1,693.8	294.02	510.12
MEAN	11.4	47.6	98.1	283	77.7	187	231	18.6	32.9	54.6	9.48	17.0
MAX	120	285	850	2,330	450	1,520	1,260	110	225	536	124	104
MIN	0	3.1	6.5	31	20	24	21	3.5	2.1	1.5	.17	.40
AC-FT	700	2,830	6,030	17,430	4,320	11,480	13,720	1,140	1,960	3,360	583	1,010

CAL YR 1972 TOTAL 14,707.54 MEAN 40.2 MAX 982 MIN 0 AC-FT 29,170
WTR YR 1973 TOTAL 32,551.24 MEAN 89.2 MAX 2,330 MIN 0 AC-FT 64,570

08022765 BAYOU CASTOR NEAR FUNSTON, LA.--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15	31	25	38	85	40	23	18	105	.72	.11	84
2	11	32	20	35	71	38	20	18	75	.59	.10	15
3	7.8	19	81	108	61	35	18	16	28	.59	.10	5.6
4	5.8	86	1,230	308	50	32	16	15	17	.49	.08	5.4
5	4.7	173	1,790	206	42	30	14	157	13	.49	.06	5.2
6	3.9	37	519	156	40	28	13	305	13	.80	.06	2.6
7	3.4	26	94	288	38	26	12	112	22	11	.05	1.5
8	2.8	23	54	180	36	24	12	40	17	5.7	.05	6.5
9	2.2	52	43	121	32	23	11	27	13	2.6	.05	203
10	1.7	25	36	232	29	22	11	22	11	1.6	.05	113
11	1.9	18	31	925	27	37	23	82	12	1.1	.04	26
12	12	15	28	788	26	231	256	51	9.6	.65	.04	13
13	107	13	27	216	26	227	243	27	8.2	.40	.03	36
14	179	12	24	114	27	70	61	19	7.1	.29	.08	57
15	103	10	23	150	237	42	35	17	6.0	.40	.06	34
16	195	9.6	21	171	391	32	22	15	5.3	2.2	.06	15
17	125	8.7	19	120	160	27	17	14	4.8	.80	.05	22
18	49	8.1	18	83	81	24	14	12	4.2	.29	.29	326
19	25	8.0	98	517	166	22	12	11	4.1	.20	8.5	122
20	17	10	360	2,210	224	23	11	10	3.8	.17	8.1	22
21	13	21	298	1,260	866	234	11	10	3.2	.15	2.2	13
22	10	26	83	324	2,350	257	190	13	2.7	.15	.65	9.2
23	8.4	22	53	303	828	74	911	13	2.4	.13	.44	6.4
24	7.0	17	324	2,420	168	42	603	11	1.9	.11	.32	5.8
25	6.3	17	624	3,320	80	44	80	11	1.6	.13	.26	14
26	5.7	63	364	1,610	56	50	40	24	1.2	.13	.36	41
27	6.1	259	217	1,030	47	47	30	54	1.0	.15	.36	46
28	7.4	218	125	760	42	41	23	35	1.0	.15	.26	20
29	6.6	77	71	750	-----	52	20	15	.90	.13	.36	12
30	5.7	38	55	288	-----	38	18	12	.80	.11	4.0	8.1
31	29	-----	46	122	-----	29	-----	23	-----	.13	24	-----
TOTAL	977.4	1,374.4	6,801	19,153	6,286	1,941	2,770	1,209	395.80	32.55	51.17	1,290.3
MEAN	31.5	45.8	219	618	225	62.6	92.3	39.0	13.2	1.05	1.65	43.0
MAX	195	259	1,790	3,320	2,350	257	911	305	105	11	24	326
MIN	1.7	8.0	18	35	26	22	11	10	.80	.11	.03	1.5
AC-FT	1,940	2,730	13,490	37,990	12,470	3,850	5,490	2,400	785	65	101	2,560
CAL YR 1973	TOTAL	36,882.04	MEAN	101	MAX	2,330	MIN	.17	AC-FT	73,160		
WTR YR 1974	TOTAL	42,281.62	MEAN	116	MAX	3,320	MIN	.03	AC-FT	83,870		

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	--	1.27	1.96	2.81	4.95	2.70	3.41	2.67	2.01	1.53	--	--
2	--	1.26	2.11	8.49	4.05	6.84	3.07	9.38	1.97	1.52	--	--
3	--	1.20	3.43	9.84	3.65	7.98	2.89	10.16	1.94	1.66	2.02	--
4	--	1.15	3.64	12.19	3.33	4.90	3.37	5.62	1.90	11.94	1.95	--
5	--	1.15	3.49	13.42	3.08	3.94	3.04	3.75	1.87	11.18	1.91	--
6	--	1.16	4.31	9.57	6.35	3.48	2.67	3.11	1.85	4.30	1.90	--
7	--	1.17	6.12	5.79	12.20	3.20	2.68	2.79	1.82	2.95	1.89	--
8	--	1.12	5.10	4.40	9.01	3.14	2.57	2.63	1.78	2.46	--	--
9	--	1.14	3.55	3.96	4.95	3.01	2.45	2.51	1.74	2.27	--	--
10	--	1.13	2.99	5.94	4.15	2.89	2.38	2.38	1.72	--	--	--
11	--	1.14	2.76	4.58	3.78	2.80	2.35	2.32	1.69	--	--	--
12	--	1.15	2.57	3.89	3.88	2.74	2.32	2.34	1.76	--	--	--
13	--	1.17	2.50	3.57	4.13	2.69	2.29	2.44	2.03	--	--	--
14	--	1.16	2.55	3.33	3.97	2.67	2.24	2.39	2.15	--	--	--
15	--	1.12	2.56	3.11	3.53	2.71	2.22	2.33	2.21	--	--	--
16	--	1.10	2.67	2.97	3.41	6.18	2.23	2.23	2.28	--	--	--
17	--	1.12	3.71	2.88	3.29	5.96	2.21	2.14	2.34	--	--	--
18	--	1.40	3.52	2.84	3.19	4.27	2.16	2.07	2.22	--	--	--
19	--	2.24	3.14	2.82	3.04	3.51	2.14	2.02	2.11	--	--	--
20	--	2.35	2.81	2.86	2.91	3.18	2.10	1.98	1.99	--	--	--
21	--	2.49	2.57	2.92	2.83	7.50	2.17	1.95	2.01	2.02	--	--
22	--	2.39	2.39	2.91	2.79	8.54	2.25	1.92	2.08	2.05	--	--
23	--	2.27	2.25	2.86	2.78	5.17	2.18	1.92	2.07	2.02	--	--
24	--	2.16	2.18	2.81	2.82	4.01	2.10	1.93	2.04	2.01	--	--
25	--	2.10	2.12	2.74	2.72	3.78	2.04	2.04	1.96	1.98	--	--
26	--	2.07	2.09	2.65	2.69	3.52	2.00	2.06	1.87	1.93	--	--
27	--	2.03	2.07	2.57	2.63	3.34	2.03	2.10	1.79	1.91	--	--
28	1.33	2.01	2.05	2.56	2.59	3.39	2.48	2.10	1.70	2.09	--	--
29	1.32	2.01	2.07	2.95	2.57	6.36	2.45	2.08	1.62	2.14	--	--
30	1.30	1.97	2.08	6.56	-----	5.54	2.31	2.05	1.57	--	1.67	--
31	1.29	-----	2.13	7.66	-----	4.05	-----	2.04	-----	--	1.61	-----
MAX	--	2.49	6.12	13.42	12.20	8.54	3.41	10.16	2.34	11.94	--	--
MIN	--	1.10	1.96	2.56	2.57	2.67	2.00	1.92	1.57	1.91	--	--

SABINE RIVER BASIN

08022765 BAYOU CASTOR NEAR FUNSTON, LA.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	--	3.83	2.75	5.47	9.24	3.97	3.78	3.67	2.20	2.12	6.10	2.04
2	2.09	2.96	2.62	4.21	11.26	3.74	3.59	3.53	2.16	2.09	4.18	2.04
3	2.01	2.58	2.55	4.62	6.79	4.63	3.52	3.41	2.13	2.10	3.23	2.01
4	1.96	2.38	2.51	6.68	4.91	5.12	3.51	3.32	2.86	2.09	2.84	2.00
5	1.94	2.25	2.48	7.47	4.40	7.69	3.35	3.25	6.45	2.07	2.64	3.55
6	1.90	2.22	2.57	11.58	4.14	10.84	3.29	3.23	6.37	2.22	2.95	4.62
7	1.89	2.31	2.59	13.46	3.94	7.05	5.04	5.02	4.49	6.22	3.69	4.40
8	1.87	3.36	2.98	14.33	6.11	4.99	5.77	5.82	3.36	11.20	2.71	3.15
9	1.83	3.90	4.30	13.56	9.59	6.08	7.80	4.19	2.91	11.91	2.67	2.71
10	1.79	3.07	5.87	9.20	5.60	7.40	8.54	3.46	2.69	5.58	2.40	2.47
11	1.73	2.68	8.54	5.85	4.29	--	5.11	3.18	2.61	3.62	2.28	4.62
12	1.70	2.45	6.92	5.03	4.64	--	4.10	3.14	2.63	3.26	2.20	3.15
13	1.67	5.88	5.60	4.72	4.90	4.58	3.72	3.01	3.35	3.06	2.17	2.56
14	1.63	9.08	6.68	4.53	4.24	4.25	3.51	2.88	5.37	2.88	2.16	2.33
15	1.60	5.47	12.05	4.30	3.81	4.78	3.64	2.81	8.09	2.78	2.18	2.21
16	1.58	3.54	13.15	4.09	3.58	7.32	9.28	2.74	5.71	2.77	2.16	2.14
17	1.56	3.03	5.43	3.93	3.46	10.76	12.62	2.68	3.78	2.83	2.11	2.10
18	1.54	3.69	4.61	3.85	3.39	7.55	13.74	2.64	3.22	2.87	2.08	2.06
19	1.54	6.71	--	3.78	3.32	4.91	13.15	2.60	2.92	2.74	2.08	2.04
20	1.54	6.51	--	3.73	3.25	4.24	8.19	2.56	2.75	2.58	2.06	2.03
21	1.53	4.04	5.31	8.20	3.26	3.85	5.61	2.51	2.80	2.48	2.06	2.00
22	1.65	3.34	4.63	11.38	3.35	3.60	4.96	2.48	2.71	2.40	2.03	1.98
23	2.02	3.01	4.14	7.27	3.32	3.44	4.40	2.43	2.62	2.45	2.00	1.98
24	1.95	2.84	3.76	4.93	3.29	8.21	6.20	2.40	2.52	3.36	1.98	2.07
25	1.87	4.45	3.49	4.66	3.33	13.91	13.45	2.37	2.43	3.47	1.96	2.25
26	2.15	6.44	3.31	10.36	3.34	13.18	13.17	2.40	2.36	3.00	1.95	2.19
27	4.23	4.75	3.18	11.83	3.25	7.65	8.30	2.65	2.29	2.67	1.93	2.12
28	4.99	3.67	3.09	9.29	3.53	5.11	5.02	2.49	2.24	2.49	1.93	5.45
29	3.38	3.22	3.03	7.36	-----	4.53	4.30	2.41	2.19	2.94	1.97	5.69
30	5.15	2.93	3.35	5.38	-----	4.20	3.90	2.32	2.15	2.68	2.10	3.89
31	6.02	-----	5.01	4.79	-----	4.00	-----	2.25	-----	8.35	2.18	-----
MAX	6.02	9.08	13.15	14.33	11.26	13.91	13.74	5.82	8.09	11.91	6.10	5.69
MIN	1.53	2.22	2.48	3.73	3.25	3.74	3.29	2.25	2.13	2.07	1.93	1.98

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.99	3.74	3.49	3.99	5.32	4.08	3.39	3.06	5.71	1.87	1.71	5.19
2	2.75	3.76	3.27	3.90	4.99	4.01	3.25	3.07	5.00	1.85	1.70	2.99
3	2.57	3.19	4.67	5.67	4.74	3.90	3.15	2.97	3.41	1.85	1.70	2.34
4	2.43	4.61	13.47	9.41	4.40	3.78	3.05	2.89	2.89	1.83	1.69	2.33
5	2.35	6.99	14.05	7.64	4.13	3.68	2.95	6.37	2.67	1.83	1.68	2.19
6	2.29	3.95	10.94	6.73	4.05	3.59	2.89	9.39	2.70	1.88	1.68	2.06
7	2.24	3.52	5.48	9.14	4.00	3.52	2.86	5.82	3.15	2.55	1.67	1.94
8	2.19	3.38	4.53	7.20	3.91	3.44	2.84	3.89	2.87	2.26	1.67	2.42
9	2.13	4.41	4.16	6.03	3.75	3.38	2.80	3.37	2.66	2.05	1.67	7.66
10	2.09	3.47	3.91	7.82	3.65	3.35	2.77	3.15	2.57	1.96	1.67	5.84
11	2.11	3.16	3.72	13.28	3.58	3.91	3.19	5.20	2.64	1.91	1.66	3.48
12	2.75	3.02	3.61	12.82	3.54	8.07	8.57	4.28	2.49	1.86	1.66	2.88
13	5.64	2.89	3.55	7.79	3.53	8.01	8.26	3.35	2.41	1.81	1.65	3.88
14	7.19	2.79	3.46	5.90	3.54	4.94	4.73	3.00	2.34	1.78	1.69	4.62
15	5.67	2.79	3.38	6.62	8.00	4.11	3.85	2.84	2.27	1.81	1.68	3.83
16	7.52	2.74	3.30	7.04	10.58	3.78	3.34	2.78	2.23	2.02	1.68	2.98
17	6.12	2.69	3.21	6.02	6.79	3.56	3.11	2.71	2.20	1.88	1.67	3.11
18	4.34	2.63	3.17	5.27	5.21	3.44	2.96	2.64	2.17	1.78	1.75	9.57
19	3.49	2.59	5.12	9.92	6.93	3.37	2.85	2.59	2.16	1.75	2.43	5.87
20	3.10	2.58	10.16	14.27	8.01	3.37	2.78	2.54	2.14	1.74	2.40	3.34
21	2.87	2.73	9.14	13.60	10.54	8.15	2.75	2.52	2.10	1.73	1.94	2.87
22	2.72	3.29	5.24	9.32	14.33	8.54	6.40	2.68	2.06	1.73	1.79	2.63
23	2.61	3.51	4.49	9.10	12.58	5.02	13.21	2.67	2.03	1.72	1.75	2.47
24	2.52	3.35	9.47	14.37	6.93	4.13	11.48	2.65	1.99	1.71	1.72	2.36
25	2.46	3.12	12.34	14.73	5.18	4.18	5.14	2.56	1.96	1.72	1.70	2.92
26	2.42	3.11	10.02	13.96	4.59	4.39	4.03	3.23	1.92	1.72	1.73	4.10
27	2.45	4.45	7.94	13.47	4.28	4.30	3.57	4.39	1.90	1.73	1.73	4.24
28	2.54	8.65	6.12	12.89	4.14	4.10	3.34	3.70	1.90	1.73	1.70	3.26
29	2.49	7.87	4.98	12.86	-----	4.45	3.19	2.90	1.89	1.72	1.74	2.80
30	2.42	5.09	4.56	8.89	-----	4.00	3.07	2.64	1.88	1.71	2.20	2.55
31	3.58	-----	4.28	6.07	-----	3.64	-----	3.22	-----	1.72	3.03	-----
MAX	7.52	8.65	14.05	14.73	14.33	8.54	13.21	9.39	5.71	2.55	3.03	9.57
MIN	2.09	2.58	3.17	3.90	3.53	3.35	2.75	2.52	1.88	1.71	1.65	1.94

SABINE RIVER BASIN

185

08023000 Bayou Castor near Logansport, La.

LOCATION.--Lat 31°58'25", long 93°58'10", in NE¼ sec.1, T.11 N., R.16 W., De Soto Parish, near center of span on downstream side of bridge on U. S. Highway 84, 1.7 mi (2.7 km) east of Logansport, and 2.5 mi (4.0 km) upstream from Bayou Grand Cane.

DRAINAGE AREA.--96.5 mi² (249.9 km²).

PERIOD OF RECORD.--October 1955 to September 1971. October 1971 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 171.20 ft (52.182 m) above mean sea level. Prior to Nov. 4, 1955, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--16 years (1956-71), 69.3 ft³/s (1.962 m³/s), 9.75 in/yr (248 mm/yr), 50,210 acre-ft/yr (61.91 hm³/yr).

EXTREMES.--Water year 1972: Maximum gage height, 10.78 ft (3.286 m) Jan. 5; minimum, 0.80 ft (0.244 m) Nov. 17, 18.

Water year 1973: Maximum gage height, 15.78 ft (4.810 m) Jan. 8; minimum, 0.97 ft (0.296 m) Oct. 22.

Water year 1974: Maximum gage height, 21.04 ft (6.413 m) Jan. 25; minimum, 0.85 ft (0.259 m) Aug. 17, 18.

Period of record: Maximum discharge, 8,030 ft³/s (277 m³/s) Apr. 6, 1956 (gage height, 23.33 ft or 7.111 m); no flow at times most years.

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.92	.89	1.20	3.12	4.31	1.96	2.70	1.73	1.30	1.11	1.48	1.07
2	.90	.89	1.20	4.40	3.25	3.03	2.38	4.42	1.28	1.08	1.42	1.05
3	.90	.88	2.04	6.44	2.89	5.51	2.19	6.81	1.25	1.05	1.40	1.05
4	.96	.85	2.74	7.51	2.64	4.17	2.59	5.40	1.22	8.30	1.38	1.04
5	.95	.85	2.73	9.33	2.42	3.10	2.45	3.16	1.21	9.42	1.33	1.04
6	.94	.85	2.70	10.32	2.30	2.69	2.17	2.53	1.20	5.88	1.28	1.03
7	.92	.85	3.93	6.01	6.88	2.44	2.05	2.21	1.16	2.78	1.23	1.01
8	.92	.84	4.39	4.21	8.04	2.31	1.95	2.05	1.13	2.26	1.20	.99
9	.91	.84	3.34	4.09	4.37	2.32	1.87	1.95	1.10	2.00	1.18	.97
10	.89	.83	2.60	4.03	3.25	2.15	1.80	1.86	1.09	1.84	1.15	1.17
11	.88	.83	2.25	4.22	2.91	2.06	1.76	1.77	1.08	1.75	1.12	1.06
12	.87	.82	2.06	3.47	2.86	2.01	1.74	1.75	1.06	1.68	1.11	1.02
13	.86	.82	1.90	3.04	3.04	1.96	1.72	1.78	1.05	1.63	1.10	.99
14	.86	.83	1.81	2.71	3.13	1.93	1.70	1.82	1.32	1.59	1.10	.96
15	.85	.82	1.94	2.46	2.87	1.92	1.66	1.75	1.38	1.65	1.09	.95
16	.84	.82	2.02	2.27	2.63	2.51	1.70	1.72	1.54	1.57	1.09	.94
17	.93	.82	2.78	2.15	2.51	4.57	1.65	1.65	1.53	1.52	1.17	1.32
18	.98	1.78	2.87	2.10	2.53	3.44	1.63	1.60	1.63	1.50	1.15	1.46
19	.96	1.37	2.49	2.06	2.36	2.75	1.60	1.56	1.47	1.49	1.12	1.26
20	.94	1.37	2.76	2.08	2.22	2.42	1.59	1.53	1.36	1.46	1.10	1.16
21	.94	1.40	2.03	2.11	2.14	3.89	1.62	1.50	1.35	1.43	1.08	1.11
22	.94	1.74	1.86	2.14	2.10	5.89	1.68	1.47	1.31	1.42	1.05	1.09
23	.94	1.67	1.73	2.10	2.07	4.34	1.69	1.45	1.35	1.42	1.24	1.43
24	.94	1.58	1.65	2.06	2.08	3.14	1.65	1.43	1.36	1.41	1.17	1.36
25	.94	1.48	2.08	2.02	2.07	2.80	1.59	1.42	1.35	1.41	1.13	1.63
26	.93	1.39	3.07	1.93	2.01	2.69	1.55	1.41	1.32	1.38	1.10	1.48
27	.93	1.31	3.07	1.87	1.97	2.51	1.53	1.41	1.28	1.36	1.11	1.35
28	.92	1.26	3.90	1.83	1.92	2.41	1.76	1.39	1.23	1.32	1.12	1.31
29	.91	1.28	3.82	1.85	1.90	3.84	1.90	1.36	1.18	1.31	1.12	1.27
30	.90	1.23	3.61	3.93	-----	4.39	1.81	1.34	1.15	1.39	1.10	2.34
31	.90	-----	3.35	5.42	-----	3.30	-----	1.32	-----	1.54	1.08	-----
MAX	.98	1.78	4.39	10.32	8.04	5.89	2.70	6.81	1.63	9.42	1.48	2.34
MIN	.84	.82	1.20	1.83	1.90	1.92	1.53	1.32	1.05	1.05	1.05	.94

08023000 Bayou Castor near Logansport, La.--Continued

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.73	3.45	2.14	4.06	4.66	2.30	3.58	4.79	1.54	2.53	4.75	1.41
2	1.52	2.48	2.00	3.18	6.98	2.75	3.34	4.75	1.50	2.14	3.72	1.34
3	1.40	2.08	1.92	3.07	6.30	2.80	3.18	4.77	1.47	1.73	2.68	1.37
4	1.34	1.82	1.86	3.95	3.68	2.68	3.01	4.71	1.54	1.44	2.19	1.33
5	1.30	1.66	1.83	4.59	3.25	3.39	2.87	4.74	3.44	1.38	1.91	2.50
6	1.25	1.57	1.82	6.60	3.05	3.38	2.75	4.92	4.48	1.39	1.77	2.98
7	1.21	1.51	1.79	9.62	2.92	5.60	3.13	5.35	3.68	2.55	2.14	3.61
8	1.18	1.48	1.82	14.96	3.26	7.07	4.05	5.65	2.71	6.48	2.36	2.65
9	1.15	3.07	2.73	14.19	5.59	4.18	4.47	5.32	2.21	7.87	2.55	2.07
10	1.11	2.49	3.59	8.55	5.65	3.43	5.37	4.92	2.02	5.77	1.86	1.79
11	1.08	2.03	4.87	4.29	3.70	4.52	4.34	4.64	2.11	3.14	1.66	3.25
12	1.06	1.78	5.57	3.74	3.23	4.76	3.23	4.47	2.28	2.79	1.57	3.10
13	1.05	3.20	4.07	3.48	3.05	3.51	2.93	4.00	2.39	2.37	1.51	2.15
14	1.03	5.43	3.83	3.33	3.40	3.06	2.74	3.67	3.60	2.12	1.47	1.79
15	1.02	5.24	6.80	3.20	3.32	3.24	2.65	3.37	4.82	1.98	1.42	1.63
16	1.00	3.05	8.54	3.06	2.95	3.83	4.27	3.13	5.23	1.91	1.43	1.53
17	.98	2.49	9.23	2.93	2.72	6.46	7.65	2.93	3.64	1.88	1.46	1.48
18	1.00	2.32	4.22	2.87	2.58	6.81	11.92	2.74	3.57	2.03	1.40	1.44
19	1.01	3.79	3.37	2.84	2.50	3.78	11.46	2.62	3.68	1.93	1.41	1.42
20	1.01	5.15	3.24	2.77	2.43	3.20	8.65	2.40	3.82	1.84	1.38	1.39
21	.99	3.49	3.86	3.85	2.37	2.90	4.41	2.20	4.01	1.73	1.35	1.38
22	1.13	2.78	3.44	6.58	2.32	2.72	3.91	2.01	4.10	1.66	1.34	1.37
23	1.21	2.44	3.15	7.17	2.35	2.58	3.59	1.84	4.12	1.62	1.33	1.36
24	1.30	2.22	2.88	3.97	2.40	2.75	3.32	1.72	4.07	1.61	1.31	1.35
25	1.26	2.68	2.68	3.46	2.35	9.77	8.25	1.71	3.93	2.21	1.29	1.36
26	1.21	3.93	2.51	5.29	2.33	13.67	11.85	1.69	3.74	2.74	1.27	1.53
27	3.00	4.04	2.40		2.38	8.42	9.21	1.64	3.55	1.88	1.25	1.50
28	3.64	3.06	2.30		2.37	4.34	4.48	1.77	3.33	1.72	1.23	2.22
29	2.93	2.61	2.25		-----	4.05	4.48	1.67	3.09	1.71	1.22	4.21
30	3.55	2.33	2.27		-----	3.93	4.67	1.63	2.85	2.12	1.22	3.49
31	4.07	-----	2.84		-----	3.79	-----	1.58	-----	3.47	1.27	-----
MAX	4.07	5.43	9.23	14.96	6.98	13.67	11.92	5.65	5.23	7.87	4.75	4.21
MIN	.98	1.48	1.79	--	2.32	2.30	2.65	1.58	1.47	1.38	1.22	1.33

GAGE HEIGHT, IN FEET, AT 0800, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.48	2.83	2.62	2.92	5.46	2.88	2.37	2.06	3.40	1.27	1.12	4.72
2	2.00	2.85	2.40	2.75	5.07	2.82	2.18	2.07	4.00	1.25	1.08	2.82
3	1.86	2.46	2.38	3.45	4.60	2.76	2.08	2.03	2.75	1.24	1.07	1.88
4	1.73	2.10	7.90	5.26	4.13	2.66	1.99	1.93	2.10	1.23	1.05	1.63
5	1.64	3.55	13.20	6.37	3.76	2.57	1.91	2.35	1.84	1.39	1.02	1.74
6	1.59	3.40	11.45	4.17	3.51	2.51	1.85	6.14	1.73	1.27	1.00	1.63
7	1.55	2.63	5.58	5.62	3.22	2.43	1.82	5.29	2.17	1.41	.98	1.60
8	1.52	2.45	4.80	5.72	3.05	2.37	1.80	3.09	1.96	1.63	.97	1.51
9	1.49	3.15	4.66	4.25	2.94	2.28	1.79	2.50	1.84	1.51	.97	5.00
10	1.45	2.72	4.40	4.23	2.78	2.23	1.76	2.24	1.78	1.40	.96	5.00
11	1.43	2.32	4.11	8.30	2.66	2.21	1.76	2.50	1.73	1.35	.95	3.08
12	1.53	2.16	3.82	10.25	2.59	3.86	4.70	3.64	1.69	1.30	.93	2.90
13	3.12	2.05	3.48	7.85	2.53	6.15	6.31	2.61	1.64	1.27	.91	2.93
14	4.87	1.94	3.17	4.28	2.45	3.86	3.59	2.26	1.70	1.24	.90	3.43
15	4.10	1.86	2.90	4.34	2.58	2.98	3.03	2.01	1.75	1.23	.90	3.12
16	5.12	1.81	2.66	4.80	6.74	2.65	2.47	1.92	1.73	1.21	.88	2.59
17	5.34	1.75	2.48	4.40	5.89	2.50	2.20	1.88	1.65	1.38	.87	2.17
18	3.50	1.72	2.40	3.80	3.69	2.31	2.04	1.80	1.55	1.30	.85	4.67
19	2.76	1.69	2.32	5.00	4.09	2.24	1.96	1.73	1.49	1.24	1.08	6.10
20	2.38	1.75	5.92	11.00	5.56	2.18	1.90	1.69	1.45	1.20	1.94	2.85
21	2.12	2.03	6.93	14.27	5.28	3.98	1.87	1.65	1.43	1.16	1.55	2.38
22	1.95	2.32	4.17	9.66	14.70	6.10	1.87	1.71	1.42	1.14	1.36	2.17
23	1.85	2.36	3.30	5.73	13.34	4.03	7.63	1.79	1.40	1.10	1.25	2.02
24	1.76	2.20	5.17	11.00	6.86	3.07	10.43	1.71	1.37	1.08	1.17	1.91
25	1.68	2.05	7.44	20.93	3.91	2.88	5.11	1.72	1.35	1.10	1.13	1.92
26	1.65	2.12	8.55	15.43	3.46	3.11	3.11	1.98	1.33	1.10	1.18	2.94
27	1.63	5.00	5.60	12.43	3.18	3.08	2.68	2.67	1.31	1.09	1.21	3.30
28	1.66	6.04	4.92	11.85	3.00	2.90	2.39	3.13	1.30	1.08	1.20	2.75
29	1.66	3.93	3.83	9.72	-----	3.22	2.22	2.13	1.29	1.07	1.17	2.34
30	1.63	3.08	3.43	9.27	-----	3.02	2.11	1.81	1.28	1.08	1.24	2.10
31	2.30	-----	3.17	6.01	-----	2.62	-----	1.72	-----	1.14	2.12	-----
MAX	5.34	6.04	13.20	20.93	14.70	6.15	10.43	6.14	4.00	1.63	2.12	6.10
MIN	1.43	1.69	2.32	2.75	2.45	2.18	1.76	1.65	1.28	1.07	.85	1.51

08025350 Toledo Bend Reservoir near Burkeville, Tex.

LOCATION.--Lat 31°10'25", long 93°33'57", Newton County, in power house at right end of Toledo Bend Dam, 15 mi (24 km) northeast of Burkeville, and at mile 156.5 (251.8 km).

DRAINAGE AREA.--7,178 mi² (18,591 km²).

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

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Sabine River Authority). Prior to July 20, 1967, non-recording gage read once daily at same site and datum. July 20, 1967, to June 30, 1973, recording gage at south end of spillway, 1.6 mi (2.6 km) north of present site at same datum.

EXTREMES.--Current year: Maximum contents, 4,694,000 acre-ft (5.79 km³) Jan. 21, elevation, 173.18 ft (52.785 m); minimum, 3,761,000 acre-ft (4.64 km³/s), elevation, 167.83 ft (51.155 m).

Period of record: Maximum contents, 4,739,000 acre-ft (5.84 km³) Mar. 21, 1969, elevation, 173.42 ft (52.858 m); minimum since initial filling of reservoir in June 1968, 3,517,000 acre-ft (4.34 km³) Oct. 22, 1972, elevation, 166.29 ft (50.685 m).

REMARKS.--Reservoir is formed by a rolled earthfill dam, 11,243 ft (3,430 m) long, including dikes. Closure at embankment completed and deliberate impoundment was begun Oct. 3, 1966. Reservoir is operated for hydro-electric power generation and water conservation. A gate-controlled, gravity-concrete, ogee weir is located near the left abutment of the dam. Net opening of 440 ft (134 m) is controlled by eleven 40- by 28-ft (12.2- by 8.5 m) tainter gates. A low-flow release sluiceway is located in an enlarged gate pier near the center of the spillway structure. This sluiceway is a single 8.33- by 12-ft (2.5- by 3.7 m) concrete conduit controlled by a single gate. Two 20-inch- (508-m) diameter conduits are provided which bypass the sluice gate. Water for turbines is admitted through four 16.75- by 29-ft (5.1- by 8.8 m) penstocks and controlled by vertically operated caterpillar-type gates. For statement regarding regulation by Soil Conservation Service floodwater-retarding structures, see Lake Fork Creek near Quitman (sta 08019000, WRD TEXAS). For statement regarding regulation by upstream reservoirs, see Sabine River near Logansport (sta 08022500). Data regarding dam and reservoir are given in the following table:

	Elevation (feet)	Capacity (acre-feet)
Top of dam.....	185.0	--
Maximum design water surface.....	175.3	5,102,000
Top of gates.....	173.0	4,660,000
Top of power drawdown storage.....	172.0	4,476,000
Top of power head storage.....	162.2	2,922,000
Spillway crest (controlled).....	145.0	1,162,000
Invert of low-flow release sluiceway.....	100.0	4,090

COOPERATION.--Capacity table furnished by Sabine River Authority, based on Geological Survey 15-minute quadrangle sheets, scale 1:62,500 with 20-ft (6.1 m) contour intervals.

Capacity table (elevation, in feet, and total contents, in acre-feet)

167.8	3,756,000	172.0	4,476,000
168.0	3,788,000	173.2	4,698,000
170.0	4,123,000	173.3	4,716,000

CONTENTS, IN THOUSANDS OF ACRE-FEET, AT 2400, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,019	4,328	4,440	4,549	4,573	4,456	4,429	4,454	4,417	4,386	4,098	3,805
2	4,011	4,366	4,435	4,558	4,588	4,431	4,402	4,458	4,409	4,372	4,080	3,824
3	3,992	4,384	4,485	4,575	4,582	4,413	4,422	4,453	4,404	4,368	4,076	3,816
4	3,977	4,406	4,538	4,544	4,566	4,417	4,424	4,453	4,377	4,368	4,073	3,807
5	3,972	4,429	4,568	4,538	4,558	4,418	4,417	4,476	4,342	4,364	4,057	3,790
6	3,965	4,422	4,603	4,566	4,612	4,399	4,377	4,471	4,336	4,368	4,040	3,774
7	3,967	4,433	4,614	4,560	4,501	4,381	4,377	4,462	4,338	4,355	4,034	3,782
8	3,968	4,436	4,618	4,560	4,579	4,357	4,418	4,458	4,317	4,347	4,026	3,793
9	3,963	4,458	4,647	4,573	4,570	4,342	4,386	4,449	4,355	4,350	4,009	3,782
10	3,962	4,436	4,631	4,603	4,558	4,311	4,347	4,454	4,368	4,333	4,021	3,766
11	3,963	4,431	4,601	4,599	4,547	4,313	4,490	4,490	4,366	4,329	4,004	3,767
12	3,962	4,417	4,612	4,575	4,535	4,347	4,529	4,485	4,377	4,315	3,994	3,775
13	4,032	4,418	4,623	4,572	4,526	4,342	4,551	4,429	4,372	4,292	3,977	3,772
14	4,044	4,413	4,610	4,579	4,522	4,342	4,577	4,465	4,383	4,319	3,977	3,769
15	4,075	4,433	4,596	4,575	4,540	4,355	4,553	4,467	4,400	4,306	3,953	3,772
16	4,121	4,415	4,568	4,566	4,518	4,375	4,549	4,453	4,418	4,288	3,940	3,780
17	4,135	4,400	4,518	4,545	4,490	4,368	4,540	4,462	4,417	4,271	3,923	3,778
18	4,155	4,406	4,513	4,542	4,490	4,373	4,522	4,472	4,427	4,260	3,928	3,782
19	4,177	4,377	4,596	4,632	4,472	4,381	4,507	4,469	4,424	4,249	3,917	3,782
20	4,197	4,413	4,570	4,688	4,427	4,417	4,483	4,471	4,438	4,239	3,912	3,783
21	4,218	4,406	4,522	4,677	4,494	4,422	4,472	4,480	4,431	4,230	3,897	3,800
22	4,237	4,426	4,524	4,656	4,480	4,399	4,490	4,485	4,435	4,213	3,880	3,800
23	4,251	4,418	4,489	4,649	4,463	4,481	4,494	4,469	4,460	4,189	3,864	3,793
24	4,260	4,436	4,588	4,607	4,513	4,436	4,502	4,456	4,465	4,180	3,854	3,793
25	4,275	4,435	4,596	4,588	4,474	4,444	4,490	4,426	4,453	4,168	3,860	3,811
26	4,283	4,440	4,596	4,603	4,453	4,462	4,471	4,453	4,442	4,175	3,831	3,810
27	4,313	4,463	4,577	4,647	4,444	4,458	4,458	4,431	4,436	4,157	3,821	3,795
28	4,315	4,436	4,566	4,638	4,462	4,449	4,453	4,404	4,422	4,154	3,802	3,832
29	4,313	4,435	4,586	4,642	-----	4,458	4,463	4,400	4,404	4,133	3,802	3,823
30	4,276	4,435	4,572	4,603	-----	4,435	4,474	4,381	4,415	4,120	3,795	3,818
31	4,350	-----	4,597	4,594	-----	4,408	-----	4,411	-----	4,113	3,805	-----
MAX	4,350	4,463	4,647	4,688	4,612	4,481	4,577	4,490	4,465	4,386	4,098	3,832
MIN	3,962	4,328	4,435	4,538	4,427	4,311	4,347	4,381	4,317	4,113	3,795	3,766
CAL YR 1973	MAX	4,647	MIN	3,962								
WTR YR 1974	MAX	4,688	MIN	3,766								

08025500 Bayou Toro near Toro, La.

LOCATION.--Lat 31°18'25", long 93°30'56", in SW¼ sec.20, T.4 N., R.11 W., Sabine Parish, near right bank on downstream side of bridge on State Highway 473, 0.2 mi (0.3 km) upstream from Hamby Creek, 2.5 mi (0.8 km) northeast of Toro, and 7.8 mi (12.5 km) west of Hornbeck.

DRAINAGE AREA.--148 mi² (383 km²).

PERIOD OF RECORD.--October 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 138.00 ft (42.062 m) above mean sea level (Louisiana Geodetic Survey bench mark; levels by Louisiana Department of Public Works).

AVERAGE DISCHARGE.--19 years, 124 ft³/s (3.511 m³/s), 11.38 in/yr (289 mm/yr), 89,840 acre-ft/yr (111 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 23,900 ft³/s (677 m³/s) Apr. 12 (gage height, 24.69 ft or 7.526 m); minimum, 7.5 ft³/s (0.21 m³/s) Aug. 24; minimum gage height, 2.85 ft (0.869 m) July 29, 30, Aug. 24.
Period of record: Maximum discharge, 31,200 ft³/s (883 m³/s) Apr. 9, 1968 (gage height, 25.73 ft or 7.842 m) from rating curve extended above 13,000 ft³/s (510 m³/s); minimum, 0.1 ft³/s (0.003 m³/s) Sept. 29, 30, Oct. 1-3, 1956; minimum gage height, 2.40 ft (0.732 m) Sept. 30, Oct. 1, 1956.

REMARKS.--Records good. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19	45	40	102	317	84	59	65	48	11	35	39
2	15	46	34	87	278	80	55	77	56	12	27	32
3	14	29	34	150	240	77	46	84	41	9.5	19	24
4	15	21	510	348	198	73	40	66	33	9.0	126	18
5	15	21	672	246	173	69	34	70	28	9.3	40	14
6	16	21	215	202	167	64	30	106	25	36	15	13
7	14	22	111	322	172	62	29	85	23	106	11	12
8	13	21	78	287	181	57	28	62	22	62	9.8	123
9	13	20	62	365	159	55	27	48	21	36	9.5	376
10	12	19	54	472	133	56	25	43	23	22	9.5	246
11	12	18	48	507	121	68	167	209	23	16	12	87
12	14	17	45	425	114	229	15,400	403	22	14	14	55
13	23	16	43	236	109	226	7,360	188	19	13	13	95
14	102	15	41	190	106	111	2,150	91	17	60	12	63
15	94	15	39	227	129	76	550	62	17	186	23	40
16	128	15	36	202	252	64	280	52	16	59	16	34
17	155	14	33	164	241	57	220	46	16	31	11	28
18	70	14	31	142	149	51	152	41	16	21	9.5	25
19	40	14	34	766	163	50	156	36	15	16	8.3	22
20	29	22	77	2,220	208	49	138	62	14	15	7.9	19
21	23	80	132	1,930	188	57	126	71	13	13	8.1	17
22	20	76	73	1,030	383	123	123	144	13	13	8.5	15
23	18	41	53	367	194	75	344	85	13	12	8.1	13
24	16	30	920	1,700	149	55	343	59	12	11	7.7	12
25	15	162	1,200	2,930	115	69	172	43	11	11	9.0	12
26	14	248	908	3,320	95	141	121	71	10	11	11	15
27	14	123	352	2,180	87	349	97	199	9.8	10	15	21
28	14	141	222	3,010	85	292	44	108	9.5	10	20	24
29	13	104	164	2,550	-----	166	74	55	9.3	9.5	16	19
30	13	57	139	1,160	-----	114	67	41	9.0	9.8	19	15
31	18	-----	120	420	-----	77	-----	37	-----	57	34	-----
TOTAL	491	1,487	6,520	28,257	4,907	3,176	28,497	2,809	604.6	911.1	584.9	1,528
MEAN	32.0	49.6	210	912	175	102	950	90.6	20.2	29.4	18.9	50.9
MAX	155	248	1,200	3,320	383	349	15,400	403	56	186	126	376
MIN	12	14	31	87	85	49	25	36	9.0	9.0	7.7	12
CFSM	.22	.34	1.46	6.33	1.22	.71	6.60	.63	.14	.20	.13	.35
IN.	.26	.38	1.68	7.30	1.27	.82	7.36	.73	.16	.24	.15	.39
AC-FT	1,970	2,950	12,930	56,050	9,730	6,300	56,520	5,570	1,200	1,810	1,160	3,030
CAL YR 1973	TOTAL 84,018.1	MEAN 230	MAX 4,050	MIN 9.3	CFSM 1.60	IN 21.70	AC-FT 166,600					
WTR YR 1974	TOTAL 80,272.6	MEAN 220	MAX 15,400	MIN 7.7	CFSM 1.53	IN 20.74	AC-FT 159,200					

PEAK DISCHARGE (BASE, 1,200 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12-24	1630	11.09	1,410	1-28	1300	16.93	3,560
1-20	0900	14.01	2,350	4-12	1700	24.69	23,900
1-26	0045	17.12	3,670				

SABINE RIVER BASIN

08025500 Bayou Toro near Toro, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.23	3.74	3.67	4.33	5.92	4.17	4.01	3.99	3.78	2.97	3.48	3.65
2	3.13	3.76	3.56	4.20	5.66	4.14	3.96	4.11	3.88	3.03	3.33	3.51
3	3.10	3.45	3.55	4.73	5.40	4.11	3.84	4.16	3.68	2.94	3.15	3.36
4	3.12	3.29	7.08	6.11	5.10	4.07	3.75	4.00	3.53	2.92	4.38	3.21
5	3.13	3.28	7.98	5.44	4.91	4.03	3.64	4.04	3.44	2.93	3.61	3.10
6	3.16	3.28	5.22	5.13	4.86	3.98	3.56	4.37	3.38	3.39	3.13	3.08
7	3.11	3.31	4.41	5.95	4.90	3.95	3.54	4.18	3.33	4.33	3.01	3.02
8	3.08	3.29	4.12	5.72	4.97	3.90	3.53	3.95	3.30	3.94	2.95	4.00
9	3.05	3.26	3.96	6.22	4.80	3.87	3.50	3.79	3.28	3.53	2.94	6.28
10	3.03	3.24	3.86	6.86	4.59	3.89	3.46	3.72	3.33	3.25	2.94	5.41
11	3.03	3.20	3.78	7.06	4.49	4.02	4.20	5.06	3.33	3.11	3.03	4.20
12	3.10	3.18	3.74	6.58	4.43	5.32	22.58	6.45	3.31	3.04	3.10	3.88
13	3.34	3.15	3.71	5.37	4.39	5.30	19.98	5.00	3.24	3.00	3.05	4.26
14	4.33	3.13	3.69	5.04	4.37	4.41	13.29	4.24	3.19	3.84	3.04	3.96
15	4.26	3.13	3.65	5.31	4.56	4.10	7.23	3.96	3.18	4.98	3.31	3.66
16	4.55	3.12	3.59	5.13	5.49	3.98	5.67	3.84	3.16	3.85	3.17	3.55
17	4.77	3.11	3.53	4.84	5.41	3.90	5.25	3.76	3.16	3.40	3.01	3.44
18		3.11	3.50	4.67	4.72	3.83	4.93	3.67	3.16	3.19	2.94	3.37
19		3.11	3.56	8.45	4.83	3.81	4.78	3.60	3.14	3.09	2.89	3.30
20	3.45	3.30	4.11	13.63	5.17	3.80	4.63	3.93	3.09	3.03	2.87	3.23
21	3.33	4.14	4.58	12.78	5.02	3.90	4.53	4.05	3.08	2.99	2.88	3.18
22	3.25	4.10	4.07	9.72	6.33	4.53	4.50	4.67	3.05	2.96	2.90	3.13
23	3.20	3.68	3.85	6.23	5.07	4.18	6.05	4.18	3.06	2.94	2.88	3.08
24	3.17	3.48	9.22	12.07	4.72	3.97	6.05	3.92	3.02	2.92	2.86	3.04
25	3.14	4.82	10.34	15.57	4.44	4.12	4.90	3.71	3.00	2.91	2.92	3.14
26	3.10	5.46	9.16	16.44	4.27	4.72	4.49	4.02	2.96	2.89	2.99	3.12
27	3.10	4.51	6.14	13.51	4.20	6.13	4.29	5.11	2.95	2.88	3.14	3.27
28	3.09	4.66	5.27	15.78	4.18	5.76	4.16	4.37	2.94	2.87	3.26	3.36
29	3.07	4.35	4.84	14.56	-----	4.89	4.08	3.87	2.93	2.85	3.16	3.23
30	3.05	3.90	4.64	10.20	-----	4.51	4.01	3.67	2.92	2.86	3.23	3.13
31	3.22	-----	4.48	6.55	-----	4.20	-----	3.62	-----	3.77	3.55	-----
MAX		5.46	10.34	16.44	6.33	6.13	22.58	6.45	3.88	4.98	4.38	6.28
MIN	3.03	3.11	3.50	4.20	4.18	3.80	3.46	3.60	2.92	2.85	2.86	3.02

08026000 Sabine River below Toledo Bend near Burkeville, Tex.

LOCATION.--Lat 31°03'50", long 93°31'10", Newton County, Tex.-Vernon Parish, La. State line, near left edge of low-water channel at downstream side of bridge on State Highway 63, about 200 ft (61 m) downstream from Pearl Creek, 10 mi (16 km) northeast of Burkeville, 16 mi (26 km) downstream from Bayou Toro, and at mile 139.7 (224.8 km).

DRAINAGE AREA.--7,482 mi² (19,378 km²).

PERIOD OF RECORD.--September 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 70.59 ft (21.516 m) above mean sea level. Prior to Aug. 23, 1958, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--11 years (1955-66) prior to completion of Toledo Bend Reservoir, 4,653 ft³/s (131.8 m³/s), 3,371,000 acre-ft/yr (4.16 km³/yr); 8 years (1967-74) regulated, 4,742 ft³/s (134.3 m³/s), 3,436,000 acre-ft/yr (4.24 km³/yr).

EXTREMES.--Current year: Maximum discharge, 80,600 ft³/s (2,280 m³/s) Jan. 29, gage height, 34.20 ft (10.424 m); minimum daily, 214 ft³/s (6.06 m³/s) Oct. 30.

Period of record: Maximum discharge, 80,600 ft³/s (2,280 m³/s) Jan. 29, 1974, gage height, 34.20 ft (10.424 m); minimum daily, 38 ft³/s (1.08 m³/s) Sept. 14, 15, 1967.

Maximum stage since at least 1860, 35.9 ft (10.94 m) in May 1884, from information by local resident. Flood of Apr. 15, 1945, reached a stage of 35.8 ft (10.91 m), and flood of May 23, 1953, reached a stage of 35.3 ft (10.76 m), from floodmarks.

REMARKS.--Records fair. Flow regulated by Toledo Bend Reservoir (sta 08025350) 16.8 mi (27.0 km) upstream, capacity, 4,660,000 acre-ft (5.75 km³). Water-quality records for the current year are published in Part 2 of this report.

REVISIONS.--WSP 1732: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9,230	311	8,120	14,500	41,400	9,370	6,430	7,010	7,270	3,220	5,710	495
2	7,920	268	8,160	14,500	34,300	13,600	3,860	7,030	3,650	5,680	5,590	378
3	8,090	265	7,930	15,100	29,200	13,900	3,630	6,450	2,410	5,780	5,560	2,640
4	8,560	253	9,730	15,300	25,200	11,600	1,830	6,880	4,590	3,100	3,200	5,220
5	8,560	4,080	14,800	15,000	17,900	7,180	1,240	7,180	4,940	3,050	2,730	5,250
6	3,800	7,670	15,100	14,500	15,400	6,820	5,770	7,100	4,970	5,610	5,430	5,540
7	474	7,520	14,700	14,400	14,800	11,400	4,980	7,090	5,400	4,260	5,300	5,450
8	333	7,610	14,400	15,400	14,500	13,700	844	6,970	5,200	4,120	5,530	3,180
9	287	7,910	14,300	16,000	14,200	14,400	331	7,140	5,000	5,520	6,330	5,030
10	268	8,420	14,900	15,700	14,100	14,400	294	7,190	4,500	5,270	4,560	7,610
11	271	8,020	20,600	16,600	14,200	14,400	500	7,940	4,800	5,290	1,730	7,490
12	384	7,830	19,400	19,800	14,700	4,250	7,960	7,900	4,800	5,260	2,170	6,010
13	529	7,760	15,500	18,800	14,200	739	20,500	7,680	4,600	5,300	5,430	5,570
14	506	7,980	18,700	15,400	13,900	544	15,100	6,190	4,500	3,120	5,590	5,710
15	446	7,950	19,000	14,700	13,800	409	11,300	7,410	4,500	2,740	5,840	2,970
16	533	8,140	19,600	15,200	13,900	347	7,720	7,110	3,000	5,330	5,500	2,890
17	630	8,090	18,700	14,800	13,900	310	5,610	7,360	4,500	5,370	5,560	5,450
18	470	8,210	14,900	14,500	13,900	293	5,770	7,310	5,000	5,230	3,160	5,420
19	351	8,270	14,700	15,600	15,000	284	7,060	7,600	5,000	5,190	2,760	5,420
20	302	8,370	14,700	24,000	14,500	266	7,350	7,660	6,200	5,300	5,340	5,460
21	278	8,610	14,300	32,900	14,500	583	7,480	7,630	6,200	5,760	5,390	5,530
22	263	4,310	14,200	36,300	15,000	2,710	7,590	7,780	5,800	5,020	5,750	3,060
23	251	4,460	14,300	37,200	14,200	3,260	7,360	6,660	3,000	5,350	5,510	1,770
24	243	8,040	16,100	39,500	14,000	3,280	7,480	7,830	5,000	5,370	5,380	3,000
25	238	8,560	19,800	45,100	14,500	3,470	7,280	8,000	5,200	5,220	3,010	3,000
26	233	8,730	19,900	50,400	13,000	3,280	6,950	7,800	6,000	5,230	2,610	2,970
27	228	8,730	20,100	63,000	11,000	4,050	7,180	8,100	6,200	5,420	5,400	2,930
28	225	8,580	18,700	75,700	8,920	6,670	6,910	7,800	5,060	3,100	6,300	3,060
29	216	8,580	15,600	77,900	-----	6,680	6,880	7,000	5,310	2,670	6,000	1,700
30	214	8,570	17,100	58,000	-----	6,400	6,620	6,000	2,980	5,370	6,120	1,560
31	324	-----	15,100	48,100	-----	6,470	-----	7,090	-----	5,650	3,380	-----
TOTAL	54,657	202,097	433,740	983,900	468,120	185,065	189,809	225,890	146,580	147,900	147,870	121,763
MEAN	1,763	6,737	15,600	28,510	16,720	5,970	6,327	7,287	4,886	4,771	4,770	4,059
MAX	9,230	8,730	20,600	77,900	41,400	14,400	20,500	8,100	7,270	5,780	6,330	7,610
MIN	214	253	7,930	14,400	8,920	266	294	6,000	2,410	2,670	1,730	378
AC-FT	168,400	400,900	459,500	1,753M	928,500	367,100	376,500	448,100	290,700	293,400	293,300	241,500

CAL YR 1973 TOTAL 3,848,892 MEAN 10,540 MAX 38,600 MIN 214 AC-FT 7,634,000
 WTR YR 1974 TOTAL 3,257,391 MEAN 8,924 MAX 77,900 MIN 214 AC-FT 6,461,000

SABINE RIVER BASIN

08028000 Bayou Anacoco near Rosepine, La.

LOCATION.--Lat 30°57'10", long 93°21'10", on line between secs. 25 and 26, T.1 S., R.10 W., Vernon Parish, near center of span on downstream side of bridge on parish road from Rosepine to Evans, just downstream from Pocosin Creek, and 4.8 mi (7.7 km) northwest of Rosepine.

DRAINAGE AREA.--365 mi² (945 km²).

PERIOD OF RECORD.--October 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 118.09 ft (35.994 m) above mean sea level, unadjusted. Prior to Nov. 11, 1954, non-recording gage at same site and datum.

AVERAGE DISCHARGE.--23 years, 421 ft³/s (11.923 m³/s), 15.66 in/yr (398 mm/yr), 305,000 acre-ft/yr (376 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 6,440 ft³/s (182 m³/s) Jan. 27 (gage height, 20.54 ft or 6.261 m); minimum, 19 ft³/s (0.54 m³/s) June 30, July 1 (gage height, 2.86 ft or 0.872 m).

Period of record: Maximum discharge, 64,300 ft³/s (1,820 m³/s) May 19, 1953 (gage height, 28.38 ft or 8.650 m); minimum, 5.5 ft³/s (0.16 m³/s) Sept. 30, 1956.

REMARKS.--Records good. Some effect from storage in Anacoco Lake (usable capacity 41,300 acre-ft or 50.9 hm³) except January 1956 to September 1958 and Vernon Lake (usable capacity 58,000 acre-ft or 71.5 hm³) since May 1963. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

REVISIONS.--WSP 2122: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	220	190	264	475	1,670	243	322	118	187	21	131	64
2	212	163	224	384	1,200	235	405	136	171	29	104	80
3	167	135	217	1,050	956	228	335	126	151	35	71	249
4	141	176	1,740	2,030	769	221	281	113	121	26	55	95
5	124	677	2,020	1,910	621	221	224	905	104	28	46	60
6	118	641	1,460	1,270	595	218	171	1,280	86	24	39	41
7	104	421	847	1,170	803	205	128	777	71	35	35	35
8	95	303	599	1,190	1,210	197	721	494	69	49	32	219
9	85	258	464	1,740	962	189	820	356	69	65	130	803
10	76	232	375	2,390	679	268	600	272	85	36	194	352
11	80	174	311	2,570	539	1,100	400	671	101	28	196	163
12	173	141	267	2,040	455	703	300	1,280	76	26	198	193
13	236	125	239	1,560	413	455	700	989	64	22	433	128
14	336	114	231	1,210	380	322	1,200	679	56	35	502	95
15	384	107	211	977	474	251	900	503	49	64	487	70
16	367	104	194	826	793	221	700	387	44	132	487	59
17	565	98	173	721	661	200	400	302	42	141	455	52
18	484	84	154	637	487	172	300	243	41	113	445	78
19	326	83	303	1,040	641	173	240	207	37	89	469	49
20	244	114	1,210	2,750	491	167	200	185	35	76	430	41
21	193	261	996	3,140	579	218	180	200	32	66	411	36
22	159	258	583	3,070	903	181	350	267	30	58	401	33
23	136	224	445	2,140	657	150	300	320	28	56	368	30
24	117	215	545	1,870	455	151	249	312	25	58	94	28
25	102	840	1,190	3,030	370	311	214	238	27	52	43	28
26	92	641	1,430	4,390	308	554	176	246	26	40	51	31
27	83	518	1,390	6,090	273	1,500	148	328	23	41	63	35
28	78	503	1,160	5,360	254	1,160	130	311	21	35	50	33
29	73	418	851	4,220	-----	693	118	242	20	31	58	29
30	64	327	675	3,210	-----	509	110	194	20	25	110	30
31	115	-----	550	2,490	-----	397	-----	171	-----	48	101	-----
TOTAL	5,749	4,549	21,318	66,950	18,608	11,813	11,326	12,852	1,911	1,584	6,689	3,239
MEAN	185	285	688	2,160	665	381	378	415	63.7	51.1	216	108
MAX	565	840	2,020	6,090	1,670	1,500	1,200	1,280	187	141	502	803
MIN	64	83	154	384	254	150	110	113	20	21	32	28
CFSM	.51	.74	1.88	5.92	1.82	1.04	1.04	1.14	.17	.14	.59	.30
IN.	.59	.87	2.17	6.82	1.90	1.20	1.15	1.31	.19	.16	.68	.33
AC-FT	11,400	16,960	42,280	132,800	36,910	23,430	22,470	25,490	3,790	3,140	13,270	6,420
CAL YR 1973	TOTAL 321,898	MEAN 582	MAX 13,200	MIN 37	CFSM 2.42	IN 32.81	AC-FT 638,500					
WTR YR 1974	TOTAL 170,588	MEAN 467	MAX 6,090	MIN 20	CFSM 1.28	IN 17.39	AC-FT 338,400					

SABINE RIVER BASIN

193

08028000 Bayou Anacoco near Rosepine, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.70	4.43	4.92	6.22	11.96	4.78	5.30	3.82	4.31	2.88	3.93	3.36
2	4.58	4.23	4.64	5.68	9.83	4.72	5.80	3.98	4.17	2.98	3.72	3.47
3	4.26	4.02	4.59	9.11	8.67	4.67	5.40	3.90	4.01	3.05	3.43	4.81
4	4.06	4.29	12.24	13.44	7.77	4.62	5.03	3.79	3.86	2.95	3.27	3.63
5	3.93	7.25	13.40	12.97	7.03	4.62	4.64	8.28	3.72	2.97	3.18	3.31
6	3.88	7.13	11.02	10.15	6.89	4.60	4.25	10.16	3.56	2.92	3.10	3.12
7	3.76	5.90	8.15	9.69	7.94	4.51	3.92	7.80	3.43	3.05	3.04	3.05
8	3.68	5.18	6.91	9.79	9.87	4.45	6.82	6.32	3.41	3.21	3.02	4.34
9	3.59	4.88	6.15	12.25	8.70	4.39	--	5.50	3.41	3.37	3.88	7.92
10	3.50	4.70	5.63	14.88	7.32	4.96	--	4.97	3.55	3.07	4.43	5.47
11	3.54	4.28	5.23	15.58	6.58	9.38	--	7.15	3.69	2.97	4.44	4.18
12	4.30	4.02	4.94	13.48	6.16	7.44	--	10.19	3.47	2.95	4.45	4.41
13	4.74	3.89	4.75	11.44	5.85	6.10	--	8.82	3.36	2.90	5.97	3.92
14	5.39	3.80	4.69	9.88	5.66	5.30	--	7.32	3.28	3.06	6.37	3.64
15	5.68	3.74	4.55	8.77	6.21	4.83	--	6.37	3.21	3.36	6.29	3.42
16	5.57	3.72	4.43	8.05	7.89	4.62	--	5.69	3.15	3.94	6.29	3.31
17	6.72	3.67	4.27	7.53	7.23	4.47	--	5.14	3.13	4.02	6.10	3.24
18	6.26	3.58	4.12	7.11	6.29	4.26	--	4.74	3.12	3.79	6.04	3.49
19	5.33	3.54	5.18	9.07	7.13	4.27	--	4.46	3.08	3.59	6.18	3.21
20	4.80	3.80	9.85	16.24	6.31	4.22	--	4.28	3.05	3.47	5.95	3.12
21	4.45	4.90	8.86	17.56	6.80	4.60	--	4.39	3.02	3.38	5.84	3.07
22	4.20	4.88	6.82	17.37	8.42	4.33	--	4.90	3.00	3.30	5.78	3.03
23	4.02	4.64	6.04	13.93	7.21	4.09	--	5.27	2.97	3.28	5.58	3.00
24	3.87	4.58	6.61	12.81	6.10	4.10	4.82	5.22	2.94	3.30	3.59	2.98
25	3.74	8.12	9.77	17.23	5.60	5.23	4.57	4.69	2.96	3.23	3.14	2.97
26	3.65	7.13	10.87	19.44	5.21	6.66	4.29	4.76	2.95	3.11	3.22	3.01
27	3.57	6.46	10.68	20.43	4.98	11.17	4.08	5.32	2.91	3.12	3.35	3.06
28	3.52	6.38	9.62	20.13	4.85	9.63	3.93	5.21	2.89	3.06	3.22	3.03
29	3.47	5.88	8.17	19.26	-----	7.39	3.83	4.71	2.87	3.01	3.29	2.99
30	3.38	5.33	7.30	17.76	-----	6.41	3.77	4.36	2.87	2.94	3.75	3.00
31	3.83	-----	6.64	15.26	-----	5.76	-----	4.17	-----	3.18	3.69	-----
MAX	6.72	8.12	13.40	20.43	11.96	11.17	--	10.19	4.31	4.02	6.37	7.92
MIN	3.38	3.54	4.12	5.68	4.85	4.09	3.77	3.79	2.87	2.88	3.02	2.97

SABINE RIVER BASIN

08028500 Sabine River near Bon Wier, Tex.

LOCATION.--Lat 30°44'49", long 95°36'30", Beauregard Parish, La.-Newton County, Tex. State line, near left bank at downstream side of bridge on U.S. Highway 190, 0.7 mi (1.1 km) upstream from Quicksand Creek, 0.8 mi (1.3 km) upstream from Gulf, Colorado, and Santa Fe Railway Co. bridge, 2.0 mi (3.2 km) east of Bon Wier, 2.4 mi (3.9 km) upstream from Caney Creek, and at mile 97.7 (157.2 km).

DRAINAGE AREA.--8,229 mi² (21,313 km²).

PERIOD OF RECORD.--October 1923 to current year. Monthly discharge only for some periods, published in WSP 1312. Gage-height records records collected in this vicinity since 1913 are contained in reports of the National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 46.42 ft (14.149 m) above mean sea level. Prior to July 8, 1931, nonrecording gage at site 0.8 mi (1.3 km) downstream at same datum. July 8, 1931, to Oct. 15, 1958, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--43 years (1923-66) prior to completion of Toledo Bend Reservoir, 6,846 ft³/s (193.9 m³/s), 4,960,000 acre-ft/yr (6.12 km³/yr); 8 years (1967-74) regulated, 5,658 ft³/s (160.4 m³/s), 4,099,000 acre-ft/yr (5.05 km³/yr).

EXTREMES.--Current year: Maximum discharge, 78,600 ft³/s (2,230 m³/s) Jan. 29, gage height, 23.53 ft (7.172 m); minimum daily, 764 ft³/s (21.6 m³/s) Oct. 30.

Period of record: Maximum discharge, 115,000 ft³/s (3,260 m³/s) May 19, 1953, gage height, 25.70 ft (7.833 m); minimum daily, 134 ft³/s (3.79 m³/s) Nov. 9, 1966.

Maximum stage since at least 1833, 30.5 ft (9.30 m) Apr. 23 or 24, 1913, from information by Gulf, Colorado, and Santa Fe Railway Co. and local residents. Flood in May 1884 reached a stage of 26 ft (7.9 m). Floods occurring about 1844 and 1860 were higher than flood in May 1884, from information by local residents.

REMARKS.--Records fair. Flow regulated by Toledo Bend Reservoir (sta 08025350) located 58.8 mi (94.6 km) upstream.

REVISIONS (WATER YEARS).--WSP 1342: 1953. WSP 1442: 1924, 1926-27(M), 1929(M), 1939. WSP 1732: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6,900	1,180	8,830	16,400	61,100	10,800	8,180	7,660	7,790	3,020	6,410	3,700
2	8,040	1,160	8,530	15,600	52,200	11,200	7,370	7,890	7,910	4,020	6,370	1,520
3	8,520	997	8,530	16,000	42,500	14,600	5,510	7,870	3,730	5,850	6,170	1,450
4	8,700	948	11,000	18,200	36,500	15,100	5,030	7,160	4,000	5,990	6,030	4,100
5	8,960	1,540	15,400	18,600	32,100	11,700	2,670	7,720	5,270	3,110	3,160	5,920
6	8,460	6,840	17,600	18,100	24,600	8,600	3,190	8,870	5,620	4,020	4,060	5,940
7	3,600	8,740	17,100	17,500	19,400	9,480	6,780	9,010	5,550	5,840	5,810	6,230
8	1,380	8,510	16,300	17,500	18,200	13,400	5,200	8,490	5,710	4,480	5,770	6,320
9	1,120	8,220	15,500	19,100	17,500	15,100	1,900	8,150	5,660	5,000	6,080	5,280
10	1,020	8,280	15,100	20,300	16,800	15,900	1,270	8,210	5,630	5,880	6,900	8,280
11	981	8,660	16,900	19,700	16,300	17,400	1,150	8,840	5,260	5,830	4,840	8,890
12	1,160	8,460	20,400	21,200	16,100	16,100	2,200	10,500	5,530	5,740	2,410	8,560
13	2,460	8,240	19,200	23,100	16,100	6,580	13,800	10,200	5,460	5,680	3,590	7,120
14	2,640	8,240	17,100	21,500	16,000	2,710	21,300	9,360	5,390	5,790	6,430	6,590
15	2,060	8,560	19,200	18,300	15,700	2,120	18,000	7,570	5,250	3,090	6,540	6,540
16	1,790	8,500	20,200	17,200	16,000	1,830	14,500	8,690	4,960	4,140	6,920	3,260
17	2,580	8,600	20,300	17,000	16,300	1,620	10,900	8,180	2,830	5,850	6,550	4,010
18	2,410	8,480	18,900	16,600	16,100	1,540	7,320	8,180	3,660	5,940	6,620	6,030
19	1,400	9,710	16,300	18,000	16,200	1,440	7,590	8,330	4,880	5,790	3,670	5,910
20	1,440	8,710	16,200	26,100	16,800	1,370	8,200	8,350	5,880	5,800	4,530	5,910
21	1,250	9,250	16,600	31,700	16,300	1,400	8,520	8,300	6,270	5,830	6,340	5,910
22	1,120	9,160	16,000	34,400	16,700	1,880	8,420	8,390	6,190	6,000	6,410	5,950
23	1,030	4,280	15,500	36,300	17,000	3,960	8,400	8,470	6,010	5,800	6,800	2,890
24	969	6,610	15,500	37,500	16,300	4,460	8,270	7,380	3,100	5,860	6,470	2,610
25	918	9,430	18,200	41,100	15,200	4,850	8,180	8,380	4,000	5,820	6,200	3,470
26	876	10,600	21,400	47,900	15,200	5,440	8,060	8,640	5,500	5,810	3,310	3,500
27	841	9,940	22,200	57,800	14,600	7,050	7,920	8,800	6,000	5,780	4,280	3,490
28	809	9,660	22,300	70,400	13,100	8,560	8,020	8,820	6,200	5,950	6,050	3,430
29	788	9,280	20,600	76,900	-----	9,520	7,860	8,100	5,330	3,100	6,930	3,580
30	764	9,140	18,000	77,100	-----	8,860	7,720	5,920	5,590	3,860	6,910	1,930
31	866	-----	18,000	71,600	-----	8,340	-----	6,510	-----	6,010	7,130	-----
TOTAL	36,252	218,925	522,890	958,700	606,900	242,910	233,430	256,940	160,160	160,680	175,690	148,320
MEAN	2,782	7,293	16,870	30,930	21,680	7,836	7,781	8,288	5,339	5,183	5,667	4,944
MAX	8,960	10,600	22,300	77,100	61,100	17,400	21,300	10,500	7,910	6,010	7,130	8,890
MIN	764	948	8,530	15,600	13,100	1,370	1,150	5,920	2,830	3,020	2,410	1,450
AC-FT	171,100	434,200	1,037M	1,902M	1,204M	481,800	463,000	509,600	317,700	318,700	348,500	294,200

CAL YR 1973 TOTAL 4,572,807 MEAN 12,530 MAX 41,000 MIN 764 AC-FT 9,070,000
 WTR YR 1974 TOTAL 3,771,797 MEAN 10,330 MAX 77,100 MIN 764 AC-FT 7,481,000

SABINE RIVER BASIN

195

08028700 Hoosier Creek near Merryville, La.

LOCATION.--Lat 30°43'32", long 93°33'36", in SE¼ sec.11, T.4 S., R.12 W., Beauregard Parish, near right bank on downstream side of bridge on State Highway 389, 2.0 mi (3.2 km) upstream from Pullem Branch, and 2.0 mi (3.2 km) south of Merryville.

DRAINAGE AREA.--13.1 mi² (33.9 km²).

PERIOD OF RECORD.--October 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 60.53 ft (18.450 m) above mean sea level.

AVERAGE DISCHARGE.--19 years, 14.3 ft³/s (0.405 m³/s), 14.82 in/yr (376 mm/yr), 10,360 acre-ft/yr (12.8 hm³/yr).

EXTREMES.--Current year: Maximum discharge, 869 ft³/s (24.6 m³/s) Jan. 19 (gage height, 10.07 ft or 3.069 m); minimum, 2.4 ft³/s (0.068 m³/s) July 23, 24-30, 31; minimum gage height, 0.88 ft (0.268 m) Sept. 24, 25, 26.

Period of record: Maximum discharge, 1,560 ft³/s (44.2 m³/s) Mar. 24, 1973 (gage height, 12.86 ft or 3.920 m) from rating curve extended above 720 ft³/s (20.4 m³/s); minimum, 0.80 ft³/s (0.023 m³/s) Sept. 14, 15, 16, 17, 18, 19, 1965.

REMARKS.--Records good. See following page for table of daily gage height. Records of chemical analyses and water temperatures for the water year 1974 are published in Part 2 of this report.

REVISIONS.--WSP 1732: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	16	10	8.9	84	13	8.8	4.6	20	3.3	2.8	4.1
2	9.5	9.3	9.3	8.3	60	12	8.2	6.3	14	3.3	2.6	3.3
3	8.7	8.1	11	28	42	12	7.6	5.2	6.7	3.3	2.5	5.2
4	7.8	9.3	102	72	27	13	7.0	4.4	5.4	3.2	2.6	4.4
5	7.6	41	50	26	22	12	6.3	6.7	5.0	3.2	2.8	3.2
6	15	38	19	22	22	12	6.0	21	4.8	3.3	2.5	2.8
7	8.9	17	14	40	30	11	5.9	9.1	4.7	4.6	2.5	2.6
8	7.6	13	11	29	26	11	5.7	5.7	4.6	6.2	2.5	9.9
9	6.7	11	10	29	21	11	5.4	5.1	4.6	3.7	2.4	88
10	6.3	9.9	9.7	23	19	22	5.1	5.0	4.6	3.1	2.4	16
11	11	8.7	9.1	28	18	68	5.1	25	4.7	2.8	2.5	6.7
12	76	7.8	9.1	53	17	20	14	23	4.6	2.7	2.5	7.4
13	123	7.6	9.1	27	17	15	62	8.1	4.3	2.6	4.2	6.5
14	71	7.2	8.5	18	16	11	19	6.2	4.2	2.8	4.2	5.1
15	30	7.0	7.9	19	28	10	19	5.7	4.3	2.9	3.1	4.4
16	41	6.7	7.4	21	72	10	9.4	5.4	4.1	2.8	2.8	3.9
17	86	6.3	6.8	17	28	9.4	7.3	5.1	3.9	2.8	2.6	3.7
18	28	6.2	6.8	17	21	8.8	6.3	4.8	3.8	2.7	2.6	18
19	17	6.2	11	150	31	8.9	5.8	4.7	3.8	2.6	2.6	15
20	13	12	34	340	26	8.5	5.5	4.7	3.7	2.6	2.6	5.1
21	11	27	17	69	44	10	5.5	4.8	3.7	2.6	2.6	3.8
22	10	13	11	37	77	9.8	6.4	16	3.7	2.5	2.5	3.5
23	9.3	8.9	9.5	31	26	8.3	15	16	3.6	2.5	2.5	3.2
24	8.7	8.7	30	57	19	9.3	9.0	6.7	3.6	2.4	2.5	3.0
25	8.1	78	38	177	15	21	6.0	5.6	3.6	2.4	2.5	2.5
26	7.8	47	23	271	14	25	5.1	6.0	3.5	2.4	3.0	2.6
27	7.4	22	22	113	13	80	4.8	7.4	3.5	2.4	4.6	2.9
28	7.0	39	14	281	13	33	4.7	5.8	3.4	2.4	3.6	2.8
29	6.8	21	11	164	-----	18	4.4	5.1	3.3	2.4	4.1	2.8
30	6.7	13	10	131	-----	13	4.4	4.8	3.3	2.4	3.7	2.9
31	19	-----	9.5	112	-----	9.9	-----	4.8	-----	2.5	4.6	-----
TOTAL	710.9	525.9	550.7	2,419.2	848	535.9	284.7	248.8	151.0	91.4	91.5	245.3
MEAN	22.9	17.5	17.8	78.0	30.3	17.3	9.49	8.03	5.03	2.95	2.95	8.18
MAX	123	78	102	340	84	80	62	25	20	6.2	4.6	88
MIN	6.3	6.2	6.8	8.3	13	8.3	4.4	4.4	3.3	2.4	2.4	2.5
CFSM	2.75	1.34	1.36	5.95	2.31	1.32	.72	.61	.38	.23	.23	.62
IN.	1.02	1.49	1.56	6.87	2.41	1.52	.81	.71	.43	.26	.26	.70
AC-FT	1,410	1,040	1,090	4,800	1,680	1,060	565	493	300	181	181	487

CAL YR 1973 TOTAL 9,915.1 MEAN 27.2 MAX 482 MIN 4.4 CFSM 2.08 IN 28.16 AC-FT 19,670
WTR YR 1974 TOTAL 6,703.3 MEAN 18.4 MAX 340 MIN 2.4 CFSM 1.40 IN 19.04 AC-FT 13,300

PEAK DISCHARGE (BASE, 400 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-19	1930	10.07	869	1-28	1445	8.92	614

SABINE RIVER BASIN

08028700 Hoosier Creek near Merryville, La.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.30	1.62	1.39	1.37	4.23	1.59	1.45	1.20	1.77	.95	.98	1.08
2	1.27	1.34	1.34	1.34	3.35	1.57	1.43	1.32	1.56	.95	.96	1.01
3	1.23	1.29	1.40	2.12	2.64	1.55	1.39	1.25	1.20	.95	.94	1.17
4	1.18	1.34	4.51	3.82	2.05	1.58	1.36	1.19	1.12	.94	.96	1.11
5	1.17	2.61	3.00	2.09	1.84	1.57	1.32	1.29	1.09	.94	.99	.99
6	1.46	2.52	1.81	1.91	1.87	1.55	1.30	1.92	1.08	.97	.93	.94
7	1.24	1.65	1.57	2.61	2.20	1.52	1.29	1.41	1.07	1.12	.94	.92
8	1.17	1.49	1.47	2.19	2.04	1.50	1.28	1.22	1.06	1.27	.93	1.47
9	1.13	1.43	1.43	2.28	1.80	1.49	1.26	1.18	1.06	1.09	.92	4.28
10	1.11	1.37	1.41	1.95	1.72	1.95	1.24	1.17	1.06	1.02	.92	1.64
11	1.27	1.31	1.38	2.16	1.68	3.73	1.24	2.03	1.07	.98	.94	1.22
12	3.86	1.27	1.38	3.12	1.66	1.93	1.64	1.95	1.06	.97	.93	1.26
13	5.18	1.26	1.38	2.12	1.65	1.72	3.52	1.30	1.04	.96	1.11	1.21
14	3.77	1.24	1.35	1.75	1.62	1.58	1.88	1.19	1.03	.99	1.09	1.12
15	2.22	1.23	1.32	1.80	2.10	1.53	1.89	1.16	1.04	1.00	.98	1.07
16	2.62	1.21	1.29	1.90	3.82	1.52	1.48	1.14	1.02	.98	.95	1.04
17	4.26	1.19	1.26	1.73	2.16	1.48	1.37	1.12	1.01	.99	.92	1.02
18	2.13	1.18	1.26	1.73	1.85	1.46	1.32	1.10	1.00	.97	.91	1.73
19	1.65	1.18	1.44	5.78	2.25	1.46	1.28	1.09	1.00	.95	.91	1.59
20	1.50	1.40	2.41	7.55	2.07	1.44	1.26	1.09	.99	.95	.91	1.12
21	1.43	2.10	1.71	3.71	2.75	1.51	1.26	1.10	.99	.96	.91	1.03
22	1.38	1.49	1.46	2.49	4.00	1.50	1.32	1.64	.99	.94	.90	1.00
23	1.34	1.32	1.40	2.27	2.13	1.43	1.72	1.64	.98	.93	.90	.97
24	1.31	1.31	2.24	3.28	1.82	1.48	1.46	1.20	.98	.92	.89	.94
25	1.29	3.91	2.55	6.20	1.68	1.99	1.30	1.13	.98	.92	.90	.88
26	1.27	2.82	1.97	7.08	1.62	2.12	1.24	1.16	.97	.92	.97	.89
27	1.25	1.89	1.92	5.09	1.60	4.14	1.22	1.24	.97	.92	1.12	.93
28	1.23	2.53	1.58	7.16	1.60	2.46	1.21	1.15	.96	.92	1.04	.91
29	1.22	1.81	1.47	6.01	-----	1.85	1.19	1.10	.95	.91	1.07	.91
30	1.21	1.48	1.44	5.48	-----	1.63	1.19	1.08	.95	.91	1.05	.93
31	1.73	-----	1.40	5.06	-----	1.50	-----	1.08	-----	.96	1.12	-----
MAX	5.18	3.91	4.51	7.55	4.23	4.14	3.52	2.03	1.77	1.27	1.12	4.28
MIN	1.11	1.18	1.26	1.34	1.60	1.43	1.19	1.08	.95	.91	.89	.88

197

LOCATION.--Lat 30°18'13", long 93°44'37", Calcasieu Parish, La.-Newton County, Tex. State line, at downstream side of bridge on Texas State Highway 12, 2.4 mi (3.9 km) north of Ruliff, 4.2 mi (6.8 km) upstream from the Kansas City Southern Railway Co. bridge, 4.5 mi (7.2 km) downstream from Cypress Creek, and at mile 40.2 (64.7 km).

PERIOD OF RECORD.--October 1924 to current year.

AVERAGE DISCHARGE.--42 years (1924-66) prior to completion of Toledo Bend Reservoir, 8,422 ft³/s (238.5 m³/s), 6,102,000 acre-ft/yr (7.52 km³/yr); 8 years (1967-74) regulated, 7,189 ft³/s (203.6 m³/s), 5,208,000 acre-ft/yr (6.42 km³/yr).

Period of record: Maximum discharge, 121,000 ft³/s (3,430 m³/s) May 22, 1953, gage height, 19.98 ft (6.089 m); minimum, 270 ft³/s (7.65 m³/s) Sept. 27-30, Oct. 1-3, 17-20, 1956.

Maximum stage since at least 1835, 22.2 ft (6.77 m) in May or June 1884 (adjusted to present site and datum on basis of slope of flood of June 8, 9, 1950); flood of Apr. 26-29, 1913, reached a stage of 19.5 ft (5.94 m), present site and datum, from information by local resident.

REVISIONS (WATER YEARS).--WSP 1282: 1941(M), 1942. WSP 1442: 1925-29, 1937-39, 1943. WSP 1732: Drainage area.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9,980	2,080	12,500	21,900	84,000	16,600	11,000	9,230	8,250	6,060	4,870	7,200
2	9,660	2,480	12,200	20,300	78,300	16,300	10,700	9,140	7,810	5,460	5,840	6,840
3	9,780	2,660	11,900	20,200	67,000	15,600	10,300	8,980	7,940	4,190	6,400	4,640
4	9,970	2,310	12,200	19,800	55,700	14,800	9,520	8,960	7,690	4,940	6,790	2,660
5	10,100	2,600	13,600	19,300	45,800	14,700	8,420	8,880	6,010	5,670	6,740	2,830
6	10,500	4,240	13,700	19,100	38,800	15,000	6,970	8,680	5,500	5,530	5,600	4,580
7	11,000	6,740	15,000	19,400	32,900	15,200	5,100	8,750	5,700	4,350	4,240	5,550
8	10,800	8,780	16,500	19,800	27,100	14,200	5,560	9,140	5,940	5,030	4,900	5,920
9	8,230	9,950	17,900	20,000	21,700	13,200	6,610	9,400	6,100	5,580	5,730	6,410
10	4,890	10,800	17,800	20,700	19,400	13,100	5,800	9,630	6,170	5,410	6,400	6,650
11	3,020	11,000	17,100	22,200	18,500	13,600	3,740	9,950	6,230	5,670	6,740	6,680
12	2,810	10,700	16,700	23,400	17,800	14,900	2,600	9,830	6,130	6,090	6,740	7,470
13	4,510	10,600	16,100	23,500	17,400	15,500	2,850	9,900	6,000	6,260	4,900	8,240
14	6,920	10,300	16,700	23,000	17,200	15,700	5,980	10,300	6,080	6,340	3,560	8,600
15	9,360	10,100	17,500	23,000	17,000	14,500	9,910	10,600	6,130	6,320	4,650	8,360
16	9,600	9,950	17,700	23,400	16,900	10,700	13,900	10,400	6,020	5,740	5,800	7,650
17	10,100	9,840	17,700	21,900	16,900	6,780	16,900	9,820	5,840	4,480	6,480	6,730
18	11,100	9,840	17,600	20,300	17,000	4,610	16,800	9,360	5,170	5,150	6,830	5,040
19	11,400	9,920	18,800	20,300	17,200	3,630	15,500	9,070	3,920	5,810	6,830	5,290
20	10,200	9,980	20,800	27,000	17,300	3,160	13,500	8,810	4,540	6,170	6,010	5,880
21	7,910	10,200	20,500	32,000	17,300	2,960	11,800	8,810	5,230	6,220	4,850	6,210
22	5,630	10,400	19,700	39,200	17,500	2,660	10,800	8,760	5,880	6,170	5,100	6,310
23	3,910	10,600	18,900	43,900	17,800	3,000	10,400	8,760	6,340	6,280	5,940	6,370
24	2,870	10,600	19,500	42,800	17,800	4,020	10,500	8,790	6,510	6,290	6,560	5,800
25	2,310	9,950	19,100	44,200	17,700	5,260	10,800	8,720	5,980	6,260	6,830	4,040
26	2,040	9,220	18,800	48,200	17,600	6,270	10,700	8,600	4,440	6,240	6,740	3,850
27	1,840	10,000	18,600	53,000	17,200	7,850	10,200	8,530	4,780	6,290	6,210	3,980
28	1,720	11,200	19,900	60,000	17,000	8,820	9,850	8,670	5,420	6,340	4,730	4,020
29	1,600	12,100	22,000	67,600	-----	9,580	9,520	8,760	5,970	6,250	5,180	4,010
30	1,560	12,600	23,200	75,300	-----	10,300	9,330	8,				

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 a 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 annual maximum stage and discharge at crest-stage stations and the second is a table of peak elevations at flood-profile stations. Discharge measurements made at miscellaneous sites for both low flow and high flow are given in a third table.

Crest-stage partial-record stations

The following table contains annual maximum discharge 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, and discharge measurements may have been made for purposes of establishing the stage-discharge relation but these are 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 1974

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Pearl River basin							
02490113	Bogue Lusa Creek at State Highway 21, at Bogalusa, La.	Lat 30°46'52", long 89°51'07", Washington Parish, at bridge 1.4 miles southeast of Bogalusa water tower.	75.9	1969-74	12-26-73	78.84	(†)
02490130	Coburn Creek at Bogalusa, La.	Lat 30°47'46", long 89°50'46", Washington Parish, at bridge on State Highway 21, and 1.0 miles southeast of Bogalusa water tower.	7.96	1969-74	12-26-73	2.97	(†)
02491200	Silver Creek near Clifton, La.	Lat 30°55'30", long 90°14'30", Washington Parish, at bridge on State Highway 38, and 3.6 miles west of Clifton.	50.1	1966-74	12-26-73	6.02	(†)
02491350	Hays Creek near Franklinton, La.	Lat 30°53'16", long 90°11'28", Washington Parish, at bridge on State Highway 25, and 3.4 miles northwest of Franklinton water tower.	42.2	1966-74	12-26-73	13.93	(†)
02491700	Lawrence Creek near Franklinton, La.	Lat 30°51'40", long 90°06'55", Washington Parish, at bridge on State Highway 10, and 2.0 miles east of Franklinton.	44.2	1964-74	12-26-73	13.27	9,900
Red River basin							
07346950	Kelly Bayou near Ida, La.	Lat 33°00'05", long 93°51'55", Caddo Parish, at bridge on State Highway 168, and 1.8 miles east of Ida.	a73	1969-74	4-22-74	44.70	4,100
07348100	McCain Creek near Shreveport, La.	Lat 32°35'50", long 93°50'00", Caddo Parish, at bridge on State Highway 1, 7.0 miles northwest of Shreveport.	13.8	1954-68, 1974	1-25-74	39.00	(†)
07348725	Indian Creek at Shongaloo, La.	Lat 32°55'55", long 93°17'30", Webster Parish, at bridge on State Highway 535, and 0.8 mile southeast of Shongaloo.	46.4	1966-74	12- 3-73	44.55	(†)
07348760	Black Bayou at Leton, La.	Lat 32°51'10", long 93°15'05", Webster Parish, at bridge on State Highway 159, 0.5 mile south of Leton.	49.8	1954-68, 1974	1-24-74	46.24	2,850
07350990	Boggy Bayou at Woolworth Road, near Keithville, La.	Lat 32°22'35", long 93°54'00", Caddo Parish, at bridge 4.8 miles northwest of Keithville.	41.3	1963-74	1-24-74	42.35	3,600
07351205	Brush Bayou tributary No. 2 at Shreveport, La.	Lat 32°26'30", long 93°48'05", Caddo Parish, at culvert on 70th Street, 5.8 miles southwest of Shreveport Post Office.	--	1967-70, 1974	12- 3-74	12.00	(†)
07351300	Brush Bayou near Shreveport, La.	Lat 32°23'25", long 93°46'15", Caddo Parish, at bridge on State Highway 526, and 2.5 miles south of Shreveport.	27.1	1960-74	12- 3-73	165.53	(†)
07351500	Cypress Bayou near Keithville, La.	Lat 32°18'00", long 93°49'40", Caddo Parish, at bridge on State Highway 175, and 2.0 miles south of Keithville.	a66	1939-57*, 1958-74	1-24-74	11.34	7,670
07351670	Rambin Bayou near Frierson, La.	Lat 32°13'25", long 93°42'15", De Soto Parish, at bridge on State Highway 175, and 1.5 miles south of Frierson.	59.6	1966-74	1-24-74	14.65	(†)

See footnotes at end of table.

Annual maximum discharge at crest-stage partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Red River basin--Continued							
07351700	Bayou Na Bonchasse near Mansfield, La.	Lat 32°06'05", long 93°41'45", De Soto Parish, at bridge on State Highway 175, and 4.2 miles north of Mansfield.	19.5	1957-68†, 1969-74	1-24-74	12.13	1,370
07351980	Saline Bayou near Bienville, La.	Lat 32°24'10", long 92°56'45", Bienville Parish, at bridge on parish road 1.0 mile upstream from Bear Creek, and 4.0 miles northeast of Bienville.	54.9	1966-74	1-24-74	44.42	1,620
07352200	Black Lake Bayou near Minden, La.	Lat 32°34'50", long 93°, Bienville-Webster Parish line, at bridge on U.S. Highway 80, and 7.0 miles southeast of Minden.	38.6	1951-68, 1974	6- 7-74	16.39	(†)
07352295	Black Lake Creek at Gibsland, La.	Lat 32°33'15", long 93°03'05", Bienville Parish, at bridge on State Highway 154, and 0.6 mile north of Gibsland.	44.8	1968-74	12- 4-73	45.98	(†)
07352400	Kepler Creek at Sparta, La.	Lat 32°22'05", long 93°05'35", Bienville Parish, at bridge on State Highway 507, 0.8 mile west of Sparta.	21.1	1954-68, 1974	4-22-74	42.32	290
07352500	Black Lake Bayou near Castor, La.	Lat 32°15'40", long 93°12'50", Red River Parish, at bridge on State Highway 4, and 2.8 miles northwest of Castor.	423	1941-57†, 1958-74	1-25-74	11.50	6,850
07352730	Antoine Creek near Ashland, La.	Lat 32°05'50", long 93°06'10", Red River Parish, at bridge on State Highway 153, and 3.0 miles south of Ashland.	17.7	1964-74	2-15-74	45.00	(†)
07353990	Kisatchie Bayou at Kisatchie, La.	Lat 31°25'20", long 93°10'14", Natchitoches Parish, at bridge on State Highway 117, and 0.6 miles north of Kisatchie.	37.3	1966-74	4-12-74	25.19	13,700
07364740	Bayou de Loutre near Farmerville, La.	Lat 32°52'25", long 92°23'40", Union Parish, at bridge on State Highway 549, and 7.0 miles north of Farmerville.	241	1966-74	6-10-74	51.34	16,500
07364800	Bayou D'Arbonne at Homer, La.	Lat 32°48'30", long 93°03'20", Claiborne Parish, at bridge on U.S. Highway 79, and 0.2 mile north of Homer.	a30	1954-68 1974	6- 9-74	46.65	(†)
07364870	Sugar Creek near Arcadia, La.	Lat 32°41'20", long 92°51'30", Claiborne-Lincoln Parish line, at bridge on State Highway 146, and 10.3 miles northeast of Arcadia.	a47	1966-74	2-15-74	44.90	2,570
07365300	Middle Fork Bayou D'Arbonne near Colquitt, La.	Lat 32°55'40", long 92°59'40", Claiborne Parish, at bridge on State Highway 520, and 2.0 miles southeast of Colquitt.	43.9	1954-68, 1974	4-22-74	46.04	(†)
07366000	Corney Bayou near Lillie, La.	Lat 32°53'15", long 92°39'25", Union Parish, at bridge on U.S. Highway 167, and 3.0 miles south of Lillie.	462	1941-57†, 1958-74	6- 9-74	24.24	42,800
07366350	Stowe Creek near Farmerville, La.	Lat 32°40'20", long 92°28'20", Union Parish, at bridge on State Highway 151, and 8.0 miles southwest of Farmerville.	a29	1954-68, 1974	2-14-74	47.43	(†)
07366420	Bayou Choudrant near Calhoun, La.	Lat 32°32'30", long 92°22'45", Ouachita Parish, at bridge on State Highway 151, and 2.5 miles northwest of Calhoun.	113	1966-74	2-15-74	42.98	4,450
07367300	North Cheniere Creek at Cheniere, La.	Lat 32°29'35", long 92°15'40", Ouachita Parish, at bridge on State Highway 546, 1.0 mile southwest of Cheniere.	a38	1954-68 1974	2-21-74	43.06	1,100
07367600	Cypress Creek near Vixen, La.	Lat 32°17'20", long 92°14'45", Ouachita Parish, at bridge on State Highway 557, and 4.1 miles northeast of Vixen.	a16	1954-68, 1974	4-12-74	48.83	(†)
07370530	Black Bayou at Kelly, La.	Lat 31°58'20", long 92°10'00", Caldwell Parish, at bridge on U.S. Highway 165, and 0.9 mile southeast of Kelly.	51.9	1966-73	1-28-74	40.40	3,950
07370575	Caney Creek near Chatham, La.	Lat 32°13'00", long 92°29'10", Jackson Parish, at bridge on State Highway 34, and 6.5 miles southwest of Chatham.	48.8	1966-74	4-12-74	44.42	(†)

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Red River basin--Continued							
07370600	Beaucoup Creek near Cotton Plant, La.	Lat 32°06'40", long 92°19'20", Winn Parish, at bridge on State Highway 110, and 3.3 miles west of Cotton Plant.	127	1951-68, 1974	4-12-74	13.01	(†)
07370650	Flat Creek near Sikes, La.	Lat 32°04'45", long 92°27'50", Winn Parish, at at bridge on State Highway 110, and 1.5 miles east of Sikes.	41.5	1951-68, 1974	4-12-74	12.10	(†)
07370660	Flat Creek near Olla, La.	Lat 32°00'55", long 92°21'50", Winn Parish, at bridge on State Highway 127, 2.5 miles down-stream from Fish Creek, and 10.2 miles northwest of Olla.	103	1966-74	4-12-74	50.98	10,800
07370700	Beeck Creek near Olla, La.	Lat 31°54'55", long 92°23'35", Winn Parish, at bridge on State Highway 124, and 9.0 miles west of Olla.	a58	1954-68, 1974	4-12-74	46.78	12,900
07370750	Chickasaw Creek near Olla, La.	Lat 31°52'30", long 92°13'35", La Salle Parish, at bridge on State Highway 127, 2.0 miles southeast of Olla, and 3.5 miles upstream from Tarver Creek.	47.6	1954-74	5- 1-54 3-16-73 4-12-74	41.08 41.80 40.93	b2,660 b3,900 2,400
07370820	Dugdemona River near Quitman, La.	Lat 32°20'40", long 92°44'40", Jackson Parish, at bridge on State Highway 155, and 1.7 miles west of Quitman.	117	1964-74	2-15-74	43.09	4,650
07370840	Choctaw Creek near Hodge, La.	Lat 32°22'05", long 92°48'45", Bienville Parish, at bridge on State Highway 147, and 8.5 miles northwest of Hodge.	16.5	1966-74	1-24-74	44.00	1,290
07370930	Cypress Bayou at Quitman, La.	Lat 32°20'45", long 92°42'55", Jackson Parish, at bridge on U.S. Highway 167, and 0.8 mile southeast of Quitman.	c91.8	1966-74	2-15-74	42.79	5,100
07370980	Little Dugdemona River near Hodge, La.	Lat 32°16'20", long 92°41'40", Jackson Parish, at bridge on State Highway 813-3, and 1.7 miles east of Hodge.	a20	1964-74	2-15-74	45.00	860
07372110	Brushy Creek near Joyce, La.	Lat 31°55'10", long 92°33'15", Winn Parish, at bridge on U.S. Highway 84, and 3.0 miles southeast of Joyce.	a24	1964-74	4-12-74	47.63	(†)
07372300	Bear Creek near Packton, La.	Lat 1°47'05", long 92°34'40", Winn Parish, at bridge on U.S. Highway 167, and 1.1 miles south of Packton.	a11	1954-68, 1974	4-12-74	42.31	(†)
07372900	Dyson Creek near Pollock, La.	Lat 31°32'20", long 92°25'00", Grant Parish, at bridge on unnumbered parish road, 0.8 mile	a12	1964-74	1-28-74	43.58	(†)
Mississippi River Delta							
07375170	Bogue Falaya at Covington, La.	Lat 30°29'58", long 90°05'04", St. Tammany Parish, at bridge on State Highway 437, and 1.0 mile northeast of Covington.	88.2	1964-74	3-27-74	15.23	4,800
07375222	Abita River north of Abita Springs, La.	Lat 30°28'55", long 90°02'20", St. Tammany Parish, at bridge on State Highway 36, and 0.2 mile north of Abita Springs.	46.1	1966-74	5-23-74	23.37	3,960
07375300	Tangipahoa River near Kentwood, La.	Lat 30°56'15", long 90°29'25", Tangipahoa Parish, at bridge on State Highway 38, and 1.1 miles east of Kentwood.	296	1951-68, 1974	5-22-74	14.48	(†)
07375307	Terry's Creek near Kentwood, La.	Lat 30°57'23", long 90°30'13", Tangipahoa Parish, at bridge on U.S. Highway 51, and 5.1 miles northeast of Kentwood.	52.0	1966-74	5-22074	14.33	(†)
07375453	Lanier Creek near Loranger, La.	Lat 30°36'25", long 90°24'35", Tangipahoa Parish, at culvert on State Highway 442, and 2.3 miles south of Loranger.	.83	1967-71, 1974	5- 8-69 8-30-70 10-30-70 12-26-73	c9.20 c7.44 c9.02 12.42	(†) (†) (†) (†)
07375463	Chappepeela Creek near Husser, La.	Lat 30°39'35", long 90°18'45", Tangipahoa Parish, at bridge on State Highway 445, and 1.9 miles southeast of Husser.	31.7	1966-74	5-23-74	26.22	4,600

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

201

Annual maximum discharge at crest-stage partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Mississippi River Delta--Continued							
07375480	Chappeeela Creek southeast of Loranger, La.	Lat 30°36'22", long 90°19'56", Tangipahoa Parish, at bridge on State Highway 40, and 4.5 miles southeast of Loranger.	91.0	1964-74	3- 2-64 12- 8-71 5-22-74	12.26 14.09 14.27	b7,500 b11,500 11,900
07375600	Washley Creek near Robert, La.	Lat 30°30'20", long 90°18'30", Tangipahoa Parish, at bridge on U.S. Highway 190, and 2.0 miles east of Robert.	25.3	1951-74	12-26-73	11.13	(†)
07375800	Tickfaw River at Liverpool, La.	Lat 30°55'47", long 90°40'41", St. Helena Parish, at bridge on State Highway 38, and 1.0 mile north of Liverpool.	89.7	1956-68†, 1969-74	5-23-74	11.19	6,460
07375960	Tickfaw River at Montpelier, La.	Lat 30°41'10", long 90°38'35", St. Helena Parish, at bridge on State Highway 16, and 0.5 mile northeast of Montpelier.	220	1951-68, 1974	5-22-74	108.31	(†)
07376285	Hickory Branch near Albany, La.	Lat 30°28'00", long 90°36'35", Livingston Parish, at culvert on unnumbered parish road, 2.3 miles southeast of junction with State Highway 441, and 3.0 miles southwest of Albany.	1.25	1966-71, 1974	4-15-69 8-10-70 3-19-71 12-26-73	c9.99 c12.23 c13.43 11.90	(†) (†) (†) (†)
07376290	Blood River near Springfield, La.	Lat 30°26'19", long 90°36'37", Livingston Parish, at bridge on State Highway 42, and 3.7 miles northwest of Springfield.	26.6	1964-74	5-22-74	17.48	2,120
07376520	Little Natalbany River at Albany, La.	Lat 30°30'15", long 90°34'40", Livingston Parish, at bridge on U.S. Highway 190, and 0.3 mile east of Albany.	40.6	1966-74	5-23-74	28.77	6,400
07376600	Ponchatoula Creek at Natalbany, La.	Lat 30°33'40", long 90°28'55", Tangipahoa Parish, at bridge on U.S. Highway 51, and 1.0 mile north of Natalbany.	13.8	1951-74	5-23-74	11.41	1,420
07377190	Sandy Creek southeast of Clinton, La.	Lat 30°50'05", long 90°57'50", East Feliciana Parish, at bridge on State Highway 63, and 5.9 miles southeast of Clinton.	17.2	1966-74	5-23-74	14.56	(†)
07377300	Amite River at Magnolia, La.	Lat 30°32'05", long 90°58'50", East Baton Rouge Parish, at bridge on State Highway 64, and 0.4 mile east of Magnolia.	884	1949-74	4-15-74	41.73	24,100
07377700	Redwood Creek near Slaughter, La.	Lat 30°43'44", long 91°06'54", East Feliciana Parish, at bridge on State Highway 412, and 2.0 miles northeast of Slaughter.	41.1	1966-68†, 1969-74	2- 3-74	15.98	1,820
07380160	Middle Colyell Creek near Walker, La.	Lat 30°29'45", long 90°50'30", Livingston Parish, at bridge on U.S. Highway 190, and 1.3 miles east of Walker.	20.3	1951-74	4-15-74	4.10	940
07381413	Intracoastal Waterway tributary near Port Allen, La.	Lat 30°26'42", long 91°13'53", West Baton Rouge Parish, on Interstate Highway 10, 0.2 mile upstream from mouth, and 1.4 miles southwest of Port Allen.	9.08	1971-74	2- 3-74	11.07	(†)
Mermentau River basin							
08011800	Castor Creek near Oberlin, La.	Lat 30°37'10", long 92°37'10", Allen Parish, at bridge on parish road 0.1 mile upstream from Mulberry Creek, and 8.5 miles east of Oberlin.	43.9	1964-74	6- 3-74	47.43	(†)
Calcasieu River basin							
08012650	Floctaw Creek near Lacamp, La.	Lat 31°10'55", long 92°59'45", Vernon Parish, at bridge on State Highway 28, and 5.0 miles northwest of Lacamp.	18.7	1951-68, 1974	1-20-74	14.23	(†)
08013700	Drakes Creek near Pitkin, La.	Lat 30°57'45", long 93°08'15", Vernon Parish, at bridge on State Highway 10, and 12.5 miles west of Pitkin.	22.1	1954-68, 1974	1-20-74	15.26	(†)
08013800	Little Sixmile Creek near Pitkin, La.	Lat 30°58'05", long 93°00'45", Vernon Parish, at bridge on State Highway 10, 1.0 mile upstream from Spurlock Branch, and 5.0 miles west of Pitkin.	10.4	1954-74	10-15-73	14.05	(†)

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Annual maximum discharge at crest-stage partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (cfs)
Calcasieu River basin--Continued							
08013950	Big Brushy Creek near Pitkin, La.	Lat 30°54'55", long 92°53'30", Vernon Parish, at bridge on State Highway 10, and 3.0 miles southeast of Pitkin, and 3.1 miles upstream from mouth.	34.4	1965-74	1-20-74	16.02	1,830
08014000	Sixmile Creek near Sugartown, La.	Lat 30°48'52", long 92°55'34", Allen Parish, at bridge on State Highway 10, and 5.5 miles east of Sugartown, and 6.6 miles upstream from mouth.	171	1956-65†, 1966-74	1-20-74	13.66	4,400
08014200	Tenmile Creek near Elizabeth, La.	Lat 30°50'11", long 92°52'26", Allen Parish, at bridge on State Highway 10, 0.3 mile downstream from Carter Branch, and 5.3 miles southwest of Elizabeth.	94.2	1950-65†, 1966-74	1-20-74	14.54	3,700
08014600	Flat Creek near De Ridder, La.	Lat 30°51'05", long 93°14'45", Beauregard Parish, at bridge on State Highway 112, 2.4 miles east of De Ridder, and 3.2 miles upstream from mouth.	26.3	1964-74	1-20-74	11.12	(†)
08015200	Dry Creek at Dry Creek, La.	Lat 30°39'25", long 93°02'45", Beauregard Parish, at bridge on State Highway 113, and 1.0 mile south of Dry Creek.	42.7	1954-68, 1974	1-20-74	22.93	(†)
08016600	Hickory Branch at Kernan, La.	Lat 30°30'05", long 93°16'45", Beauregard Parish, at bridge on State Highway 12, 0.7 mile southwest of Kernan, and 3.0 miles upstream from Cowpen Creek.	82.2	1946-57†, 1958-74	1-20-74	24.14	5,080
Sabine River basin							
08022600	Bayou Castor near Longstreet, La.	Lat 32°05'35", long 93°55'15", De Soto Parish, at bridge on State Highway 3015, and 1.8 miles east of Longstreet.	27.7	1954-68, 1974	1-25-74	16.64	(†)
08023270	Bull Bayou near Hunter, La.	Lat 31°53'10", long 93°52'30", De Soto Parish, at bridge on State Highway 174, 1.1 miles southeast of Hunter, and 3.2 miles upstream from mouth.	8.54	1964-74	1-25-74	12.16	(†)
08024030	Bayou Scie at Zwolle, La.	Lat 31°37'45", long 93°37'40", Sabine Parish, at bridge on U.S. Highway 171, and 1.0 mile east of Zwolle.	45.9	1950-68, 1974	4-12-74	12.13	2,920
08024060	Blackwell Creek at Many, La.	Lat 31°34'50", long 93°27'45", Sabine Parish, at bridge on State Highway 6, 0.2 mile north-east of Many, and 0.8 mile upstream from mouth.	3.16	1959-68†, 1969-74	4-25-74	12.48	940
08025850	Pearl Creek at State Highway 111, at Burr Ferry, La.	Lat 31°04'32", long 93°29'22", Vernon Parish, at bridge 0.8 mile northeast of Burr Ferry.	9.66	1967-74	12- 4-73	4.73	(†)
08026200	Red Bank Creek at Evans, La.	Lat 30°59'30", long 93°29'55", Vernon Parish, at bridge on State Highway 111, 0.4 mile northeast of Evans, and 2.8 miles upstream from mouth.	17.2	1966-74	1-20-74	12.77	(†)
08026700	West Anacoco Creek near Hornbeck, La.	Lat 31°18'00", long 93°22'10", Vernon Parish, at bridge on U.S. Highway 171, ant 2.5 miles southeast of Hornbeck.	d22.2	1950-68, 1974	4-12-74	17.88	(†)
08027550	Prairie Creek near Leesville, La.	Lat 31°10'40", long 93°16'30", Vernon Parish, at bridge on U.S. Highway 171, and 2.5 miles northwest of Leesville.	40.0	1949-68, 1974	6- 5-74	37.82	(†)
08029700	Brushy Creek at Bancroft, La.	Lat 30°33'35", long 93°40'49", Beauregard Parish, at bridge on State Highway 389, and 0.8 mile south of Bancroft.	25.9	1954-68, 1974	1-20-74	15.92	(†)

* Discharge not determined.

† Operated as a continuous-record gaging station.

a Approximately.

b Corrected.

c Not previously published.

d Revised.

Measurements at miscellaneous sites

Measurements of streamflow at points other than gaging stations are given in the following table.

Discharge measurements made at miscellaneous sites during water year 1974

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Red River basin						
Cross Bayou	Cross Lake	Lat 32°29'30", long 93°56'30", Caddo Parish, at bridge on unimproved road 1.0 mile north of junction with Jefferson Page Road, 8.0 miles northwest of Shreveport, La.	51.3	--	7-15-74 8-24-74	1.00 dry
Shettleworth Bayou	Cross Lake	Lat 32°34'00", long 93°56'30", Caddo Parish, at bridge on Blanchard-Longwood Road 8.0 miles northwest of Shreveport, La.	9.84	--	7-16-74 8-24-74	.44 dry
Cross Bayou	Red River	Lat 32°30'50", long 93°47'50", Caddo Parish, at bridge on Russel Road just below Cross Lake Dam spillway at Shreveport, La.	253	--	7-15-74	.52
Black Cypress Bayou	Big Cypress Bayou	Lat 32°47' 15", long 94°19'15", Marion County, at bridge on State Highway 49, 2.0 miles northeast of Jefferson, Tex.	--		7-24-74	31.4
Kitchen Creek	Caddo Lake	Lat 32°46'45", long 94°09'32", Caddo Parish, at bridge on secondary road 2.2 miles south of junction with State Highway 49, and 2.5 miles south of Smithland, Tex.	34.3	--	7-16-74 8-24-74	5.91 dry
Harrison Bayou	Caddo Lake	Lat 32°39'45", long 94°07'25", Caddo Parish, at bridge located in Longhorn Ordinance Works, 2.7 miles east of Karnack, Tex.	43.6	--	7-16-74	3.00
Black Bayou	Black Bayou Lake	Lat 32°58'30", long 94°01'40", Caddo Parish, at bridge on State Highway 168, 2.0 miles west of Rodessa, La.	114	1956-61a	7-11-74	1.16
State Line Creek	Black Bayou Lake	Lat 32°58'25", long 94°01'20", Caddo Parish, at bridge on State Highway 168, 1.5 miles west of Rodessa, La.	53.9	--	7-11-74 8-24-74	10.5 dry
Gray Branch	Black Bayou Lake	Lat 32°57'30", long 93°58'07", Caddo Parish, at bridge on Hosston-Rodessa Road 2.0 miles southeast of Rodessa, La.	6.26	--	7-11-74 8-24-74	dry dry
Black Bayou	Black Bayou Lake	Lat 32°52'55", long 93°53'50", Caddo Parish, at bridge on State Highway 2, 2.0 miles west of Hosston, La.	235	--	7-11-74 8-24-74	3.38 dry
Boone Creek	Lake Bistineau	Lat 32°32'20", long 93°22'30", Webster Parish, at bridge on State Highway 164, 2.0 miles east of Doyline, La.	19.9	1964-67a	7-12-74	2.01
Brushy Creek	Lake Bistineau	Lat 32°28'50", long 93°18'00", Webster Parish, at bridge, on State Highway 7, 4.0 miles south of Sibley, La.	43.2	1954-63a	7-15-74 8-17-74	30.2 4.72
Clarke Bayou	Lake Bistineau	Lat 32°26'15", long 93°26'45", Webster Parish, at bridge on secondary road 1.0 mile north of junction with State Highway 527, and 1.0 mile northwest of Koran, La.	108	--	7-12-74	1.24
Toulon Bayou	Lake Bistineau	Lat 32°23'20", long 93°20'50", Bienville Parish, at bridge on secondary road 4.5 miles west of junction with State Highway 7, and 5.5 miles northwest of Ringgold, La.	16.5	--	7-16-74	4.83
Loggy Bayou	Red River	Lat 32°14'10", long 93°25'35", Bienville-Bossier Parish line at bridge on U.S. Highway 71, 0.3 mile downstream from Flat River, 1.9 miles southeast of Ninock, La., and 7.5 miles upstream from mouth.	2,628	1942, 1944-48, 1949-60b, 1964	6-13-74 6-14-74 6-17-74	10,700 14,300 17,000
Black Lake Bayou	Black-Clear Lake	Lat 32°05'35", long 93°09'37", Natchitoches Parish, at bridge on State Highway 155, and 4.9 miles southwest of Ashland, La.	--	--	7-20-74 8-17-74	239 56.5
Grand Bayou	Black-Clear Lake	Lat 32°05'47", long 93°16'08", Red River Parish, at bridge on State Highway 784, 3.5 miles southeast of Coushatta, La.	--	--	7-20-74 8-17-74	1.48 .03

See footnotes at end of table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Red River basin--Continued						
Caesar Creek	Black-Clear Lake	Lat 31°31'50", long 93°03'55", Natchitoches Parish, at bridge on State Highway 153, and 1.0 mile northwest of Creston, La.	10.5	--	7-20-74	.06
Clear Lake	Saline Bayou	Lat 31°50'50", long 92°57'25", Natchitoches Parish, at bridge on State Highway 1226, 0.1 mile below Chivery Dam, and 6.2 miles east of Clarence, La.	(c)	--	7-18-74	210
Nantachie Creek	Red River	Lat 31°41'15", long 92°52'40", Grant Parish, at bridge on State Highway 34, 1.4 miles downstream from mouth of Kadesh Branch, and 1.5 miles northeast of Montgomery, La.	d47	1942-68b, 1969	4-12-74	10,400
Hemphill Creek	Cotile Lake	Lat 31°15'39", long 92°45'17", Rapides Parish, at bridge on State Highway 3122, 1.6 miles above mouth of Indian Creek, and 4.1 miles west of Gardner, La.	8.53	--	7-13-74	5.18
Indian Creek	Hemphill Creek	Lat 31°16'42", long 92°45'31", Rapides Parish, at bridge on unnumbered parish road 0.7 mile above mouth of Hemphill Creek, and 6.0 miles southwest of Hotwells, La.	5.15	--	7-13-74	1.50
Dyer Creek	Hemphill Creek	Lat 31°16'12", long 92°43'52", Rapides Parish, at culvert on State Highway 3122, 2.2 miles above mouth, and 2.5 miles west of Gardner, La.	3.36	--	7-13-74	2.08
Bayou Marteau	Bayou Rigolette	Lat 31°25'30", long 92°35'50", Grant Parish, at bridge on unnumbered parish road, 2.2 miles southwest of Rock Hill, and 5.0 miles northeast of Boyce, La.	--	--	4-16-74	505
Little Bayou de Loutre	Bayou de Loutre	Lat 32°56'54", long 92°25'36", Union Parish, at bridge on unnumbered parish road, 0.9 mile from Mark Beach Bayou, 4.7 miles above mouth, and 1.3 miles west of Truxmo, La.	--	1973	4-22-74	4,090
Lake Claiborne	Ouachita River	Lat 32°44'20", long 92°54'18", Claiborne Parish, on Parish Road 518 at dam 2.0 miles northeast of Aycock, La.	133	1968-73b	1-21-74	824
Cypress Creek	Bayou D'Arbonne Lake	Lat 32°39'35", long 92°35'15", Union Parish, at bridge on State Highway 822, 3.2 miles east of Unionville, La.	63.3	1954-65e	7-23-74	4.82
Middle Fork Bayou D'Arbonne	Bayou D'Arbonne	Lat 32°44'45", long 92°34'00", Union Parish, at bridge on secondary road, 2.7 miles northeast of junction with State Highway 151, and 5.1 miles northeast of Dubach, La.	214	--	7-20-74 8-24-74	17.8 0
Corney Bayou	Bayou D'Arbonne	Lat 32°53'15", long 92°39'25", Union Parish, at bridge on U.S. Highway, 167, and 3.0 miles south of Lillie, La.	462	1941-57b, 1958-73e	7-23-74 8-24-74	83.3 19.5
Camp Creek	Bayou D'Arbonne	Lat 32°51'30", long 92°32'20", Union Parish, at bridge on secondary road 2.0 miles east of junction with State Highway 550, and 7.4 miles northeast of Bernice, La.	20.0	--	7-10-74	13.2
Bayou D'Arbonne Lake	Ouachita River	Lat 32°45'25", long 92°24'50", Union Parish, at bridge on State Highway 33, 0.6 miles southwest of Farmerville, La., and 5.0 miles upstream from dam.	--	1965-73b	6-12-74 6-13-74 6-14-74	32,200 24,300 14,700
Stowe Creek	Bayou D'Arbonne Lake	Lat 32°40'20", long 92°28'20", Union Parish, at bridge on State Highway 151, 0.5 miles downstream from unnamed tributary and 8.0 miles southwest of Farmerville, La.	d29	1954-68e, 1955-63a	7-20-74 8-24-74	2.66 0
Cypress Creek	Bayou D'Arbonne Lake	Lat 32°39'22", long 92°26'35", Lincoln Parish, at bridge on State Highway 151, 2.3 miles upstream from State Highway 822, and 2.7 miles northwest of Downsview, La.	28.8	--	2-21-74	1,490

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Red River basin--Continued						
Cypress Creek	Bayou D'Arbonne Lake	Lat 32°42'00", long 92°26'15", Union Parish, at bridge on secondary road 1.8 miles southeast of junction with State Highway 33, near Farmerville, La.	28.8	--	7-10-74	7.44
Little Turkey Creek tributary	Turkey Creek	Lat 32°00'32", long 91°41'57", Franklin Parish, at bridge on State Highway 876, 0.9 mile above mouth, and 3.4 miles southeast of Jigger, La.	(c)	--	7-20-74	.02
Grayson Bayou	Turkey Creek Lake	Lat 31°59'02", long 91°48'14", Franklin Parish, at bridge on secondary road, 0.8 mile north-east of Extension, La., 2.8 miles above mouth, and 4.4 miles south of Fort Necessity.	9.18	--	7-20-74	.44
Dugdemonia River	Little River	Lat 32°12'25", long 92°48'05", Bienville-Jackson Parish line, just downstream from bridge on State Highway 4, 200 ft downstream from Brush Creek, and 5.4 miles southwest of Jackson Parish courthouse, Jonesboro, La.	355	1938-73b	7-30-74	34.0
Mississippi River main stem						
Mississippi River	Gulf of Mexico	Lat 30°30'25", long 91°11'55", East Baton Rouge-West Baton Rouge Parish line, at bridge on U.S. Highway 190, at Baton Rouge, La.	61,243,500	1941-58b, 1973	12-13-73 12-20-73 12-27-73 1- 3-74 1- 8-74 1-10-74 1-11-74 1-17-74 1-17-74 1-24-74 1-24-74 1-31-74 1-31-74 1-31-74 2- 7-74 2-14-74 2-22-74 2-28-74 3- 7-74 3- 7-74 3-14-74 3-21-74 3-21-74 3-28-74 3-28-74 3-28-74 4- 4-74 4-11-74 4-18-74 4-26-74 9-17-74	926,000 951,000 771,000 781,000 880,000 921,000 940,000 1,060,000 1,030,000 1,070,000 1,040,000 1,090,000 1,070,000 1,070,000 1,160,000 1,160,000 1,110,000 1,020,000 893,000 868,000 872,000 858,000 828,000 894,000 901,000 930,000 818,000 814,000 792,000 398,000
Mississippi River Delta						
Tchefuncta River	Lake Pontchartrain	Lat 30°45'22", long 90°15'52", Tangipahoa-Washington Parish line, at bridge on State Highway 10, 9.0 miles southwest of Franklinton, La.	53.1	1949-68e, 1955-58a, 1960a, 1962-64a, 1969g	3-19-74	42.9
Tchefuncta River	Lake Pontchartrain	Lat 30°29'40", long 90°10'10", St. Tammany Parish, at bridge on U.S. Highway 90, 4.0 miles west of Covington, La.	145	1951-65e, 1964-67a, 1969g	3-20-74	88.2
Bogue Falaya	Tchefuncta River	Lat 30°41'08", long 90°10'59", St. Tammany Parish, at bridge on State Highway 25, 4.0 miles north of Folsom, La.	13.9	1969g	3-20-74	25.5
Bogue Falaya	Tchefuncta River	Lat 30°29'58", long 90°05'04", St. Tammany Parish, at bridge on State Highway 437, 1.0 mile northeast of Covington, La.	88.2	1963-68, 1969g	3-20-74	94.0
Abita River	Tchefuncta River	Lat 30°28'55", long 90°02'20", St. Tammany Parish, at bridge on State Highway 36, 0.2 mile north of Abita Springs, La.	--	1966-73e	3-20-74	5.73

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Mississippi River Delta--Continued						
Beaver Creek	Tangipahoa River	Lat 30°54'06", long 90°33'14", Tangipahoa Parish, at bridge on Parish Road 1049, 3.4 miles southwest of Kentwood Post Office.	12.8	1969g	5-22-74	10,200
Tangipahoa River	Lake Pontchartrain	Lat 30°52'42", long 90°29'56", Tangipahoa Parish, 100 ft upstream from mouth of Beaver Creek, and 0.9 mile east of Tangipahoa, La.	340	1969g	3-19-74	297
Big Creek	Tangipahoa River	Lat 30°44'44", long 90°28'54", Tangipahoa Parish, at mouth, 2.1 miles northeast of Amite railroad station.	81.5	1969g	3-19-74	66.6
Chappepeela Creek	Tangipahoa River	Lat 30°33'25", long 90°21'03", Tangipahoa Parish, at bridge on unnumbered parish road, 3.6 miles north of Robert, La.	--	1969g	3-20-74	70.4
Bedico Creek	Tangipahoa River	Lat 30°27'13", long 90°15'53", Tangipahoa Parish, at bridge on State Highway 22, 7.0 miles northwest of Madisonville, La.	13.7	1963-67 1969g	3-20-74	.88
Natalbany River	Tickfaw River	Lat 30°29'07", long 90°33'25", Tangipahoa Parish, 100 ft upstream from mouth of Little Natalbany River, and 2.0 miles southeast of Albany, La.	82.3	1969g	3-18-74	19.7
Little Natalbany River	Natalbany River	Lat 30°29'01", long 90°33'42", Livingston Parish, 0.2 mile from mouth, and 1.9 miles southeast of Albany, La.	41.7	1969g	3-18-74	7.81
Ponchatoula Creek	Natalbany River	Lat 30°28'04", long 90°26'54", Tangipahoa Parish, at bridge on U.S. Highway 51, 1.5 miles northwest of Ponchatoula, La.	--	1969g	3-18-74	3.10
Ward Creek	Bayou Manchac	Lat 30°22'30", long 91°04'10", East Baton Rouge Parish, at bridge 0.5 mile downstream from Dawson Creek, and 8.5 miles southwest of Baton Rouge Post Office.	40.0	1947-54b, 1955-68e	12-10-71	h2,040
New River	Blind River	Lat 30°12'18", long 91°02'17", Ascension Parish, at bridge on new State Highway 30, and 1.8 miles northwest of Geismar, La.	--	--	4- 3-74	4.91
New River	Blind River	Lat 30°14'25", long 90°58'10", Ascension Parish, at bridge on State Highway 429, and 3.0 miles west of Gonzales, La.	--	--	4- 6-74	3.70
New River	Blind River	Lat 30°14'12", long 90°54'43", Ascension Parish, at bridge on U.S. Highway 61, 0.5 mile northeast of Gonzales water tower.	--	--	4- 5-74	15.0
Wax Lake Outlet	Gulf of Mexico	Lat 29°42'09", long 91°22'07", St. Mary Parish, at bridge on U.S. Highway 90, 0.5 mile west of Calumet, and 4.0 miles west of Patterson, La.	(c)	1956, 1973	2- 4-74 2- 9-74 2-12-74 2-16-74 2-19-74 2-23-74 2-26-74 3- 2-74 3- 5-74 3- 9-74 3-12-74 3-16-74 3-19-74 3-23-74 3-26-74 3-30-74 4- 2-74 4- 6-74 4- 9-74 4-13-74 4-16-74 4-20-74 4-23-74 5-22-74 6- 5-74 6-19-74	166,000 169,000 162,000 164,000 165,000 161,000 161,000 156,000 148,000 140,000 132,000 134,000 128,000 132,000 130,000 139,000 142,000 138,000 137,000 133,000 141,000 144,000 143,000 116,000 118,000 149,000

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

207

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Mississippi River Delta--Continued						
Wax Lake Outlet--Continued	See preceding page.	See preceding page.			7- 2-74 7-17-74 7-30-74 8-14-74	157,000 122,000 <75,100 23,000
Lower Atchafalaya River	Gulf of Mexico	Lat 29°41'47", long 91°12'39", St. Mary Parish, at bridge on U.S. Highway 90, at Morgan City, La.	(c)	1973	2- 4-74 2- 8-74 2-12-74 2-16-74 2-19-74 2-23-74 2-26-74 3- 2-74 3- 5-74 3- 9-74 3-12-74 3-16-74 3-19-74 3-23-74 3-26-74 3-30-74 4- 1-74 4- 5-74 4- 9-74 4-13-74 4-16-74 4-20-74 4-23-74 5-22-74 6- 5-74 6-19-74 7- 2-74 7-17-74 7-30-74 8-14-74	339,000 374,000 360,000 376,000 384,000 367,000 343,000 320,000 316,000 304,000 268,000 267,000 255,000 253,000 266,000 280,000 262,000 272,000 273,000 258,000 302,000 308,000 300,000 224,000 235,000 310,000 332,000 237,000 140,000 52,000
Mermentau River basin						
Bayou Lacassine	Grand Lake	Lat 30°04'12", long 92°52'43", Jefferson Davis Parish, at bridge on State Highway 14, 12.9 miles west of Lake Arthur, La.	299	1961	1-21-74	4,660
Calcasieu River basin						
Palmetto Creek	Bundick Creek	Lat 30°48'26", long 93°14'31", Beauregard Parish, at bridge on U.S. Highway 171, 0.6 mile above mouth, and 3.9 miles south of De Ridder, La.	17.6	--	7-13-74	4.42
Deer Creek	Bundick Creek	Lat 30°47'18", long 93°10'19", Beauregard Parish, at bridge on parish road, 1.0 mile above mouth, and 9.4 miles southeast of De Ridder, La.	17.2	--	7-13-74	3.60
Dry Branch	Bundick Lake	Lat 30°46'44", long 93°06'49", Beauregard Parish, at bridge on State Highway 1147, 2.1 miles above mouth, and 13.4 miles southeast of De Ridder, La.	4.04	--	7- 7-74	1.75
Bundick Lake	Bundick Creek	Lat 30°43'37", long 93°05'43", Beauregard Parish, at pier 300 ft above spillway, and 5.6 miles northwest of Dry Creek, La.	211	--	7-13-74	55.5
Sabine River basin						
Bayou Toro	Sabine River	Lat 31°12'12", long 93°32'39", Sabine Parish, at bridge on Toledo Bend Dam road, 1.8 miles upstream from mouth, and 5.2 miles south of Toro, La.	d193	1966-72a	8-28-73 7-19-74	h30.3 28.7
West Anacoco Creek	Vernon Lake	Lat 31°18'00", long 93°22'10", Vernon Parish, at bridge on U.S. Highway 171, 2.5 miles southeast of Hornbeck, La.	j22.4	1955e, 1957-58e, 1961a, 1963-68e	7- 6-74	97
Brushy Creek	West Anacoco Creek	Lat 31°18'18", long 93°23'10", Vernon Parish, at bridge on unnumbered parish road, 1.5 miles above mouth and 2.0 miles south of Hornbeck, La.	5.89	--	7- 6-74	1.18

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

Discharge measurements made at miscellaneous sites during water year 1974--Continued

Stream	Tributary to	Location	Drainage area (sq mi)	Measured previously (water years)	Measurements	
					Date	Discharge (cfs)
Sabine River basin--Continued						
East Anacoco Creek	Vernon Lake	Lat 31°15'36", long 93°18'50", Vernon Parish, at bridge on State Highway 111, 1.7 miles northeast of Anacoco, La. and 2.3 miles above mouth.	37.0	1954, 1956-63	7- 6-74	1.81
Prairie Creek	Anacoco Lake	Lat 31°08'58", long 93°18'53", Vernon Parish, at bridge on State Highway 8, 2.4 miles above mouth and 3.0 miles west of Leesville, La.	44.4	1953	7- 6-74	2.65
Caney Creek	Anacoco Lake	Lat 31°07'00", long 93°24'12", Vernon Parish, at bridge on State Highway 8, 1.1 miles above mouth, and 10.0 miles west of Leesville, La.	6.97	--	7- 7-74	2.10
Anacoco Lake	Sabine River	Lat 31°00'50", long 93°21'44", Vernon Parish, at bridge on unnumbered parish road, 1.1 miles above mouth of Bayou Castor, and 6.4 miles west of Pickering, La.	208	--	7-28-74	14.2

a Operated as a low-flow partial-record station.

b Operated as a continuous-record gaging station.

c Drainage area indeterminate.

d Approximately.

e Operated as a crest-stage partial-record station.

f Owing to interchange of flow between basins, drainage area arbitrarily determined.

g Seepage investigation.

h Not previously published.

j Revised.

The following table contains annual maximum elevation for flood-profile stations. A flood-profile gage is a device which will register the peak elevation occurring between inspections. The date of the maximum elevation is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Where two or more sites on the same stream have annual peaks caused by different floods, all floods are listed for each site. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum elevation at flood-profile partial-record stations during water year 1974

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Flood peak	
					Date	Elevation (feet above mean sea level)
Pearl River basin						
02490109	Bogue Lusa Creek at State Highway 60, at Bogalusa, La.	Lat 30°46'59", long 89°51'52", Washington Parish, at bridge 1.1 miles southeast of Bogalusa water tower.	75.0	1969-74	12-26-73	83.61
02490112	Bogue Lusa Creek at Richmond St., at Bogalusa, La.	Lat 30°46'53", long 89°51'18", Washington Parish, at bridge 1.3 miles southeast of Bogalusa water tower.	75.7	1969-74	12-26-73	80.45
02490125	Coburn Creek at Van Buren St., at Bogalusa, La.	Lat 30°47'45", long 89°51'58", Washington Parish, at bridge 0.4 mile southeast of Bogalusa water tower.	6.79	1969-74	12- 6-72 12-26-73 3-28-74	†9.03 †9.65 †8.92
02490126	Coburn Creek at Memorial Dr., at Bogalusa, La.	Lat 30°47'44", long 89°51'43", Washington Parish, at bridge 0.3 mile south of Bogalusa water tower.	6.95	1969-74	12-26-73 3-28-74	†15.37 †14.79
02490127	Coburn Creek at Austin St., at Bogalusa, La.	Lat 30°47'37", long 89°51'33", Washington Parish, at bridge 0.4 mile southeast of Bogalusa water tower.	*7.10	1969-74	12-26-73 3-28-74	†14.62 †14.06
02490129	Coburn Creek at Poplar St., at Bogalusa, La.	Lat 30°47'41", long 89°51'10", Washington Parish, at bridge 0.6 mile southeast of Bogalusa water tower.	7.57	1969-74	12-26-73 3-28-74	†7.89 †7.48
02490133	Coburn Creek at State Highway 10, at Bogalusa, La.	Lat 30°47'32", long 89°50'12", Washington Parish, at bridge, 1.6 miles southeast of Bogalusa water tower.	8.70	1969-74	12-26-73 3-28-74	†14.40 †16.02
02491800	Bogue Chitto River at Enon, La.	Lat 30°43'10", long 90°05'00", St. Tammany Parish, at bridge 0.5 mile south of Enon.	1,107	1949-63, 1973-74	4-15-74	18.33
02492663	French Branch near Slidell, La.	Lat 30°17'40", long 89°44'10", St. Tammany Parish, at bridge on State Highway 1092, and 3.5 miles northeast of Slidell.	--	1966-74	5-23-74	†12.08
Red River basin						
07348010	Twelvemile Bayou below Dixie, La.	Lat 32°36'25", long 93°48'35", Caddo Parish, at bridge on U.S. Highway 71, and 6.0 miles southeast of Dixie.	--	1962-74	12- 8-73	159.75
07348105	McCain Creek at Pine Hills Rd., near Shreveport, La.	Lat 32°35'01", long 93°49'34", Caddo Parish, at bridge 6.7 miles northwest of Shreveport court house.	--	1963-74	1974	<175.80
07348120	McCain Creek at Cooper Rd., near Shreveport, La.	Lat 32°33'11", long 93°47'30", Caddo Parish, at bridge 3.7 miles northwest of Shreveport court house.	--	1963-74	12- 4-73	160.18
07349363	Macks Bayou tributary No. 2, at Bossier City, La.	Lat 32°32'33", long 93°42'30", Bossier Parish, at bridge on Airline Dr., 2.1 miles northeast of Bossier City Post Office.	--	1963-74	12- 3-73	164.56
07349365	Macks Bayou at Bossier City, La.	Lat 32°31'59", long 93°40'24", Bossier Parish, at bridge on U.S. Highway 80, 3.3 miles northeast of Bossier City Post Office.	--	1963-74	1974	<160.90
07349368	Macks Bayou tributary No. 3, at Bossier City, La.	Lat 32°31'20", long 93°41'31", Bossier Parish at bridge on Old Minden Rd., 2.1 miles east of Bossier City Post Office.	--	1963-74	1974	<162.90
07349369	Macks Bayou at North Gate Rd., at Bossier City, La.	Lat 32°30'39", long 93°40'56", Bossier Parish, 500 ft west of Barksdale Air Force Base fence at North Gate Rd. at Bossier City.	--	1966-74	12- 3-73	160.77
07349380	Flat River at Taylortown, La.	Lat 32°23'20", long 93°35'15", Bossier Parish, at bridge on State Highway 527, and 0.5 mile east of Taylortown.	95.8	1960-62b, 1963-74	1-24-74	146.19
07349400	Flat River near Elm Grove, La.	Lat 32°19'45", long 93°31'20", Bossier Parish, at bridge on State Highway 157, and 2.2 miles southeast of Elm Grove.	112	1960-74	1-24-74	143.01
07349590	Ivan Lake near Cotton Valley, La.	Lat 32°49'45", long 93°29'20", Bossier Parish, at bridge 100 ft above dam, and 4.0 miles west of Cotton Valley.	37.8	1960-65b, 1966-74	12- 4-73	201.88

See footnotes at end of table.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS

Annual maximum elevation at flood-profile partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Flood peak	
					Date	Elevation (feet above mean sea level)
Red River basin--Continued						
07349785	Little Cypress Bayou at State Highway 3, at Plain Dealing, La.	Lat 32°54'55", long 93°42'15", Bossier Parish, at bridge 0.6 mile northwest of Plain Dealing.	--	1963-74	12- 3-73	277.10
07349787	Little Cypress Bayou tributary at Plain Dealing, La.	Lat 32°54'30", long 93°42'15", Bossier Parish, at bridge on State Highway 3, 0.7 mile northwest of Plain Dealing.	--	1963-74	12- 3-73	268.17
07349790	Little Cypress Bayou at Plain Dealing, La.	Lat 32°54'05", long 93°41'55", Bossier Parish, at bridge on unnamed street 0.3 mile downstream from State Highway 3, and 0.3 mile southeast of Plain Dealing.	--	1963-74	12- 3-73	260.53
07349860	Red Chute Bayou at Sligo, La.	Lat 32°26'50", long 93°35'40", Bossier Parish, at bridge on State Highway 612, and 0.5 mile west of Sligo.	980	1960-62b, 1963-74	1-23-74	154.28
07349890	Red Chute Bayou near Elm Grove, La.	Lat 32°21'45", long 93°30'10", Bossier Parish, at bridge on State Highway 154, and 3.0 miles northeast of Elm Grove.	1,004	1960-74	1-23-74	143.45
07349900	Swan Lake near Elm Grove, La.	Lat 32°16'55", long 93°27'05", Bossier Parish, at bridge on parish road, 7.5 miles southeast of Elm Grove.	1,020	1961-74	1-23-74	141.16
07350300	Coushatta Bayou near Crichton, La.	Lat 32°07'10", long 93°24'10", Red River Parish, at bridge on State Highway 515, 1.8 miles east of Crichton.	15.9	1960-74	12- 5-73	130.01
07350700	Bayou Pierre at Shreveport, La.	Lat 32°27'20", long 93°44'05", Caddo Parish, at bridge on Pierremont Rd., 3.4 miles southeast of Shreveport city hall.	--	1960-74	12- 4-73 2-21-74 7-24-74	153.20 153.43 155.73
07350800	Bayou Pierre at Forbing, La.	Lat 32°23'35", long 93°43'25", Caddo Parish, at bridge on State Highway 526, 0.6 mile northeast of Forbing, and 8.1 miles south of Shreveport Post Office	d19	1960-65b, 1967-74	12- 4-73 2-21-74 7-24-74	148.58 147.04 147.05
07350820	Sand Beach Bayou at Shreveport, La.	Lat 32°26'35", long 93°43'27", Caddo Parish, at bridge on East 70th St., 4.3 miles southeast of Shreveport city hall.	--	1963-64, 1967-74	1974	†<42.6
07350840	Sand Beach Bayou near Shreveport, La.	Lat 32°24'03", long 93°42'26", Caddo Parish, at bridge on State Highway 526, 7.4 miles southeast of Shreveport city hall.	--	1963-74	1974	<150.4
07350900	Bayou Pierre near Robson, La.	Lat 32°22'25", long 93°40'30", Caddo Parish, at bridge on Leonard Rd., and 2.0 miles northwest of Robson.	26.0	1960-74	12- 4-73 2-21-74 7-24-74	139.80 (‡) 139.11
07351200	Brush Bayou at Shreveport, La.	Lat 32°26'23", long 93°46'52", Caddo Parish, at Southern Pacific Railway bridge, 4.9 miles southwest of Shreveport city hall.	d3.4	1960-74	12- 3-73	187.46
07351580	Bayou Pierre near Abington, La.	Lat 32°08'10", long 93°31'05", De Soto-Red River Parish line, at bridge on State Highway 509, and 2.9 miles northwest of Abington.	406	1960-65b, 1966-74	12- 4-73 2-21-74 7-24-74	125.78 131.47 123.99
07351740	Bayou Pierre at Evelyn, La.	Lat 31°59'20", long 93°26'30", De Soto-Red River Parish line at bridge on State Highway 177, and 0.2 mile northeast of Evelyn.	707	1950-65b, 1966-74	12- 4-73 2-21-74 7-24-74	<116.17 123.53 <116.17
07351750	Bayou Pierre near Lake End, La.	Lat 31°53'40", long 93°20'30", Natchitoches-Red River Parish line, at bridge on State Highway 174, and 2.9 miles southwest of Lake End.	860	1950-74	12- 4-73 2-21-74 7-24-74	110.78 116.87 108.54
07352150	Saline Lake near Clarence, La.	Lat 31°51'10", long 92°56'10", Natchitoches-Winn Parish line, 100 ft left of spillway, and 5.9 miles northeast of Clarence.	(††)	1960-74	1-30-74	110.47
07352410	Kepler Lake near Castor, La.	Lat 32°18'40", long 93°09'30", Bienville Parish, at dam on Kepler Lake, 5.0 miles north of Castor.	46.2	1960-65c, 1966-74	1-25-74	177.65
07352900	Saline Bayou at Allen, Dam, near Clarence, La.	Lat 31°51'05", long 92°56'45", Natchitoches Parish, on right bank upstream wing wall of spillway, and 5.3 miles northeast of Clarence.	1,325	1960-74	1-30-74	108.93

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS

211

Annual maximum elevation at flood-profile partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Flood peak	
					Date	Elevation (feet above mean sea level)
Red River basin--Continued						
07354740	Old River at Montrose, La.	Lat 31°34'25", long 92°59'40", Natchitoches Parish, at bridge on State Highway 1 at Montrose.	471	1960-65c, 1966-74	4-12-74	98.98
07354780	Cane River near Cloutierville, La.	Lat 31°33'15", long 92°53'20", Natchitoches Parish, on left bank at south end of drainage canal and floodgates on State Highway 495, and 2.2 miles northeast of Cloutierville.	582	1960-74	1974	<95.25
07355400	Bayou Marteau near Rock Hill, La.	Lat 31°25'30", long 92°35'50", Grant Parish, at bridge on parish road, 2.2 miles southwest of Rock Hill, and 5.0 miles northeast of Boyce.	--	1960-74	4-13-74	81.03
07355475	Bayou Rapides near Alexandria, La.	Lat 31°18'43", long 92°33'38", Rapides Parish, at bridge on parish road, 12.2 miles upstream from Red River, and 6.9 miles west of Alexandria city hall.	--	1963-65, 1968-74	1974	<81.90
07355490	Bayou Rapides at control structure at Alexandria, La.	Lat 31°17'59", long 92°29'42", Rapides Parish, 100 ft north of State Highway 496, and 3.1 miles west of Alexandria city hall.	72.0	1963-74	1-20-74	74.15
07371600	Dugdemonia River near Dodson, La.	Lat 32°07'22", long 92°48'24", Winn Parish, at bridge on State Highway 126, and 9.1 miles northwest of Dodson.	412	1959-74	1-26-74	119.01
Bayou Baton Rouge basin						
07373970	Baker Canal at Baker, La.	Lat 30°35'19", long 91°10'24", East Baton Rouge Parish, at bridge on parish road, 0.3 mile west of Baker.	--	1962-74	11- 5-73	67.74
07373980	Baker Canal near Baker, La.	Lat 30°34'49", long 91°12'43", East Baton Rouge Parish, at bridge on U.S. Highway 61, 2.7 miles southwest of Baker.	--	1962-74	1974	<58.51
Mississippi River Delta						
07374570	Oakes diversion channel at Slidell, La.	Lat 30°17'35", long 89°46'00", St. Tammany Parish, at culvert on Roberts Road, 0.4 mile north of Couss Road at Slidell.	--	1966-74	5-23-74	†8.95
07375410	Tangipahoa River at Tangipahoa, La.	Lat 30°52'36", long 90°29'44", Tangipahoa Parish, at bridge on State Highway 1057, and 1.0 mile east of Tangipahoa.	340	1959-65, 1967-74	5-23-74	†26.81
07375420	Tangipahoa River at Arcola, La.	Lat 30°46'36", long 90°29'53", Tangipahoa Parish, at bridge on State Highway 10, and 0.7 mile east of Arcola.	381	1959-65, 1967-74	5-23-74	†26.67
07377150	Amite River at Grangeville, La.	Lat 30°44'10", long 90°50'30", East Feliciana-St. Helena Parish line, at bridge on State Highway 37, and 0.5 mile southwest of Grangeville.	741	1951-63b, 1964-74	1974	<109.90
07377400	Comite River near Clinton, La.	Lat 30°51'30", long 91°02'20", East Feliciana Parish, at bridge on State Highway 10, and 1.3 miles west of Clinton.	e112	1949-65b, 1969-74	11- 6-73 1-20-74	176.39 175.30
07377750	Comite River near Zachary, La.	Lat 30°38'35", long 91°05'40", East Baton Rouge Parish, at bridge on State Highway 64, and 3.7 miles east of Zachary.	230	1951-63b, 1964-74	11- 6-73 1-20-74	<79.43 81.38
07377760	Comite River at Comite Drive, near Baton Rouge, La.	Lat 30°33'24", long 91°05'53", East Baton Rouge Parish, at bridge 9.0 miles northeast of Baton Rouge Post Office.	--	1962-74	11- 6-73 1-20-74	<50.62 52.03
07377780	White Bayou at State Highway 64, near Zachary, La.	Lat 30°38'10", long 91°07'38", East Baton Rouge Parish, at bridge 1.1 miles east of Zachary.	--	1962-74	1974	<83.38
07377840	White Bayou near Baton Rouge, La.	Lat 30°35'06", long 91°07'31", East Baton Rouge Parish, at bridge on Plank Rd., 10.0 miles northeast of Baton Rouge Post Office.	--	1962-74	1974	<68.58
07377890	Cypress Bayou at Baker, La.	Lat 30°34'31", long 91°10'01", East Baton Rouge Parish, at bridge on Lavey Lane, 0.2 mile east of State Highway 19 at Baker.	--	1967-74	1974	<67.50

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS

Annual maximum elevation at flood-profile partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Flood peak	
					Date	Elevation (feet above mean sea level)
Mississippi River Delta--Continued						
07377900	Cypress Bayou at Plank Rd., near Baton Rouge, La.	Lat 30°32'32", long 91°08'18", East Baton Rouge Parish, at bridge 6.9 miles northeast of Baton Rouge Post Office.	--	1962-65, 1967-74	12-24-73	52.37
07377920	Cypress Bayou at Hooper Rd., near Baton Rouge, La.	Lat 30°31'42", long 91°06'35", East Baton Rouge Parish, at bridge 7.0 miles northeast of Baton Rouge Post Office.	--	1962-74	12-24-74	43.53
07377940	Blackwater Bayou near Baton Rouge, La.	Lat 30°32'06", long 91°04'53", East Baton Rouge Parish, at bridge on Hooper Rd., 8.5 miles northeast of Baton Rouge Post Office.	14.1	1962-74	1974	<50.43
07378008	Hurricane Creek at Baton Rouge, La.	Lat 30°28'55", long 91°07'41", East Baton Rouge Parish, at bridge on East Brookstown Dr., 3.9 miles northeast of Baton Rouge Post Office.	--	1967-74	11- 6-73	41.90
07378010	Hurricane Creek near Baton Rouge, La.	Lat 30°29'14", long 91°05'20", East Baton Rouge Parish, at bridge on Joor Rd., 6.2 miles northeast of Baton Rouge Post Office.	--	1962-74	1974	<40.62
07378015	Roberts Canal at Baton Rouge, La.	Lat 30°30'22", long 91°07'31", East Baton Rouge Parish, at bridge on Silver Leaf Ave., 5.3 miles northeast of Baton Rouge Post Office.	--	1967-74	11- 6-73	†13.74
07378020	Roberts Canal near Baton Rouge, La.	Lat 30°29'55", long 91°05'17", East Baton Rouge Parish, at bridge on Joor Rd., 6.6 miles northeast of Baton Rouge Post Office.	--	1962-74	11- 6-73	41.67
07378050	Comite River at Greenwell Springs Rd., near Baton Rouge, La.	Lat 30°30'20", long 91°02'24", East Baton Rouge Parish, at bridge 9.4 miles northeast of Baton Rouge Post Office.	--	1962-74	11- 6-73 1-20-74	<33.07 35.99
07378075	Beaver Bayou at Denham Rd., near Baton Rouge, La.	Lat 30°35'15", long 91°01'29", East Baton Rouge Parish, at culvert 13.7 miles northeast of Baton Rouge Post Office	--	1973-74	1-20-74	†14.39
07378100	Beaver Bayou at Wax Rd., near Baton Rouge, La.	Lat 30°32'34", long 91°01'14", East Baton Rouge Parish, at culvert 11.8 miles northeast of Baton Rouge Post Office.	--	1972-74	1-20-74	†15.31
07378595	Jones Creek at Airline Hwy., at Baton Rouge, La.	Lat 30°27'12", long 91°05'15", East Baton Rouge Parish, at culvert 5.1 miles northeast of Baton Rouge Post Office.	--	1967-74	9-13-73 11- 6-73 1-20-74 5-23-74	a†7.90 †5.66 †3.38 †3.72
07378600	Jones Creek at Florida Blvd., at Baton Rouge, La.	Lat 30°27'21", long 91°04'29", East Baton Rouge Parish, at bridge 6.5 miles east of Baton Rouge Post Office.	--	1962-74	9-13-73 11- 6-73 1-20-74 5-23-74	a43.30 42.99 40.17 39.90
07378635	Lively Bayou northeast of Baton Rouge, La.	Lat 30°28'14", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Rd., 9.0 miles northeast of Baton Rouge Post Office.	--	1967-74	9-13-73 11- 6-73 1-20-74	a†11.62 †4.64 †5.54
07378640	Lively Bayou east of Baton Rouge, La.	Lat 30°27'40", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Rd., 8.9 miles east of Baton Rouge Post Office.	--	1967-74	9-13-73 11- 6-73 1-20-74	a38.65 39.63 37.21
07378645	Lively Bayou southeast of Baton Rouge, La.	Lat 30°26'47", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Rd., 8.8 miles southeast of Baton Rouge Post Office.	--	1967-74	9-13-73 11- 6-73 1-20-74	a37.76 35.50 34.87
07378650	Jones Creek at Old Hammond Hwy., near Baton Rouge, La.	Lat 30°26'26", long 91°02'40", East Baton Rouge Parish, at bridge 8.4 miles east of Baton Rouge Post Office.	--	1962-74	9-13-73 11- 6-73 1-20-74 5-23-74	a33.76 36.89 37.15 35.28
07378670	Weiner Creek near Baton Rouge, La.	Lat 30°25'08", long 91°03'55", East Baton Rouge Parish, at bridge on Aubin Lane, 7.3 miles southeast of Baton Rouge Post Office.	--	1967-74	5-23-74	†10.17
07378700	Jones Creek near Woodlawn School, near Baton Rouge, La.	Lat 30°24'50", long 91°00'50", East Baton Rouge Parish, at bridge on Jones Creek Rd., 1.6 miles north of Woodlawn School, and 10.5 miles east of Baton Rouge Post Office.	19.5	1967-74	9-13-73 11- 6-73 1-20-74 5-23-74	a22.83 22.71 23.93 24.23

Annual maximum elevation at flood-profile partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Flood peak	
					Date	Elevation (feet above mean sea level)
Mississippi River Delta--Continued						
07378710	Amite River near Baton Rouge, La.	Lat 30°23'52", long 90°58'23", East Baton Rouge Parish, 3,400 ft downstream from Jones Creek, and 13 miles southeast of Baton Rouge Post Office.	--	1968-74	12-27-73	20.36
07378720	Clay Cut Bayou at Siegen Lane, near Baton Rouge, La.	Lat 30°23'46", long 91°03'20", East Baton Rouge Parish, at bridge 7.9 miles southeast of Baton Rouge Post Office.	--	1967-74	11- 6-73 12-27-73	23.99 22.22
07378725	Clay Cut Bayou near Hope Villa, La.	Lat 30°22'23", long 90°58'10", East Baton Rouge Parish, at bridge on Tiger Bend Rd., 2.3 miles northeast of Hope Villa.	--	1967-74	11- 6-73 12-27-73	10.79 15.10
07378780	Bayou Fountain at Ben Hur Rd., at Baton Rouge, La.	Lat 30°23'30", long 91°09'36", East Baton Rouge Parish, at bridge 4.2 miles southeast of Baton Rouge Post Office.	--	1962-74	5-23-74	17.97
07378800	Bayou Fountain at Gardere Lane, near Baton Rouge, La.	Lat 30°21'52", long 91°07'16", East Baton Rouge Parish, at bridge 6.9 miles southeast of Baton Rouge Post Office.	--	1962-66, 1969-74	5-23-74	15.26
07378805	Bayou Fountain tributary near Baton Rouge, La.	Lat 30°21'00", long 91°04'54", East Baton Rouge Parish, at culvert on Highland Rd., 9.1 miles southeast of Baton Rouge Post Office.	--	1967-74	5-23-74	11.12
07379010	Ward Creek at College Drive, at Baton Rouge, La.	Lat 30°26'08", long 91°07'59", East Baton Rouge Parish, at bridge 3.5 miles southeast of Baton Rouge Post Office.	--	1967, 1969-74	11- 5-73 4-13-74	40.11 36.25
07379090	North Branch Ward Creek at Goodwood Blvd., at Baton Rouge, La.	Lat 30°26'34", long 91°05'57", East Baton Rouge Parish, at bridge 5.5 miles southeast of Baton Rouge Post Office.	--	1967-74	9-13-73 11- 6-73	a40.25 39.13
07379100	North Branch Ward Creek at Baton Rouge, La.	Lat 30°25'04", long 91°05'29", East Baton Rouge Parish, at bridge on Jefferson Hwy., 5.9 miles southeast of Baton Rouge Post Office.	--	1962-74	9-13-73 11- 6-73	a<28.45 <28.45
07379400	Dawson Creek at Perkins Rd., at Baton Rouge, La.	Lat 30°24'37", long 91°07'53", East Baton Rouge Parish, 4.1 miles southeast of Baton Rouge Post Office.	--	1962-74	5-23-74	20.96
07379502	Corporation Canal at Oklahoma St., at Baton Rouge, La.	Lat 30°26'05", long 91°11'12", East Baton Rouge Parish, at bridge 1.0 mile south of Baton Rouge Post Office.	d.56	1971-74	11- 5-73 3-26-74	25.38 23.83
07379503	Corporation Canal at East Roosevelt St. at Baton Rouge, La.	Lat 30°25'18", long 91°10'36", East Baton Rouge Parish, at bridge 2.0 miles southeast of Baton Rouge Post Office.	d1.31	1971-74	3-24-73 11- 5-73 3-26-74	a22.21 23.53 22.68
07379505	Corporation Canal at Chimes St., at Baton Rouge, La.	Lat 30°25'02", long 91°10'22", East Baton Rouge Parish, at bridge 2.4 miles southeast of Baton Rouge Post Office.	d1.44	1971-74	11- 5-73 3-26-74	23.15 22.54
07379507	Corporation Canal at Campus Drive, at Baton Rouge, La.	Lat 30°24'14", long 91°10'15", East Baton Rouge Parish, at bridge 2.7 miles southeast of Baton Rouge Post Office.	d1.64	1971-74	11- 5-73 3-26-74	20.83 20.11
07379508	Corporation Canal at Stanford Ave., at Baton Rouge, La.	Lat 30°24'24", long 91°09'52", East Baton Rouge Parish, at culvert 3.2 miles southeast of Baton Rouge Post Office.	d2.43	1971-74	11- 5-73 3-26-74	18.01 20.17
07379550	Bayou Duplanier at Lee Drive, at Baton Rouge, La.	Lat 30°24'05", long 91°09'09", East Baton Rouge Parish, at bridge 3.8 miles south of Baton Rouge Post Office.	--	1962-74	5-23-74	20.12
07379950	Dawson Creek at Staring Lane, near Baton Rouge, La.	Lat 30°23'19", long 91°06'42", East Baton Rouge Parish, at bridge 6.0 miles southeast of Baton Rouge Post Office.	--	1962-74	5-23-74	20.51
07380000	Ward Creek at Siegen Lane, near Baton Rouge, La.	Lat 30°22'30", long 91°04'10", East Baton Rouge Parish, at bridge 0.5 mile downstream from Dawson Creek, and 8.5 miles southeast of Baton Rouge Post Office.	40.0	1947-54c, 1955-68b, 1972-74	11- 5-73 4-13-74	11.28 19.52

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS

Annual maximum elevation at flood-profile partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Flood peak	
					Date	Elevation (feet above mean sea level)
Mississippi River Delta--Continued						
07380108	Bayou Manchac at mouth, near Port Vincent, La.	Lat 30°30'43", long 90°53'35", Ascension Parish, on right bank, 100 ft upstream from mouth, 2.6 miles northwest of Port Vincent.	153	1972-74	12-28-73	6.72
07380223	New River at Gonzales, La.	Lat 30°14'12", long 90°54'43", Ascension Parish, at bridge on U.S. Highway 61, 0.5 mile north-east of Gonzales water tower.	--	1963-74	5-23-74	9.04
07380227	Bayou Francois at Gonzales, La.	Lat 30°13'35", long 90°55'14", Ascension Parish, at bridge on State Highway 44, 0.4 mile south-west of Gonzales water tower.	--	1963-74	5-23-74	7.55
07382256	Bayou Rapides-Boeuf-Cocodrie diversion channel at Alexandria, La.	Lat 30°17'43", long 92°29'38", Rapides Parish, at bridge on State Highway 28, 3.2 miles west of Alexandria city hall.	--	1963-74	4-12-74	<+11.18
07382257	Bayou Rapides-Boeuf-Cocodrie diversion channel at State Highway 488, near Alexandria, La.	Lat 31°15'37", long 92°31'13", Rapides Parish, at bridge 5.7 miles southwest of Alexandria city hall.	--	1963-74	4-12-74	68.14
07382258	Bayou Rapides-Boeuf-Cocodrie diversion channel at U.S. Highway 165, near Alexandria, La.	Lat 31°13'39", long 92°29'49", Rapides Parish, at bridge 6.5 miles southwest of Alexandria city hall.	--	1963-74	4-12-74	<69.22
07382700	Bayou Carron at Washington, La.	Lat 30°36'55", long 92°03'50", St. Landry Parish, at bridge on State Highway 10, at southwestern edge of Washington.	82.6	1956-57f, 1960f, 1962-68f, 1973-74	1-20-74	47.08
07382840	Hynson Bayou at Bringham Park, at Alexandria, La.	Lat 31°17'19", long 92°27'16", Rapides Parish, on right bank just below bridge on Masonic Drive, 1.7 miles south of Alexandria city hall.	--	1963-74	1974	<75.4
07382850	Horseshoe Drainage Canal at Packing House Rd., at Alexandria, La.	Lat 31°16'25", long 92°26'15", Rapides Parish, at bridge 2.6 miles south of Alexandria city hall.	--	1960-74	4-12-74	70.52
07382855	Hynson Bayou at Midway St., at Alexandria, La.	Lat 31°16'15", long 92°25'22", Rapides Parish, at bridge 3.1 miles southeast of Alexandria city hall.	--	1963-74	4-12-74	70.28
07382865	Persimmon Bayou near Alexandria, La.	Lat 31°13'45", long 92°22'51", Rapides Parish, at Texas and Pacific Railway bridge, just downstream from State Highway 1, and 6.7 miles southeast of Alexandria city hall.	--	1963-74	1-20-74	66.14
07383000	Chatlin Lake Canal near LeCompte, La.	Lat 31°07'10", long 92°20'40", Rapides Parish, at bridge on State Highway 457, and 3.7 miles northeast of LeCompte.	75.9	1943-58c, 1960, 1962-74	4-12-74	61.55
07384100	Turners Bayou Canal near Woodside, La.	Lat 30°51'06", long 91°51'20", Avoyelles Parish, at bridge on unnumbered parish road, 0.8 mile north of Woodside.	--	1973-74	5- 5-74	+6.77
Mermentau River basin						
08011000	Bayou Plaquemine Brule near Crowley, La.	Lat 30°14'09", long 92°23'44", Acadia Parish, at bridge on State Highway 100, and 1.8 miles northwest of Crowley.	252	1942-47b, 1965-74	1-20-74	+7.12
08012445	Bayou Chene near Welsh, La.	Lat 30°09'24", long 92°46'06", Jefferson Davis Parish, at bridge on parish road, 6.0 miles southeast of Welsh.	106	1969-74	1-29-74	+18.67
08012470	Bayou Lacassine near Lake Arthur, La.	Lat 30°04'12", long 92°52'43", Jefferson Davis Parish, at bridge on State Highway 14, and 12.9 miles west of Lake Arthur.	299	1969-74	1-29-74	+10.93

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS

215

Annual maximum elevation at flood-profile partial-record stations during water year 1974--Continued

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Flood peak	
					Date	Elevation (feet above mean sea level)
Calcasieu River basin						
08012600	Calcasieu River near Slagle, La.	Lat 31°13'30", long 93°06'05", Vernon Parish, at bridge on State Highway 8, and 2.2 miles northeast of Slagle.	48.1	1959-74	1-20-74	†13.53
Sabine River basin						
08025700	Sandy Creek near Burr Ferry, La.	Lat 31°08'30", long 93°31'10", Vernon Parish, at bridge on State Highway 111, 5.3 miles northwest of Burr Ferry, La.	33.7	1964-74	4-12-74	111.72

† Gage datum; mean sea level of gage not determined.

* Corrected.

< Less than amount shown.

‡ No record.

‡‡ Drainage area indeterminate.

a Not previously published.

b Operated as a crest-stage partial-record station.

c Operated as a continuous-record gaging station.

d Approximately.

e Including Pretty Creek.

f Operated as a low-flow partial-record station.

DISCHARGE RECORDS FOR 1973 WATER YEAR NOT PREVIOUSLY PUBLISHED

02490500 Bogue Chitto near Tylertown, Miss.

LOCATION.--Lat 31°11', long 90°17', in SE¼ sec.34, T.3 N., R.9 E., Washington meridian, Pike County, 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 September 1973.

GAGE.--Water-stage recorder. Datum of gage is 227.40 ft (69.312 m) above mean sea level.

AVERAGE DISCHARGE.--29 years, 773 ft³/s (21.89 m³/s), 20.91 in/yr (531 mm/yr).

EXTREMES.--1972-73: Maximum discharge, 30,700 ft³/s (869 m³/s) Mar. 25; maximum gage height, 30.07 ft (9.165 m) Mar. 25; minimum discharge, 234 ft³/s (6.63 m³/s), part of each day Oct. 13-22 (gage height, 6.08 ft or 1.853 m).

Period of record: Maximum discharge, 45,700 ft³/s (1,290 m³/s) Jan. 7, 1950 (gage height, 33.50 ft or 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.

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.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1504: 1945 (P), 1946(M), 1947-51, 1953.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	256	273	330	2,020	653	452	5,020	834	703	364	469	463
2	256	273	318	2,590	1,500	463	3,870	846	915	356	653	399
3	251	308	313	3,160	1,630	696	2,660	3,690	606	351	424	388
4	249	343	333	3,050	1,410	787	1,470	2,720	514	353	396	435
5	245	301	642	2,410	768	1,520	1,180	2,320	484	353	372	681
6	245	280	3,820	1,960	619	1,590	903	1,610	490	505	361	915
7	245	278	7,120	1,730	555	2,400	2,000	1,210	475	580	356	802
8	242	280	2,810	2,280	564	4,220	3,100	2,030	487	463	346	745
9	242	278	1,690	2,300	1,640	4,760	2,500	2,770	590	407	340	593
10	238	280	886	1,950	2,340	2,460	2,020	3,690	571	366	338	490
11	238	271	674	1,230	2,120	2,090	979	2,490	475	353	338	441
12	236	269	580	945	1,490	4,210	764	1,360	458	348	478	418
13	236	292	580	795	882	4,130	663	1,260	444	340	670	2,160
14	236	410	678	692	2,470	2,540	603	862	496	343	622	1,490
15	236	564	726	629	4,240	1,130	561	730	667	333	593	854
16	236	402	1,060	580	5,610	1,240	1,070	646	696	328	760	596
17	234	330	1,250	545	2,740	2,910	4,480	603	663	325	636	493
18	236	313	757	520	1,110	2,520	15,400	568	584	320	526	446
19	236	361	577	502	842	2,290	12,500	542	517	318	499	418
20	236	366	757	484	719	1,440	7,180	526	548	318	441	402
21	236	348	8,370	924	636	1,470	3,180	508	814	330	393	388
22	264	320	17,200	1,630	584	1,070	1,400	496	1,020	333	369	379
23	749	306	9,270	979	552	818	1,020	490	776	325	356	374
24	502	301	4,120	670	526	1,820	866	558	517	343	351	369
25	361	418	1,670	571	514	24,100	1,810	636	452	340	346	366
26	296	571	992	539	499	22,400	2,760	681	424	369	340	361
27	359	603	795	526	481	7,000	2,880	584	410	393	404	359
28	404	438	685	542	463	2,750	2,710	545	399	421	558	390
29	385	374	622	542	-----	1,400	2,020	529	385	532	639	435
30	316	346	600	514	-----	1,260	1,040	517	379	493	502	564
31	287	-----	1,330	484	-----	4,430	-----	502	-----	427	561	-----
TOTAL	8,988	10,497	71,555	38,293	38,157	112,366	88,609	37,353	16,959	11,730	14,437	17,614
MEAN	290	350	2,308	1,235	1,363	3,625	2,954	1,205	565	378	466	587
MAX	749	603	17,200	3,160	5,610	24,100	15,400	3,690	1,020	580	760	2,160
MIN	234	269	313	484	463	452	561	490	379	318	338	359
CFSM	.58	.70	4.60	2.46	2.72	7.22	5.88	2.40	1.13	.75	.93	1.17
IN.	.67	.78	5.30	2.84	2.83	8.33	6.57	2.77	1.26	.87	1.07	1.31

CAL YR 1972 TOTAL 285,114 MEAN 779 MAX 17,200 MIN 220 CFSM 1.55 IN 21.13
WTR YR 1973 TOTAL 466,558 MEAN 1,278 MAX 24,100 MIN 234 CFSM 2.55 IN 34.57

PEAK DISCHARGE (BASE, 6,000 CFS)

DATE	TIME	G.HT.	DISCHARGE	DATE	TIME	G.HT.	DISCHARGE
12- 7	0800	17.45	8,620	3-25	1200	30.07	30,700
12-21	2400	a23.90	18,600	4- 1	0100	15.30	6,300
2-16	0700	15.29	6,290	4-18	2000	24.40	19,200

a At 1400 Dec. 22.

MISSISSIPPI RIVER MAIN STEM

07289000 Mississippi River at Vicksburg, Miss.

LOCATION.--Lat 32°18'45", long 90°54'25", in T.16 N., R.3 E., Washington meridian, Warren County, 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.--1,144,500 mi² (2,964,500 km²).

PERIOD OF RECORD.--Discharge: January 1928 to September 1973 (records for 1974 water year not available). Prior to July 1931, monthly discharge only, published in WSP 1311.

Gage heights: April 1930 to September 1973 in reports of Geological Survey. Since December 1871, referred to canal gages (above 30.0 ft or 9.14 m only, since December 1949), and since September 1934 to December 1964, referred to bridge gage, in reports of Mississippi River Commission. January 1937 to December 1967, referred to bridge gage; and since 1967, referred to gage 1.1 mi (1.8 km) upstream, in reports of Corps of Engineers. Since May 1873, in reports of U.S. Weather Bureau.

Extremes of stage intermittently 1828-71 and continuous since 1871, extremes of discharge for various years 1858-1926 and continuous 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.

GAGE.--Water-stage recorder (bridge gage) maintained by the Geological Survey. Supplementary water-stage recorder on left bank at site 1.1 mi (1.8 km) upstream, maintained by Corps of Engineers. Datum of gage is 46.22 ft (14.088 m) above mean sea level (Corps of Engineers bench mark) or 46.16 ft (14.070 m) above mean Gulf level. See WRD LA 1969 or WRD MISS 1973 for history of changes prior to water year 1970 and for history of gages used by the various data-collecting agencies. All gages at same datum, but readings differ due to slope of water surface between them.

AVERAGE DISCHARGE.--45 years, 562,400 ft³/s (15,930 m³/s), 407,500,000 acre-ft/yr (502 km³/yr).

EXTREMES.--1972-73: Maximum daily discharge, 1,962,000 ft³/s (55,600 m³/s) May 12; maximum gage height, 50.67 ft (15.444 m) May 14 at bridge gage, 53.10 ft (16.185 m) at supplementary recorder; minimum daily discharge, 291,000 ft³/s (8,240 m³/s) Sept. 26, minimum gage height, 9.00 ft (2.743 m) at supplementary recorder.

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).

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).

REMARKS.--Records excellent. Natural flow of stream affected by many reservoirs and navigation dams. See following page for table of daily gage height.

COOPERATION.--Supplementary gage-height record, one hundred nineteen discharge measurements, and records of daily discharge furnished by Corps of Engineers. Records reviewed by Geological Survey.

REVISIONS.--WSP 747: Drainage area.

DISCHARGE, IN THOUSANDS OF CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	384	438	1,024	1,238	1,129	945	1,670	1,870	1,512	907	616	367
2	389	451	1,006	1,216	1,158	898	1,688	1,892	1,479	861	642	358
3	385	473	974	1,218	1,165	842	1,705	1,897	1,440	833	648	348
4	381	538	955	1,213	1,160	790	1,720	1,904	1,409	811	640	339
5	382	583	932	1,211	1,150	747	1,731	1,911	1,377	792	622	338
6	387	604	912	1,212	1,150	727	1,742	1,909	1,362	773	606	338
7	399	636	894	1,214	1,148	721	1,755	1,907	1,361	760	580	337
8	410	673	887	1,217	1,147	720	1,770	1,916	1,359	740	550	337
9	418	733	875	1,218	1,128	761	1,783	1,930	1,344	693	512	335
10	429	788	884	1,220	1,130	790	1,780	1,940	1,348	649	490	336
11	442	822	901	1,222	1,145	823	1,779	1,952	1,354	624	460	338
12	450	847	928	1,225	1,173	853	1,779	1,962	1,345	629	432	333
13	453	868	944	1,223	1,184	921	1,780	1,940	1,330	634	399	330
14	448	863	966	1,219	1,198	987	1,784	1,927	1,309	634	387	328
15	440	859	1,005	1,215	1,209	1,048	1,790	1,930	1,288	620	378	322
16	435	860	1,030	1,202	1,216	1,126	1,796	1,934	1,272	584	371	320
17	434	867	1,064	1,165	1,222	1,158	1,797	1,931	1,271	561	391	322
18	432	880	1,100	1,104	1,226	1,190	1,799	1,913	1,270	542	417	321
19	425	900	1,115	1,043	1,226	1,234	1,793	1,900	1,250	529	429	320
20	417	918	1,140	990	1,221	1,253	1,788	1,876	1,211	518	436	319
21	405	944	1,166	935	1,206	1,280	1,783	1,846	1,181	509	441	317
22	398	974	1,182	883	1,194	1,307	1,760	1,847	1,148	490	447	313
23	391	1,014	1,195	860	1,180	1,337	1,745	1,855	1,113	469	450	309
24	388	1,023	1,209	851	1,160	1,365	1,760	1,820	1,079	453	450	299
25	391	1,029	1,219	870	1,138	1,394	1,792	1,785	1,039	441	437	293
26	403	1,033	1,226	936	1,113	1,432	1,810	1,752	1,010	441	430	291
27	419	1,037	1,237	961	1,060	1,465	1,822	1,685	984	441	424	295
28	420	1,037	1,241	995	1,005	1,510	1,836	1,642	971	461	412	300
29	426	1,033	1,245	1,039	-----	1,556	1,842	1,622	959	494	400	305
30	430	1,030	1,251	1,068	-----	1,600	1,851	1,599	948	536	388	309
31	434	-----	1,250	1,098	-----	1,654	-----	1,560	-----	580	376	-----
TOTAL	12,845	24,755	32,957	34,281	32,541	34,434	53,230	57,354	37,323	19,009	14,661	9,717
MEAN	414	825	1,063	1,106	1,162	1,111	1,774	1,850	1,244	613	473	324
MAX	453	1,037	1,251	1,238	1,226	1,654	1,851	1,962	1,512	907	648	367
MIN	381	438	875	851	1,005	720	1,670	1,560	948	441	371	291
AC-FT	25,480	49,100	65,370	68,000	64,540	68,300	105,580	113,760	74,030	37,700	29,080	19,270

CAL YR 1972 TOTAL 236,425 MEAN 646.0 MAX 1,251 MIN 303.0 AC-FT 468,900
WTR YR 1973 TOTAL 363,107 MEAN 994.8 MAX 1,962 MIN 291.0 AC-FT 720,200

NOTE.--Discharge computed from records of supplementary recorder.

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07289000 Mississippi River at Vicksburg, Miss.--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.10	13.98	33.10	38.61	36.92	34.71	48.10	51.55	48.27	35.73	23.90	14.25
2	11.97	14.26	32.79	38.58	37.35	33.20	48.40	51.70	47.68	34.80	24.80	13.90
3	11.97	14.97	32.46	38.60	37.60	31.40	48.79		46.95	33.70	25.11	13.55
4	11.95	16.35	32.09	38.55	37.72	29.69	49.10		46.36	32.50	25.03	12.93
5	11.98	18.68	31.69	38.50	37.80	28.43	49.32	52.09	45.83	31.51	24.52	12.55
6	12.37	20.14	31.30	38.50	37.80	27.49	49.51	52.20	45.49	30.67	23.85	12.45
7	12.90	21.23	30.79	38.52	37.72	27.09	49.85	52.40	45.18	29.90	22.91	12.02
8	13.50	22.36	30.43	38.68	37.68	26.90	50.10	52.58	45.01	29.18	21.91	11.90
9	13.93	23.93	30.12	38.70	37.60	27.13	50.25	52.70	44.94	28.30	20.72	11.70
10	14.40	25.81	29.90	38.80	37.60	27.58	50.30	52.80	44.90	27.02	19.43	11.95
11	14.89	27.24	30.20	38.90	37.72	28.55	50.30	52.87	44.89	25.88	18.25	12.10
12	15.31	28.03	30.64	38.94	38.00	29.80	50.38	52.95	44.80	25.10	17.35	12.00
13	15.50	28.54	31.10	38.90	38.32	31.50	50.34	53.07	44.73	24.80	16.38	11.90
14	15.47	28.85	31.44	38.72	38.82	33.42	50.28	53.10	44.63	24.80	15.71	11.42
15	15.30	28.75	32.22	38.50	39.10	35.18	50.25	53.07	44.51	24.50	15.12	11.08
16	15.00	28.70	32.97	38.15	39.28	37.30	50.30	53.00	44.30	23.76	14.75	11.00
17	14.82	28.84	33.70	37.67	39.35	38.40	50.22	53.00	44.02	22.99	14.70	11.18
18	14.64	29.14	34.39	36.98	39.44	39.28	50.37	52.86	43.79	22.17	15.05	10.92
19	14.32	29.70	35.13	36.10	39.47	40.15	50.28	52.72	43.35	21.57	15.74	10.55
20	13.80	30.47	35.68	34.92	39.35	40.95	50.10	52.60	42.97	21.03	15.45	10.58
21	13.30	31.15	36.42	33.80	39.15	41.50	50.00	52.40	42.50	20.40	15.90	10.28
22	12.83	31.86	37.02	32.31	38.92	42.10	50.05	52.23	41.91	19.71	17.12	10.02
23	12.70	32.47	37.40	30.98	38.80	42.68	50.12	51.98	41.19	19.00	17.16	9.90
24	12.41	32.80	37.78	30.48	38.55	43.20	50.25	51.59	40.50	18.40	17.30	9.78
25	12.33	32.98	38.10	30.82	38.21	44.12	50.45	51.40	39.75	17.80	17.00	9.53
26	12.69	33.09	38.29	31.72	37.72	44.80	50.70	51.11	38.98	17.36	15.60	9.10
27	13.27	33.11	38.42	32.68	37.00	45.34	50.90	50.74	38.21	17.00	16.25	9.15
28	13.64	33.28	38.50	33.80	36.00	45.89	51.10	50.42	37.63	17.30	15.80	9.26
29	13.79	33.22	38.55	34.68	-----	46.49	51.25	49.88	37.09	18.35	15.10	9.52
30	13.87	33.30	38.60	35.41	-----	47.09	51.40	49.41	36.50	20.33	14.95	9.93
31	13.98	-----	38.62	36.18	-----	47.62	-----	48.80	-----	22.30	14.60	-----

NOTE.--Gage heights based on records of supplementary recorder.

LOWER MISSISSIPPI RIVER BASIN

221

MISSISSIPPI RIVER MAIN STEM

07295100 Mississippi River at Tarbert Landing, Miss.

LOCATION.--Lat 31°00'30", long 91°37'25", in lot 6, T.1 N., R.5 W., Wilkinson County, near left bank at Tarbert Landing, 2.5 miles (3.9 km) upstream from Lower Old River, 8.2 miles (13.2 km) downstream from inlet channel to Old River control structure, and at mile 306.3 (492.8 km).

DRAINAGE AREA.--1,128,900 mi² (2,924,000 km²), contributing.

PERIOD OF RECORD.--October 1972 to September 1973. Elevation, intermittently, 1932 to date, and discharge, 1911 to 1913, 1928, 1929, and 1932 to 1936, and discharge computed daily since 1936 are in reports of Corps of Engineers.

GAGE.--Staff gage. Datum of gage is at mean sea level.

EXTREMES.--1972-73: Maximum discharge, 1,498,000 ft³/s (42,400 m³/s) May 16 (elevation, 54.61 ft (16.645 m); minimum, 204,000 ft³/s (5,780 m³/s) Sept. 26 (elevation, 16.09 ft (4.904 m).
Maximum discharge, 1,977,000 ft³/s (56,000 m³/s) observed on Feb. 19, 1937, minimum, 85,000 ft³/s (2,410 m³/s) Nov. 4, 1939.

REMARKS.--Natural flow of stream affected by many reservoirs and navigation dams.

COOPERATION.--Records of daily discharge furnished by Corps of Engineers.

NOTE.--Records for 1974 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

DISCHARGE, IN THOUSANDS OF CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	281	301	735	935	822	759	1,090	1,360	1,220	703	367	247
2	275	302	728	936	842	722	1,110	1,390	1,190	643	392	241
3	279	308	721	938	854	686	1,150	1,330	1,160	627	403	239
4	284	325	710	914	863	654	1,180	1,330	1,130	614	408	239
5	289	359	704	888	867	620	1,210	1,400	1,070	596	407	238
6	287	397	697	885	873	594	1,240	1,390	1,090	572	399	237
7	290	429	683	892	875	580	1,270	1,370	1,050	550	388	234
8	295	454	673	897	881	565	1,290	1,320	1,050	535	374	232
9	300	490	666	900	872	559	1,290	1,450	1,030	511	355	230
10	304	531	658	902	861	563	1,270	1,390	1,040	494	335	228
11	309	568	662	904	846	582	1,290	1,350	1,010	467	313	229
12	312	590	671	908	839	591	1,350	1,430	1,010	447	294	232
13	323	615	683	909	842	618	1,300	1,420	992	441	279	235
14	330	637	697	908	858	660	1,340	1,430	978	433	269	231
15	333	650	717	911	868	709	1,340	1,430	983	430	263	227
16	335	657	740	892	873	745	1,390	1,500	1,000	421	260	223
17	331	665	758	882	875	780	1,360	1,440	979	414	255	220
18	327	674	778	867	880	800	1,410	1,440	957	404	254	218
19	323	677	802	848	885	814	1,320	1,400	975	396	260	222
20	316	693	836	819	876	833	1,370	1,430	964	384	267	216
21	308	708	877	796	871	857	1,230	1,410	937	372	277	207
22	304	724	879	765	866	868	1,290	1,390	910	361	283	218
23	298	735	885	742	860	887	1,300	1,370	878	350	285	213
24	290	747	893	708	856	945	1,280	1,360	856	339	291	209
25	285	751	901	698	849	983	1,290	1,300	856	328	296	207
26	285	750	910	699	839	995	1,240	1,370	850	319	296	210
27	292	747	919	709	819	1,010	1,240	1,300	819	300	297	208
28	294	747	923	727	789	1,020	1,260	1,350	811	293	283	209
29	299	746	930	751	-----	1,040	1,360	1,300	744	294	268	212
30	302	739	936	767	-----	1,050	1,430	1,220	763	308	260	218
31	300	-----	937	792	-----	1,070	-----	1,210	-----	336	256	-----
TOTAL	9,380	17,716	24,309	26,089	24,001	24,159	38,530	42,580	29,302	13,682	9,634	6,729
MEAN	303	591	784	842	857	779	1,284	1,374	977	441	311	224
MAX	335	751	937	938	885	1,070	1,430	1,500	1,220	703	408	247
MIN	275	301	658	698	789	559	1,090	1,210	744	293	254	207

WTR YR 1973 TOTAL 266,111 MEAN 729 MAX 1,500 MIN 207.0

07348500 Red River at Shreveport, La.

LOCATION.--Lat 32°30'55", long 93°44'25", in SE¼SE¼ sec.30, T.18 N., R.13 W., Caddo Parish, on second pier from east bank, at Illinois Central Railroad Co. bridge at Shreveport, 0.5 mi (0.8 km) downstream from Cross Bayou.

DRAINAGE AREA.--60,613 mi² (156,988 km²), of which 5,936 mi² (15,374 km²) above Denison Dam is noncontributing.

PERIOD OF RECORD.--August 1928 to September 1973. Daily gage heights since May 1873 and discharge intermittently 1872 to 1905 in reports of Mississippi River Commission.

GAGE.--Water-stage recorder. Datum of gage is 131.48 ft (40.075 m) above mean sea level (levels by Corps of Engineers). Prior to June 1, 1918, nonrecording gage at same site at datum 10 ft (3.048) higher.

AVERAGE DISCHARGE.--45 years, 24,200 ft³/s (685 m³/s), 17,530,000 acre-ft/yr (2.16 km³/yr).

EXTREMES.--1972-73: Maximum discharge, 156,000 ft³/s (4,420 m³/s) Apr. 29, gage height, 26.55 ft (8.092 m); minimum daily, 1,600 ft³/s (45.3 m³/s) Oct. 14.

Period of record: Maximum discharge, 303,000 ft³/s (8,580 m³/s) Apr. 5, 1945 (discharge measurement), maximum gage height, 37.9 ft (11.552 m) in gage well, 38.4 ft (10.485 m) from outside gage, Apr. 7, 1945; minimum discharge 690 ft³/s (19.5 m³/s) Oct. 30, 1956; minimum gage height, 0.24 ft (0.07 m) Nov. 9, 1939.

Maximum stage known, 45.9 ft (13.990 m), present datum, in August 1849.

REMARKS.--Retulation by Lake Texoma, Millwood Reservoir, and Texarkana Reservoir.

COOPERATION.--Gage-height record, and computations of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS (WATER YEARS).--WSP 1211: Drainage area. WSP 1920: 1960(M).

NOTE.--Discharge records for 1974 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,300	9,700	23,000	19,000	50,000	22,000	91,000	123,000	25,000	30,000	7,100	8,100
2	4,300	10,000	22,000	18,000	50,000	22,000	82,000	114,000	24,000	27,000	7,500	7,700
3	3,900	23,000	20,000	18,000	48,000	22,000	78,000	112,000	21,000	25,000	7,400	6,800
4	3,400	61,000	19,000	18,000	48,000	30,000	79,000	110,000	20,000	22,000	6,900	6,500
5	3,900	80,000	18,000	19,000	51,000	47,000	71,000	108,000	25,000	20,000	6,100	8,500
6	2,900	79,000	16,000	21,000	53,000	64,000	69,000	108,000	45,000	18,000	5,400	9,400
7	2,800	77,000	14,000	24,000	52,000	84,000	66,000	109,000	73,000	20,000	5,500	10,000
8	2,800	71,000	13,000	25,000	55,000	94,000	63,000	105,000	89,000	19,000	6,100	12,000
9	2,700	68,000	15,000	30,000	57,000	99,000	63,000	99,000	98,000	17,000	5,800	13,000
10	2,400	69,000	19,000	33,000	65,000	94,000	63,000	100,000	102,000	14,000	4,900	15,000
11	2,000	73,000	24,000	34,000	85,000	92,000	62,000	108,000	102,000	13,000	5,200	33,000
12	1,700	74,000	25,000	34,000	92,000	95,000	59,000	111,000	100,000	12,000	7,600	44,000
13	1,700	71,000	28,000	32,000	89,000	105,000	56,000	105,000	103,000	12,000	9,900	38,000
14	1,600	63,000	32,000	30,000	81,000	117,000	52,000	102,000	109,000	12,000	9,500	31,000
15	1,700	54,000	40,000	29,000	71,000	126,000	49,000	102,000	110,000	11,000	8,700	26,000
16	2,100	49,000	47,000	28,000	61,000	136,000	50,000	101,000	106,000	10,000	8,400	21,000
17	2,100	48,000	47,000	23,000	55,000	135,000	54,000	94,000	95,000	11,000	8,000	18,000
18	1,900	52,000	48,000	20,000	48,000	122,000	68,000	85,000	84,000	12,000	7,700	16,000
19	2,000	61,000	47,000	19,000	44,000	110,000	87,000	74,000	76,000	13,000	7,300	17,000
20	2,600	63,000	45,000	18,000	41,000	97,000	102,000	62,000	73,000	13,000	7,100	20,000
21	3,400	59,000	42,000	18,000	39,000	85,000	108,000	54,000	68,000	12,000	7,200	20,000
22	4,100	55,000	35,000	21,000	35,000	77,000	114,000	48,000	66,000	12,000	7,400	18,000
23	4,500	53,000	29,000	24,000	32,000	74,000	116,000	41,000	68,000	12,000	9,000	16,000
24	4,300	52,000	26,000	32,000	30,000	73,000	122,000	36,000	72,000	12,000	9,900	15,000
25	3,900	50,000	24,000	36,000	27,000	78,000	132,000	34,000	69,000	13,000	9,900	15,000
26	4,000	45,000	23,000	41,000	25,000	87,000	141,000	32,000	59,000	13,000	9,700	14,000
27	5,400	40,000	21,000	43,000	22,000	97,000	148,000	32,000	48,000	12,000	9,200	13,000
28	7,600	36,000	20,000	42,000	21,000	105,000	154,000	30,000	39,000	9,900	9,000	13,000
29	9,500	31,000	19,000	38,000	-----	109,000	151,000	27,000	33,000	8,200	7,700	14,000
30	10,000	26,000	19,000	37,000	-----	109,000	138,000	26,000	32,000	7,000	8,200	13,000
31	10,000	-----	19,000	43,000	-----	101,000	-----	25,000	-----	7,000	8,300	-----
TOTAL	118,600	1,602,74	839,000	867,000	1,427,04	2,708,04	2,688,04	2,417,04	2,034,04	449,100	237,600	512,000
MEAN	3,826	53,420	27,060	27,970	50,960	87,350	89,600	77,970	67,500	14,490	7,665	17,070
MAX	10,000	80,000	48,000	43,000	92,000	136,000	154,000	123,000	110,000	30,000	9,900	44,000
MIN	1,600	9,700	13,000	18,000	21,000	22,000	49,000	25,000	20,000	7,000	4,900	6,500

CAL YR 1972 TOTAL 5,564,200 MEAN 15,480 MAX 80,000 MIN 1,500
 WTR YR 1973 TOTAL 15,900,000 MEAN 43,560 MAX 154,000 MIN 1,600

07355500 Red River at Alexandria, La.

LOCATION.--Lat 31°18'46", long 92°26'34", in SE¼ sec.10, T.4 N., R.1 W., Rapides Parish, near center of span on downstream side of old bridge on U.S. Highway 165 between Alexandria and Pineville, and 1.7 mi (2.7 km) downstream from Bayou Rigolette.

DRAINAGE AREA.--67,500 mi² (174,800 km²), of which 5,936 mi² (15,374 km²) above Denison Dam is noncontributing.

RECORDS AVAILABLE.--October 1928 to September 1973. Since January 1928, in reports of Mississippi River Commission. Discharge observations in 1858 and intermittently 1879 to 1927, and gage heights since 1872 in reports of Mississippi River Commission.

GAGE.--Wire-weight gage read twice daily. Datum of gage is 44.26 ft (13.490 m) above mean sea level or 44.18 ft (13.466 m) above mean sea level or 44.18 ft (13.466 m) above mean Gulf level, datum of Mississippi River Commission (levels by Corps of Engineers). Prior to July 14, 1934, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--45 years, 30,800 ft³ (872 m³/s), 22,330,000 acre-ft/yr (2.75 km³/yr).

EXTREMES.--1972-73: Maximum discharge, 142,000 ft³/s (4,020 m³/s) Apr. 30, gage height, 35.0 ft (10.67 m); minimum daily, 2,300 ft³/s (65.1 m³/s) Oct. 23.

Period of record: Maximum discharge, 233,000 ft³/s (6,600 m³/s) Apr. 17, 1945, gage height, 45.23 ft (13.786 m); minimum, 873 ft³/s (24.7 m³/s) Oct. 30, 1956, gage height, -3.01 ft (-0.917 m).

A discharge of 210,000 ft³/s (5,950 m³/s) was measured July 2, 1908, gage height, 41.6 ft (12.68 m).

REMARKS.--Regulation by Lake Texoma, Millwood Reservoir, and Texarkana Reservoir. Records of chemical analyses and suspended sediment for the water year 1974 are published in Part 2 of this report.

COOPERATION.--Gage-height record and computations of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

REVISIONS (WATER YEARS)--WSP 1211: Drainage area.--WSP 1241: 1929-36.

NOTE.--Daily discharge records for 1974 water year are not available in time for inclusion in this report. They will be published in a subsequent report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,200	11,000	31,000	30,000	47,000	27,000	105,000	141,000	33,000	40,000	12,000	8,300
2	4,900	13,000	28,000	29,000	51,000	28,000	104,000	140,000	31,000	36,000	13,000	8,900
3	5,200	13,000	26,000	28,000	52,000	29,000	103,000	137,000	30,000	34,000	13,000	9,100
4	5,300	14,000	24,000	27,000	51,000	30,000	102,000	134,000	29,000	31,000	13,000	9,600
5	5,300	25,000	23,000	28,000	50,000	33,000	95,000	135,000	26,000	29,000	12,000	15,000
6	4,900	50,000	22,000	29,000	49,000	45,000	94,000	134,000	27,000	26,000	11,000	17,000
7	4,600	67,000	21,000	35,000	49,000	63,000	94,000	135,000	30,000	25,000	9,600	22,000
8	4,300	72,000	19,000	37,000	51,000	75,000	93,000	134,000	37,000	25,000	8,400	22,000
9	4,700	72,000	19,000	42,000	54,000	83,000	84,000	127,000	50,000	27,000	7,600	21,000
10	4,000	68,000	18,000	44,000	56,000	86,000	80,000	120,000	62,000	26,000	7,700	20,000
11	3,800	66,000	19,000	47,000	62,000	85,000	76,000	120,000	80,000	24,000	7,600	20,000
12	3,700	67,000	25,000	47,000	71,000	84,000	73,000	121,000	88,000	22,000	7,200	26,000
13	3,600	69,000	31,000	46,000	76,000	83,000	70,000	121,000	97,000	20,000	7,000	33,000
14	3,300	69,000	34,000	45,000	86,000	84,000	68,000	121,000	107,000	18,000	7,100	34,000
15	3,100	67,000	40,000	44,000	89,000	91,000	62,000	121,000	109,000	16,000	7,800	34,000
16	2,700	59,000	48,000	42,000	80,000	111,000	65,000	121,000	110,000	16,000	9,200	30,000
17	2,700	50,000	48,000	39,000	72,000	117,000	70,000	120,000	111,000	15,000	9,300	29,000
18	2,400	48,000	51,000	37,000	64,000	124,000	73,000	120,000	109,000	14,000	9,400	26,000
19	2,400	50,000	53,000	36,000	58,000	128,000	78,000	119,000	104,000	14,000	8,800	24,000
20	2,400	55,000	55,000	33,000	51,000	131,000	90,000	115,000	94,000	15,000	8,300	23,000
21	2,300	58,000	56,000	32,000	46,000	131,000	101,000	105,000	90,000	16,000	7,600	24,000
22	3,800	57,000	57,000	33,000	42,000	124,000	107,000	98,000	80,000	16,000	7,400	24,000
23	5,100	54,000	56,000	33,000	41,000	118,000	109,000	85,000	75,000	15,000	7,300	25,000
24	4,900	52,000	49,000	34,000	37,000	114,000	112,000	76,000	69,000	15,000	7,000	25,000
25	5,000	50,000	44,000	36,000	35,000	111,000	120,000	66,000	67,000	15,000	7,700	23,000
26	4,800	50,000	41,000	39,000	33,000	107,000	128,000	60,000	67,000	15,000	8,400	20,000
27	5,200	49,000	38,000	42,000	32,000	104,000	132,000	52,000	66,000	16,000	9,000	19,000
28	5,500	45,000	35,000	45,000	30,000	102,000	136,000	47,000	60,000	14,000	9,200	18,000
29	5,900	42,000	33,000	46,000	-----	102,000	139,000	43,000	53,000	14,000	8,500	17,000
30	6,700	38,000	31,000	44,000	-----	102,000	142,000	39,000	46,000	13,000	8,100	16,000
31	8,700	-----	31,000	44,000	-----	104,000	-----	35,000	-----	12,000	7,800	-----
TOTAL	135,400	1,500,000	1,106,000	1,173,000	1,515,000	2,756,000	2,905,000	3,242,000	2,037,000	634,000	277,000	642,900
MEAN	4,368	50,000	35,680	37,840	54,110	88,900	96,830	104,600	67,900	20,450	8,935	21,430
MAX	8,700	72,000	57,000	47,000	89,000	131,000	142,000	141,000	111,000	40,000	13,000	34,000
MIN	2,300	11,000	18,000	27,000	30,000	27,000	62,000	35,000	26,000	12,000	7,000	8,300
CAL YR 1972	TOTAL	7,378,500	MEAN	20,160	MAX	92,000	MIN	2,200				
WTR YR 1973	TOTAL	17,923,300	MEAN	49,100	MAX	142,000	MIN	2,300				

07367000 Ouachita River at Monroe, La.

Location.--Lat 32°30'19", long 92°07'32", in lot 50, T.18 N., R.3 E., Ouachita Parish, near center of span on downstream side of bridge on U. S. Highway 80 at Monroe, 0.4 mi (0.6 km) upstream from Illinois Central Railroad bridge, and 5.5 mi (8.8 km) upstream from lock and dam No. 4.

DRAINAGE AREA.--15,298 mi² (39,622 km²).

PERIOD OF RECORD.--January 1932 to September 1973. Monthly discharge only for some periods, published in WSP 1311. 1884 to 1891 (gage heights), 1892 to 1927 (gage heights and discharge measurements), and since January 1928 (daily discharges) in reports of Mississippi River Commission. Discharge measurements 1929-38 in reports of Corps of Engineers. Daily gage heights since June 1884 in reports of U. S. Weather Bureau.

GAGE.--Nonrecording gage read once daily. Datum of gage is 31.40 ft (9.571 m) above mean sea level (levels by Corps of Engineers). Prior to Jan. 6, 1937, nonrecording gages at several sites within 0.5 mi (0.8 km) of present site at same datum. Since Jan. 1, 1954, supplemental nonrecording gage 2.2 mi (3.5 km) downstream from lock and dam No. 4 read twice daily, at datum 30.10 ft (9.174 m) above mean sea level.

AVERAGE DISCHARGE.--41 years (1932-73), 17,240 ft³/s (488 m³/s), 12,490,000 acre-ft/yr (15.4 km³/yr).

EXTREMES.--1971-73: Maximum daily discharge during year, 88,900 ft³/s (2,510 m³/s) May 5, 6; maximum gage height, 48.80 ft (14.874 m) May 10; minimum discharge not determined; minimum gage height observed, 19.72 ft (6.011 m) Aug. 3.
Period of record: Maximum discharge, 101,000 ft³/s (2,860 m³/s) Feb. 2, 3, 1932; maximum gage height, 50.45 ft (15.377 m) May 23, 1958; minimum discharge not determined (pool stage); minimum gage height observed, 12.10 ft (3.688 m) Jan. 3, 1944.

REMARKS.--Stage-discharge relation below 10,000 ft³/s (283 m³/s) affected by operation of locks and dams. Flow regulated by Lake Greeson since November 1949 (usable capacity, 330,000 acre-ft or 407 hm³), by Lake Catherine since 1925 (usable capacity, 21,300 acre-ft or 26.3 hm³), by Lake Hamilton since 1932 (usable capacity, 119,560 acre-ft or 147 hm³), by Lake Ouachita since July 1952 (usable capacity, 1,903,000 acre-ft or 2.35 km³), and a series of locks and dams. Records of chemical analyses and water temperatures for the water year 1973 are published in Part 2 of this report.

COOPERATION.--Gage-height record, and records of daily discharges furnished by Corps of Engineers; records reviewed by Geological Survey.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1972 TO SEPTEMBER 1973

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4,100	10,000	38,100	50,600	48,200	51,500	65,000	83,600	55,000	32,400	6,600	4,600
2	4,000	11,000	38,300	50,600	48,800	51,300	65,100	86,000	54,000	31,700	6,700	4,600
3	3,800	12,000	38,400	50,600	49,200	51,100	65,100	87,900	52,900	31,000	7,220	4,600
4	3,700	13,000	38,500	50,600	49,800	50,900	65,100	88,800	51,900	30,200	8,400	4,600
5	3,600	14,000	38,500	50,500	50,000	50,800	65,100	88,900	50,900	29,800	9,100	4,700
6	3,300	15,100	38,500	50,700	50,200	50,500	65,100	88,900	50,000	29,000	9,100	5,700
7	3,100	16,000	38,500	50,800	50,600	50,400	65,100	88,000	49,100	28,100	8,200	7,620
8	2,900	16,900	38,500	50,900	50,900	50,200	64,500	87,600	48,100	27,600	6,800	9,600
9	2,900	17,700	38,500	50,900	51,100	50,000	64,400	85,000	47,100	26,900	5,100	11,500
10	2,900	18,300	38,500	51,000	51,300	49,900	64,200	83,200	46,700	26,200	5,100	13,000
11	2,700	19,200	38,600	51,200	51,500	50,000	63,200	82,400	46,100	25,900	5,500	14,000
12	2,600	20,200	38,600	51,700	51,700	50,200	62,400	81,200	45,900	25,500	5,500	14,800
13	2,500	21,000	38,700	51,800	51,900	50,500	61,500	80,200	45,400	25,000	5,300	15,100
14	2,300	22,000	38,800	51,800	52,000	50,400	60,700	79,100	44,800	24,800	5,100	15,600
15	2,100	22,900	39,100	51,500	52,000	51,800	60,000	78,000	44,000	24,100	4,800	15,700
16	2,100	23,500	39,900	51,000	52,000	53,100	59,700	76,900	43,100	23,900	4,400	15,700
17	2,000	24,000	40,200	50,000	52,100	54,200	59,700	75,900	42,100	23,500	4,300	14,900
18	1,980	24,800	41,100	49,100	52,100	55,700	59,900	74,600	41,200	23,100	4,400	12,900
19	2,000	25,700	42,200	48,300	52,100	56,900	59,900	73,100	40,300	22,800	4,700	11,300
20	2,100	26,800	43,100	47,800	52,100	58,100	59,800	71,900	39,800	22,100	5,000	9,900
21	2,300	27,900	44,100	47,500	52,100	59,200	60,000	70,200	39,000	21,000	4,800	9,000
22	2,700	29,500	45,000	47,500	52,100	60,100	69,900	68,900	38,400	19,900	3,900	8,000
23	2,900	31,400	46,000	47,500	52,100	60,800	69,800	67,800	37,900	18,100	3,000	7,600
24	3,100	33,000	46,600	47,500	52,000	61,200	60,000	66,000	37,100	16,900	3,430	7,300
25	3,700	34,100	47,300	47,500	51,900	62,000	60,800	64,200	36,600	15,100	4,100	6,600
26	4,000	35,100	48,000	47,600	51,900	62,700	63,000	62,700	36,000	13,000	4,800	5,300
27	4,300	36,100	48,800	47,500	51,800	63,100	68,200	60,600	35,100	11,700	4,800	5,000
28	5,000	36,900	49,100	47,500	51,700	63,900	73,000	59,300	34,700	10,900	4,700	5,050
29	6,000	37,200	49,900	47,700	-----	64,500	75,200	58,100	33,900	9,900	4,300	5,100
30	7,000	37,900	50,200	47,700	-----	64,600	79,200	57,000	33,100	8,700	4,000	5,300
31	8,100	-----	50,600	47,800	-----	64,800	-----	56,000	-----	7,100	4,280	-----
TOTAL	105,780	713,200	1,310,200	1,534,700	1,435,200	1,724,200	1,934,600	2,332,000	1,300,200	685,900	167,430	274,670
MEAN	3,412	23,770	42,260	49,510	51,260	55,620	63,820	75,230	43,340	22,130	5,401	9,156
MAX	8,100	37,900	50,600	51,800	52,100	64,800	79,200	88,900	55,000	32,400	9,100	15,700
MIN	1,980	10,000	38,100	47,500	48,200	49,900	59,700	56,000	33,100	7,100	3,000	4,600
AC-FT	209,800	1,415,000	2,599,000	3,044,000	2,847,000	3,420,000	3,798,000	4,626,000	2,579,000	1,360,000	332,100	544,800
CAL YR 1972	TOTAL	4,535,950	MEAN	12,390	MAX	50,600	MIN	700	AC-FT	8,997,000		
WTR YR 1973	TOTAL	13,518,080	MEAN	37,040	MAX	88,900	MIN	1,980	AC-FT	26,810,000		

225

LOCATION.--Lat 30°58'57", long 91°47'54", in NE¼SW¼ sec. 7, T.1 S., R.7 E., Louisiana meridian, Avoyelles Parish, near right bank on downstream side of Kansas City Southern Railway Co. bridge, 0.4 mi (0.6 km) east of town of Simmesport, 0.5 mi (0.8 km) upstream from State Highway 1, and 4.9 mi (7.9 km) downstream from confluence of Red River and Old River (head of Atchafalaya River).

PERIOD OF RECORD.--October 1972 to September 30, 1973. Gage heights, May 1, 1887, to May 15, 1892, and Dec. 1, 1903, to current year, and discharge (intermittently since 1851) are contained in reports of Corps of Engineers, New Orleans district.

EXTREMES.--1972-73: Maximum discharge, 781,000 ft³/s or 22,100 m³/s (observed) May 2, gage height, 48.70 ft or 14,844 m; minimum discharge, 89,000 ft³/s or 25,200 m (observed) Sept. 28, gage height, 4.60 ft or 1.402 m.
Period of record: Maximum discharge, 661,000 ft³/s or 18,700 m³/s (observed) Apr. 28, 1945, maximum gage height, 53.4 ft or 16.28 m May 16, 1927; minimum discharge, 10,500 ft³/s or 2,970 m³/s June 24, 1964 (gage height, 4.32 ft or -1.317 m).

COOPERATION.--Computations of daily discharge furnished by Corps of Engineers; records reviewed by Geological Survey.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	139,000	157,000	380,000	440,000	399,000	406,000	548,000	722,000	661,000	439,000	202,000	129,000
2	138,000	162,000	379,000	440,000	407,000	404,000	558,000	719,000	674,000	429,000	212,000	126,000
3	139,000	165,000	378,000	440,000	414,000	385,000	571,000	682,000	648,000	420,000	219,000	123,000
4	133,000	170,000	372,000	443,000	416,000	368,000	570,000	685,000	601,000	412,000	222,000	125,000
5	131,000	181,000	369,000	439,000	420,000	351,000	573,000	725,000	625,000	405,000	222,000	128,000
6	126,000	214,000	369,000	441,000	424,000	339,000	580,000	720,000	620,000	397,000	219,000	136,000
7	128,000	242,000	362,000	444,000	423,000	333,000	595,000	709,000	579,000	389,000	214,000	141,000
8	130,000	261,000	355,000	446,000	425,000	332,000	603,000	727,000	607,000	382,000	207,000	143,000
9	135,000	276,000	349,000	452,000	426,000	330,000	609,000	731,000	606,000	375,000	198,000	142,000
10	140,000	289,000	344,000	454,000	427,000	326,000	620,000	740,000	549,000	360,000	187,000	141,000
11	144,000	303,000	344,000	456,000	426,000	331,000	622,000	759,000	562,000	344,000	175,000	141,000
12	147,000	316,000	347,000	459,000	427,000	340,000	634,000	781,000	570,000	328,000	165,000	142,000
13	149,000	329,000	353,000	461,000	429,000	347,000	628,000	727,000	542,000	314,000	162,000	148,000
14	151,000	339,000	358,000	464,000	434,000	357,000	626,000	742,000	552,000	305,000	155,000	156,000
15	152,000	345,000	364,000	464,000	442,000	376,000	679,000	736,000	574,000	297,000	145,000	155,000
16	150,000	337,000	373,000	465,000	439,000	401,000	691,000	763,000	528,000	267,000	138,000	150,000
17	148,000	329,000	381,000	464,000	439,000	414,000	710,000	749,000	530,000	277,000	135,000	145,000
18	148,000	326,000	385,000	466,000	440,000	424,000	730,000	760,000	539,000	274,000	133,000	140,000
19	148,000	325,000	395,000	466,000	434,000	433,000	668,000	739,000	546,000	268,000	134,000	122,000
20	146,000	328,000	401,000	429,000	442,000	441,000	686,000	739,000	550,000	265,000	137,000	121,000
21	142,000	333,000	416,000	412,000	436,000	445,000	674,000	737,000	534,000	251,000	142,000	121,000
22	140,000	342,000	420,000	396,000	433,000	454,000	648,000	727,000	515,000	239,000	146,000	101,000
23	142,000	351,000	419,000	383,000	430,000	462,000	596,000	730,000	503,000	228,000	144,000	109,000
24	138,000	360,000	420,000	376,000	425,000	483,000	688,000	749,000	513,000	216,000	141,000	113,000
25	133,000	367,000	420,000	371,000	421,000	499,000	641,000	727,000	463,000	209,000	142,000	112,000
26	131,000	373,000	420,000	369,000	416,000	513,000	683,000	767,000	492,000	201,000	144,000	1

PART 2. WATER QUALITY RECORDS

02489500 PEARL RIVER NEAR BOGALUSA, LA.

DRAINAGE AREA.--6,630 mi² (17,170 km²), approximately.

EXTREMES. -- 1973-74:

period of record:

Sediment discharge: Maximum daily, 32,700 tons May 7, 1967; minimum daily, 7 tons Nov. 11-13, 1970.

REMARKS.--When discharge is greater than 11,300 cfs, there are five overflow channels. On these days sediment concentrations in the overflow channels are computed at 10 percent of the concentration in the main channel. This is used as a basis for computing total concentration and discharge.

[illegible]

PEARL RIVER BASIN

229

02489500 PEARL RIVER NEAR BOGALUSA, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	ALKA- LITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)
OCT. 30...	23	0	19	7.4	9.6	.1	--	.04	67
NOV. 28...	28	0	23	12	6.5	.2	--	.04	60
DEC. 19...	--	--	--	--	--	--	--	.03	--
JAN. 31...	8	0	7	8.3	3.5	.1	.11	.12	58
FEB. 27...	--	--	--	--	--	--	.22	.15	--
MAR. 13...	--	--	--	--	--	--	.00	.15	--
APR. 11...	17	0	14	5.7	3.6	.1	.15	.17	44
MAY 21...	--	--	--	--	--	--	.00	.17	--
JUNE 26...	--	--	--	--	--	--	.00	.14	--
JULY 24...	12	0	10	4.7	7.8	.2	.33	.05	40
AUG. 15...	16	0	13	--	--	--	.27	.10	--
SEP. 10...	11	0	9	--	--	--	.55	.08	--

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TUNS PER AC-FT)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)
OCT. 30...	55	.09	20	1	52	1.1	91	7.2	19.0
NOV. 28...	55	.08	24	1	31	.5	78	6.1	20.0
DEC. 19...	--	--	--	--	--	--	84	--	10.5
JAN. 31...	30	.08	12	6	22	.2	46	6.2	14.5
FEB. 27...	--	--	--	--	--	--	46	--	13.5
MAR. 13...	--	--	--	--	--	--	54	--	19.5
APR. 11...	31	.06	14	0	42	.6	57	6.8	19.5
MAY 21...	--	--	--	--	--	--	67	--	26.0
JUNE 26...	--	--	--	--	--	--	81	--	26.0
JULY 24...	42	.05	11	1	59	1.1	60	6.1	29.0
AUG. 15...	--	--	--	--	--	--	76	6.8	29.0
SEP. 10...	--	--	--	--	--	--	50	6.6	24.0

02489500 PEARL RIVER NEAR BOGALUSA, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- IDITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 30...	--	12	7.6	.2	2.3	450	--	--	--
NOV. 28...	--	38	8.0	2.3	36	3300	130	120	--
DEC. 19...	--	20	9.8	2.5	--	1400	100	100	--
JAN. 31...	--	45	8.0	1.7	8.1	600	120	240	10
FEB. 27...	--	70	9.0	1.8	--	650	100	100	--
MAR. 13...	--	50	9.0	3.6	--	5900	920	400	--
APR. 11...	--	70	8.4	1.3	4.3	1900	120	20	--
MAY 21...	--	32	6.8	.6	--	1000	100	440	4.4
JUNE 26...	--	50	6.6	2.8	--	1800	60	20	--
JULY 24...	5	18	6.8	1.0	15	680	--	110	--
AUG. 15...	40	20	5.9	2.3	4.1	400	8	--	--
SEP. 10...	50	30	7.3	--	4.4	2400	350	--	--

DATE	ALDRIN (UG/L)	CHLOR- DANE (UG/L)	DDO (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- AZINON (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)
NOV. 28...	--	--	--	--	--	--	--	--	--	--
JAN. 31...	--	--	--	--	--	--	--	--	--	--
APR. 11...	--	--	--	--	--	--	--	--	--	--
MAY 21...	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00
JULY 24...	--	--	--	--	--	--	--	--	--	--

DATE	LINDANE (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	PCB (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIB- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIB- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)
NOV. 28...	--	--	--	--	2	--	10	0	0
JAN. 31...	--	--	--	--	4	5	1	0	0
APR. 11...	--	--	--	--	24	3	0	1	0
MAY 21...	.00	.00	.00	.0	--	--	--	--	--
JULY 24...	--	--	--	--	1	1	0	0	10

DATE	TOTAL COPPER (CU) (UG/L)	DIB- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIB- SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIB- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIB- SOLVED ZINC (ZN) (UG/L)
NOV. 28...	<10	0	<10	10	<100	3	.0	10	10
JAN. 31...	1	1	5	7	10	3	.0	40	0
APR. 11...	2	0	4	5	2	0	.0	40	20
MAY 21...	--	--	--	--	--	--	--	--	--
JULY 24...	3	4	4	4	13	12	.2	0	0

02489500 PEARL RIVER NEAR BOGALUSA, LA.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCTOBER			NOVEMBER			DECEMBER		
	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)
1	3,220	27	235	2,250	28	170	16,100	189	8,220
2	3,420	25	231	2,300	23	143	16,900	188	8,590
3	3,520	26	247	2,260	25	153	16,400	154	6,800
4	3,640	29	285	2,250	39	237	15,500	129	5,410
5	3,270	25	221	3,370	68	619	15,100	119	4,860
6	2,990	21	170	5,480	62	917	15,300	119	4,920
7	2,890	19	148	5,370	66	957	15,300	120	4,970
8	2,880	19	148	5,920	70	1,120	15,200	107	4,390
9	2,940	27	214	5,200	74	1,040	14,900	97	3,900
10	3,000	34	275	4,420	72	859	13,800	99	3,700
11	2,860	e26	201	4,600	67	832	12,600	95	3,240
12	2,700	20	146	5,310	68	975	11,800	88	2,820
13	2,570	18	125	5,150	80	1,110	11,100	86	2,580
14	2,430	17	112	4,830	90	1,170	10,600	85	2,430
15	2,330	14	88	4,590	75	929	9,590	84	2,180
16	2,310	18	112	4,330	42	491	7,970	82	1,760
17	2,460	25	166	3,860	35	365	6,490	74	1,290
18	2,550	16	110	3,360	37	336	5,540	63	942
19	2,540	18	123	2,980	32	257	5,180	71	993
20	2,670	16	115	2,730	29	214	6,020	89	1,450
21	2,830	19	145	2,720	39	286	8,360	106	2,390
22	2,780	16	120	3,340	33	298	10,500	129	3,660
23	2,710	18	132	5,370	103	1,490	12,000	144	4,670
24	2,660	15	108	9,060	214	5,240	12,000	147	4,760
25	2,630	14	99	9,170	155	3,830	14,000	232	8,770
26	2,590	13	91	8,030	130	2,820	39,400	189	20,100
27	2,510	12	81	7,750	129	2,700	50,600	170	23,300
28	2,340	13	82	8,280	108	2,410	49,400	144	19,200
29	2,220	12	72	10,100	192	5,240	48,100	128	16,600
30	2,150	8	46	13,500	217	7,910	45,000	132	16,100
31	2,160	e16	93	-----	-----	-----	43,500	136	16,000
TOTAL	84,770	--	4,541	157,880	--	45,128	574,250	--	210,995
DAY	JANUARY			FEBRUARY			MARCH		
	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)
1	43,300	134	15,700	58,000	70	11,000	42,100	e80	9,040
2	42,700	114	13,200	60,600	75	12,300	41,900	e79	8,890
3	43,100	100	11,700	62,300	74	12,400	41,200	e78	8,700
4	44,000	124	14,800	60,600	69	11,300	39,800	e77	8,310
5	44,400	135	16,200	57,700	62	9,700	38,000	77	7,890
6	44,600	126	15,200	55,400	58	8,740	35,000	82	7,730
7	45,200	115	14,000	55,400	56	8,390	30,100	89	7,200
8	45,700	107	13,200	56,100	54	8,240	21,300	105	6,020
9	45,900	112	13,900	54,700	53	7,900	15,000	119	4,810
10	46,500	126	15,800	52,200	53	7,540	11,000	124	3,680
11	47,000	98	12,500	50,300	57	7,780	9,260	118	2,950
12	47,600	86	11,100	48,500	69	9,060	8,930	110	2,650
13	48,100	88	11,500	47,000	87	11,000	9,540	126	3,250
14	48,300	81	10,600	45,000	99	12,000	11,100	138	4,140
15	47,000	78	9,880	42,900	106	12,300	13,600	109	4,020
16	45,900	76	9,450	40,200	109	11,800	13,400	72	2,610
17	45,200	70	8,550	35,400	113	10,800	11,100	65	1,950
18	44,600	67	8,110	31,300	121	10,200	9,330	65	1,640
19	44,600	67	8,110	31,200	119	10,000	8,450	61	1,390
20	46,300	65	8,080	33,000	79	7,060	8,010	54	1,170
21	47,900	63	8,150	35,400	75	7,160	8,080	52	1,130
22	50,300	61	8,310	37,300	76	7,640	8,520	52	1,200
23	52,400	62	8,790	38,200	38	3,900	8,520	91	2,090
24	54,500	76	11,500	39,200	e32	3,360	8,130	208	4,570
25	56,300	84	12,800	39,600	e46	4,920	8,510	261	6,000
26	56,500	83	12,700	40,400	e61	6,700	9,520	254	6,530
27	55,800	79	11,900	41,200	e74	8,220	18,900	208	10,600
28	57,300	78	12,000	41,600	e79	8,930	30,900	159	13,300
29	58,700	80	12,700	-----	-----	-----	29,500	121	9,670
30	58,700	66	10,400	-----	-----	-----	24,100	118	7,700
31	57,500	63	9,750	-----	-----	-----	19,800	135	7,230
TOTAL	1,515,900	--	360,380	1,290,700	--	250,340	592,600	--	168,060

e Estimated.

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	APRIL			MAY			JUNE		
	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)
1	17,500	143	6,740	40,800	66	7,220	6,570	e38	674
2	16,800	149	6,780	37,300	64	6,490	8,070	e45	980
3	17,600	149	7,070	29,000	69	5,390	9,230	51	1,270
4	19,200	144	7,460	18,500	86	4,280	9,790	48	1,270
5	21,300	139	7,970	14,400	68	2,650	9,880	44	1,170
6	22,900	135	8,330	12,200	59	1,950	9,180	47	1,160
7	22,200	129	7,730	10,400	62	1,740	8,660	46	1,080
8	20,400	112	6,180	9,410	54	1,370	8,060	46	1,000
9	18,700	95	4,820	8,400	59	1,340	8,220	75	1,670
10	17,500	93	4,390	7,930	57	1,220	9,590	85	2,200
11	16,600	114	5,090	8,300	56	1,260	10,100	88	2,400
12	15,800	270	11,500	11,700	53	1,680	10,800	97	2,830
13	19,800	307	16,400	12,200	56	1,850	11,200	94	2,840
14	33,700	220	20,000	10,300	59	1,640	11,000	77	2,290
15	44,400	183	21,900	9,590	47	1,220	10,800	62	1,810
16	66,600	149	26,800	8,480	43	985	10,300	58	1,610
17	94,900	114	29,200	7,120	e42	807	9,740	48	1,260
18	93,900	56	14,200	6,350	e42	720	9,060	32	783
19	80,700	51	11,200	6,150	e39	648	8,070	32	697
20	69,500	55	10,300	6,150	e37	614	7,360	35	696
21	61,800	57	9,480	5,740	e34	527	6,290	31	526
22	57,000	56	8,690	5,830	e35	551	5,320	33	474
23	53,300	61	8,820	8,880	e50	1,200	4,610	28	349
24	51,000	59	8,110	11,600	e89	2,800	4,450	29	348
25	49,600	51	6,850	9,310	e86	2,160	4,350	30	352
26	48,700	46	5,990	7,370	e60	1,190	4,050	32	350
27	48,100	45	5,820	6,530	e43	758	3,790	31	317
28	47,200	51	6,480	5,830	e35	551	3,630	31	304
29	45,900	57	7,080	5,380	e35	508	3,920	31	328
30	44,000	63	7,430	5,200	33	463	4,450	39	469
31	-----	-----	-----	5,190	34	476	-----	-----	-----
TOTAL	1,236,600	--	308,810	351,540	--	56,258	230,540	--	33,507
DAY	JULY			AUGUST			SEPTEMBER		
	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)
1	4,640	38	476	3,510	30	284	3,180	38	326
2	4,460	29	349	3,780	e48	490	3,800	42	431
3	4,190	28	317	3,710	e41	411	6,000	71	1,150
4	4,060	28	307	3,130	e26	220	8,280	74	1,650
5	4,080	28	308	3,000	e22	178	7,850	70	1,480
6	4,380	27	319	3,020	e26	212	6,130	69	1,140
7	4,920	26	345	2,880	e22	171	5,850	70	1,100
8	4,460	e35	421	3,620	e48	469	8,140	65	1,430
9	3,800	e37	380	3,770	e60	611	11,000	51	1,510
10	3,540	e36	344	3,090	e51	425	11,000	52	1,540
11	3,340	e34	307	2,770	e40	299	9,500	56	1,440
12	3,300	31	276	2,680	35	253	8,480	48	1,100
13	3,370	38	346	2,630	49	348	7,220	48	936
14	3,330	e47	423	3,620	52	368	6,040	48	783
15	3,180	41	352	2,590	47	329	5,440	49	720
16	3,160	32	273	2,620	48	340	4,950	54	722
17	3,100	32	268	2,730	45	332	4,470	e59	712
18	2,990	37	299	3,200	49	423	3,970	e61	654
19	2,870	e36	279	4,000	47	508	3,590	e60	582
20	2,810	36	273	4,370	39	460	3,370	e55	500
21	2,860	33	255	4,630	40	500	3,170	e43	368
22	3,000	35	284	4,270	44	507	3,040	e28	230
23	2,990	39	315	3,460	39	364	2,900	18	141
24	3,010	33	268	2,990	33	266	2,780	e16	120
25	3,230	43	375	2,800	32	242	2,670	e17	123
26	3,160	45	384	2,730	29	214	2,650	e17	122
27	3,130	29	245	2,770	31	232	2,670	e17	123
28	3,260	30	264	2,730	33	243	2,800	e31	234
29	3,460	34	318	2,680	39	282	3,640	e40	393
30	3,640	30	295	2,640	39	278	4,030	e34	370
31	3,450	22	205	2,840	43	330	-----	-----	-----
TOTAL	109,170	--	9,870	98,260	--	10,589	158,610	--	22,130

e Estimated.

LOCATION.--Lat 32°53'35", long 93°49'20", in SW¼ sec.16, T.22 N., R.14 W., Caddo-Bossier Parish line, near left bank on downstream side of bridge on State Highway 2, 1.8 mi (2.9 km) downstream from Dry Bayou, and 3.2 mi (5.1 km) east of Hosston.

PERIOD OF RECORD.--Chemical analyses: March 1957 to September 1974.
Water temperatures: March 1957 to September 1973.

Specific conductance: Maximum daily, 1,210 micromhos Aug. 18; minimum daily, 178 micromhos Sept. 20, 22.

Specific conductance: Maximum daily, 1,950 micromhos Aug. 15, 1964; minimum daily, 152 micromhos May 15, 1961, Dec. 26, 1971.
Water temperatures: Maximum, 34°C July 12, 13, 21, 1969; minimum, 1°C Jan. 11, 1962, Jan. 28, 1963, Dec. 24, 1964, Jan. 7, 8, 14, 1968.

DATE	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED ORTHOPHOSPHORUS (P) (MG/L)
OCT.												
04...	--	30	--	--	--	--	--	--	--	--	--	--
10...	--	30	32	6.1	--	--	99	81	61	--	.17	--
17...	--	60	--	--	--	--	107	88	31	--	.02	--
24...	--	70	41	4.2	--	--	102	84	42	--	--	--
NOV.												
07...	2.7	70	21	4.0	12	5.0	76	62	15	.2	.38	--
14...	--	80	32	3.0	--	--	85	70	17	--	.47	--
20...	--	70	30	11	--	--	110	90	35	--	.00	--
27...	--	60	23	8.2	--	--	91	75	22	--	.00	--
DEC.												
06...	5.9	50	34	6.9	41	4.0	89	73	42	.0	--	.27
11...	--	100	24	4.5	--	--	74	61	24	--	--	.29
28...	--	10	26	5.5	--	--	77	63	29	--	.28	.29
JAN.												
03...	--	--	25	5.1	--	--	74	61	23	--	.20	.27
09...	7.4	50	32	6.8	23	3.3	115	94	26	.2	.45	.10
17...	--	100	17	4.0	--	--	57	47	18	--	.16	.02
22...	--	110	27	5.7	--	--	87	71	25	--	--	--
30...	--	20	24	4.5	--	--	78	64	21	--	--	--
FEB.												
06...	6.9	90	28	4.6	13	2.7	91	75	18	.2	--	--
13...	--	210	34	6.5	--	--	116	95	28	--	.13	.00
21...	--	70	41	9.2	--	--	138	113	36	--	.09	.02
MAR.												
01...	6.3	60	24	6.1	24	2.2	80	66	20	.1	.05	.01
06...	7.0	110	44	9.1	36	2.9	129	106	39	.2	--	--
13...	7.2	10	57	13	33	3.8	215	176	32	1.4	.00	.00
20...	--	60	17	3.3	--	--	62	51	16	--	.12	.03
27...	5.6	110	29	6.9	41	2.8	94	77	41	1.4	.12	.00
APR.												
04...	4.7	10	50	13	69	3.7	140	115	70	.3	.01	.01
10...	5.4	60	60	15	60	3.5	191	157	61	.3	.06	.00
17...	--	10	44	9.9	39	2.9	143	117	40	--	.07	.01
MAY												
08...	6.0	0	49	8.1	46	3.2	105	86	52	.3	--	--
15...	--	20	38	8.7	50	3.5	104	85	53	--	--	--
22...	5.9	0	49	15	88	4.1	124	102	--	.2	--	--
30...	--	0	44	12	--	--						

07344400 RED RIVER NEAR HOSSTON, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
OCT.												
04...	.04	--	--	--	--	--	--	--	--	--	--	--
10...	.05	--	--	--	--	--	--	425	110	24	567	--
17...	.05	--	--	--	--	--	--	849	--	--	378	--
24...	--	--	--	--	--	--	--	193	120	36	473	--
NOV.												
07...	.05	--	--	--	--	142	120	533	69	7	224	--
14...	.05	--	--	--	--	--	--	352	92	23	263	7.6
20...	--	--	--	--	--	--	--	176	120	30	409	7.8
27...	--	--	--	--	--	--	--	474	91	17	283	7.7
DEC.												
06...	--	--	--	--	--	--	246	426	110	40	447	7.3
11...	--	--	--	--	--	--	--	329	78	15	285	7.4
28...	--	--	--	--	--	--	--	273	88	24	331	7.5
JAN.												
03...	--	--	--	--	--	--	--	152	83	23	272	7.4
09...	--	--	--	--	--	202	190	98	110	14	342	7.5
17...	--	--	--	--	--	--	--	142	59	12	222	7.3
22...	.00	.13	--	--	--	--	--	147	91	20	297	7.4
30...	.04	.16	--	--	--	--	--	122	78	14	249	7.2
FEB.												
06...	.06	.32	--	--	--	165	133	151	89	14	239	7.4
13...	--	--	--	--	--	--	--	88	110	17	361	7.3
21...	--	--	--	--	--	--	--	76	140	27	454	7.6
MAR.												
01...	.17	.17	.17	.00	.45	177	154	73	85	19	280	7.3
06...	.01	.11	--	--	--	261	259	164	150	42	461	7.7
13...	.18	.08	.09	.00	.46	294	295	--	200	20	529	7.6
20...	--	--	--	--	--	--	--	170	56	5	202	7.3
27...	.14	.12	.12	.00	.11	235	229	--	100	24	408	7.3
APR.												
04...	--	--	--	--	--	416	380	139	180	64	709	7.7
10...	.13	.11	.11	.02	.20	411	388	153	210	55	669	7.6
17...	--	--	--	--	--	--	--	31	150	33	504	7.3
MAY												
08...	--	--	--	--	--	338	290	926	160	70	520	7.7
15...	--	--	--	--	--	--	--	881	130	45	536	7.6
22...	--	--	--	--	--	516	--	115	180	82	739	7.6
30...	--	--	--	--	--	--	--	98	160	51	580	7.4
JUNE												
04...	.25	.14	.14	.00	.17	172	170	167	100	22	307	7.4
13...	--	--	--	--	--	--	--	358	88	24	278	7.6
20...	.21	.17	.17	.00	.86	194	151	206	84	26	278	7.3
26...	--	--	--	--	--	--	--	103	70	12	226	7.4
JULY												
02...	.13	--	--	.03	--	--	--	--	--	--	304	--

RED RIVER BASIN

235

07344400 RED RIVER NEAR HOSSTON, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.											
04...	25.0	--	210	7.2	2.4	--	--	--	--	--	17
10...	26.0	30	100	7.6	4.0	--	--	1200	430	--	--
17...	21.5	60	160	8.4	--	--	--	8600	400	--	--
24...	21.5	60	85	7.1	2.0	--	--	280	200	--	--
NOV.											
07...	14.5	100	180	8.3	3.7	--	--	3500	1200	--	6.0
14...	17.0	90	95	9.6	6.7	--	--	1100	260	--	--
20...	17.0	30	70	7.9	1.8	--	--	2700	1200	--	--
27...	17.5	30	125	7.4	2.2	--	--	1800	1100	--	--
DEC.											
06...	12.5	--	240	8.5	1.7	--	--	2000	660	--	19
11...	9.5	--	200	10.1	3.0	--	--	5000	300	--	--
28...	9.0	--	240	9.9	2.3	--	--	38000	7500	--	--
JAN.											
03...	5.0	50	70	10.6	1.4	--	--	600	220	--	--
09...	7.5	40	35	10.8	8.0	--	--	600	--	--	--
17...	7.0	--	41	9.6	3.5	--	--	3000	2300	--	--
22...	12.0	70	85	9.7	3.1	--	--	2400	1700	--	--
30...	11.5	80	71	--	--	--	--	2400	120	--	--
FEB.											
06...	13.0	90	81	9.2	1.8	--	--	2500	--	--	--
13...	11.0	10	38	10.0	2.7	--	--	300	--	--	--
21...	12.5	40	71	--	--	--	--	800	--	--	--
MAR.											
01...	12.0	--	82	9.2	2.3	--	--	1600	1000	500	--
06...	19.5	5	--	8.8	3.9	--	--	500	320	--	--
13...	19.0	--	96	9.3	5.2	--	--	1900	800	420	--
20...	17.5	--	100	8.7	2.4	--	--	8400	680	--	--
27...	12.5	--	--	8.0	1.4	3.4	9.3	1200	--	610	--
APR.											
04...	18.0	80	65	9.4	3.3	--	--	--	--	--	2.5
10...	17.5	30	80	8.5	2.4	14	14	780	400	110	--
17...	18.0	40	50	8.7	3.7	--	--	800	100	--	--
MAY											
08...	21.5	100	40	8.8	--	--	--	700	--	400	--
15...	24.0	70	91	7.1	1.5	--	--	1600	430	--	--
22...	26.5	50	97	8.5	4.3	--	--	6800	1600	30	--
30...	27.0	20	82	7.8	3.2	--	--	1800	270	--	--
JUNE											
04...	27.0	--	87	7.6	1.8	--	--	--	--	1300	--
13...	25.0	200	150	6.5	3.7	--	--	1200	180	--	--
20...	26.0	70	10	7.3	2.2	--	--	8700	--	110	8.0
26...	26.0	70	140	6.6	3.0	--	--	3200	120	--	--
JULY											
02...	27.0	--	75	6.6	1.6	24	35	140	10	80	10

RED RIVER BASIN

07344400 RED RIVER NEAR HOSSTON, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE- POSIT (UG/KG)	CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM DE- POSIT (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE- POSIT (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE- POSIT (UG/KG)
OCT.											
04...	--	--	--	.00	.0	.0	0	.00	.7	.00	2.3
10...	.00	0	--	.00	--	.0	--	.00	--	.00	--
17...	.00	0	--	.00	--	.0	--	.00	--	.00	--
24...	.00	0	--	.00	--	.0	--	.00	--	.00	--
NOV.											
07...	.00	0	5	.00	.0	.0	0	.00	.0	.00	.0
14...	.00	0	--	.00	--	.0	--	.00	--	.00	--
20...	.00	0	--	.00	--	.0	--	.00	--	.00	--
27...	.00	0	--	.00	--	.0	--	.00	--	.00	--
DEC.											
06...	.00	2	4	.00	.0	.0	0	.00	.7	.00	5.5
11...	.00	3	--	.00	--	--	--	.00	--	.00	--
20...	.00	--	--	.00	.0	.0	--	.00	--	.00	.0
28...	.00	1	--	.00	--	.0	--	.00	--	.00	--
JAN.											
03...	.00	5	--	.00	--	.0	--	.00	--	.00	--
09...	.01	8	15	.00	.0	.0	0	.00	.0	.00	.0
17...	.01	8	--	.00	--	.0	--	.00	--	.00	--
22...	.01	6	--	.00	--	.0	--	.00	--	.00	--
30...	.00	5	--	.00	--	.0	--	.00	--	.01	--
FEB.											
06...	.00	0	0	.00	.0	.0	0	.00	.0	.00	.5
13...	.00	7	--	.00	--	.0	--	.00	--	.00	--
21...	.00	0	--	.00	--	.0	--	.00	--	.00	--
MAR.											
01...	.00	0	4	--	--	--	--	--	--	--	--
06...	.00	11	2	.00	.0	.0	0	.00	.0	.00	.9
13...	.01	3	3	.00	--	.0	--	.00	--	.00	--
20...	.00	4	--	--	--	--	--	--	--	--	--
27...	.00	0	2	.00	--	.0	--	.00	--	.00	.0
APR.											
04...	.00	5	--	.00	.0	.0	3	.00	1.5	.00	--
10...	.00	5	2	.00	--	.0	--	.00	--	.00	--
17...	.00	--	--	.00	--	.0	--	.00	--	.00	--
22...	--	--	--	.00	--	.0	--	.00	--	.02	--
MAY											
01...	.00	--	--	.00	--	.0	--	.00	--	.00	--
08...	.00	--	1	.00	.0	.0	0	.00	.0	.00	.2
15...	.00	--	--	.00	--	.0	--	.00	--	.00	--
22...	.00	--	2	.00	--	.0	--	.00	--	.00	--
30...	.00	1	--	.00	--	.0	--	.00	--	.00	--
JUNE											
04...	.00	--	4	.00	.0	.0	0	.00	.2	.00	1.2
13...	.00	--	--	.00	--	.0	--	.00	--	.00	--
20...	.00	--	2	.00	--	.0	--	.00	--	.00	--
26...	.00	--	--	.00	--	.0	--	.00	--	.00	--

RED RIVER BASIN

237

07344400 RED RIVER NEAR HOSSTON, LA.--Continued

WATER QUALITY DATA* WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	LINDANE (UG/L)	LINDANE IN BOTTOM DE- POSITS (UG/KG)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	PCB (UG/L)	PCB IN BOTTOM DE- POSITS (UG/KG)	TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM DE- POSITS (UG/KG)	2,4-D (UG/L)	2,4,5-T (UG/L)
OCT.											
04...	.00	.0	.00	.00	.00	.0	0	--	--	.00	.02
10...	.00	--	.00	.00	.00	.0	--	--	--	.02	.01
17...	.00	--	.00	.00	.00	.0	--	--	--	.00	.00
24...	.00	--	.00	.00	.00	.0	--	0	--	.00	.01
NOV.											
07...	.00	.0	.00	.00	.00	.0	0	--	--	.03	.00
14...	.00	--	.00	.00	.00	.0	--	--	--	.02	.00
20...	.00	--	.00	.00	.00	.0	--	--	--	.00	.00
27...	.00	--	.00	.00	.00	.0	--	--	--	.00	.00
DEC.											
06...	.00	.0	.00	.00	.00	.0	0	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--
20...	.00	.0	.00	.00	.00	.0	0	--	--	.00	.00
28...	.00	--	.00	.00	.00	.0	--	--	--	.00	.00
JAN.											
03...	.00	--	.00	.00	.00	.0	--	--	--	.02	.00
09...	.00	.0	.00	.00	.00	.0	0	0	--	.00	.00
17...	.00	--	.00	.00	.00	.0	--	0	--	.00	.00
22...	.00	--	.00	.00	.00	.0	--	0	--	.00	.00
30...	.00	--	.00	.00	.00	.0	--	0	--	.00	.00
FEB.											
06...	.00	.0	.00	.00	.00	.0	0	0	--	.00	.00
13...	.00	--	.00	.00	.00	.0	--	0	--	.00	.00
21...	.00	--	.00	.00	.00	.0	--	0	--	.00	.00
MAR.											
01...	--	--	--	--	--	--	--	--	--	.06	.04
06...	.00	.0	.00	.00	.00	.0	0	0	--	.00	.00
13...	.00	--	.00	.00	.00	.0	--	0	--	.00	.00
20...	--	--	--	--	--	--	--	--	--	--	--
27...	.00	--	.00	.00	.00	.0	--	0	--	.00	.00
APR.											
04...	.00	.0	.00	.00	.00	.0	--	0	--	--	--
10...	.00	--	.00	.00	.00	.0	--	0	--	.00	.00
17...	.00	--	.00	.00	.00	.0	--	0	--	.00	.00
22...	.00	--	.00	.00	--	.0	--	0	--	.06	.00
MAY											
01...	.00	--	.00	.00	--	.0	--	0	--	.07	.00
08...	.00	.0	.00	.00	.00	.0	0	0	0	.05	.01
15...	.00	--	.00	.00	.00	.0	--	0	--	.00	.01
22...	.00	--	.00	.00	.00	.0	--	0	--	.01	.00
30...	.00	--	.00	.00	.00	.0	--	0	--	.00	.06
JUNE											
04...	.00	.0	.00	.00	.00	.0	0	0	0	.14	.05
13...	.00	--	.00	.00	.00	.0	--	0	--	.07	.16
20...	.00	--	.00	.00	.00	.0	--	0	--	.00	.00
26...	.00	--	.00	.00	.00	.0	--	0	--	--	--

RED RIVER BASIN

07344400 RED RIVER NEAR HOSSTON, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DDT (UG/L)	DDT IN BOTTOM DE- POSITS (UG/KG)	DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM DE- POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE- POSITS (UG/KG)	ETHION (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM DE- POSITS (UG/KG)	HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM DE- POSITS (UG/KG)
OCT.											
04...	.00	3.3	.00	.0	.00	.0	--	.00	.0	.00	.0
10...	.00	--	.00	--	.00	--	--	.00	--	.00	--
17...	.00	--	.00	--	.00	--	--	.00	--	.00	--
24...	.00	--	.00	--	.00	--	.00	.00	--	.00	--
NOV.											
07...	.00	.0	.00	.0	.00	.0	--	.00	.0	.00	.0
14...	.00	--	.00	--	.00	--	--	.00	--	.00	--
20...	.00	--	.00	--	.00	--	--	.00	--	.00	--
27...	.00	--	.00	--	.00	--	--	.00	--	.00	--
DEC.											
06...	.00	3.5	.00	.0	.00	.0	--	.00	.0	.00	.0
11...	.00	--	.00	--	.00	--	--	.00	--	.00	--
20...	.00	.0	.00	.0	.00	.0	--	.00	.0	.00	.0
28...	.00	--	.00	--	.00	--	--	.00	--	.00	--
JAN.											
03...	.00	--	.00	--	.00	--	--	.00	--	.00	--
09...	.00	.0	.00	.0	.00	.0	--	.00	.0	.00	.0
17...	.00	--	.00	--	.00	--	--	.00	--	.00	--
22...	.00	--	.00	--	.00	--	--	.00	--	.00	--
30...	.00	--	.00	--	.00	--	--	.00	--	.00	--
FEB.											
06...	.00	.0	.00	.0	.00	.0	--	.00	.0	.00	.0
13...	.00	--	.00	--	.00	--	--	.00	--	.00	--
21...	.00	--	.00	--	.00	--	--	.00	--	.00	--
MAR.											
01...	--	--	--	--	--	--	--	--	--	--	--
06...	.00	.0	.00	.0	.00	.0	--	.00	.0	.00	.0
13...	.00	--	.00	--	.00	--	--	.00	--	.00	--
20...	--	--	--	--	--	--	--	--	--	--	--
27...	.00	.0	.00	.0	.00	.0	.00	.00	.0	.00	--
APR.											
04...	.00	--	.00	--	.00	--	--	.00	--	.00	--
10...	.00	--	.00	--	.00	--	.00	.00	--	.00	--
17...	.00	--	.00	--	.00	--	.00	.00	--	.00	--
22...	.00	--	.00	--	.00	--	.00	.00	--	.00	--
MAY											
01...	.00	--	.00	--	.00	--	.00	.00	--	.00	--
08...	.00	.2	.00	.0	.00	.0	.00	.00	.0	.00	.0
15...	.00	--	.00	--	.00	--	.00	.00	--	.00	--
22...	.00	--	.00	--	.00	--	.00	.00	--	.00	--
30...	.00	--	.00	--	.00	--	.00	.00	--	.00	--
JUNE											
04...	.00	.0	.00	.0	.00	.0	--	.00	.0	.00	.0
13...	.00	--	.00	--	.00	--	.00	.00	--	.00	--
20...	.00	--	.00	--	.00	--	.00	.00	--	.00	--
26...	.00	--	.00	--	.00	--	.00	.00	--	.00	--

07344400 RED RIVER NEAR HOSSTON, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	SILVEX (UG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)
OCT.									
04...	.00	--	--	0	--	--	1	0	--
10...	.00	--	--	0	--	--	0	0	--
17...	.00	--	--	0	--	--	0	0	--
24...	.00	--	--	0	--	--	0	0	--
NOV.									
07...	.00	--	--	2	--	--	0	0	--
14...	.00	--	--	1	--	--	0	0	--
20...	.00	--	--	0	--	--	0	0	--
27...	.00	--	--	2	--	--	8	0	--
DEC.									
06...	--	--	--	--	--	--	0	1	--
11...	--	--	--	--	--	--	0	0	--
20...	.00	--	--	6	--	--	1	0	--
28...	.00	--	--	--	--	--	1	0	--
JAN.									
03...	.00	--	--	--	--	--	0	0	--
09...	.00	--	--	2	--	--	2	0	--
17...	.00	--	--	--	--	--	0	0	--
22...	.00	--	--	4	--	--	1	0	--
30...	.00	--	--	1	--	--	1	0	--
FEB.									
06...	.00	--	--	6	--	--	2	0	--
13...	.00	--	--	3	--	--	3	0	--
21...	.00	--	--	0	--	--	4	0	--
MAR.									
01...	.02	3	--	--	5	0	5	--	4
06...	.00	--	--	10	--	--	5	0	--
13...	.00	8	0	10	--	--	2	--	--
20...	--	--	--	12	--	--	1	0	--
27...	.00	9	5	4	2	1	1	--	6
APR.									
04...	--	--	--	0	--	--	0	0	--
10...	.00	--	--	5	0	--	1	0	--
17...	.00	--	--	7	--	--	0	0	--
22...	.02	--	--	7	--	--	8	0	--
MAY									
01...	.01	--	--	--	--	--	1	0	--
08...	.00	6	--	5	1	--	1	2	--
15...	.00	--	--	0	--	--	3	0	--
22...	.00	2	--	0	0	--	3	2	--

DATE	SILVEX (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY											
30...	.00	--	0	--	3	0	--	1	.0	--	7
JUNE											
04...	.02	10	2	3	3	0	4	3	.0	40	10
13...	.00	--	1	--	0	0	--	0	.0	--	7
20...	.00	2	2	3	3	0	2	2	.2	20	20
26...	--	--	3	--	5	1	--	0	.8	--	3

RED RIVER BASIN

07344400 RED RIVER NEAR HOSSTON, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT.										
04...	--	--	2	.1	--	--	--	--	--	0
10...	--	--	0	.0	--	--	--	--	--	20
17...	--	--	0	.0	--	--	--	--	--	30
24...	--	--	0	.0	--	--	--	--	--	30
NOV.										
07...	--	--	0	.0	--	--	--	--	--	30
14...	--	--	2	.2	--	--	--	--	--	10
20...	--	--	1	.0	--	--	--	--	--	10
27...	--	--	1	.0	--	--	--	--	--	10
DEC.										
06...	--	--	5	.0	--	--	--	--	--	60
11...	--	--	1	.0	--	--	--	--	--	--
20...	--	--	1	.0	--	--	--	--	--	20
28...	--	--	2	.0	--	--	--	--	--	30
JAN.										
03...	--	--	1	.0	--	--	--	--	--	20
09...	--	--	12	.1	--	--	--	--	--	20
17...	--	--	0	.0	--	--	--	--	--	6
22...	--	--	1	.0	--	--	--	--	--	0
30...	--	--	3	.3	--	--	--	--	--	0
FEB.										
06...	--	--	0	.0	--	--	--	--	--	0
13...	--	--	15	.3	--	--	--	--	--	10
21...	--	--	1	.1	--	--	--	--	--	20
MAR.										
01...	5	9	11	.2	.0	0	0	70	50	20
06...	--	--	5	.4	--	--	--	--	--	10
13...	4	--	1	.0	--	--	6	--	--	10
20...	--	--	4	.0	--	--	--	--	--	10
27...	5	5	5	.1	--	8	4	260	260	0
APR.										
04...	--	--	2	.1	--	--	--	--	--	0
10...	--	9	1	1.0	--	--	--	30	--	30
17...	--	--	0	.7	--	--	--	--	--	9
22...	--	--	--	.1	--	--	--	--	--	20
MAY										
01...	--	--	0	.0	--	--	--	--	--	40
08...	--	10	10	.5	--	--	--	30	--	10
15...	--	--	0	.4	--	--	--	--	--	3
22...	--	0	1	.8	--	--	--	220	--	10

RED RIVER BASIN

241

07344400 RED RIVER NEAR HOSSTON, LA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
(ONCE-DAILY MEASUREMENT)

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	766	653	278	247	230	438	588	186	586	318	1030	655
2	513	644	420	263	251	434	593	190	663	328	940	541
3	409	403	369	276	247	425	609	213	398	352	843	424
4	421	387	435	273	277	464	717	202	312	366	861	443
5	439	311	431	263	254	483	690	305	300	382	840	381
6	517	252	420	258	233	472	687	369	351	407	850	358
7	570	254	463	337	251	532	527	425	609	420	918	385
8	583	232	361	322	249	522	691	542	544	418	1040	317
9	594	248	303	361	250	527	685	469	396	439	1020	290
10	656	284	278	396	307	513	720	514	302	437	1060	260
11	809	297	293	371	312	510	524	540	276	405	1130	242
12	634	274	299	346	337	489	418	540	307	395	1130	227
13	629	296	296	234	347	511	439	521	272	408	1130	211
14	625	273	301	248	383	260	490	488	266	413	1100	216
15	619	311	342	240	466	271	540	528	257	438	1040	208
16	594	304	401	215	436	292	545	556	266	452	1080	181
17	429	395	440	221	471	234	444	652	280	505	1080	188
18	395	383	457	230	475	234	314	713	291	564	1210	198
19	410	407	494	266	478	243	367	850	283	631	847	197
20	402	414	502	271	476	245	349	882	276	673	447	178
21	395	393	506	307	363	241	325	673	217	748	306	193
22	449	387	515	288	383	260	238	718	199	905	360	178
23	461	395	510	249	381	333	201	838	214	678	527	189
24	489	405	455	187	406	409	184	842	262	609	675	186
25	535	297	403	188	422	451	195	839	236	705	701	238
26	534	299	391	186	435	540	284	790	245	705	708	266
27	599	294	327	185	420	533	255	759	345	706	754	270
28	640	265	322	215	425	550	200	743	404	754	835	222
29	643	252	289	221	---	516	177	649	377	781	910	213
30	644	278	240	242	---	477	200	568	338	955	916	240
31	665	---	237	238	---	557	---	565	---	1030	856	---
AVG.	551	343	380	263	356	418	440	570	336	559	876	277

07344410 RED RIVER ABOVE SHREVEPORT, LA.

LOCATION.--Lat 32°32'57", long 93°45'51", in lot 14, T.18 N., R.14 W., Caddo Parish, near left bank, 2.7 mi (4.3 km) northeast of Shreveport courthouse, 4.9 mi (7.9 km) upstream from mouth of cross bayou, and 5.4 mi (8.7 km) upstream from gaging station at Illinois Central Railroad bridge at Shreveport (sta 07348500).

DRAINAGE AREA.--57,100 mi² (147,890 km²), approximately.

PERIOD OF RECORD.--July to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
JULY												
16...	5.6	30	43	9.5	31	4.2	151	124	31	.1	.13	.01
31...	4.7	10	66	17	92	3.9	173	142	82	.1	.07	.06
AUG.												
15...	3.9	10	71	26	100	4.2	141	116	93	.3	.07	.04
29...	--	--	--	--	--	--	230	189	--	--	.07	.00
SEP.												
11...	5.7	40	22	5.6	20	2.9	73	60	20	.2	.17	.18
25...	6.4	100	20	3.8	11	2.7	64	52	14	.2	.19	.19

DATE	AMMONIA NITRO- GEN (N) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
JULY											
16...	.01	.89	.90	.91	242	243	75	150	23	437	7.4
31...	.27	.55	.83	.89	570	481	14	230	88	885	7.9
AUG.											
15...	.01	.52	.53	.57	726	518	--	280	160	1110	7.7
29...	.06	.71	.77	.77	--	--	--	--	--	783	8.0
SEP.											
11...	.05	.84	.89	1.1	162	140	177	78	18	258	7.4
25...	.04	.71	.75	.94	126	106	209	66	13	185	7.8

DATE	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JULY											
16...	30.0	30	49	7.4	2.9	--	--	750	40	68	8.1
31...	30.0	10	91	9.0	--	--	--	500	--	20	6.9
AUG.											
15...	29.5	50	10	6.3	2.9	.0	.0	2000	40	84	7.6
29...	30.0	10	20	6.8	2.8	.0	.0	20000	1700	200	6.7
SEP.											
11...	24.0	40	80	6.9	2.7	.0	.0	3500	130	530	10
25...	20.5	60	25	7.4	1.8	.0	.0	1300	110	200	12

DATE	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE- POSITS (UG/KG)	CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM DE- POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE- POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE- POSITS (UG/KG)
JULY											
16...	.00	4	1	.00	.0	.0	0	.00	.9	.00	2.4
31...	.00	2	0	.00	--	.0	--	.00	--	.00	--
AUG.											
15...	.00	3	1	.00	--	.0	--	.00	--	.00	--
SEP.											
11...	.00	0	1	.00	--	.0	--	.00	--	.00	--
25...	--	--	0	--	--	--	--	--	--	--	--

RED RIVER BASIN

243

07344410 RED RIVER ABOVE SHREVEPORT, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DDT (UG/L)	DDT IN BOTTOM DE- POSITS (UG/KG)	DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM DE- POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE- POSITS (UG/KG)	ETHION (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM DE- POSITS (UG/KG)	HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM DE- POSITS (UG/KG)
JULY											
16...	.00	.5	.00	.0	.00	.0	.00	.00	.0	.00	.0
31...	.00	--	.00	--	.00	--	.00	.00	--	.00	--
AUG.											
15...	.00	--	.00	--	.00	--	.00	.00	--	.00	--
SEP.											
11...	.00	--	.00	--	<.01	--	.00	.00	--	.00	--
25...	--	--	--	--	--	--	--	--	--	--	--

DATE	LINDANE (UG/L)	LINDANE IN BOTTOM DE- POSITS (UG/KG)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	PCB (UG/L)	PCB IN BOTTOM DE- POSITS (UG/KG)	TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM DE- POSITS (UG/KG)	2,4-D (UG/L)	2,4,5-T (UG/L)
JULY											
16...	.00	.0	.00	.00	.00	.0	0	0	0	.00	.04
31...	.00	--	.00	.00	.00	.0	--	0	--	.00	.20
AUG.											
15...	.00	--	.00	.00	.00	.0	--	0	--	.00	.02
SEP.											
11...	.00	--	.00	.00	.00	.0	--	0	--	.00	.03
25...	--	--	--	--	--	--	--	--	--	--	--

DATE	SILVEX (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
JULY											
16...	.00	4	1	4	9	0	16	3	.2	20	7
31...	.00	3	1	0	0	0	1	0	.1	20	10
AUG.											
15...	.00	--	--	--	--	--	--	--	--	--	--
SEP.											
11...	.00	2	1	3	1	0	2	--	.4	30	8
25...	--	0	2	0	1	0	5	5	.1	30	10

RED RIVER BASIN

07350500 RED RIVER AT COUSHATTA, LA.

LOCATION.--Lat 32°00'45", long 93°21'10", Red River Parish, in lot 23, T.12 N., R.10 W., at bridge on U.S. Highway 84 at Coushatta, 11.0 mi (17.7 km) downstream from Coushatta Bayou, and at mile 242.4 (390.0 km).

DRAINAGE AREA.--63,362 mi² (164,108 km²).

PERIOD OF RECORD.--Chemical analyses: October 1969 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL IRON (FE) (UG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
FEB.								
28...	2400	--	--	--	--	--	--	--
MAR.								
13...	5200	--	--	--	--	--	--	--
27...	4000	--	--	--	--	--	--	--
APR.								
11...	--	37	2.5	129	0	106	35	55
22...	--	--	--	--	--	--	--	--
MAY								
08...	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--
JUNE								
05...	--	--	--	--	--	--	--	--
20...	8700	--	--	--	--	--	--	--
JULY								
02...	--	--	--	--	--	--	--	--
16...	1700	27	3.6	--	--	--	--	--
31...	--	--	--	82	0	67	--	--
AUG.								
14...	370	--	--	217	0	178	--	--
28...	--	--	--	129	0	106	--	--
SEP.								
11...	3600	--	--	67	0	55	--	--
25...	7200	--	--	58	0	48	--	--

DATE	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	PERCENT SODIUM	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)
FEB.									
28...	.33	.34	149	.20	--	246	--	14.0	--
MAR.									
13...	.17	.19	--	--	--	290	--	19.0	--
27...	.11	.20	--	--	--	339	--	13.0	--
APR.									
11...	.28	.18	266	.36	2	449	7.5	18.0	--
22...	.23	.19	194	.26	--	329	--	21.0	--
MAY									
08...	.46	.49	192	.26	--	316	--	22.5	--
22...	.87	.19	470	.64	--	732	--	25.5	--
JUNE									
05...	.17	.17	305	.41	--	534	--	26.0	--
20...	.06	.26	--	--	--	247	--	27.5	--
JULY									
02...	.64	.14	--	--	--	303	--	27.5	--
16...	.77	.12	202	.27	1	381	--	29.5	--
31...	.65	.13	--	--	--	321	7.5	30.0	40
AUG.									
14...	.64	.11	588	.80	--	940	8.1	30.0	50
28...	.72	.11	--	--	--	696	7.7	30.0	5
SEP.									
11...	.85	.18	164	.22	--	278	7.3	24.0	50
25...	.72	.23	128	.17	--	163	7.8	20.5	90

RED RIVER BASIN

245

07350500 RED RIVER AT COUSHATTA, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
FEB. 28...	51	9.6	4.7	--	2000	1000	800	--
MAR. 13...	107	7.5	3.0	--	7600	1200	--	9.0
27...	57	7.7	3.2	--	--	16000	260	7.0
APR. 11...	59	8.7	3.2	6.5	--	2800	150	--
22...	100	8.0	2.7	--	--	3600	5500	--
MAY 08...	368	8.5	4.1	--	--	31000	1400	6.5
22...	75	7.9	4.3	--	--	1800	130	7.8
JUNE 05...	69	7.5	2.0	--	--	8600	2600	6.3
20...	99	7.0	2.2	--	6000	1600	75	9.7
JULY 02...	90	5.8	1.2	--	--	2100	390	11
16...	49	5.9	3.0	--	--	2000	80	15
31...	35	7.8	--	4.1	--	320	24	8.8
AUG. 14...	10	5.4	1.9	2.8	--	120	50	8.4
28...	30	7.4	3.4	4.1	--	1800	1800	7.4
SEP. 11...	90	5.8	1.9	5.4	--	2300	380	9.4
25...	25	5.9	2.7	1.5	--	6400	370	12

DATE	TOTAL ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CU) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)
FEB. 28...	0	0	--	14	--	20
MAR. 13...	10	1	3	0	.1	70
27...	12	0	2	0	.0	80
APR. 22...	--	--	0	--	.1	--
MAY 08...	2	--	2	--	.1	--
22...	0	--	--	--	--	--
JUNE 05...	0	--	0	--	.0	--
20...	2	2	0	11	.0	20
JULY 16...	3	1	0	10	.1	20
AUG. 14...	1	0	10	10	.1	90
SEP. 11...	2	2	<10	4	.1	40
25...	2	1	10	8	.1	20

07352410 KEPLER LAKE NEAR CASTOR, LA.

LOCATION.--Lat 32°18'40", long 93°09'30", in sec.2, T.15 N., R.8 W., Bienville Parish, at dam on Kepler Lake, 5.0 mi (8.0 km) north of Castor.

DRAINAGE AREA.--46.2 mi² (119.7 km²).

PERIOD OF RECORD.--Chemical analyses: February to June 1974.

WATER QUALITY DATA, FEBRUARY TO JUNE 1974

DATE	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CAC03 (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)
FEB.										
12...	4.9	--	2.2	.7	3.2	1.3	6	5	4.1	.0
12...	4.8	--	2.5	.7	3.0	1.3	4	3	3.4	.1
12...	4.9	--	2.0	.7	3.0	1.4	6	5	3.4	.1
MAY										
07...	.5	320	2.3	.8	3.0	1.2	9	7	4.3	.1
07...	.5	300	2.3	.6	3.0	1.2	9	7	4.2	.1
07...	1.6	800	2.9	1.0	3.1	1.4	12	10	4.8	.1
JUNE										
19...	3.6	--	5.7	1.3	3.3	1.9	19	16	6.0	.1
19...	2.8	270	4.0	1.0	3.0	1.5	12	10	3.5	.1
19...	2.6	30	3.0	.9	2.3	1.4	11	9	2.8	.1

DATE	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED ORTHO-PHOSPHORUS (P) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)
FEB.									
12...	--	--	.00	.12	44	24	8	3	40
12...	--	--	.00	.11	35	22	9	6	38
12...	--	--	.00	.12	36	22	8	3	38
MAY									
07...	.06	.00	--	--	28	21	9	2	41
07...	.07	.00	--	--	38	21	8	1	42
07...	.13	.00	--	--	34	28	11	2	46
JUNE									
19...	.36	.03	--	--	48	48	20	4	63
19...	.08	.00	--	--	32	28	14	4	42
19...	.08	.00	--	--	22	24	11	2	40

DATE	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (MG/L)	DIS-SOLVED OXYGEN (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FFCAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
FEB.									
12...	6.4	13.5	50	7	9.4	1.1	--	--	--
12...	6.3	11.5	40	7	8.9	.8	--	--	120
12...	6.7	11.5	40	7	9.8	1.1	--	--	--
MAY									
07...	6.6	26.0	30	7	8.0	.6	80	0	0
07...	6.7	24.0	20	9	7.6	.9	100	0	0
07...	6.4	20.0	50	30	2.1	--	80	0	0
JUNE									
19...	6.3	21.0	--	19	7.0	2.0	1600	0	0
19...	6.7	27.0	40	11	7.0	2.4	2500	0	10
19...	6.6	28.0	30	18	7.0	1.1	2400	0	100

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	HEXAVALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
MAY							
07...	5	12	0	15	28	.1	20
07...	5	12	0	10	25	.1	20
07...	4	13	0	12	24	2.6	30
JUNE							
19...	4	3	0	23	29	.3	100
19...	1	4	0	20	29	.3	50
19...	2	3	0	6	18	.1	20

RED RIVER BASIN

247

07355130 RED RIVER AT BOYCE, LA.

LOCATION.--Lat 31°23'37", long 92°40'04", T.5 N., R.7 W., Grant-Rapides Parish line, near center of span on downstream side of bridge on State Highway 8, 0.2 mi (0.3 km) northwest of Boyce, and at mile 135.0 (217.2 km).

DRAINAGE AREA.--66,998 mi² (173,525 km²), of which 5,936 mi² (15,374 km²) above Denison Dam is noncontributing.

PERIOD OF RECORD.--Chemical analyses: November 1972 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	ALKA- LITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)
OCT.										
04....	7.1	20	--	--	--	1.5	140	115	67	.2
10....	--	30	36	6.9	--	--	105	86	38	--
17....	--	40	32	12	--	--	108	89	51	--
24....	--	60	29	8.0	--	--	90	74	29	--
31....	--	60	31	11	--	--	99	81	50	--
NOV.										
06....	6.4	50	29	6.0	34	6.0	97	80	31	.2
14....	--	70	29	4.8	--	--	79	65	20	--
20....	--	100	31	--	--	--	85	70	20	--
27....	--	60	35	6.4	--	--	106	87	27	--
DEC.										
06....	7.0	180	27	6.0	32	4.3	95	78	29	.1
11....	--	100	22	5.8	--	--	77	63	24	--
21....	--	180	23	5.5	--	--	80	66	30	--
27....	--	100	23	5.6	--	--	75	62	30	--
JAN.										
03....	--	180	16	3.8	--	--	65	53	17	--
09....	5.2	0	15	3.8	15	2.6	60	49	16	.0
17....	--	180	18	4.2	--	--	65	53	17	--
22....	--	780	16	4.2	--	--	53	43	15	--
30....	--	80	14	2.9	--	--	54	44	11	--
FEB.										
06....	7.4	130	18	3.5	15	2.5	57	47	15	.2
12....	--	150	18	3.8	--	--	68	56	15	--
21....	--	80	24	5.4	--	--	110	90	18	--
28....	--	150	16	4.2	--	--	66	54	14	--
MAR.										
06....	7.0	120	25	5.8	25	2.9	79	65	25	.1
13....	--	90	27	7.1	--	--	100	82	22	--
19....	--	60	24	4.9	--	--	90	74	16	--
27....	--	80	24	4.8	--	--	69	57	23	--
APR.										
05....	5.4	100	31	7.8	33	2.8	96	79	35	.2
11....	--	90	41	12	45	2.7	131	107	46	--
17....	--	0	19	5.0	17	2.0	71	58	16	--
22....	--	40	28	7.5	24	2.5	94	77	21	--
MAY										
01....	--	70	20	6.5	14	2.3	73	60	13	--
08....	7.2	20	27	5.1	19	2.4	94	77	22	.2
15....	--	10	35	7.4	40	3.2	95	78	50	--
22....	--	0	41	9.1	54	3.5	106	87	56	--
30....	--	0	44	13	58	4.0	124	102	56	--
JUNE										
05....	5.5	30	38	11	36	3.3	114	94	35	.2
13....	--	40	26	4.5	21	2.5	81	66	21	--
26....	--	50	20	3.7	14	2.5	67	55	15	--
JULY										
16....	3.3	20	37	8.9	29	3.5	125	103	29	.2
31....	--	0	49	12	38	3.1	144	118	47	--
AUG.										
14....	4.9	30	59	15	71	3.5	173	142	51	.3
28....	--	--	--	--	--	--	95	78	--	--
SEP.										
11....	5.2	30	27	6.3	32	2.8	71	58	30	.2
25....	--	140	18	3.6	10	2.3			10	--

RED RIVER BASIN

07355130 RED RIVER AT BOYCE, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED ORTHO. PHOS- PHORUS (P) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	SUS- PENDED SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.										
04...	.01	--	--	--	453	--	251	--	--	763
10...	.03	--	--	--	--	--	472	120	32	423
17...	.34	--	.05	--	--	--	639	130	41	510
24...	.00	--	.05	--	--	--	423	110	32	352
31...	.00	--	.05	--	--	--	270	120	42	511
NOV.										
06...	.35	--	.07	--	234	212	801	97	18	379
14...	.57	.12	--	--	--	--	584	92	27	281
20...	.27	--	.07	--	--	--	253	--	--	291
27...	.12	--	--	--	--	--	298	110	27	363
DEC.										
06...	.14	.03	--	--	237	202	1180	92	14	381
11...	.13	.20	--	--	--	--	570	79	16	301
21...	.16	.14	--	--	--	--	367	80	14	349
27...	.19	.26	--	--	--	--	359	81	19	337
JAN.										
03...	.11	.01	--	--	--	--	414	56	2	216
09...	.13	.06	--	--	156	110	294	56	6	203
17...	.14	.02	--	--	--	--	199	62	9	218
22...	--	--	.00	.17	--	--	235	57	14	193
30...	--	--	.02	.10	--	--	314	47	3	149
FEB.										
06...	--	--	.03	.12	151	110	171	59	13	193
12...	--	--	.01	.15	--	--	171	61	5	196
21...	.07	.01	--	--	--	--	217	82	0	263
28...	.15	.01	--	--	--	--	113	57	3	213
MAR.										
06...	--	.01	.02	.22	180	163	218	86	22	305
13...	.00	.02	--	--	--	--	216	97	15	319
19...	.07	.02	--	--	--	--	266	80	6	248
27...	.17	.02	--	--	--	--	124	78	18	278
APR.										
05...	.04	.02	--	--	232	214	97	110	31	414
11...	.25	.01	--	--	--	--	107	150	44	523
17...	.10	.02	--	--	--	--	308	68	10	224
22...	.03	.00	--	--	--	--	143	100	24	311
MAY										
01...	.11	.03	--	--	--	--	202	77	17	208
08...	.14	.01	--	--	182	156	779	88	11	294
15...	.09	.01	--	--	--	--	459	120	40	466
22...	.20	.03	--	--	--	--	268	140	53	571
30...	.07	.40	--	--	--	--	145	160	62	628
JUNE										
05...	--	--	--	--	240	241	177	140	47	441
13...	.20	.01	--	--	--	--	780	83	17	283
26...	.16	.03	--	--	--	--	269	65	10	212
JULY										
16...	--	--	.18	.20	213	208	146	130	27	390
31...	--	--	.17	.07	--	--	39	170	54	586
AUG.										
14...	--	--	.18	.04	468	--	101	210	67	720
28...	--	--	.14	.02	--	--	--	--	--	358
SEP.										
11...	--	--	.26	.06	210	--	171	93	34	367
25...	--	--	.35	.29	132	--	470	60	30	182

RED RIVER BASIN

249

07355130 RED RIVER AT BOYCE, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.									
04...	--	28.0	20	95	6.1	2.6	--	--	15
10...	--	26.0	50	135	7.5	4.4	8000	3700	--
17...	--	22.0	30	210	7.5	1.3	49000	8000	--
24...	--	21.5	80	150	6.8	1.6	18000	1900	--
31...	--	24.0	20	87	8.0	2.4	--	14000	--
NOV.									
06...	--	18.0	100	160	7.5	2.8	2500	110	4.0
14...	7.7	16.5	--	77	9.4	7.5	11000	2200	--
20...	7.4	18.0	80	120	7.9	1.8	28000	4000	--
27...	7.7	20.0	100	210	7.1	1.5	8000	--	--
DEC.									
06...	7.3	13.5	40	270	8.3	3.6	8900	5500	20
11...	7.5	10.0	100	200	9.4	7.3	16000	800	--
21...	7.4	8.0	100	140	9.4	2.8	60000	5800	--
27...	7.5	10.0	90	170	8.8	2.3	4500	1000	--
JAN.									
03...	7.3	--	100	160	9.5	1.2	12000	4100	--
09...	7.5	10.5	100	50	9.9	2.8	10000	--	--
17...	7.4	10.0	100	43	8.7	3.1	2500	1200	11
22...	7.3	12.0	--	120	8.7	.9	9000	2400	--
30...	7.1	12.0	--	71	8.7	2.3	6000	850	--
FEB.									
06...	7.2	14.0	--	93	8.6	2.1	6200	--	12
12...	7.1	10.5	100	82	9.8	2.7	11000	900	--
21...	7.4	13.5	70	100	--	--	15000	760	--
28...	7.2	13.0	5	92	9.1	1.3	3000	1000	--
MAR.									
06...	7.4	18.5	100	--	8.4	2.8	9900	2400	8.5
13...	7.4	20.5	90	110	7.4	2.2	2300	1400	8.5
19...	7.4	20.0	10	95	8.0	2.6	1500	1300	--
27...	7.1	14.0	10	90	9.4	4.5	19000	1700	--
APR.									
05...	7.6	18.5	--	83	8.7	2.7	--	--	--
11...	7.5	18.5	50	77	8.5	3.9	--	400	--
17...	7.3	19.5	--	90	7.2	3.5	1400	1200	--
22...	7.3	21.0	70	83	7.4	3.1	5000	270	--
MAY									
01...	7.3	22.5	20	190	7.6	3.1	4200	100	--
08...	7.8	23.0	--	440	8.5	4.8	24000	10000	--
15...	7.6	25.0	--	182	7.0	1.8	3700	1300	--
22...	7.5	26.0	--	115	8.4	3.5	7000	800	--
30...	7.4	27.5	20	107	7.4	2.5	14000	1800	--
JUNE									
05...	7.5	27.0	50	91	7.4	--	4400	--	--
13...	7.5	26.0	--	285	5.7	2.1	8400	560	--
26...	7.4	26.5	80	--	6.5	2.7	4400	780	--
JULY									
16...	7.6	29.5	--	85	6.8	1.7	2200	570	8.9
31...	7.7	30.0	20	61	8.8	--	--	200	--
AUG.									
14...	7.4	30.5	30	70	4.8	.8	2100	120	9.3
28...	8.0	30.5	20	40	7.1	1.5	4000	520	--
SEP.									
11...	7.6	24.5	50	85	6.8	1.4	3900	750	4.7
25...	8.0	22.0	--	400	6.5	1.7	13000	1200	--

07355130 RED RIVER AT BOYCE, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

[illegible]

RED RIVER BASIN

251

07355130 RED RIVER AT BOYCE, LA.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DDE IN BOTTOM DE- POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE- POSITS (UG/KG)	DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM DE- POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE- POSITS (UG/KG)	ETHION (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM DE- POSITS (UG/KG)	HEPTA- CHLOR EPOXIDE (UG/L)
OCT.											
04...	.6	.00	.0	.00	.0	.00	.0	--	.00	.0	.00
10...	--	.00	--	.00	--	.00	--	--	.00	--	.00
17...	--	.00	--	.00	--	.00	--	--	.00	--	.00
24...	--	.00	--	.00	--	.00	--	--	.00	--	.00
31...	--	.00	--	.00	--	.00	--	--	.00	--	.00
NOV.											
06...	.3	.00	.0	.00	.0	.00	.0	--	.00	.0	.00
14...	--	.00	--	.00	--	.00	--	--	.00	--	.00
20...	--	.00	--	.00	--	.00	--	--	.00	--	.00
27...	--	.00	--	.00	--	.00	--	--	.00	--	.00
DEC.											
06...	1.7	.00	1.4	.00	.0	.00	.0	--	.00	.0	.00
11...	--	.00	--	.00	--	.00	--	--	.00	--	.00
21...	--	.00	--	.00	--	.00	--	--	.00	--	.00
27...	--	.02	--	.00	--	.00	--	--	.00	--	.00
JAN.											
03...	--	.00	--	.00	--	.00	--	--	.00	--	.00
09...	.0	.00	.0	.00	.0	.00	.0	--	.00	.0	.00
17...	--	.00	--	.00	--	.00	--	--	.00	--	.00
22...	--	--	--	--	--	--	--	--	--	--	--
30...	--	.01	--	.00	--	.00	--	--	.00	--	.00
FEB.											
06...	1.1	.00	1.5	.00	.0	.00	.0	--	.00	.0	.00
12...	--	.00	--	.00	--	.00	--	--	.00	--	.00
21...	--	.00	--	.00	--	.00	--	--	.00	--	.00
28...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
06...	2.4	.00	1.0	.00	.0	.00	.0	--	.00	.0	.00
13...	--	--	--	--	--	--	--	--	--	--	--
19...	--	.00	--	.00	--	.00	--	--	.00	--	.00
27...	--	.00	--	.00	--	.00	--	--	.00	--	.00
APR.											
05...	.0	.00	.0	.00	.0	.00	.0	--	.00	.0	.00
11...	--	.00	--	.00	--	.00	--	--	.00	--	.00
17...	--	.00	--	.00	--	.00	--	--	.00	--	.00
22...	--	.00	--	.00	--	.00	--	--	.00	--	.00
MAY											
01...	--	.00	--	.00	--	.00	--	--	.00	--	.00
08...	--	.00	--	.00	--	.00	--	--	.00	--	.00
15...	1.5	.00	.5	.00	.0	.00	.0	--	.00	.0	.00
22...	--	.00	--	.00	--	.00	--	.00	.00	--	.00
30...	--	.00	--	.00	--	.00	--	.00	.00	--	.00
JUNE											
05...	6.5	.00	.7	.00	.0	.00	.0	.00	.00	.0	.00
13...	--	.00	--	.00	--	.00	--	.00	.00	--	.00
21...	--	.00	--	.00	--	.00	--	.00	.00	--	.00
26...	--	.00	--	.00	--	.00	--	.00	.00	--	.00
JULY											
03...	--	.00	--	.00	--	.00	--	.00	.00	--	.00
16...	.4	.00	.0	.00	.0	.00	.0	.00	.00	.0	.00
31...	--	.00	--	.00	--	.00	--	.00	.00	--	.00
AUG.											
14...	--	.00	--	.00	--	.00	--	.00	.00	--	.00
SEP.											
25...	--	--	--	--	--	--	--	.00	--	--	--

07355130 RED RIVER AT BOYCE, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

[illegible]

07355130 RED RIVER AT BOYCE, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	2+4-D (UG/L)	2+4+5-T (UG/L)	SILVEX (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT.										
04...	.04	.00	.00	2	--	1	0	2	.2	10
10...	.03	.01	.00	1	--	1	0	2	.0	0
17...	.02	.01	.00	0	--	1	0	1	.0	10
24...	.02	.00	.00	0	--	1	0	3	.0	0
31...	.00	.00	.00	0	--	1	0	2	.0	10
NOV.										
06...	.00	.00	.00	0	--	1	0	0	.0	40
14...	.00	.00	.00	--	--	1	0	0	.4	0
20...	.00	.00	.00	--	--	1	0	0	.0	10
27...	.02	.00	.00	3	--	0	0	2	.0	10
DEC.										
06...	.02	.01	.00	4	--	0	0	3	.0	0
11...	.03	.00	.00	5	--	0	0	3	.0	0
21...	.04	.00	.00	2	--	0	0	3	.0	0
27...	.03	.00	.00	4	--	0	0	0	.0	5
JAN.										
03...	.04	.00	.00	4	--	0	0	5	.0	6
09...	.02	.00	.00	3	--	0	0	0	.0	0
17...	.00	.00	.00	10	--	0	0	3	.0	6
22...	.00	.00	.00	0	--	1	0	2	--	30
30...	.00	.00	.00	2	--		0	3	.0	0
FEB.										
06...	.00	.00	.00	2	--	3	0	3	.0	0
12...	.00	.00	.00	7	--	4	0	10	.4	6
21...	.00	.00	.00	8	--	4	0	2	.1	30
28...	--	--	--	9	--	4	0	10	.2	0
MAR.										
06...	.00	.01	.00	0	--	2	0	3	.2	20
13...	.00	.00	.00	2	--	2	0	0	.0	0
19...	.00	.00	.00	9	--	1	0	0	.0	10
27...	.00	.00	.00	3	--	2	0	1	.0	10
APR.										
05...	.00	.00	.00	--	--	0	0	2	.1	10
11...	.00	.00	.00	0	--	1	0	1	.8	30
17...	.04	.02	.00	8	--	0	0	1	1.1	9
22...	.00	.00	.00	4	13	--	0	14	.1	10
MAY										
01...	.06	.00	.01	9	1	--	0	0	.1	20
08...	.03	.00	.01	2	12	--	0	12	.1	20
15...	.00	.00	.00	0	--	3	0	0	.3	3
22...	.02	.01	.01	1	--	3	0	0	.3	7
30...	.00	.08	.00	0	--	3	0	1	.0	10
JUNE										
05...	.05	.01	.00	0	--	2	0	2	.0	20
13...	.00	.09	.00	0	--	0	0	0	.3	30
21...	.00	.07	.00	--	--	--	--	--	--	--
26...	.00	.08	.00	1	--	5	0	0	.3	0
JULY										
03...	.00	.00	.00	--	--	--	--	--	--	--
16...	.00	.03	.00	1	--	9	0	8	.2	30
31...	.00	.20	.00	1	--	0	0	0	.1	9
AUG.										
14...	.00	.02	.00	1	--	1	0	--	.2	30
SEP.										
25...	--	--	--	1	--	2	0	8	--	10

LOCATION.--Lat 31°18'46", long 92°26'34", in SE¼ sec.10, T.4 N., R.1 W., Rapides Parish, at gaging station near center of span on downstream side of old bridge on U.S. Highway 165 between Alexandria and Pineville, and 1.7 mi (2.7 km) downstream from Bayou Rigolette.

DRAINAGE AREA.--67,500 mi² (174,825 km²), of which 5,936 mi² (15,374 km²) above Denison Dam is noncontributing.

PERIOD OF RECORD.--Chemical analyses: January 1973 to September 1974.
Water temperatures: May 1973 to May 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	RECARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)
OCT. 19...	3.6	30	20000	910	890	20	34	10	50	4.4	85	70
NOV. 07...	2.6	--	--	--	--	--	31	7.0	29	4.0	98	80
DEC. 11...	5.8	--	--	--	--	--	21	6.0	28	4.4	79	65
JAN. 23...	7.8	--	--	--	--	20	16	3.8	13	2.7	54	44
MAR. 20...	5.7	--	--	--	--	--	23	5.3	16	2.2	86	71
MAY 09...	7.3	0	26000	730	710	20	30	5.6	20	2.4	96	79
30...	5.4	--	--	--	--	--	49	13	62	3.9	129	106
JUNE 03...	5.2	--	--	--	--	--	40	10	50	3.5	123	101
JULY 16...	3.4	30	2400	120	120	0	41	8.7	30	3.5	130	107
AUG. 28...	--	--	--	--	--	--	--	--	--	--	101	83
SEP. 25...	7.1	--	--	--	--	--	19	4.1	11	2.4	68	56

[illegible]

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

[illegible]

RED RIVER BASIN

07355500 RED RIVER AT ALEXANDRIA, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL COBALT (CO) (UG/L)	SUS- PENDE D COBALT (CO) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDE D MERCURY (HG) (UG/L)
OCT. 18...	<10	--	0	30	--	7	<100	--	0	.0	--
NOV. 07...	--	--	--	--	--	--	--	--	--	--	--
DEC. 11...	--	--	--	--	--	--	--	--	--	--	--
JAN. 23...	--	--	3	--	--	8	--	--	--	.0	.0
MAR. 20...	--	--	--	--	--	--	--	--	--	--	--
MAY 09...	--	--	2	27	21	6	26	16	10	.1	.0
30...	--	--	--	--	--	--	--	--	--	--	--
JUNE 03...	--	--	--	--	--	--	--	--	--	--	--
JULY 16...	11	10	1	6	2	4	16	8	8	.3	.1
AUG. 28...	--	--	--	--	--	--	--	--	--	--	--
SEP. 25...	--	--	--	--	--	--	--	--	--	--	--

DATE	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDE D ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT. 18...	.0	2	--	5	430	--	20
JAN. 23...	.0	--	--	10	--	--	5
MAY 09...	.1	5	2	3	210	190	20
JULY 16...	.2	5	1	4	50	40	7

07355500 RED RIVER AT ALEXANDRIA, LA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), OCTOBER 1973 TO MAY 1974

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	424	411	419	---	---	---	---	---	---
2	---	---	---	436	423	428	---	---	---	---	---	---
3	491	434	452	430	418	422	---	---	---	---	---	---
4	598	455	513	535	421	481	---	---	---	---	---	---
5	662	589	624	550	380	465	---	---	---	---	---	---
6	602	308	429	380	266	355	---	---	---	---	---	---
7	311	298	305	266	245	258	---	---	---	---	---	---
8	341	299	327	245	185	209	---	---	---	---	---	---
9	360	342	351	185	174	177	---	---	---	---	---	---
10	423	360	385	174	168	170	---	---	---	---	---	---
11	486	424	462	172	167	170	---	---	---	---	---	---
12	520	489	509	176	170	174	---	---	---	---	---	---
13	522	516	519	193	176	185	---	---	---	---	---	---
14	516	497	506	202	191	197	---	---	---	---	---	---
15	558	499	529	212	202	208	---	---	---	---	---	---
16	558	459	524	207	203	200	---	---	---	---	---	---
17	459	403	419	---	---	---	---	---	---	---	---	---
18	452	404	426	---	---	---	---	---	---	---	---	---
19	455	303	394	---	---	---	---	---	---	---	---	---
20	303	259	276	---	---	---	---	---	---	---	---	---
21	261	249	254	---	---	---	---	---	---	---	---	---
22	252	244	249	---	---	---	---	---	---	---	---	---
23	258	249	254	---	---	---	---	---	---	---	---	---
24	296	260	278	---	---	---	---	---	---	---	---	---
25	321	296	311	---	---	---	---	---	---	---	---	---
26	338	322	331	---	---	---	---	---	---	---	---	---
27	354	342	347	---	---	---	---	---	---	---	---	---
28	362	355	358	---	---	---	---	---	---	---	---	---
29	365	358	362	---	---	---	---	---	---	---	---	---
30	391	365	377	---	---	---	---	---	---	---	---	---
31	411	393	402	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	419	348	379	257	245	251
2	---	---	---	---	---	---	402	379	390	245	236	240
3	---	---	---	---	---	---	393	383	390	244	236	240
4	---	---	---	---	---	---	383	376	380	246	235	239
5	---	---	---	---	---	---	418	383	396	240	234	236
6	---	---	---	---	---	---	419	414	416	241	235	239
7	---	---	---	---	---	---	420	414	418	314	241	261
8	---	---	---	---	---	---	421	417	419	321	308	313
9	---	---	---	---	---	---	438	417	428	326	309	316
10	---	---	---	---	---	---	468	438	455	430	326	386
11	---	---	---	---	---	---	476	468	470	433	417	429
12	---	---	---	---	---	---	473	325	429	417	409	413
13	---	---	---	---	---	---	325	277	301	430	417	423
14	---	---	---	---	---	---	313	284	297	442	429	438
15	---	---	---	---	---	---	318	313	315	444	440	442
16	---	---	---	---	---	---	313	282	297	442	434	439
17	---	---	---	---	---	---	282	265	273	434	426	430
18	---	---	---	---	---	---	273	265	269	429	423	425
19	---	---	---	---	---	---	282	272	277	448	430	433
20	---	---	---	---	---	---	313	282	297	458	448	456
21	---	---	---	---	---	---	336	313	324	520	460	477
22	---	---	---	---	---	---	344	331	338	596	520	560
23	---	---	---	---	---	---	331	295	315	---	---	---
24	---	---	---	---	---	---	313	295	301	---	---	---
25	---	---	---	---	---	---	317	295	307	---	---	---
26	---	---	---	---	---	---	295	247	263	---	---	---
27	---	---	---	---	---	---	257	245	251	---	---	---
28	---	---	---	---	---	---	259	249	254	---	---	---
29	---	---	---	327	307	315	275	252	267	---	---	---
30	---	---	---	327	319	324	276	240	265	---	---	---
31	---	---	---	348	328	339	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	476	240	339	---	---	---

RED RIVER BASIN

07355500 RED RIVER AT ALEXANDRIA, LA.--Continued

TEMPERATURE (DEG. C) OF WATER, OCTOBER 1973 TO MAY 1974

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	22.0	21.5	21.5	---	---	---	---	---	---
2	---	---	---	21.5	21.5	21.5	---	---	---	---	---	---
3	30.0	29.5	29.5	21.5	21.0	21.0	---	---	---	---	---	---
4	30.0	29.5	29.5	22.0	21.0	21.5	---	---	---	---	---	---
5	30.0	29.5	30.0	22.0	21.0	21.5	---	---	---	---	---	---
6	29.5	28.0	28.5	21.0	20.0	20.5	---	---	---	---	---	---
7	28.0	27.5	27.5	20.0	18.0	19.0	---	---	---	---	---	---
8	27.5	27.5	27.5	18.0	17.5	18.0	---	---	---	---	---	---
9	28.0	27.5	27.5	17.5	17.0	17.0	---	---	---	---	---	---
10	28.0	27.5	28.0	17.0	16.0	16.5	---	---	---	---	---	---
11	28.5	28.0	28.0	16.0	15.5	15.5	---	---	---	---	---	---
12	28.0	28.0	28.0	15.5	15.0	15.5	---	---	---	---	---	---
13	28.0	27.5	28.0	15.5	15.0	15.5	---	---	---	---	---	---
14	27.5	27.0	27.5	16.5	15.5	16.0	---	---	---	---	---	---
15	27.0	27.0	27.0	17.0	16.5	16.5	---	---	---	---	---	---
16	27.0	26.0	26.5	17.0	17.0	17.0	---	---	---	---	---	---
17	26.0	24.5	25.0	---	---	---	---	---	---	---	---	---
18	24.5	24.5	24.5	---	---	---	---	---	---	---	---	---
19	24.5	23.0	24.0	---	---	---	---	---	---	---	---	---
20	23.0	22.5	23.0	---	---	---	---	---	---	---	---	---
21	22.5	22.0	22.5	---	---	---	---	---	---	---	---	---
22	23.0	22.0	22.5	---	---	---	---	---	---	---	---	---
23	23.0	22.0	22.5	---	---	---	---	---	---	---	---	---
24	23.5	22.5	23.0	---	---	---	---	---	---	---	---	---
25	24.0	23.0	23.5	---	---	---	---	---	---	---	---	---
26	24.0	23.5	24.0	---	---	---	---	---	---	---	---	---
27	24.5	24.0	24.0	---	---	---	---	---	---	---	---	---
28	24.5	24.0	24.5	---	---	---	---	---	---	---	---	---
29	24.0	23.5	23.5	---	---	---	---	---	---	---	---	---
30	23.5	22.5	23.0	---	---	---	---	---	---	---	---	---
31	23.0	22.0	22.5	---	---	---	---	---	---	---	---	---
MONTH	30.0	22.0	25.5	---	---	---	---	---	---	---	---	---
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	18.5	17.0	18.0	21.5	21.0	21.0
2	---	---	---	---	---	---	19.5	18.0	18.5	22.0	20.5	21.0
3	---	---	---	---	---	---	20.5	18.5	19.5	22.0	21.0	21.5
4	---	---	---	---	---	---	20.5	19.5	20.0	22.5	21.5	22.0
5	---	---	---	---	---	---	19.5	18.5	19.0	22.0	21.5	22.0
6	---	---	---	---	---	---	19.5	18.0	18.5	22.0	21.0	21.5
7	---	---	---	---	---	---	18.0	17.5	18.0	21.5	21.0	21.0
8	---	---	---	---	---	---	18.5	17.5	18.0	22.0	21.5	22.0
9	---	---	---	---	---	---	19.0	17.5	18.5	22.0	21.5	22.0
10	---	---	---	---	---	---	19.5	18.0	18.5	22.5	22.0	22.0
11	---	---	---	---	---	---	19.5	18.5	19.0	23.0	22.5	22.5
12	---	---	---	---	---	---	19.0	17.5	18.5	24.0	22.5	22.5
13	---	---	---	---	---	---	17.5	17.0	17.0	24.0	22.5	23.0
14	---	---	---	---	---	---	19.0	17.5	18.5	24.0	23.5	24.0
15	---	---	---	---	---	---	19.5	19.0	19.5	24.5	23.5	24.0
16	---	---	---	---	---	---	19.5	18.5	19.0	24.5	24.0	24.5
17	---	---	---	---	---	---	19.0	18.0	18.5	25.0	24.5	24.5
18	---	---	---	---	---	---	19.0	18.0	18.5	25.0	24.5	25.0
19	---	---	---	---	---	---	19.5	18.5	19.0	26.0	25.0	25.5
20	---	---	---	---	---	---	20.0	19.0	19.5	26.0	25.5	26.0
21	---	---	---	---	---	---	20.5	19.5	20.0	26.0	25.5	25.5
22	---	---	---	---	---	---	20.5	20.5	20.5	26.5	25.5	26.0
23	---	---	---	---	---	---	20.5	19.5	20.0	---	---	---
24	---	---	---	---	---	---	20.0	19.5	19.5	---	---	---
25	---	---	---	---	---	---	20.0	19.5	20.0	---	---	---
26	---	---	---	---	---	---	20.0	19.5	19.5	---	---	---
27	---	---	---	---	---	---	20.0	19.5	19.5	---	---	---
28	---	---	---	---	---	---	20.5	19.5	20.0	---	---	---
29	---	---	---	15.0	14.0	14.5	21.0	20.0	20.0	---	---	---
30	---	---	---	16.0	14.5	15.5	21.0	20.5	21.0	---	---	---
31	---	---	---	17.0	15.5	16.5	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	21.0	17.0	19.0	---	---	---

RED RIVER BASIN

259

07355600 RED RIVER AT MONCLA, LA.

LOCATION.--Lat 31°12'10", long 92°08'30", T.3 N., R.3 E., Avoyelles Parish, near center of span on downstream side of bridge on State Highway 115, 1.4 mi (2.3 km) west of Moncla, and at mile 74.0 (119.1 km).

DRAINAGE AREA.--67,625 mi² (175,149 km²), of which 5,936 mi² (15,374 km²) above Denison Dam is noncontributing.

PERIOD OF RECORD.--Chemical analyses: November 1972 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)
OCT.										
03...	5.5	60	38	8.2	42	5.3	114	94	38	.4
10...	--	40	42	7.7	--	--	104	85	44	--
18...	--	30	26	8.2	--	--	110	90	50	--
24...	--	50	32	6.1	--	--	90	74	24	--
31...	--	50	40	7.1	--	--	93	76	41	--
NOV.										
07...	8.3	40	35	9.2	31	3.8	98	80	31	.2
14...	--	60	35	--	--	--	76	62	20	--
21...	--	140	--	--	--	--	92	75	22	--
29...	--	50	28	8.2	--	--	105	86	28	--
DEC.										
07...	6.9	50	--	--	30	3.4	97	80	34	.1
13...	--	0	22	4.2	--	--	78	64	20	--
20...	--	150	24	4.8	--	--	78	64	24	--
27...	--	100	26	6.0	--	--	78	64	32	--
JAN.										
03...	--	100	19	4.0	--	--	68	56	17	--
09...	7.4	0	18	3.9	16	2.7	60	49	17	.0
17...	--	180	21	5.0	--	--	73	60	23	--
23...	--	80	16	3.4	--	--	53	44	15	--
30...	--	40	16	3.2	--	--	54	44	11	--
FEB.										
07...	7.4	180	18	3.5	12	2.3	57	47	14	.2
15...	--	140	21	4.2	--	--	72	60	15	--
22...	--	110	15	4.4	--	--	68	56	15	--
28...	--	100	14	3.8	--	--	68	56	15	--
MAR.										
07...	6.0	70	27	6.1	27	3.0	86	70	27	--
14...	--	90	--	--	--	--	103	84	22	--
19...	--	90	24	5.8	--	--	94	76	17	--
28...	--	90	22	6.9	--	--	68	56	22	--
APR.										
04...	6.2	50	28	6.9	35	2.7	85	70	35	--
09...	--	30	34	8.8	38	--	108	89	37	--
17...	--	10	21	5.3	20	2.1	71	58	21	--
22...	--	10	24	7.7	21	2.5	85	70	20	--
MAY										
02...	--	60	20	3.8	15	2.2	68	56	11	--
09...	6.7	0	28	5.2	20	2.3	93	76	22	.2
15...	--	0	36	7.3	45	3.3	102	84	50	--
23...	--	10	40	10	50	3.5	98	80	54	--
30...	--	0	49	13	65	3.6	127	104	60	--
JUNE										
03...	11	10	47	13	51	3.4	127	104	53	.3
07...	--	20	20	3.7	14	2.3	70	57	15	--
13...	--	20	22	5.0	22	2.5	87	71	24	--
19...	--	30	25	4.6	17	2.5	75	62	17	--
JULY										
18...	--	80	--	--	--	--	--	--	28	.4
31...	--	10	58	14	65	3.6	179	147	57	--
AUG.										
15...	4.0	20	58	16	74	3.4	176	144	54	.3
28...	--	--	--	--	--	--	124	102	--	--
SEP.										
12...	5.5	20	25	6.1	29	2.6	72	59	27	.2
25...	--	70	20	6.0	12	2.3	69	57	13	--

RED RIVER BASIN

07355600 RED RIVER AT MONCLA, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED ORTHO. PHOS- PHORUS (P) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	SUS- PENDE D SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.										
03...	.00	--	.07	--	278	260	142	130	35	480
10...	.00	--	.07	--	--	--	506	140	51	481
18...	.00	--	.05	--	--	--	478	99	8	556
24...	.35	--	.08	--	--	--	536	110	31	316
31...	.27	--	.06	--	--	--	256	130	53	453
NOV.										
07...	.39	--	.07	--	223	220	856	130	45	373
14...	.35	.10	--	--	--	--	433	--	--	266
21...	.06	.09	.09	--	--	--	831	--	--	300
29...	.19	.05	--	--	--	--	753	100	18	359
DEC.										
07...	.21	.26	--	--	235	--	--	--	--	373
13...	.15	.29	--	--	--	--	588	72	14	273
20...	.27	.29	--	--	--	--	600	80	16	305
27...	.34	.30	--	--	--	--	332	90	26	359
JAN.										
03...	.35	.31	--	--	--	--	447	64	8	226
09...	.13	.08	--	--	--	117	243	61	12	206
17...	.16	.01	--	--	--	--	144	73	13	271
23...	--	--	.00	.21	--	--	271	54	10	193
30...	--	--	.02	.11	--	--	296	53	9	159
FEB.										
07...	--	--	.04	.15	149	105	228	59	13	188
15...	.15	.01	--	--	--	--	117	70	11	224
22...	.14	.03	--	--	--	--	--	--	--	--
28...	.20	.02	--	--	--	--	197	100	56	218
MAR.										
07...	--	--	.01	.12	183	176	544	93	22	329
14...	.07	.02	--	--	--	--	190	98	14	314
19...	.09	.02	--	--	--	--	185	84	7	267
28...	.15	.01	--	--	--	--	128	74	18	270
APR.										
04...	.05	.04	--	--	224	207	95	98	29	393
09...	.06	.01	--	--	--	--	154	120	31	441
17...	.08	.01	--	--	--	--	216	74	16	255
22...	.18	.01	--	--	--	--	82	92	22	274
MAY										
02...	.11	.03	--	--	--	--	410	66	10	206
09...	.09	.02	--	--	202	157	1280	91	15	294
15...	.11	.02	--	--	--	--	436	120	36	467
23...	.25	.06	--	--	--	--	238	140	61	515
30...	.04	.03	--	--	--	--	123	180	72	650
JUNE										
03...	.08	.01	--	--	325	320	203	170	67	578
07...	--	--	--	--	--	--	276	65	8	217
13...	.18	.01	--	--	--	--	764	76	4	308
19...	.25	.03	--	--	--	--	824	81	20	241
JULY										
18...	--	--	--	--	--	--	90	--	--	--
31...	--	--	.14	.08	--	--	2	200	53	697
AUG.										
15...	--	--	.15	.01	440	387	14	210	66	702
28...	--	--	.13	.02	--	--	--	--	--	511
SEP.										
12...	--	--	.27	.06	190	175	323	90	31	328
25...	--	--	.44	.29	--	--	480	75	75	197

RED RIVER BASIN

261

07355600 RED RIVER AT MONCLA, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.									
03...	7.7	27.0	20	70	7.3	2.1	--	--	17
10...	7.5	26.5	80	80	7.3	4.8	15000	2400	--
18...	--	21.5	30	240	7.7	--	--	--	--
24...	7.8	21.5	100	170	7.2	1.7	23000	6400	--
31...	--	25.0	10	100	8.0	2.6	24000	2400	--
NOV.									
07...	7.9	17.5	--	270	7.6	1.6	10000	2400	5.0
14...	7.6	17.0	--	112	10.0	4.0	20000	3000	--
21...	7.5	18.0	60	73	7.6	1.1	--	--	--
29...	7.5	16.5	30	220	7.3	2.2	9600	4400	--
DEC.									
07...	7.5	13.0	40	320	8.0	2.0	6400	2000	--
13...	7.3	10.5	20	320	9.3	7.1	22000	--	--
20...	7.5	9.0	80	280	10.0	4.0	35000	1600	--
27...	7.4	10.0	100	240	9.1	--	6000	800	--
JAN.									
03...	7.3	8.0	--	160	9.5	1.2	18000	2500	--
09...	7.4	10.0	--	48	10.1	8.0	8600	--	--
17...	7.3	8.0	--	40	9.0	4.3	3000	2900	10
23...	7.4	12.5	--	110	9.2	2.0	11000	2100	--
30...	7.1	12.0	--	76	8.8	3.3	5500	1200	--
FEB.									
07...	7.3	13.0	--	90	8.4	1.4	11000	300	15
15...	7.2	12.5	20	92	9.2	--	12000	--	--
22...	--	12.5	70	90	--	--	--	--	--
28...	7.2	13.0	20	76	9.2	1.6	5000	3300	--
MAR.									
07...	7.2	19.5	--	83	8.1	3.1	--	3800	7.5
14...	7.4	19.0	100	96	9.3	1.9	9000	2500	--
19...	7.4	20.0	--	112	8.1	2.2	2000	1400	--
28...	7.2	15.0	30	90	9.1	2.6	7200	1100	--
APR.									
04...	7.6	19.5	--	80	8.7	1.9	2400	220	--
09...	7.5	18.0	70	93	8.8	4.0	7000	1200	--
17...	7.2	20.0	100	89	7.4	2.8	5600	3800	--
22...	7.4	21.5	70	76	7.2	5.8	4800	450	--
MAY									
02...	7.8	23.0	--	194	7.5	3.0	--	3000	--
09...	7.6	22.5	--	440	8.7	3.8	9000	6600	12
15...	7.7	25.0	--	261	7.2	2.6	3200	3000	--
23...	7.5	26.0	300	120	7.0	2.0	24000	1700	--
30...	7.5	28.0	20	82	8.1	2.3	18000	1300	--
JUNE									
03...	7.4	27.0	--	82	7.6	3.2	6000	1600	--
07...	7.4	26.5	100	50	6.3	3.5	8400	600	--
13...	7.6	26.5	200	345	5.6	1.3	10000	780	--
19...	7.6	27.0	300	300	6.3	2.1	10000	1900	--
JULY									
18...	--	30.5	--	69	--	2.8	1500	280	9.1
31...	7.5	31.0	10	35	7.8	--	--	400	6.2
AUG.									
15...	7.7	29.0	20	40	7.9	4.6	1100	140	4.6
28...	8.0	31.0	20	30	7.4	1.7	4000	2000	--
SEP.									
12...	7.7	25.0	50	105	6.5	1.6	19000	1800	13
25...	7.9	22.5	400	360	6.3	2.0	22000	12000	--

[illegible]

07355600 RED RIVER AT MONCLA, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

[illegible]

[illegible]

RED RIVER BASIN

265

07355600 RED RIVER AT MONCLA, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	2,4,5-T (UG/L)	2,4,5-T IN BOTTOM DE- POSITS (UG/KG)	SILVEX (UG/L)	SILVEX IN BOTTOM DE- POSITS (UG/KG)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT.										
03...	.00	--	.00	--	0	1	0	1	.0	10
10...	.01	--	.00	--	2	0	0	1	.0	10
18...	.00	--	.00	--	0	0	0	2	.0	10
24...	.01	--	.00	--	0	1	0	2	.0	10
31...	.00	--	.00	--	0	0	0	0	.0	10
NOV.										
07...	.00	--	.00	--	2	0	0	3	.0	30
14...	.00	--	.00	--	2	0	0	0	.2	0
21...	.00	--	.00	--	4	0	0	1	.0	10
29...	.00	--	.00	--	3	0	0	0	.0	10
DEC.										
07...	.01	--	.00	--	10	2	0	4	.0	20
13...	.00	--	.00	--	--	1	0	--	.1	20
20...	--	--	--	--	10	1	--	8	.0	20
27...	.00	--	.00	--	--	0	0	8	.4	10
JAN.										
03...	.00	--	.00	--	--	0	0	6	--	20
09...	.00	--	.00	--	7	0	0	0	.8	6
17...	.00	--	.00	--	6	0	1	3	.0	20
23...	.00	--	.00	--	1	1	0	1	.3	20
30...	--	--	--	--	0	1	0	4	.0	20
FEB.										
07...	.00	--	.00	--	6	15	0	2	.0	0
15...	.00	--	.00	--	1	4	0	8	.4	4
22...	.01	--	.00	--	0	3	0	1	.1	30
28...	.01	--	.00	--	5	4	0	9	.1	0
MAR.										
07...	--	0	--	0	2	3	0	4	.4	0
14...	.00	--	.00	--	0	0	0	2	.1	20
19...	.00	--	.00	--	10	1	0	0	.0	30
28...	.01	--	.00	--	9	1	0	3	.0	10
APR.										
04...	.00	--	.00	--	0	1	0	2	.0	0
09...	.00	--	.00	--	0	1	0	1	.2	20
17...	.04	--	.04	--	0	0	0	0	.1	9
22...	.00	--	.02	--	0	13	0	12	.1	20
MAY										
02...	.00	--	.01	--	6	1	0	0	.1	90
09...	.01	--	.00	--	5	12	0	14	.2	10
15...	.01	--	.00	--	5	3	0	0	.4	7

DATE	TOX- APHENE IN BOTTOM DE- POSITS (UG/KG)	2,4,5-T (UG/L)	SILVEX (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY									
23...	0	.02	.00	0	3	0	0	.1	7
30...	--	--	--	0	3	0	2	--	7
JUNE									
03...	0	.06	.00	0	2	0	2	.0	10
07...	--	--	--	2	5	0	0	.2	3
13...	--	.04	.00	0	0	0	0	.0	10
19...	--	.00	.00	3	2	0	3	.3	20
JULY									
03...	--	.04	.00	--	--	--	--	--	--
18...	0	.03	.00	0	6	0	3	.3	20
31...	--	--	--	1	0	0	1	.2	30
AUG.									
15...	--	.02	.00	1	0	0	10	.2	20
SEP.									
12...	--	.00	.00	1	3	0	0	.1	8
25...	--	--	--	2	1	0	8	--	0

RED RIVER BASIN

07367000 OUACHITA RIVER AT MONROE, LA.

LOCATION.--Lat 32°30'19", long 92°07'32", in lot 50, T.18 N., R.3 E., Ouachita Parish, at gaging station at bridge on U.S. Highway 80 at Monroe, 0.4 mi (0.6 km) upstream from Illinois Central Railroad bridge, and 5.5 mi (8.8 km) upstream from lock and dam No. 4.

DRAINAGE AREA.--15,298 mi² (39,622 km²).

PERIOD OF RECORD.--Chemical analyses: August 1954 to September 1974 (discontinued).

Water temperatures: August 1954 to September 1958; October 1968 to August 1974 (discontinued).

REMARKS.--Continuous records are collected at this station. Probes are 10 ft (3 m) below water surface.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (MG/L)	DIS- SOLVED MANG- NESE (MN) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT.											
03...	10	--	--	--	--	--	--	27	22	11	61
NOV.											
29...	7.5	240	70	--	--	--	--	16	13	8.9	23
DEC.											
12...	7.1	--	--	--	--	--	2.3	12	10	7.8	17
JAN.											
23...	7.4	--	10	5.0	1.4	--	--	12	10	7.1	18
FEB.											
14...	5.3	--	--	--	--	--	--	12	10	6.7	13
MAR.											
20...	4.2	--	--	6.1	1.5	12	1.6	15	12	7.0	21
APR.											
09...	3.5	290	160	10	2.2	18	1.5	19	16	7.8	31
MAY											
08...	5.4	--	--	7.3	1.3	12	1.9	12	10	6.8	19
JUNE											
04...	5.5	--	--	7.2	1.8	16	1.9	12	10	7.5	29
JULY											
16...	5.4	550	150	6.8	1.4	7.8	1.7	19	16	4.2	12
AUG.											
29...	--	--	--	--	--	--	--	29	24	--	--
SEP.											
26...	7.1	--	--	6.5	2.1	11	2.0	17	14	6.6	21

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITU- ENTS) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.											
03...	.1	--	--	--	--	--	162	--	--	--	289
NOV.											
29...	.0	--	--	--	--	--	96	--	--	--	139
DEC.											
12...	.1	--	--	--	--	--	82	--	--	--	103
JAN.											
23...	.3	.00	.23	.16	.00	.00	80	--	16	8	96
FEB.											
14...	.0	--	--	--	--	--	65	--	--	--	77
MAR.											
20...	1.4	--	--	--	--	--	78	62	21	9	114
APR.											
09...	.2	.00	.18	.17	.00	.16	137	84	34	18	159
MAY											
08...	.2	--	--	--	--	--	84	60	24	14	106
JUNE											
04...	.2	--	--	--	--	--	103	76	25	13	135
JULY											
16...	.3	--	--	.22	--	.12	68	50	23	7	83
AUG.											
29...	--	--	--	--	--	--	--	--	--	--	428
SEP.											
26...	.2	--	--	--	--	--	80	65	25	11	122

267

07367000 OUACHITA RIVER AT MONROE, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COALIT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	ALDRIN (UG/L)	LINDANE (UG/L)
OCT.											
03...	6.9	26.0	20	20	4.8	1.0	--	--	--	--	--
NOV.											
24...	5.5	16.0	40	30	6.0	1.2	67	210	--	.00	.00
DEC.											
12...	6.8	10.5	70	28	7.7	5.4	200	110	--	--	--
JAN.											
23...	6.4	9.5	40	27	8.7	1.7	640	260	--	.00	.00
FEB.											
14...	6.4	11.0	60	18	8.2	2.5	--	10	--	--	--
MAR.											
20...	6.4	16.5	80	32	6.4	2.0	480	--	--	--	--
APR.											
09...	6.3	19.0	60	27	6.5	5.5	550	360	--	--	--
MAY											
05...	6.4	22.5	80	40	5.0	1.7	20	20	--	--	--
JUNE											
04...	6.8	25.0	300	33	5.2	1.4	140	--	--	--	--
JULY											
16...	--	--	60	15	2.5	1.2	42	120	9.2	.00	.00
AUG.											
29...	6.9	32.0	60	30	3.0	.2	1000	100	--	--	--
SEP.											
20...	6.5	20.5	80	35	4.0	1.6	120	440	--	--	--

[illegible]

07367000 OUACHITA RIVER AT MONROE, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

[illegible]

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1973 TO AUGUST 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	167	120	67	82	72	---	117	165	---	---	
2	---	168	140	68	81	74	---	115	---	---	---	
3	---	181	143	69	74	78	---	113	---	---	---	
4	---	163	125	73	72	79	---	107	---	---	---	
5	---	---	129	75	70	80	127	106	---	---	---	
6	---	117	117	84	74	83	118	108	170	---	---	
7	---	97	110	84	73	84	121	105	219	---	---	
8	---	---	111	84	70	90	130	106	205	---	---	
9	---	111	---	88	69	88	137	99	220	---	---	
10	---	120	110	88	66	95	139	93	400	---	---	
11	---	116	111	91	64	97	142	---	460	---	---	
12	---	125	101	92	63	98	149	---	185	---	---	
13	---	125	88	90	70	99	---	107	200	---	---	
14	---	122	81	88	73	99	---	102	125	---	---	
15	---	123	80	93	73	101	---	104	83	---	---	
16	---	129	79	94	77	99	---	103	91	---	---	
17	---	135	80	98	76	97	---	106	95	---	---	
18	330	146	75	97	75	102	181	110	99	---	---	
19	253	149	72	91	73	103	173	116	96	---	---	
20	200	130	71	87	75	106	172	125	98	---	---	
21	167	120	67	90	76	104	166	132	89	---	---	
22	131	115	64	90	78	104	160	140	73	---	---	
23	114	120	61	89	81	102	145	145	71	---	---	
24	119	125	62	89	82	103	140	135	66	---	---	
25	134	130	63	88	80	101	140	128	---	---	---	
26	154	128	64	88	75	104	129	123	---	---	---	
27	155	130	65	88	---	110	110	127	---	---	---	
28	160	131	65	88	72	114	108	146	---	---	---	
29	165	125	65	85	---	119	120	156	---	---	---	
30	175	121	66	86	---	123	121	155	---	---	---	
31	164	---	69	81	---	---	---	158	---	65	---	
AVG.	---	---	---	86	---	---	---	---	---	---	---	

07367000 OUACHITA RIVER AT MONROE, LA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1973 TO AUGUST 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	5.6	7.8	8.4	8.3	6.0	5.6	4.9	3.3	2.8	
2	---	---	5.8	8.0	8.2	8.1	5.9	5.3	5.1	3.0	3.0	
3	---	---	4.6	8.1	8.3	8.0	5.8	5.0	5.1	2.7	2.9	
4	5.3	---	4.9	8.2	8.4	7.9	6.0	4.8	5.2	2.5	3.0	
5	5.7	---	4.7	8.3	8.5	7.8	6.7	4.8	5.4	2.4	3.1	
6	5.7	---	5.0	8.2	8.5	7.7	6.9	4.7	5.5	2.4	2.8	
7	5.3	---	5.3	8.1	8.6	7.6	7.0	4.7	5.8	2.6	2.3	
8	5.4	7.2	5.6	7.8	8.7	7.6	7.0	4.7	5.7	2.5	2.0	
9	5.2	7.5	---	7.5	8.9	7.6	7.0	4.5	5.4	2.3	1.8	
10	5.2	7.4	7.0	7.4	9.1	7.4	7.1	4.5	5.1	2.1	2.1	
11	5.6	7.4	6.9	7.5	9.1	7.3	7.2	4.7	4.9	2.1	2.0	
12	5.3	7.1	7.0	7.6	9.1	7.1	7.3	4.8	4.9	2.0	1.3	
13	4.5	6.8	7.0	7.7	8.8	7.0	---	5.0	5.0	1.9	1.3	
14	5.3	6.4	7.1	7.8	8.6	7.1	---	4.9	4.2	2.0	---	
15	5.1	6.3	6.9	7.6	8.5	7.3	---	4.8	3.7	1.9	---	
16	6.6	6.4	7.1	7.4	8.3	7.3	---	4.6	3.6	1.8	---	
17	7.4	6.2	7.5	7.0	8.1	7.2	---	4.4	3.4	1.5	---	
18	7.2	6.1	7.9	6.9	8.1	7.3	6.5	4.2	3.5	1.8	---	
19	7.9	5.9	7.9	6.9	8.0	7.0	6.5	3.9	3.4	1.9	---	
20	7.9	6.1	7.7	7.5	7.9	7.0	6.6	3.7	3.4	1.8	---	
21	7.7	6.3	7.9	7.3	7.9	7.0	6.7	3.5	3.2	1.8	---	
22	8.0	5.8	8.1	7.3	8.0	7.1	7.0	3.7	3.1	1.7	---	
23	8.2	5.2	8.1	7.4	7.9	7.2	6.7	3.7	3.2	1.7	---	
24	8.3	5.5	8.2	7.6	8.0	7.1	6.4	4.1	3.5	1.5	---	
25	---	5.9	8.0	8.1	8.2	7.4	6.1	4.3	3.9	1.5	---	
26	---	5.8	7.9	8.0	8.2	7.6	6.0	4.8	4.3	1.8	---	
27	---	5.3	7.8	8.1	8.3	7.0	6.1	4.8	4.5	1.8	---	
28	---	5.6	7.8	8.1	8.4	6.8	6.0	4.7	4.4	2.0	---	
29	---	5.4	7.6	8.7	---	6.5	5.9	4.8	4.0	2.1	---	
30	---	5.3	7.6	8.5	---	6.3	5.6	5.0	3.5	2.3	---	
31	---	---	7.7	8.4	---	6.2	---	5.0	---	2.6	---	
AVG.	---	---	---	7.8	8.4	7.3	---	4.6	4.4	2.1	---	

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1973 TO AUGUST 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28.5	17.5	15.0	9.5	10.5	11.0	16.5	21.5	24.5	24.5	27.5	
2	28.5	18.0	14.5	8.5	11.0	11.5	17.0	21.5	24.0	24.5	27.5	
3	29.0	18.0	14.5	8.0	11.0	12.0	17.5	21.5	24.0	24.5	27.0	
4	29.0	19.0	14.0	7.0	11.5	13.0	18.0	22.0	24.0	25.0	27.0	
5	29.0	18.5	13.5	6.5	11.0	13.5	18.0	22.5	24.0	25.5	27.0	
6	29.0	17.5	12.5	6.5	11.5	14.0	17.5	22.0	24.0	25.5	26.5	
7	28.5	17.0	11.5	6.5	11.5	14.5	17.5	21.5	24.0	25.5	27.0	
8	29.0	17.0	11.0	6.5	11.5	15.0	17.5	22.0	25.0	26.0	27.0	
9	29.0	16.0	---	6.5	11.0	15.0	17.5	21.5	24.0	25.5	26.5	
10	28.5	15.5	11.0	6.5	10.0	15.5	17.5	22.0	24.0	25.0	27.0	
11	28.5	15.0	10.5	7.0	10.0	15.5	17.5	22.0	24.0	25.0	28.0	
12	29.0	14.0	9.5	7.0	10.0	16.0	17.5	22.0	24.5	25.5	28.0	
13	29.0	13.5	9.5	7.0	10.0	16.0	---	22.0	24.5	26.0	28.5	
14	29.0	14.5	10.0	6.5	10.5	15.5	---	22.5	24.5	26.0	---	
15	28.0	14.5	10.0	7.0	11.5	15.5	---	22.5	24.5	26.5	---	
16	27.0	14.5	10.0	7.5	11.5	15.5	---	22.5	25.0	26.0	---	
17	25.0	15.0	9.5	8.0	11.5	15.5	---	22.5	24.5	25.5	---	
18	23.5	14.5	8.5	8.0	11.5	15.5	19.0	23.0	25.0	26.0	---	
19	21.5	15.0	8.5	8.5	11.5	16.0	19.0	23.5	24.5	26.0	---	
20	20.5	15.0	9.0	9.0	11.5	16.5	19.5	24.0	24.5	26.0	---	
21	20.0	15.5	8.5	8.5	11.5	17.0	20.0	24.5	24.5	26.5	---	
22	19.5	15.5	7.5	9.0	11.5	16.5	20.0	24.5	25.0	27.0	---	
23	19.0	16.5	7.0	9.5	11.5	16.0	20.0	24.0	25.0	27.5	---	
24	19.0	16.5	8.0	9.5	11.5	16.0	20.0	24.0	25.5	27.5	---	
25	19.0	17.0	8.0	9.0	11.5	15.0	20.5	24.0	24.5	27.0	---	
26	19.0	18.0	8.5	9.5	11.5	14.0	20.0	24.0	24.0	27.0	---	
27	19.5	18.5	8.5	9.0	11.0	14.5	19.5	24.5	24.0	27.0	---	
28	19.5	17.0	8.5	10.0	10.5	14.5	20.0	24.0	23.5	27.0	---	
29	19.5	16.0	8.5	9.5	---	15.0	20.5	24.0	24.0	27.5	---	
30	19.0	15.5	9.0	10.0	---	15.5	21.0	24.5	24.0	28.0	---	
31	18.0	---	9.5	10.0	---	16.0	---	25.0	---	28.0	---	
AVG.	24.5	16.0	---	8.0	11.0	15.0	---	23.0	24.5	26.0	---	

07372200 LITTLE RIVER NEAR ROCHELLE, LA.

LOCATION.--Lat 31°45'15", long 92°20'40", in SW°SW° sec.14, T.9 N., R.1 E., Grant-La Salle Parish line, near right bank on downstream side of pier of bridge on State Highway 500, 700 ft (213 m) upstream from Louisiana Midland Railway Co. bridge, 1.1 mi (1.8 km) northeast of Zenoria, and 3.0 mi (4.8 km) southeast of Rochelle.

DRAINAGE AREA.--1,899 mi² (4,918 km²).

PERIOD OF RECORD.--Chemical analyses: October 1958 to September 1959, October 1964 to September 1974.

EXTREMES.--1973-74:

Specific conductance: Maximum daily, not determined; minimum daily, not determined.

Period of record:

Specific conductance (1966-74): Maximum daily, 26,800 micromhos Dec. 4, 1965; minimum daily, 50 micromhos May 15-17, 1971.

REMARKS.--Conductance recorder with probe 2 ft (0.6 m) from stream bottom; daily mean values are reported in the daily conductance table.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED CHLORIDE (CL) (MG/L)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (Fe) (MG/L)	DIS- SOLVED MANG- NESE (Mn) (MG/L)	DIS- SOLVED CAL- CIUM (Ca) (MG/L)	DIS- SOLVED MAG- NE- SIUM (Mg) (MG/L)	DIS- SOLVED SODIUM (Na) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	ALKA- LITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT...	121	17	--	--	--	--	--	--	83	68	28	74
NOV...	3980	9.1	340	100	--	--	--	--	14	11	9.4	14
DEC...	3170	11	--	--	--	--	--	--	27	22	13	11
JAN...	13300	7.8	250	10	3.0	.9	6.9	1.7	12	10	8.8	7.4
FEB...	21500	13	--	--	--	--	--	1.5	19	16	12	13
MAR...	37500	7.9	--	--	3.5	.9	10	1.8	15	12	10	7.0
APR...	1590	12	--	--	5.2	1.8	12	1.5	21	17	9.3	12
MAY...	888	15	--	--	8.1	1.6	25	2.0	26	21	11	29
JUNE...	501	15	--	--	7.0	2.8	48	2.6	49	40	27	51
JULY...	372	11	220	170	14	1.9	70	3.8	89	73	47	46
AUG...	89	--	--	--	--	--	--	--	87	71	--	--
SEP...	827	12	--	--	0.5	1.8	33	2.6	46	38	19	26

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SOL OF CONSTIT- TIENTS) (MG/L)	HARD- NESS (Ca+Mg) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)
OCT...	.2	262	--	--	--	445	7.6	27.0	100	17	5.0	1.5
NOV...	.2	96	--	--	--	93	6.3	17.5	100	55	5.5	3.3
DEC...	.2	154	--	--	--	113	6.6	8.0	100	35	9.9	6.4
JAN...	.5	82	43	11	1	62	6.4	9.5	100	44	7.6	1.6
FEB...	.0	99	--	--	--	109	6.5	11.0	100	39	9.0	2.1
MAR...	1.4	73	50	12	0	81	6.5	18.5	100	67	7.2	2.6
APR...	.2	97	54	20	3	114	6.2	17.5	90	52	7.8	5.5
MAY...	.2	126	105	27	5	176	6.7	12.5	100	35	5.5	1.2
JUNE...	.3	198	183	34	0	311	7.1	25.0	70	59	6.1	1.1
JULY...	.2	230	238	43	0	397	7.3	28.5	100	43	4.4	1.7
AUG...	--	--	--	--	--	708	7.4	30.5	140	60	4.9	2.2
SEP...	.2	148	124	24	0	214	7.4	20.0	180	60	6.5	2.4

271

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

[illegible]

RED RIVER BASIN

07372200 LITTLE RIVER NEAR ROCHELLE, LA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) • WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	400	450	105	90	115	---	---	115	265	230	555	440
2	440	300	110	100	110	---	---	135	330	---	600	320
3	450	200	130	100	---	---	110	145	300	---	650	260
4	410	225	170	120	---	---	120	140	310	---	600	230
5	440	175	160	---	---	---	120	150	275	---	670	260
6	450	110	135	---	---	---	130	170	250	---	660	260
7	450	90	115	---	---	---	135	170	245	---	590	380
8	510	95	115	---	---	---	130	185	250	---	620	465
9	520	100	120	---	---	---	130	170	260	---	640	275
10	540	95	125	---	---	---	130	160	300	295	670	220
11	575	85	125	---	---	---	150	170	355	310	620	190
12	705	75	135	---	---	---	180	190	290	300	590	170
13	380	90	140	---	---	---	80	200	300	270	640	230
14	200	105	140	---	---	---	65	210	265	260	625	130
15	155	125	160	---	---	---	60	215	190	230	482	110
16	145	145	185	---	---	---	50	230	185	460	510	100
17	135	155	205	---	---	---	50	255	270	395	430	75
18	145	170	240	---	---	---	50	270	280	415	530	70
19	145	180	280	---	---	---	60	280	160	390	670	80
20	165	205	185	---	---	---	75	280	140	325	540	100
21	185	230	150	---	---	---	90	280	140	300	460	120
22	180	260	110	---	---	---	100	390	150	330	385	140
23	175	200	90	---	---	---	115	515	130	325	440	140
24	150	190	100	70	---	---	145	535	140	350	840	170
25	150	230	110	60	---	---	140	330	130	375	690	205
26	155	175	130	55	---	---	145	295	140	370	530	219
27	185	165	110	50	---	---	120	285	145	380	490	195
28	200	140	100	60	---	254	100	330	160	395	590	165
29	210	115	105	60	---	---	100	280	180	410	700	150
30	250	110	105	60	---	---	100	240	205	425	720	---
31	430	---	85	90	---	---	---	230	---	470	740	---
AVG.	311	165	138	---	---	---	106	244	225	---	596	---

07373000 BIG CREEK AT POLLOCK, LA.
(Hydrologic bench-mark and pesticide station)

LOCATION.--Lat 31°32'10", long 92°24'30", in SW¼SE¼ sec.31, T.7 N., R.1 E., Grant Parish, near right bank on downstream side of bridge on U.S. Highway 165, 0.5 mi (0.8 km) upstream from Sugar Branch, 0.6 mi (1.0 km) upstream from Missouri Pacific Railroad Co. bridge, 0.8 mi (1.3 km) upstream from water-supply diversion dam, 0.8 mi (1.3 km) north of Pollock, and 1.3 mi (2.1 km) downstream from Dyson Creek.

DRAINAGE AREA.--51 mi² (132 km²).

PERIOD OF RECORD.--Chemical analyses: Water years 1968-74.
Water temperatures: October 1964 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)
OCT.											
03...	22	19	--	--	1.8	.2	4.9	1.7	16	13	1.1
NOV.											
29...	54	9.2	--	--	1.7	.2	3.7	2.3	12	10	2.0
DEC.											
12...	30	19	--	--	1.8	.3	4.5	1.4	13	11	1.1
JAN.											
23...	99	15	--	80	1.5	.6	3.7	1.1	10	8	3.6
FEB.											
14...	64	17	--	--	--	--	--	1.0	11	9	2.7
MAR.											
20...	53	17	--	--	1.5	1.0	3.9	1.2	12	10	1.7
APR.											
09...	48	18	--	--	2.6	1.0	4.6	.8	17	14	2.6
MAY											
08...	31	21	--	--	2.0	.6	4.3	1.1	13	11	2.5
JUNE											
04...	30	20	850	75	3.3	.9	4.4	1.4	14	11	2.3
JULY											
18...	21	21	--	--	3.3	.7	4.6	1.4	15	12	2.1
AUG.											
29...	25	--	--	--	--	--	--	--	13	11	--
SEP.											
26...	36	18	--	--	3.1	.5	3.8	1.9	13	11	2.7

DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRATE (NO ₃) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	TOTAL FILT- RABLE RESIDUE (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT.											
03...	3.9	.1	--	--	.01	41	--	41	--	5	0
NOV.											
29...	4.6	.1	--	--	.35	52	--	30	--	5	0
DEC.											
12...	4.3	.1	--	--	.01	44	--	39	--	6	0
JAN.											
23...	4.1	.2	.11	.47	.00	48	--	35	--	6	0
FEB.											
14...	3.6	.2	--	--	--	45	--	--	--	--	--
MAR.											
20...	3.2	.1	.11	.49	.24	38	--	36	--	8	0
APR.											
04...	3.6	.1	.09	.41	.05	53	--	42	--	11	0
MAY											
08...	3.4	.1	--	.51	.12	--	--	41	--	7	0
JUNE											
04...	5.3	.1	.11	.50	.06	42	48	45	18	12	0
JULY											
18...	4.4	.0	.03	.12	.09	50	--	45	--	11	0
AUG.											
29...	--	--	.07	.33	.05	--	--	--	--	--	--
SEP.											
26...	3.0	.1	.11	.47	.05	28	--	40	--	10	10

RED RIVER BASIN

07373000 BIG CREEK AT POLLOCK, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (MG/L)	DISSOLVED OXYGEN (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	ALDRIN (UG/L)
OCT. 03...	40	6.8	24.0	--	14	7.5	1.7	--	--	--
NOV. 29...	39	6.5	13.5	--	20	8.8	2.3	340	550	--
DEC. 12...	38	6.6	10.5	--	12	10.6	9.0	80	160	--
JAN. 23...	33	6.4	10.0	--	10	8.9	1.3	180	440	--
FEB. 14...	33	6.5	15.0	--	5	9.0	8.0	--	100	--
MAR. 20...	37	6.8	--	--	19	8.2	1.4	220	240	--
APR. 09...	42	6.7	15.0	--	16	8.8	3.3	300	55	--
MAY 08...	38	6.8	19.0	--	35	8.4	.8	30	180	--
JUNE 04...	38	6.9	21.0	--	16	7.6	1.5	100	450	.00
JULY 18...	41	7.0	24.5	--	7	7.5	.7	64	700	--
AUG. 29...	39	6.7	27.0	50	10	7.4	.9	500	2500	--
SEP. 26...	38	6.8	19.0	60	45	8.0	2.4	--	--	--

DATE	LINDANE (UG/L)	CHLORDANE (UG/L)	DDO (UG/L)	DDT (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTACHLOR (UG/L)	HEPTACHLOR EPOXIDE (UG/L)	PCB (UG/L)
JUNE 04...	.00	.0	.00	.00	.00	.00	.00	.00	.00	.0

DATE	MALATHION (UG/L)	PARATHION (UG/L)	METHYL PARATHION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)	TOTAL ARSENIC (AS) (UG/L)	TOTAL BARIUM (BA) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)
JUNE 04...	.00	.00	.00	.00	.00	.00	0	0	0	0

DATE	TOTAL COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	TOTAL SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DISSOLVED GROSS BETA AS CS-137 (PC/L)	SUSPENDED GROSS BETA AS CS-137 (PC/L)	DISSOLVED RA-226 (RADON) (PC/L)
JAN. 23...	--	--	.0	--	--	--	--	--	--
JUNE 04...	0	0	.0	5	1	80	2.2	.8	.03

RED RIVER BASIN

275

07373000 BIG CREEK AT POLLOCK, LA.--Continued

TEMPERATURE (DEG. C) OF WATER * WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.0	14.0	12.0	10.5	13.5	14.0	19.5	19.5	22.0	23.0	24.0	23.5
2	23.0	15.0	11.5	8.5	15.0	15.5	18.5	20.0	21.5	24.0	23.0	23.5
3	23.0	17.0	13.5	5.5	16.0	17.0	19.5	21.0	21.0	24.5	23.5	23.0
4	23.0	18.0	15.5	5.5	13.5	18.5	19.5	21.0	21.0	25.0	24.0	19.5
5	23.0	18.5	14.0	6.5	11.5	19.0	15.5	20.5	22.0	25.0	23.0	19.0
6	23.0	16.0	11.5	8.5	12.0	19.5	14.0	19.5	23.5	24.0	22.0	18.5
7	23.0	15.0	10.0	9.5	12.0	19.5	14.0	19.0	24.0	22.0	23.0	19.0
8	22.0	16.0	8.5	9.5	10.0	19.5	15.0	19.5	24.5	22.0	23.5	20.0
9	22.0	17.0	7.0	12.0	8.0	19.5	15.0	19.0	25.0	23.0	24.0	20.5
10	23.0	15.5	7.0	15.0	7.0	19.5	14.0	19.5	24.5	24.0	25.0	21.5
11	23.0	13.5	7.0	15.0	8.5	19.0	14.5	20.0	23.0	24.5	25.0	23.0
12	21.5	13.0	9.0	11.5	9.0	18.5	15.0	19.5	23.0	25.0	25.0	23.0
13	21.5	13.0	12.0	9.5	10.5	17.0	15.0	20.0	23.0	25.5	25.0	23.0
14	21.5	14.5	12.0	10.0	13.0	14.0	15.5	20.5	23.0	25.5	23.5	23.0
15	21.5	16.5	11.5	12.0	13.5	14.0	15.0	21.5	23.5	25.0	23.5	21.0
16	21.0	16.5	10.0	14.0	13.0	14.0	15.0	23.0	23.5	25.0	24.5	21.0
17	19.0	14.5	8.0	15.0	11.5	13.5	16.0	23.5	23.5	24.5	25.0	21.5
18	17.0	14.0	7.0	16.0	10.5	14.0	15.5	23.5	23.0	24.5	25.0	22.0
19	16.5	16.0	10.0	16.5	11.0	15.0	16.0	23.5	23.5	25.0	24.5	22.0
20	16.0	17.0	10.0	15.5	10.5	16.5	16.5	23.0	24.5	25.5	25.5	23.0
21	16.0	16.5	7.0	14.0	12.0	14.5	18.5	22.0	24.5	25.5	25.5	21.0
22	16.5	15.5	6.0	13.5	13.0	10.5	18.5	21.0	24.5	26.0	25.0	19.5
23	17.0	17.0	8.5	14.5	10.5	10.5	18.0	21.5	24.5	25.5	24.5	19.0
24	17.0	19.0	11.5	12.0	10.0	10.5	17.0	21.5	23.5	25.5	24.0	19.0
25	17.0	19.5	12.0	11.0	9.5	9.0	17.0	22.0	21.5	25.0	24.5	--
26	17.0	20.0	12.0	11.0	9.5	11.5	16.0	22.0	21.0	25.5	24.0	--
27	18.0	21.0	11.0	12.0	9.5	13.5	17.0	21.5	20.0	25.5	23.5	--
28	18.0	19.0	10.0	15.5	11.5	15.5	19.0	21.5	20.0	25.0	24.0	--
29	16.0	14.5	11.5	15.0	-----	17.0	19.5	21.5	21.0	25.5	23.5	--
30	14.5	13.0	13.5	13.5	-----	18.0	19.5	23.0	21.5	25.0	23.5	--
31	15.0	-----	13.5	13.0	-----	18.5	-----	23.0	-----	24.5	23.5	-----
AVG.	19.5	16.0	10.5	12.0	11.0	15.5	16.5	21.0	23.0	24.5	24.0	--

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA.

LOCATION.--Lat 30°45'30", long 91°23'45", in lot 31, T.3 S., R.11 E., West Feliciana Parish, at ferry at State Highway 10 crossing, 2.0 mi (3.2 km) southwest of St. Francisville.

DRAINAGE AREA.--1,243,000 mi² (3,219,000 km²), arbitrarily determined.

PERIOD OF RECORD.--Chemical analyses: August 1954 to September 1974.

Water temperatures: August 1954 to September 1972.

WATER QUALITY DATA: WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	ALKA- LITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)
OCT.										
03...	--	40	40	13	24	3.6	158	130	61	.5
10...	--	20	--	--	--	--	157	129	70	--
18...	--	30	39	16	--	--	127	104	--	--
24...	--	20	36	15	--	--	127	104	49	--
31...	--	330	33	13	--	--	128	105	--	--
NOV.										
07...	8.9	10	40	11	24	6.4	146	120	--	.4
14...	--	10	41	14	--	--	149	122	63	--
21...	--	40	47	18	--	--	156	128	75	--
29...	--	20	--	--	--	--	138	113	58	--
DEC.										
07...	1.8	0	30	9.0	15	3.8	101	83	44	.0
13...	--	--	30	8.3	--	--	99	81	36	--
20...	--	50	31	8.8	--	--	104	85	33	--
27...	--	--	31	9.0	--	--	106	87	31	--
JAN.										
03...	--	--	34	9.6	--	--	113	93	41	--
09...	--	0	31	9.3	14	2.9	101	83	37	.1
16...	--	0	28	8.5	--	--	92	75	32	--
23...	--	90	25	7.0	--	--	81	66	30	--
30...	--	10	27	7.2	--	--	83	68	29	--
FEB.										
07...	7.0	100	--	--	--	--	96	79	34	.2
15...	--	60	32	8.9	--	--	100	82	35	--
22...	--	30	32	8.9	--	--	100	82	34	--
28...	--	30	34	9.5	--	--	109	89	33	--
MAR.										
07...	6.9	40	34	9.8	13	2.2	109	89	37	.2
14...	--	50	35	11	--	--	117	96	40	--
19...	--	10	40	12	--	--	126	103	56	--
28...	--	20	35	10	--	--	115	94	43	--
APR.										
04...	6.9	10	35	10	13	2.9	113	93	39	.1
09...	--	50	36	12	13	1.7	113	93	41	--
17...	--	0	37	9.9	12	2.0	114	94	39	--
22...	--	0	39	11	13	2.4	116	95	48	--
MAY										
02...	--	10	37	11	12	2.5	118	97	41	--
09...	6.7	10	39	12	15	2.6	126	103	44	.2
15...	--	0	42	13	20	2.9	142	116	51	--
23...	--	0	39	12	16	2.8	132	108	50	--
30...	--	0	41	14	--	--	124	102	51	--
JUNE										
03...	6.1	0	35	10	15	3.1	108	89	40	.3
13...	--	10	33	9.0	13	2.9	108	89	39	--
19...	--	0	34	9.0	13	3.2	107	88	40	--
27...	--	0	32	9.3	10	3.0	113	93	30	--
JULY										
03...	--	--	--	--	--	--	--	--	--	--
AUG.										
16...	.7	10	46	15	18	2.8	158	130	54	.4
SEP.										
12...	3.9	20	36	12	21	3.2	121	99	53	.2

LOWER MISSISSIPPI RIVER BASIN

277

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED ORTHO. PHOS- PHORUS (P) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	SUS- PENDED SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.										
03...	--	--	.07	--	242	--	93	150	24	421
10...	--	--	.07	--	--	--	114	--	--	474
18...	1.1	--	--	--	--	--	342	160	59	366
24...	1.2	--	.04	--	--	--	265	150	47	401
31...	1.3	--	.10	--	--	--	353	140	31	352
NOV.										
07...	1.3	--	.11	--	250	--	258	150	25	414
14...	1.7	--	.09	--	--	--	145	160	38	447
21...	1.7	--	.09	--	--	--	116	190	64	486
29...	1.2	--	.09	--	--	--	244	--	--	427
DEC.										
07...	--	.28	--	--	183	175	316	110	29	317
13...	1.1	.27	--	--	--	--	212	110	28	293
20...	1.4	.29	--	--	--	--	154	110	28	290
27...	1.1	.29	--	--	--	--	189	110	28	295
JAN.										
03...	1.2	.28	--	--	--	--	--	120	32	330
09...	1.2	.06	--	--	178	--	154	120	33	306
16...	1.2	.02	--	--	--	--	93	110	29	270
23...	--	--	.00	.65	--	--	113	94	27	235
30...	--	--	.04	.63	--	--	164	97	29	245
FEB.										
07...	--	--	.04	.81	193	--	111	--	--	282
15...	.84	.02	--	--	--	--	81	120	35	292
22...	.77	.03	--	--	--	--	75	120	35	280
28...	.75	.04	--	--	--	--	144	120	35	311
MAR.										
07...	--	--	.04	.57	196	173	103	130	36	323
14...	.52	.04	--	--	--	--	121	130	37	336
19...	1.1	.06	--	--	--	--	166	150	46	390
28...	1.1	.04	--	--	--	--	146	130	34	351
APR.										
04...	.93	.06	--	--	180	183	107	130	36	316
09...	.47	.04	--	--	--	--	98	140	47	324
17...	.72	.04	--	--	--	--	115	130	40	315
22...	1.0	.04	--	--	--	--	194	14	48	335
MAY										
02...	.93	.04	--	--	--	--	135	140	41	318
09...	.61	.06	--	--	264	199	173	150	43	356
15...	.70	.06	--	--	--	--	274	160	42	413
23...	.63	.06	--	--	--	--	171	150	39	368
30...	.81	.06	--	--	--	--	237	160	58	387
JUNE										
03...	1.0	.04	--	--	194	185	463	130	40	321
13...	1.2	.04	--	--	--	--	192	120	31	316
19...	1.1	.13	--	--	--	--	185	120	34	311
27...	1.0	.07	--	--	--	--	150	120	26	296
JULY										
03...	.59	.26	--	--	--	--	--	--	--	--
AUG.										
16...	--	--	.14	.54	278	231	43	180	50	426
SEP.										
12...	--	--	.22	.59	210	--	67	140	35	379

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.									
03...	--	25.0	7	47	7.2	.6	--	--	--
10...	--	25.0	10	55	6.6	1.9	1000	110	--
18...	--	22.0	60	105	8.0	2.1	--	--	--
24...	8.1	21.0	30	100	7.5	2.1	5600	1800	--
31...	--	24.0	30	120	8.1	1.8	5600	580	--
NOV.									
07...	--	17.0	30	51	8.5	.8	5400	400	5.0
14...	8.0	15.0	10	10	11.0	5.0	2000	300	--
21...	8.0	15.0	10	55	9.1	2.8	--	--	--
29...	--	15.5	20	--	7.8	3.4	900	130	--
DEC.									
07...	7.3	12.5	30	90	8.2	1.4	2600	460	--
13...	7.3	11.0	30	70	9.1	7.1	3500	--	--
20...	7.4	8.0	30	70	9.6	4.1	6000	1100	--
27...	7.5	7.0	30	80	10.0	--	3000	--	--
JAN.									
03...	7.5	6.0	30	70	10.2	1.0	11000	3000	--
09...	7.4	6.0	30	40	11.1	8.3	5800	--	--
16...	7.5	5.0	30	38	9.7	1.8	2500	250	6.5
23...	7.4	7.5	50	70	10.8	2.5	800	300	--
30...	7.3	9.0	40	100	10.0	3.7	1300	160	--
FEB.									
07...	7.4	9.5	40	72	9.8	2.0	1600	--	--
15...	7.3	9.0	30	61	10.1	--	900	--	--
22...	7.6	9.0	30	76	--	--	980	90	--
28...	7.5	11.5	30	79	10.0	5.1	500	400	--
MAR.									
07...	7.6	12.0	80	--	10.1	2.2	1100	300	12
14...	7.7	13.5	60	84	9.0	1.6	4600	850	--
19...	7.6	15.0	10	101	8.9	--	800	760	--
28...	7.4	11.5	5	80	9.7	1.6	1400	440	--
APR.									
04...	7.7	13.5	40	67	9.7	2.1	2000	120	2.5
09...	7.5	14.5	20	63	9.4	6.5	700	420	--
17...	7.5	16.5	60	90	9.0	3.0	1500	500	--
22...	7.6	16.5	30	95	8.6	1.6	600	160	--
MAY									
02...	7.5	19.0	30	87	9.3	3.4	--	180	--
09...	7.6	20.5	40	93	9.7	4.9	900	300	6.4
15...	7.7	21.0	20	97	7.7	1.8	420	320	--
23...	7.5	23.0	30	99	7.4	3.2	2000	150	--
30...	7.5	23.0	40	95	6.8	1.3	5000	240	--
JUNE									
03...	7.5	23.0	200	195	7.4	3.1	4200	400	11
13...	7.6	24.0	60	95	6.5	.8	2800	160	--
19...	7.5	25.0	100	87	7.2	1.8	2000	250	--
27...	7.7	25.0	50	110	6.9	3.7	750	320	--
JULY									
03...	--	25.5	--	90	6.2	1.0	1400	140	11
AUG.									
16...	7.8	29.0	50	40	8.4	1.5	1700	540	9.7
SEP.									
12...	7.9	25.0	20	75	6.8	1.1	2800	40	7.5

LOWER MISSISSIPPI RIVER BASIN

279

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT.										
03...	.00	0	2	0	1	0	--	2	.0	0
10...	.00	0	--	0	1	0	--	4	.0	10
18...	.00	0	--	1	0	0	--	2	.0	10
24...	.00	0	--	0	1	0	--	2	.0	20
31...	.00	22	--	1	0	0	--	3	.0	90
NOV.										
07...	.00	11	5	0	0	0	--	0	.0	30
14...	.00	0	--	3	0	0	--	2	.2	10
21...	.01	0	--	4	0	0	--	0	.0	10
29...	.00	0	--	2	0	0	--	1	.0	10
DEC.										
07...	.01	2	1	6	1	0	--	1	.0	--
13...	.00	2	--	9	1	0	--	2	--	10
20...	--	1	--	--	1	0	--	4	--	20
27...	.01	2	--	--	1	0	--	4	--	50
JAN.										
03...	.00	2	--	--	0	0	--	6	--	50
09...	.01	0	12	5	0	0	--	8	.7	6
16...	.00	5	--	6	0	0	--	10	.7	6
23...	.00	0	--	2	0	0	--	1	.0	0
30...	.00	11	--	1	1	0	--	3	.0	50
FEB.										
07...	.00	0	0	10	1	0	3	0	.1	40
15...	.00	2	--	2	3	--	--	9	.2	10
22...	.01	1	--	1	4	0	--	9	.1	20
28...	.00	0	--	0	3	0	--	3	.5	4
MAR.										
07...	.00	4	--	--	1	0	--	0	.3	8
14...	.01	0	--	1	0	0	4	1	.3	20
19...	.01	6	--	5	1	0	--	4	.0	10
28...	.00	1	--	12	2	0	--	0	.1	10
APR.										
04...	.00	8	1	2	1	0	--	3	.0	190
09...	.00	10	--	0	0	0	--	4	.2	20
17...	.00	8	--	0	0	0	--	0	.1	9
22...	.00	0	--	2	--	0	--	--	.3	10
MAY										
02...	.00	2	--	10	1	0	--	0	.1	20
09...	.00	2	0	7	8	0	--	10	.1	8
15...	.00	5	--	2	3	0	--	4	.3	3
23...	.00	2	--	--	--	--	--	--	--	--
30...	.00	0	--	--	--	--	--	--	--	--
JUNE										
03...	.00	2	1	--	--	--	--	--	--	--
13...	.00	--	--	--	--	--	--	--	--	--
19...	.00	--	--	--	--	--	--	--	--	--
27...	.00	--	--	--	--	--	--	--	--	--
JULY										
03...	--	0	--	.00	.0	.00	.00	.00	.01	.00
AUG.										
16...	.00	--	2	.00	.0	.00	.00	.00	<.01	.00
SEP.										
12...	--	--	1	--	--	--	--	--	--	--

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	ETHION (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	PCB (UG/L)	TOX- APHENE (UG/L)
MAY									
23...	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--
JUNE									
03...	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--
19...	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--
JULY									
03...	.00	.00	.00	.00	.00	.00	.00	.0	0
AUG.									
16...	.00	.00	.00	.00	.00	.00	.00	.0	0

DATE	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY									
23...	--	--	--	5	3	0	0	.0	3
30...	--	--	--	1	3	0	3	.0	10
JUNE									
03...	--	--	--	0	3	2	2	.0	20
13...	--	--	--	0	0	2	0	.0	7
19...	--	--	--	0	4	2	--	.1	20
27...	--	--	--	1	6	0	0	.1	0
JULY									
03...	.00	.00	.00	--	--	--	--	--	--
AUG.									
16...	.03	.02	.03	1	1	0	13	.3	4
SEP.									
12...	--	--	--	1	3	0	--	.2	10

LOWER MISSISSIPPI RIVER BASIN

281

MISSISSIPPI RIVER MAIN STEM

07373423 MISSISSIPPI RIVER BELOW ST. FRANCISVILLE, LA.

LOCATION.--Lat 30°42'05", long 91°20'38", in lot 49, T.4 S., R.11 E., West Feliciana Parish at Crown Zellerback Corp. paper mill, 5.7 miles southeast of St. Francisville.

DRAINAGE AREA.--1,243,000 sq mi, arbitrarily determined.

PERIOD OF RECORD.--Chemical analyses: November 1968 to September 1973.
Water temperatures: October 1969 to September 1973.

REMARKS.--Continuous recorder at this station.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	402	420	449	---	273	354	347	316	320	285	380	342
2	403	425	440	346	280	360	340	315	303	288	390	339
3	405	422	402	346	285	371	336	313	296	296	391	354
4	415	429	370	345	286	361	333	314	300	300	395	366
5	428	439	348	347	288	348	333	318	305	315	395	---
6	438	440	339	345	293	344	339	326	300	318	392	---
7	446	451	338	334	295	345	338	337	292	319	393	---
8	448	454	325	329	299	347	338	344	291	320	392	---
9	450	455	317	328	304	346	335	348	290	322	392	---
10	449	453	315	316	308	346	333	355	291	322	394	---
11	439	459	309	313	311	348	325	361	296	311	396	---
12	406	460	307	311	312	351	322	367	296	310	395	---
13	390	462	309	305	313	358	316	377	286	311	393	---
14	382	460	313	295	313	360	313	393	280	316	391	---
15	360	455	315	296	312	362	312	399	279	322	390	---
16	365	459	317	301	314	365	311	397	281	329	384	---
17	358	468	318	305	312	378	308	387	281	335	384	---
18	356	481	320	---	312	387	314	374	281	342	388	---
19	360	490	315	---	310	389	319	364	279	345	388	---
20	385	494	308	---	298	391	324	349	276	386	385	---
21	415	495	---	---	300	390	329	335	275	385	390	---
22	422	496	---	---	300	387	330	321	---	390	383	---
23	411	490	---	---	307	382	329	322	---	395	380	---
24	416	482	---	---	315	369	326	328	---	395	375	---
25	423	472	---	---	315	365	322	335	---	393	375	---
26	448	466	---	---	333	362	325	340	---	392	368	---
27	451	463	---	---	---	362	326	346	---	384	359	---
28	419	462	---	---	---	363	324	342	---	382	358	---
29	389	455	---	---	---	360	320	340	281	375	345	---
30	395	445	---	---	---	358	317	345	280	378	335	---
31	402	---	---	270	---	353	---	336	---	379	334	---
AVG.	409	460	---	---	---	363	326	347	---	343	381	---

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07373423 MISSISSIPPI RIVER BELOW ST. FRANCISVILLE, LA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.0	8.7	8.1	---	9.2	10.3	8.0	7.8	6.8	---	---	---
2	5.2	8.6	7.7	10.7	---	10.3	7.7	7.9	6.8	---	---	---
3	5.4	8.6	7.5	10.8	---	10.5	8.0	7.7	6.8	---	---	---
4	5.6	8.6	7.4	10.8	---	10.2	8.0	7.4	6.9	---	---	---
5	5.7	8.4	7.8	---	---	10.0	7.8	7.2	7.0	---	---	---
6	5.9	8.3	7.9	---	9.5	10.0	8.1	7.1	7.0	---	---	---
7	6.0	8.2	7.9	---	9.8	9.7	8.0	7.0	7.1	---	---	---
8	6.1	8.2	8.1	---	9.9	9.7	8.2	6.7	7.2	---	---	---
9	6.2	8.4	8.2	10.7	10.0	9.4	8.2	6.6	7.1	---	---	---
10	6.4	8.5	8.3	10.5	10.0	9.6	8.2	6.6	7.0	---	---	---
11	6.6	8.7	8.2	---	10.0	9.4	8.1	6.7	6.9	---	---	---
12	6.7	8.8	8.6	10.7	10.0	9.0	8.0	6.5	6.6	---	---	---
13	6.9	9.0	9.1	10.4	10.0	8.9	8.4	6.3	6.4	---	---	---
14	7.0	9.1	9.1	10.2	10.1	8.6	8.5	6.6	6.2	---	---	---
15	7.3	9.2	9.4	10.6	10.1	9.1	8.6	6.8	6.6	---	---	---
16	7.5	9.2	9.2	10.9	10.1	9.5	8.8	6.8	6.4	---	---	---
17	7.9	9.3	9.6	11.2	10.1	9.6	9.0	7.1	6.5	---	---	---
18	8.2	9.2	9.8	---	10.2	9.4	8.7	7.2	6.3	---	---	---
19	8.4	9.1	9.9	---	10.2	9.4	8.3	7.0	6.0	---	---	---
20	8.2	9.1	10.0	---	10.2	9.2	8.2	7.6	5.8	---	---	---
21	8.2	9.1	---	---	10.2	9.6	7.9	7.3	5.6	---	---	---
22	8.3	9.1	---	---	10.3	9.5	7.7	7.3	---	---	---	---
23	8.4	9.1	---	---	10.3	9.5	7.4	7.2	---	---	---	---
24	8.6	8.8	---	---	10.3	9.7	7.6	7.1	---	---	---	---
25	8.7	8.9	---	---	10.3	9.8	7.3	7.5	---	---	---	---
26	8.7	8.8	---	---	10.1	9.8	7.7	7.1	---	---	---	---
27	8.7	8.6	---	---	10.2	9.6	7.4	6.8	---	---	---	---
28	8.6	8.6	---	---	10.3	9.2	8.1	6.8	---	---	---	---
29	8.8	8.5	---	---	---	8.7	7.6	6.9	---	---	---	---
30	9.0	8.2	---	---	---	8.7	7.8	7.0	---	---	---	---
31	8.8	---	---	9.9	---	8.3	---	6.8	---	---	---	---
AVG.	7.3	8.8	---	---	---	9.5	8.0	7.0	---	---	---	---

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.0	20.0	15.5	---	---	9.0	13.0	18.5	23.0	25.5	28.5	29.0
2	25.5	19.5	15.5	7.0	---	9.0	13.5	19.0	22.5	25.5	28.5	29.0
3	26.0	19.0	15.5	6.0	---	9.5	14.0	19.5	22.5	25.5	29.0	28.5
4	26.0	19.0	14.5	4.5	---	10.5	14.5	20.0	22.5	25.0	28.5	27.5
5	25.5	18.0	14.5	5.0	---	10.5	14.0	20.5	23.0	25.5	28.5	---
6	26.0	17.5	14.0	---	---	11.0	14.5	20.5	23.5	25.0	29.0	---
7	25.5	16.5	13.0	---	---	12.0	14.5	20.5	24.0	25.0	28.5	---
8	26.0	16.5	13.0	---	9.5	12.0	14.5	20.5	24.0	25.0	28.0	---
9	25.0	16.0	12.0	---	9.0	12.5	15.0	21.0	24.0	25.0	28.0	---
10	25.0	15.5	11.5	---	8.5	12.5	15.0	21.0	24.0	26.5	28.0	---
11	24.5	16.0	11.5	---	8.5	12.0	16.0	21.0	24.0	27.0	28.0	---
12	24.5	15.5	11.0	5.5	8.5	13.5	16.0	21.0	24.0	27.0	28.5	---
13	24.5	15.5	11.0	6.0	8.5	13.5	16.0	21.0	24.0	27.5	28.0	---
14	24.0	15.0	11.0	6.5	9.0	14.0	16.5	21.0	24.0	27.5	28.0	---
15	24.0	15.5	10.5	6.5	9.0	14.0	15.5	21.5	24.5	28.0	28.0	---
16	23.5	15.0	10.5	5.5	9.0	14.0	---	22.0	24.5	28.0	28.0	---
17	22.5	14.5	9.5	5.5	---	14.5	15.5	22.0	24.5	28.5	28.0	---
18	22.0	15.0	8.5	---	---	14.5	15.5	22.0	24.5	28.5	28.5	---
19	22.0	15.0	8.5	---	---	14.5	15.5	22.0	24.5	29.0	28.0	---
20	21.0	15.0	8.5	---	---	15.0	16.0	22.0	24.5	28.5	28.0	---
21	22.0	15.0	---	---	---	15.0	16.5	21.5	25.0	29.0	27.5	---
22	21.5	15.5	---	---	---	15.0	16.5	22.0	---	28.5	27.5	---
23	22.0	15.0	---	---	---	14.0	17.0	22.5	---	28.5	27.5	---
24	21.5	15.5	---	---	---	14.0	17.0	22.0	---	28.0	27.5	---
25	21.5	15.5	---	---	---	14.0	17.0	22.0	---	27.5	28.0	---
26	21.5	16.0	---	---	---	13.5	17.0	22.5	---	27.5	28.0	---
27	21.5	16.5	---	---	---	12.5	17.5	22.5	---	28.0	27.5	---
28	21.0	16.0	---	---	---	12.0	17.5	22.5	25.0	28.5	28.0	---
29	20.5	16.0	---	---	---	12.5	18.0	23.0	24.0	28.0	28.0	---
30	20.0	15.5	---	---	---	12.5	18.0	23.0	25.0	28.0	29.0	---
31	20.0	---	---	9.5	---	12.5	---	22.5	---	28.5	29.0	---
AVG.	23.5	16.0	---	---	---	13.0	---	21.5	---	27.0	28.0	---

LOWER MISSISSIPPI RIVER BASIN

283

MISSISSIPPI RIVER MAIN STEM

07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA.

LOCATION.--Lat 30°17'00", long 91°13'21", T.9 S., R.12 E., St. Helena meridian, Iberville Parish, at west bank ferry landing at Plaquemine.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Chemical analyses: January 1973 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
OCT.										
04...	--	10	--	--	36	5.2	160	131	37	--
08...	--	--	51	--	--	--	160	131	39	--
16...	--	--	39	--	--	--	136	112	28	--
24...	--	--	41	--	--	--	128	105	--	--
NOV.										
02...	--	--	40	--	--	--	135	111	27	--
07...	8.2	--	42	12	26	6.6	144	118	32	--
16...	--	20	--	21	--	--	150	123	35	--
19...	--	20	--	4.8	--	--	154	126	32	66
27...	--	30	50	14	--	--	157	129	36	66
DEC.										
05...	--	--	34	9.7	--	--	111	91	25	45
12...	4.6	50	29	9.0	17	3.8	99	81	21	37
19...	--	0	33	9.0	--	--	106	87	17	35
26...	--	0	31	8.9	--	--	109	89	21	31
JAN.										
04...	--	0	35	9.8	--	--	111	91	21	41
12...	0	0	32	9.2	15	2.9	99	81	17	38
17...	--	0	27	8.1	--	--	92	75	17	35
21...	--	50	28	7.6	--	--	85	70	16	30
FEB.										
01...	--	20	23	7.5	--	--	88	72	15	30
07...	7.0	50	31	8.3	13	2.6	95	78	17	33
15...	--	--	34	8.9	--	--	101	83	15	38
20...	--	30	32	8.7	--	--	100	82	15	33
28...	--	--	--	--	--	--	--	--	--	--
MAR.										
01...	--	0	33	9.3	--	--	110	90	22	45
07...	7.0	40	33	9.8	15	2.6	108	89	17	41
13...	--	10	36	11	--	--	115	94	20	41
20...	--	70	41	12	--	--	124	102	31	49
27...	--	0	37	11	--	--	115	94	24	44
APR.										
05...	6.9	10	35	10	15	2.4	114	94	18	40
10...	--	60	34	11	15	1.9	121	99	18	41
17...	--	10	34	10	14	1.8	107	88	16	39
24...	--	40	39	11	16	2.8	118	97	19	48
MAY										
02...	--	20	39	11	17	2.5	125	103	19	42
07...	7.6	0	39	11	17	2.9	122	100	18	43
16...	--	0	43	13	26	3.1	142	118	32	51
22...	--	0	40	12	20	2.7	133	109	24	49
30...	--	30	43	14	22	3.2	124	102	27	58
JUNE										
06...	6.4	10	35	10	21	3.1	115	94	26	40
11...	--	0	35	9.6	14	3.0	119	98	18	37
19...	--	0	35	9.5	16	3.2	106	87	22	38
26...	--	0	34	13	12	4.5	111	91	15	43
JULY										
18...	4.9	10	44	13	16	3.4	134	110	170	45
AUG.										
14...	--	20	48	15	26	3.9	161	132	27	53
SEP.										
06...	3.3	30	40	13	26	3.5	149	122	25	54

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED ORTHO- PHOS- PHORUS (P) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT.									
04...	.4	.79	--	.71	--	--	22	--	--
08...	--	.36	.07	--	--	--	48	--	--
16...	--	1.3	.10	--	--	--	207	--	--
24...	--	1.4	.07	--	--	--	239	--	--
NOV.									
02...	--	.94	.07	--	--	--	295	--	--
07...	.3	1.4	.07	--	248	--	285	150	36
16...	--	1.3	--	.07	--	--	112	--	--
19...	--	1.2	--	.07	--	--	141	--	--
27...	--	.62	--	--	--	--	84	180	54
DEC.									
05...	--	1.0	.27	--	--	--	412	120	34
12...	.0	1.2	.28	--	214	176	235	110	28
19...	--	1.3	.28	--	--	--	151	120	33
26...	--	1.1	.29	--	--	--	403	110	25
JAN.									
04...	--	1.3	.29	--	--	--	219	130	37
12...	.0	1.2	.10	--	187	169	197	120	37
17...	--	1.2	.05	--	--	--	157	100	25
21...	--	--	--	--	--	--	52	100	32
FEB.									
01...	--	--	--	.03	--	--	134	100	29
07...	.2	--	--	.04	202	159	139	110	34
15...	--	.84	.04	--	--	--	108	120	39
20...	--	.86	.04	--	--	--	89	120	34
28...	--	--	--	--	--	--	--	--	--
MAR.									
01...	--	.63	.03	--	--	--	133	120	30
07...	.1	.50	.03	--	216	179	128	120	34
13...	--	--	--	--	--	--	146	140	41
20...	--	.63	.03	--	--	--	122	150	50
27...	--	1.1	.04	--	--	--	72	140	43
APR.									
05...	.2	.81	.04	--	187	184	81	130	35
10...	--	.36	.04	--	--	--	70	130	31
17...	--	.61	.03	--	--	--	89	130	38
24...	--	1.2	.03	--	--	--	160	140	46
MAY									
02...	--	.90	.05	--	--	--	145	140	40
07...	.2	.70	.04	--	234	199	79	140	43
16...	--	.81	.05	--	--	--	139	160	44
22...	--	.61	.06	--	--	--	223	150	40
30...	--	.50	.06	--	--	--	190	170	63
JUNE									
06...	.3	.95	.06	--	230	206	366	140	42
11...	--	1.4	.06	--	--	--	188	130	29
19...	--	1.1	.07	--	--	--	159	130	40
26...	--	.79	.06	--	--	--	125	140	47
JULY									
18...	.3	--	--	.29	--	0	72	160	53
AUG.									
14...	.3	--	--	.12	290	--	4	180	48
SEP.									
06...	.3	--	--	.16	244	239	62	150	28

LOWER MISSISSIPPI RIVER BASIN

285

MISSISSIPPI RIVER MAIN STEM

07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	SPECIFIC CONDUCTANCE (MICRO- MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM- COBALT UNITS)	TURBIDITY (MG/L)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)
OCT.									
04...	482	--	26.0	8	12	7.2	3.8	26000	--
08...	521	8.1	27.0	7	42	7.7	3.6	6500	380
16...	413	--	24.5	20	--	8.2	2.3	7200	580
24...	450	--	22.0	30	80	7.6	4.2	22000	2200
NOV.									
02...	386	7.7	19.5	30	105	7.9	1.4	12000	3000
07...	423	--	17.0	40	81	8.0	1.1	--	--
16...	470	--	15.0	10	60	8.9	1.4	6200	580
19...	465	7.9	15.0	10	52	9.1	5.0	2000	600
27...	492	8.0	16.5	8	--	8.0	--	2600	400
DEC.									
05...	362	7.4	14.0	40	120	7.5	1.3	13000	2200
12...	317	7.4	12.0	40	85	8.7	3.5	7400	5100
19...	311	7.5	8.5	--	90	9.6	3.1	9000	1900
26...	317	7.7	7.5	20	80	10.3	2.2	9000	900
JAN.									
04...	343	7.5	6.0	20	75	11.1	2.8	11000	200
12...	312	7.5	5.0	30	45	11.3	2.1	1800	960
17...	287	7.4	6.0	--	45	11.1	3.3	4400	750
21...	266	7.2	5.5	20	33	10.7	3.4	3200	300
FEB.									
01...	268	7.3	11.0	40	70	9.7	4.6	1600	280
07...	293	7.5	10.0	40	80	9.5	1.9	1200	120
15...	306	7.2	9.5	30	79	10.0	--	5000	--
20...	295	7.3	9.0	90	68	10.3	8.2	5300	290
28...	--	--	--	--	--	--	--	--	--
MAR.									
01...	335	7.5	10.0	30	72	10.6	2.1	2000	440
07...	325	7.5	11.5	40	87	9.4	4.2	6200	770
13...	350	7.7	--	50	--	--	--	--	--
20...	416	7.5	18.5	5	100	8.5	1.7	3000	1600
27...	369	7.6	12.5	50	78	9.2	2.9	3200	1500
APR.									
05...	344	7.5	14.0	30	71	9.5	3.3	2000	300
10...	340	7.4	15.0	20	76	8.9	1.1	3200	390
17...	354	7.6	14.5	50	80	9.3	2.9	1600	380
24...	360	7.3	17.0	5	76	8.3	3.6	1800	700
MAY									
02...	347	7.6	19.0	30	99	7.6	2.4	2000	470
07...	352	7.6	20.0	30	71	7.5	2.9	2200	750
16...	441	7.6	22.0	30	85	7.7	2.9	1500	1000
22...	391	7.6	23.0	40	101	--	1.0	9000	5700
30...	406	7.4	25.0	10	92	6.7	2.6	2500	540
JUNE									
06...	356	7.5	24.5	200	200	7.2	1.6	6000	1200
11...	341	7.6	24.0	--	107	7.7	1.8	2200	620
19...	323	7.6	25.0	90	91	7.0	2.4	2500	280
26...	313	7.6	24.0	50	110	6.7	2.8	4000	650
JULY									
18...	375	7.4	28.5	30	71	6.2	1.7	1400	650
AUG.									
14...	472	7.8	28.5	0	30	7.9	3.8	2400	320
SEP.									
06...	422	8.0	26.0	20	45	7.2	2.9	700	280

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT.									
04...	12	.0	0	6	1	0	3	.0	10
08...	--	.0	0	--	--	--	--	--	--
16...	--	.0	0	--	--	--	--	--	--
24...	--	.0	0	--	--	--	--	--	--
NOV.									
02...	--	.0	0	--	--	--	--	--	--
07...	--	.0	0	5	--	--	--	--	--
16...	--	.0	4	--	2	0	0	.0	0
19...	--	.0	0	--	1	0	1	.4	10
27...	--	.0	0	--	1	0	1	.0	0
DEC.									
05...	13	.0	0	--	1	0	1	.0	20
12...	--	.0	0	12	--	0	1	.0	20
19...	--	.0	0	--	5	1	1	.0	50
26...	--	.0	0	--	3	0	0	--	8
JAN.									
04...	--	.0	0	--	4	1	1	.0	20
12...	--	.0	6	8	5	0	--	.0	10
17...	4.5	.0	0	--	4	0	0	.0	0
21...	--	.0	0	--	3	0	1	--	0
FEB.									
01...	--	.0	8	--	4	0	4	--	0
07...	6.0	.0	8	1	0	3	0	.0	0
15...	--	.0	0	--	5	3	9	.3	20
20...	--	.0	--	--	2	5	6	.3	4
28...	--	--	1	--	--	--	--	--	--
MAR.									
01...	--	.0	4	--	0	4	1	.1	20
07...	14	.0	0	2	0	4	1	.1	10
13...	--	.0	4	--	0	0	2	.0	20
20...	--	.0	6	--	5	0	1	--	30
27...	--	.0	2	--	10	0	1	.0	20
APR.									
05...	1.5	.0	5	3	5	1	4	.0	0
10...	--	.0	6	--	4	0	4	.0	10
17...	--	.0	--	--	0	1	4	.0	20
24...	--	.0	8	--	3	14	--	.0	10
MAY									
02...	--	.0	2	--	4	1	0	.1	20
07...	10	.0	6	--	0	1	0	.2	20
16...	--	.0	0	--	1	3	0	.1	3
22...	--	.0	0	--	5	3	0	.4	10
30...	--	.0	0	--	0	1	1	.0	30
JUNE									
06...	8.9	.0	0	2	2	3	3	.0	7
11...	--	.0	0	--	0	3	3	.0	20
19...	--	.0	--	--	0	3	--	.2	0
26...	--	.0	--	--	3	6	3	.3	0
JULY									
18...	7.5	.0	--	3	1	2	3	.4	7
AUG.									
14...	4.7	.0	--	3	2	1	5	.1	30
SEP.									
06...	.9	.0	2	60	2	0	3	.1	10

LOWER MISSISSIPPI RIVER BASIN

287

MISSISSIPPI RIVER MAIN STEM

07374220 MISSISSIPPI RIVER AT UNION, LA.

LOCATION.--Lat 30°05'52", long 90°54'45", T.11 S., R.15 E., St. James Parish, near center of span on downstream side of Sunshine Bridge on State Highway 3089, 0.7 mi (1.1 km) northwest of Union.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Chemical analyses: January 1973 to September 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	ALKA- LITY AS CaCO ₃ (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)
OCT.										
04...	4.1	10	43	13	29	5.1	117	96	--	--
08...	--	10	44	14	--	--	155	127	34	--
15...	--	30	42	11	--	--	134	110	25	50
25...	--	10	--	--	--	--	128	105	--	--
NOV.										
02...	--	10	--	--	--	--	130	107	24	--
07...	6.7	20	35	10	25	4.3	138	113	25	--
16...	--	20	--	--	--	--	150	123	33	53
19...	--	20	--	--	--	--	150	123	31	--
27...	--	10	--	--	--	--	156	126	33	68
DEC.										
05...	--	100	34	9.3	--	--	112	92	26	46
12...	6.2	100	30	7.4	14	3.8	99	81	18	38
19...	--	50	33	9.2	--	--	106	87	16	37
26...	--	50	31	8.8	--	--	106	87	18	32
JAN.										
04...	--	0	35	10	--	--	112	92	20	41
12...	6.0	--	33	9.2	15	2.8	100	82	16	38
17...	--	50	28	8.3	--	--	92	75	16	35
21...	--	20	28	7.4	--	--	84	69	14	32
FEB.										
01...	--	10	29	7.7	--	--	86	71	13	29
07...	7.0	60	32	8.6	11	2.6	94	77	15	35
15...	--	90	33	9.0	--	--	106	87	13	38
20...	--	50	32	8.9	--	--	100	82	13	32
28...	--	0	34	9.4	--	--	108	89	16	36
MAR.										
07...	7.0	20	35	9.8	17	2.6	110	90	19	42
13...	--	20	35	10	--	--	115	94	19	40
20...	--	10	40	12	--	--	124	102	25	50
27...	--	10	38	11	--	--	115	94	21	44
APR.										
05...	6.9	10	35	10	13	2.2	114	94	17	40
10...	--	0	35	11	13	1.9	115	94	16	40
17...	--	10	34	10	13	1.7	106	87	14	39
24...	--	0	39	11	14	2.4	120	98	17	47
MAY										
02...	--	0	39	11	14	2.5	124	102	15	44
16...	--	0	41	13	23	2.8	140	115	28	50
22...	--	0	39	11	18	2.7	133	109	21	49
30...	--	0	40	14	20	3.2	124	102	23	56
JUNE										
06...	5.9	70	37	9.8	18	3.1	113	93	23	40
11...	--	0	34	9.8	13	3.1	119	98	16	38
19...	--	0	35	9.7	16	3.2	111	91	22	39
26...	--	10	33	9.7	15	3.3	112	92	19	34
JULY										
18...	7.3	0	44	13	24	3.3	144	118	28	43
AUG.										
14...	--	20	43	15	24	3.0	166	136	23	51

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374220 MISSISSIPPI RIVER AT UNION, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED ORTHOPHOS- PHORUS (P) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT.									
04...	.4	.78	--	.13	272	--	16	160	65
08...	--	1.0	--	.47	--	--	33	170	40
16...	--	.50	--	.10	--	--	297	150	40
25...	--	.95	--	.10	--	--	170	--	--
NOV.									
02...	--	.11	--	.10	--	--	289	--	--
07...	.2	1.3	--	.10	243	--	166	130	15
16...	--	.82	--	.10	--	--	136	--	--
19...	--	--	--	.09	--	--	7	--	--
27...	--	--	--	--	--	--	104	--	--
DEC.									
05...	--	1.1	.27	--	--	--	337	120	31
12...	.0	1.2	.27	--	219	172	304	110	24
19...	--	1.3	.29	--	--	--	201	120	33
26...	--	1.1	.29	--	--	--	109	110	27
JAN.									
04...	--	1.3	.29	--	--	--	174	130	37
12...	.1	1.2	.22	--	192	170	192	120	38
17...	--	1.2	.07	--	--	--	164	100	29
21...	--	--	--	--	--	--	40	100	31
FEB.									
01...	--	--	--	.03	--	--	133	100	34
07...	.2	--	--	.04	193	158	160	120	38
15...	--	.86	.03	--	--	--	123	120	33
20...	--	.81	.02	--	--	--	82	120	35
28...	--	.70	.03	--	--	--	107	120	35
MAR.									
07...	.1	.56	.03	--	223	187	82	130	38
13...	--	--	--	--	--	--	236	130	34
20...	--	.88	.04	--	--	--	117	150	48
27...	--	1.0	.04	--	--	--	93	140	46
APR.									
05...	.2	.90	.06	--	194	186	81	130	38
10...	--	.47	.04	--	--	--	62	130	38
17...	--	.79	.07	--	--	--	157	130	39
24...	--	1.2	.05	--	--	--	169	140	44
MAY									
02...	--	.99	.06	--	--	--	177	140	41
16...	--	.81	.06	--	--	--	134	160	41
22...	--	.72	.08	--	--	--	211	140	34
30...	--	.59	.06	--	--	--	181	160	56
JUNE									
06...	.3	1.1	.06	--	232	198	651	130	40
11...	--	1.5	.06	--	--	--	178	130	28
19...	--	1.1	.08	--	--	--	155	130	39
26...	--	.86	.07	--	--	--	179	120	30
JULY									
18...	.2	--	--	.46	260	234	215	160	45
AUG.									
14...	.4	--	--	.13	--	--	6	180	44

LOWER MISSISSIPPI RIVER BASIN

289

MISSISSIPPI RIVER MAIN STEM

07374220 MISSISSIPPI RIVER AT UNION, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)
OCT.									
04...	453	--	26.0	7	12	7.0	3.7	6500	--
08...	482	--	27.0	10	30	7.9	2.6	1500	220
16...	412	--	24.0	20	260	7.9	1.7	4400	300
25...	430	--	22.0	20	95	7.2	3.3	29000	1500
NOV.									
02...	369	--	19.5	20	100	8.1	1.6	19000	7200
07...	393	--	19.0	10	63	9.2	2.9	--	--
16...	455	--	15.0	10	60	8.9	1.5	4700	140
19...	477	--	15.0	10	42	9.5	2.7	1200	1000
27...	511	--	16.0	7	--	8.3	--	1800	120
DEC.									
05...	364	7.4	14.0	30	130	7.8	1.4	7600	2800
12...	304	7.3	12.5	30	100	8.5	3.4	11000	1300
19...	308	7.5	9.5	30	70	9.7	2.7	9000	2500
26...	303	7.5	8.0	30	80	10.2	3.7	11000	400
JAN.									
04...	339	7.5	6.0	30	100	11.4	3.1	6800	120
12...	311	7.5	5.5	40	42	10.8	2.3	700	300
17...	281	7.4	6.0	10	40	11.2	2.9	3600	400
21...	263	7.5	6.0	40	34	10.6	2.6	7000	200
FEB.									
01...	255	7.3	12.0	30	98	10.0	4.8	2200	200
07...	282	7.5	10.0	30	78	9.3	1.5	1400	480
15...	308	7.5	9.5	40	82	10.2	--	6200	5300
20...	290	7.4	9.0	20	72	10.4	7.7	1800	120
28...	316	7.6	9.5	30	82	10.4	3.9	3500	380
MAR.									
07...	331	7.6	12.0	30	80	9.1	3.8	2200	510
13...	344	7.7	--	20	--	--	--	--	--
20...	393	7.6	19.0	50	98	8.6	1.4	4700	1700
27...	357	7.4	13.0	60	80	9.2	1.3	3900	950
APR.									
05...	337	7.5	14.0	30	67	9.6	1.7	2400	250
10...	336	7.3	15.0	30	67	8.9	1.4	2400	350
17...	305	7.6	14.5	40	92	9.5	2.3	950	300
24...	345	7.6	17.0	20	80	8.3	3.9	3200	200
MAY									
02...	330	7.8	19.0	30	99	7.8	2.5	3200	470
16...	420	7.6	22.0	30	85	7.6	2.2	1500	480
22...	378	7.6	23.0	30	91	1.0	--	4200	1600
30...	395	7.3	25.0	10	92	6.7	5.4	2500	210
JUNE									
06...	339	7.4	25.0	--	180	7.0	1.2	2500	1200
11...	335	7.7	24.0	40	112	7.4	1.7	800	200
19...	323	7.6	25.0	90	103	5.6	1.4	2400	920
26...	308	7.6	24.5	70	110	6.8	5.1	1700	550
JULY									
18...	420	7.3	28.5	20	99	6.4	1.5	--	3300
AUG.									
14...	--	7.8	28.0	0	20	7.0	1.0	500	60

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374220 MISSISSIPPI RIVER AT UNION, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT.									
04...	16	.0	0	4	0	0	0	.0	30
08...	--	.0	0	--	3	0	0	.1	30
16...	--	.0	0	--	0	0	0	.0	30
25...	--	.0	0	--	0	0	0	.0	30
NOV.									
02...	--	.0	3	--	1	0	0	.0	30
07...	7.5	.0	0	8	1	1	3	.0	20
16...	--	.0	0	--	2	0	1	.0	0
19...	--	.0	0	--	2	1	4	.3	10
27...	--	.0	0	--	1	0	1	.0	10
DEC.									
05...	14	.0	4	--	--	0	12	.0	0
12...	--	.0	3	5	0	0	3	.0	10
19...	--	.0	0	--	0	1	5	.0	8
26...	--	.0	4	--	2	0	5	.0	8
JAN.									
04...	--	.0	2	--	6	0	5	.0	8
12...	--	.0	2	15	--	0	12	.0	6
17...	7.5	.0	2	--	--	0	3	.0	20
21...	--	.0	3	--	0	0	3	.0	10
FEB.									
01...	--	.0	5	--	1	1	2	.0	0
07...	5.0	.0	2	1	1	0	0	.0	0
15...	--	--	4	--	?	4	15	.4	20
20...	--	.0	0	--	0	4	7	.6	8
28...	--	.0	10	--	0	4	2	.1	10
MAR.									
07...	14	.0	7	2	0	4	1	.1	20
13...	--	.0	0	--	0	0	7	.0	20
20...	--	.0	0	--	5	0	0	.0	140
27...	--	.0	0	--	9	1	1	.0	20
APR.									
05...	2.5	.0	2	1	0	0	4	.0	0
10...	--	.0	42	--	10	0	2	.0	0
17...	--	.0	2	--	4	1	1	.0	20
24...	--	.0	3	--	2	13	13	.0	10
MAY									
02...	--	.0	8	--	5	1	0	.5	20
16...	--	.0	--	--	0	3	0	.0	3
22...	--	.0	--	--	1	0	0	.3	3
30...	--	.0	--	--	1	3	3	.0	10
JUNE									
06...	--	.0	--	4	2	3	4	.0	3
11...	--	.0	6	--	0	0	0	.0	20
19...	--	.0	0	--	5	4	--	.1	4
26...	--	.0	0	--	2	5	8	.0	0
JULY									
18...	7.1	.0	2	3	1	4	5	.4	3
AUG.									
14...	9.7	.0	2	2	2	1	5	.0	7

LOWER MISSISSIPPI RIVER BASIN

291

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA.

LOCATION.--Lat 29°56'19", long 90°21'49", St. Charles Parish, at ferry at Luling-to-Destrehan crossing, 17 mi (27.4 km) west of New Orleans.

DRAINAGE AREA.--1,243,600 mi² (3,220,900 km²), arbitrarily determined.

PERIOD OF RECORD.--Chemical analyses: October 1957 to September 1974.
Water temperatures: October 1957 to September 1972 (discontinued).

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)
OCT.										
04...	2.6	10	--	14	28	4.4	155	127	27	69
10...	--	70	--	--	--	--	160	131	36	71
16...	--	60	40	12	--	--	138	113	28	59
24...	--	20	44	13	--	--	--	--	--	--
31...	--	20	--	--	--	--	132	108	31	58
NOV.										
07...	22	20	40	10	23	5.5	142	116	25	--
16...	--	20	--	--	--	--	154	126	31	69
19...	--	10	47	13	--	--	148	121	32	64
29...	--	10	--	14	--	--	149	122	36	64
DEC.										
05...	--	150	37	9.7	--	--	116	95	29	57
12...	4.9	50	33	8.3	15	4.0	99	81	19	44
20...	--	50	33	9.0	--	--	105	86	17	39
28...	--	100	32	8.2	--	--	104	85	18	33
JAN.										
04...	--	50	35	9.8	--	--	110	90	20	40
10...	4.2	0	33	9.4	16	2.9	104	85	17	43
17...	--	0	29	8.3	--	--	93	76	15	37
21...	--	10	29	7.9	--	--	86	71	15	33
FEB.										
01...	--	80	28	7.2	--	--	85	70	13	31
06...	7.0	100	--	--	--	--	95	78	14	34
15...	--	--	33	9.2	--	--	103	84	14	37
20...	--	30	33	8.8	--	--	100	82	--	37
28...	--	10	36	9.4	--	--	108	89	16	39
MAR.										
07...	7.0	50	34	9.7	16	2.5	111	91	18	44
13...	--	30	36	10	--	--	112	92	18	43
20...	--	170	41	12	--	--	125	103	24	53
27...	--	10	39	11	--	--	116	95	21	48
APR.										
05...	6.9	20	38	10	15	2.9	--	--	19	45
11...	--	0	35	9.6	15	2.0	116	95	17	44
17...	--	0	35	11	14	2.0	107	88	15	42
25...	--	0	41	11	14	2.5	117	96	16	50
MAY										
01...	--	0	40	11	14	2.5	120	98	16	48
08...	7.4	0	39	11	14	2.8	123	101	16	43
17...	--	0	45	13	22	2.8	141	116	27	56

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED ORTHO- PHOS- PHORUS (P) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	SUS- PENDED SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT.									
04...	.8	1.4	--	.34	280	--	19	--	--
10...	--	.31	--	.24	--	--	43	--	--
16...	--	1.3	--	.14	--	--	177	150	36
24...	--	1.0	--	.15	--	--	287	160	--
31...	--	1.1	.20	--	--	--	368	--	--
NOV.									
07...	.5	1.4	.19	--	246	230	301	140	25
16...	--	1.7	--	.19	--	--	116	--	--
19...	--	1.4	--	.19	--	--	81	210	92
29...	--	1.3	--	--	--	--	141	--	--
DEC.									
05...	--	1.1	.28	--	--	--	384	130	37
12...	.3	1.2	.28	--	219	184	376	120	35
20...	--	1.3	.31	--	--	--	183	120	33
28...	--	1.1	.31	--	--	--	139	110	28
JAN.									
04...	--	1.3	.31	--	--	--	191	130	38
10...	.2	1.1	.16	--	195	182	202	120	36
17...	--	1.2	.05	--	--	--	174	110	30
21...	--	--	--	--	--	--	45	110	34
FEB.									
01...	--	--	--	.07	--	--	137	100	30
06...	.3	--	--	.08	219	--	180	--	--
15...	--	.86	.04	--	--	--	83	120	36
20...	--	.90	.03	--	--	--	105	120	37
28...	--	.68	.07	--	--	--	182	130	40
MAR.									
07...	.2	.59	.06	--	221	186	147	120	34
13...	--	--	--	--	--	--	196	130	39
20...	--	.88	.11	--	--	--	176	150	49
27...	--	1.1	.07	--	--	--	118	140	48
APR.									
05...	.2	.75	.08	--	216	--	65	140	--
11...	--	.41	.06	--	--	--	76	130	32
17...	--	.59	.08	--	--	--	164	130	45
26...	--	1.3	.08	--	--	--	110	150	52
MAY									
01...	--	.90	.10	--	--	--	169	150	47
08...	.5	.47	.07	--	262	194	298	140	42
17...	--	.63	.14	--	--	--	41	170	50

LOWER MISSISSIPPI RIVER BASIN

293

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)
OCT.									
04...	474	--	27.0	8	20	7.0	3.1	32000	>700
10...	510	--	27.0	--	30	6.0	1.0	1400	170
16...	427	--	24.0	20	70	8.0	--	3100	140
24...	474	--	22.0	20	105	7.3	5.9	--	700
31...	424	--	20.0	30	100	7.5	.7	13000	--
NOV.									
07...	403	--	19.0	20	71	8.3	2.2	--	--
16...	493	--	16.0	10	69	8.4	1.1	2700	650
19...	475	--	16.0	10	53	9.2	3.4	1700	1000
29...	485	--	15.5	10	52	8.5	--	1600	300
DEC.									
05...	401	7.4	14.5	20	120	7.7	2.4	5600	--
12...	320	7.3	11.5	30	100	8.5	4.4	4800	3300
20...	315	7.5	8.0	30	80	9.9	2.5	8000	--
28...	302	7.5	8.0	30	80	10.3	2.5	11000	1200
JAN.									
04...	338	7.5	7.0	20	95	10.8	2.3	7000	120
10...	325	7.4	6.5	50	85	10.6	8.6	5000	--
17...	288	7.5	5.5	10	45	11.2	2.7	3600	800
21...	271	7.4	6.0	30	35	10.2	2.4	2600	500
FEB.									
01...	261	7.3	10.0	30	90	9.2	4.5	2400	150
06...	285	7.4	--	40	86	9.2	1.8	1200	200
15...	305	7.2	9.0	40	79	9.8	--	5800	3500
20...	297	7.4	9.0	30	78	10.1	8.2	1600	190
28...	320	7.6	10.0	30	71	10.2	4.2	2400	140
MAR.									
07...	336	7.5	11.5	30	90	9.3	3.6	2800	--
13...	345	7.6	--	30	--	--	--	--	--
20...	403	7.4	16.5	30	88	8.5	2.4	3600	1900
27...	369	7.6	13.5	60	91	9.2	1.7	3600	880
APR.									
05...	336	7.5	14.0	30	65	9.5	2.0	2500	680
11...	342	7.4	15.5	20	74	9.8	1.5	1800	220
17...	316	7.7	15.0	40	70	9.6	2.2	1000	360
26...	349	7.6	17.0	--	75	8.3	2.3	1900	--
MAY									
01...	347	7.7	18.5	30	97	7.6	5.0	1900	1300
08...	349	7.5	20.5	30	82	7.5	2.0	2500	1300
17...	430	7.8	22.5	20	59	7.0	1.5	680	250

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT.									
04...	15	.0	0	4	1	0	5	.0	30
10...	--	.0	5	--	0	1	4	.1	10
16...	--	.0	0	--	5	0	3	.1	10
24...	--	.0	0	--	3	0	2	.1	10
31...	--	.0	0	--	0	1	3	.0	10
NOV.									
07...	--	.0	0	5	1	1	3	.0	20
16...	--	.0	0	--	0	0	0	.2	0
19...	--	.0	0	--	4	0	0	.1	10
29...	--	.0	0	--	1	0	0	.2	0
DEC.									
05...	16	.0	2	--	0	0	1	.0	20
12...	--	.0	6	1	4	1	1	.0	10
20...	--	.0	2	--	3	1	1	.0	110
26...	--	.0	2	--	10	1	3	.0	30
JAN.									
04...	--	.0	2	--	--	0	1	.1	10
10...	--	.0	5	6	8	0	3	.5	6
17...	6.5	.0	0	--	2	0	3	.0	6
21...	--	.0	7	--	1	1	3	.0	10
FEB.									
01...	--	.0	0	--	2	0	0	.0	0
06...	3.0	.0	0	1	6	0	3	.2	40
15...	--	.0	8	--	0	3	10	.3	190
20...	--	.0	0	--	3	2	7	.1	8
26...	--	.0	2	--	--	3	9	.6	0
MAR.									
07...	16	.0	5	2	0	4	1	.1	20
13...	4.0	.0	2	--	0	0	0	.1	20
20...	--	.0	0	--	6	0	1	.1	0
27...	--	.0	0	--	7	0	1	.0	20
APR.									
05...	.0	.0	4	2	0	2	6	.0	30
11...	--	.0	9	--	--	0	2	.0	10
17...	--	.0	2	--	1	0	1	.0	20
26...	--	.0	10	--	3	7	9	.1	4
MAY									
01...	--	.0	3	--	3	9	6	.1	20
08...	5.8	.0	2	3	1	8	9	.1	8
17...	--	.0	2	--	1	3	0	.1	0

LOWER MISSISSIPPI RIVER BASIN

295

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)
MAY										
30...	--	10	45	14	20	3.1	133	109	23	54
JUNE										
06...	6.5	10	38	9.7	11	3.1	111	91	21	45
11...	--	0	37	9.5	14	3.2	117	96	17	43
19...	--	40	36	10	16	3.1	106	87	20	42
26...	--	0	33	9.6	12	3.0	115	94	15	32
JULY										
17...	6.9	0	42	11	15	3.4	130	107	17	47
AUG.										
14...	2.8	--	54	15	23	2.9	162	133	23	61
SEP.										
05...	3.2	0	45	17	46	3.0	147	121	65	62

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED ORTHO. PHOS- PHORUS (P) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
MAY									
30...	--	.72	.15	--	--	--	212	170	61
JUNE									
06...	6.0	.95	.14	--	245	190	418	130	44
11...	--	1.4	.10	--	--	--	259	130	36
19...	--	1.1	.11	--	--	--	181	130	44
26...	--	.38	.09	--	--	--	172	120	28
JULY									
17...	.2	--	--	.24	228	207	89	150	44
AUG.									
14...	.8	--	--	.21	292	263	1	200	67
SEP.									
05...	.8	--	--	.24	324	314	8	180	59

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)
MAY									
30...	408	6.8	24.5	7	87	6.9	1.6	1600	580
JUNE									
06...	348	7.3	25.0	--	150	7.2	2.9	4000	1200
11...	345	7.7	24.5	50	120	7.3	1.3	2200	130
19...	322	7.6	25.0	40	91	6.0	3.0	7100	400
26...	301	7.8	24.0	50	92	7.4	3.4	600	400
JULY									
17...	363	7.2	29.0	20	73	6.2	2.4	700	480
AUG.									
14...	476	8.1	28.5	0	20	6.6	1.7	1500	140
SEP.									
05...	452	7.7	28.0	20	30	6.7	1.6	--	70

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
MAY									
30...	--	.0	--	--	0	2	1	.0	10
JUNE									
06...	--	.0	--	2	4	4	5	.0	7
11...	--	.0	--	--	0	0	0	.1	10
19...	--	.0	--	--	2	2	7	.3	50
26...	--	.0	0	--	2	5	8	.4	0
JULY									
17...	6.5	.0	0	1	1	1	8	.0	0
AUG.									
14...	4.7	.0	0	3	2	1	--	.1	20
SEP.									
05...	7.3	.0	6	--	2	2	--	.0	10

LOWER MISSISSIPPI RIVER BASIN

297

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA.

LOCATION.--Lat 29°57'03", long 90°08'17", at Jefferson-Orleans Parish line at Carrollton Street Municipal Water Plant.

DRAINAGE AREA.--1,243,600 mi² (3,220,900 km²), arbitrarily determined.

PERIOD OF RECORD.--Chemical analyses: Water years 1967-68 (partial-record station), October 1968 to September 1974.

Water temperatures: November 1970 to September 1974.

REMARKS.--Continuous recorder at this station. Probes are 8 ft (2m) above bottom of river.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
OCT.											
31...	--	--	34	15	28	4.6	136	112	60	.7	.17
NOV.											
15...	--	10	--	--	32	5.9	150	123	64	.6	.09
DEC.											
06...	--	--	31	13	23	4.1	112	92	50	.5	.08
JAN.											
21...	6.6	--	30	8.7	11	2.8	88	72	34	.4	.08
FEB.											
14...	--	--	--	--	--	--	101	83	40	.1	--
MAR.											
21...	7.4	--	41	12	19	3.0	124	102	50	--	.24
APR.											
11...	6.5	10	36	9.6	14	2.0	116	95	43	.3	.19
MAY											
30...	5.9	--	41	13	20	3.0	130	107	53	.5	.38
JUNE											
12...	5.7	--	36	9.5	13	3.0	119	98	40	.5	.39
JULY											
18...	7.2	0	43	12	15	3.3	130	107	45	.2	.25
AUG.											
15...	2.1	--	54	14	23	3.5	164	135	60	.8	.43
SEP.											
05...	3.0	--	47	14	26	3.3	142	116	61	.8	.43

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (UG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.											
31...	--	1.3	--	--	.57	1.9	266	--	150	35	436
NOV.											
15...	--	--	--	--	1.3	1.4	283	277	170	43	483
DEC.											
06...	--	.50	--	--	.75	1.3	222	202	130	38	375
JAN.											
21...	.72	--	.00	.00	--	--	168	152	110	38	270
FEB.											
14...	.10	--	.00	--	--	--	198	--	--	--	305
MAR.											
21...	.63	.04	.69	.92	--	--	242	220	150	50	405
APR.											
11...	.54	.55	.00	.49	--	--	204	186	130	34	341
MAY											
30...	.93	.93	.00	.44	--	--	245	223	160	49	404
JUNE											
12...	1.4	1.4	.00	.23	--	--	222	183	130	31	341
JULY											
18...	--	2.1	.22	1.7	1.9	4.0	214	207	160	50	376
AUG.											
15...	--	1.3	.15	.73	.88	2.2	--	261	190	55	481
SEP.											
05...	--	.67	.07	.47	.56	1.5	260	253	180	64	458

LOWER MISSISSIPPI RIVER BASIN

299

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	SILVER (UG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)
NOV. 16...	.01	4	--	--	<10	--	0	20	10
JAN. 21...	--	2	2	0	0	0	0	8	--
APR. 11...	--	8	3	5	1	1	0	6	7
MAY 30...	--	--	--	--	--	--	--	--	--
JULY 18...	--	6	5	1	1	1	0	8	3
AUG. 15...	.01	--	--	--	--	--	--	--	--
SEP. 05...	--	--	--	--	--	--	--	--	--

DATE	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
NOV. 16...	<100	2	.1	.0	4	6	30	--	30
JAN. 21...	--	--	--	.0	0	8	10	--	--
APR. 11...	32	1	.0	.0	11	5	30	20	10
MAY 30...	--	--	--	--	--	--	--	--	--
JULY 18...	18	3	.0	.0	5	4	30	30	0
AUG. 15...	--	--	--	--	--	--	--	--	--
SEP. 05...	--	--	.5	--	--	--	--	--	--

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) • WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	465	497	473	327	---	---	322	307	344	283	412	386
2	465	492	453	331	---	---	320	304	342	291	413	388
3	443	494	380	333	---	---	314	303	326	300	412	386
4	451	491	336	341	---	---	310	302	308	307	425	390
5	448	495	---	345	---	346	306	300	298	316	426	402
6	460	492	---	342	---	339	302	302	298	321	428	404
7	470	509	393	334	---	334	299	302	303	324	435	394
8	487	502	395	338	295	---	299	310	302	329	446	385
9	494	505	342	330	297	---	300	316	302	332	437	388
10	515	489	334	325	301	---	300	331	300	335	441	386
11	519	485	325	339	304	---	292	337	297	338	455	377
12	---	501	319	339	303	309	306	343	294	337	455	373
13	---	508	312	337	295	315	312	348	301	332	452	367
14	---	---	312	334	298	335	313	351	303	329	446	346
15	---	---	312	325	298	336	307	359	293	330	451	363
16	430	---	313	317	307	340	293	370	286	333	448	381
17	421	---	312	306	305	336	283	384	284	336	456	391
18	415	---	313	300	302	340	285	391	285	340	454	390
19	407	---	440	300	300	344	292	388	284	349	451	396
20	399	---	436	293	---	347	302	379	294	355	448	407
21	396	---	307	285	---	361	305	367	292	355	445	405
22	405	---	300	282	---	366	311	359	290	363	442	405
23	420	---	361	271	---	363	316	354	287	370	438	408
24	467	521	352	272	---	362	316	350	284	370	435	415
25	470	523	298	282	---	355	313	350	281	378	434	413
26	455	526	306	283	---	341	312	354	280	375	434	411
27	435	521	309	268	---	332	308	356	279	358	424	408
28	438	505	306	259	---	331	312	---	278	360	407	399
29	455	482	309	258	---	328	313	347	278	367	396	410
30	450	475	317	282	---	329	310	347	280	373	400	418
31	445	---	324	---	---	325	---	340	---	391	393	---
AVG.	---	---	---	---	---	---	306	---	296	341	434	393

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER • WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	7.0	8.8	11.1	---	---	9.9	7.3	6.3	6.3	5.7	8.6
2	6.0	6.8	8.4	11.1	---	---	9.3	7.1	6.1	6.4	5.7	8.5
3	6.1	6.7	---	11.0	---	---	9.4	7.1	6.0	6.5	5.7	8.4
4	6.0	6.7	---	11.1	---	---	9.6	7.0	6.0	6.5	5.8	7.8
5	6.0	6.9	---	11.2	---	11.0	10.0	6.8	6.3	6.5	5.7	7.7
6	6.0	7.0	---	11.1	---	11.0	9.6	6.8	6.5	6.5	5.6	7.4
7	6.0	7.1	8.1	11.2	---	10.6	9.2	6.6	6.7	6.5	5.6	7.5
8	6.2	6.9	7.3	11.3	9.8	10.7	9.0	6.6	6.7	6.6	5.7	7.1
9	6.8	7.4	8.2	11.3	9.8	11.0	9.2	6.6	6.8	6.6	5.8	7.0
10	6.8	7.6	8.3	11.5	9.8	10.5	9.3	6.6	6.7	6.6	6.0	6.9
11	6.8	7.7	8.4	---	9.9	10.3	9.3	6.6	6.7	6.5	6.2	6.8
12	---	7.9	8.4	---	9.9	10.7	9.7	6.5	6.5	6.4	6.3	6.7
13	---	8.1	8.4	---	9.7	10.8	9.8	6.6	6.4	6.3	6.5	6.6
14	---	8.0	8.6	---	9.7	10.8	9.7	6.6	6.4	6.3	6.8	6.5
15	---	8.0	8.7	---	10.1	10.8	9.5	6.8	6.2	6.3	7.1	6.4
16	6.1	8.2	9.0	---	10.2	10.9	9.2	6.8	6.1	6.2	7.6	6.4
17	6.3	8.4	9.1	---	10.2	11.0	8.9	6.9	5.6	6.1	7.6	6.3
18	6.5	8.8	9.1	---	10.2	11.2	8.6	6.8	5.4	6.0	7.8	6.4
19	6.6	8.8	9.2	---	10.5	11.4	8.0	6.7	5.4	5.9	7.8	6.5
20	6.7	9.0	9.5	---	10.2	10.9	8.0	6.6	5.5	5.7	7.6	6.7
21	6.8	9.0	9.6	---	9.6	10.3	8.1	6.7	5.5	5.6	---	6.7
22	6.9	9.4	9.6	---	9.8	10.5	8.1	6.7	5.3	5.5	7.9	6.8
23	6.7	9.0	9.8	---	9.6	10.1	8.0	6.6	5.5	5.4	7.7	7.0
24	5.9	9.1	9.9	---	9.4	10.3	7.9	6.5	5.6	5.4	7.7	7.1
25	6.3	9.1	10.0	11.5	10.2	10.6	7.8	6.5	6.0	5.2	7.9	7.2
26	6.5	9.1	10.1	11.4	---	10.4	7.7	6.5	6.0	5.1	8.0	7.2
27	6.6	9.0	10.4	11.4	---	10.4	7.7	6.5	6.3	5.2	7.9	7.3
28	6.9	9.1	10.8	11.6	---	10.2	7.7	---	6.3	5.2	8.1	7.3
29	7.2	9.0	10.7	11.0	---	9.5	7.6	6.3	6.2	5.3	8.6	7.3
30	7.3	8.9	10.8	10.7	---	9.8	7.5	6.3	6.2	5.4	8.6	7.4
31	7.0	---	10.8	---	---	9.6	---	6.3	---	5.6	8.6	---
AVG.	---	8.1	---	---	---	---	8.8	6.7	6.1	6.0	---	7.1

LOWER MISSISSIPPI RIVER BASIN

301

MISSISSIPPI RIVER MAIN STEM

07374508 MISSISSIPPI RIVER AT NEW ORLEANS, LA.--Continued

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.0	20.5	16.0	9.0	---	---	12.5	17.5	23.5	25.0	29.5	28.5
2	26.0	20.5	16.0	8.5	---	---	12.5	18.0	23.5	25.0	29.5	28.5
3	26.0	21.0	---	8.5	---	---	13.0	18.5	23.5	25.0	29.0	28.5
4	25.5	20.5	---	8.0	---	---	13.0	18.5	23.5	25.5	29.0	28.5
5	26.0	20.5	---	7.5	---	10.0	13.5	19.5	23.5	25.5	29.0	28.5
6	26.0	---	---	6.5	---	10.0	13.5	20.0	24.0	25.5	29.0	28.5
7	26.0	---	---	6.5	---	10.5	13.5	20.0	24.5	25.5	29.0	27.5
8	26.0	---	13.5	6.0	10.0	10.5	14.0	20.5	24.5	25.5	29.0	26.5
9	26.0	---	13.0	5.5	9.5	11.0	15.0	20.5	24.5	25.5	29.0	25.5
10	26.0	---	12.5	5.5	9.0	11.5	15.0	20.5	24.5	26.0	29.0	25.5
11	26.0	---	12.0	6.0	9.0	12.0	15.5	20.5	24.5	26.0	28.5	25.5
12	---	---	11.5	5.5	9.0	12.5	15.0	21.0	24.5	26.5	28.5	26.0
13	---	---	11.5	6.0	9.0	12.0	15.5	21.0	24.5	27.0	28.5	26.0
14	---	---	11.5	6.0	9.0	11.5	15.5	21.0	24.0	27.0	29.0	26.0
15	---	---	11.5	6.0	9.0	12.0	15.0	21.0	24.0	27.5	29.0	26.5
16	24.0	---	11.0	6.0	9.0	12.5	15.0	21.5	24.5	27.5	29.0	26.5
17	23.5	---	10.5	6.0	8.5	13.5	15.5	21.5	24.5	28.0	29.0	26.5
18	23.0	---	10.0	6.0	8.5	14.0	15.5	21.5	24.5	28.0	29.0	26.5
19	22.5	---	10.0	5.5	8.5	14.5	15.5	22.0	24.5	28.5	29.0	26.5
20	22.0	---	9.0	6.0	9.0	14.0	15.5	22.0	25.5	28.5	29.0	26.5
21	21.5	15.0	9.0	6.0	9.0	14.5	16.0	22.0	25.5	28.5	29.0	26.5
22	21.5	15.0	8.5	6.5	8.5	14.0	16.0	22.0	26.0	29.0	29.0	26.5
23	21.5	15.0	8.5	7.0	8.5	14.0	16.0	22.0	26.0	29.0	28.5	26.0
24	21.5	15.5	8.5	7.5	9.0	13.5	16.5	22.5	26.0	29.0	29.0	25.5
25	21.5	15.5	9.0	7.5	9.0	13.0	16.5	23.0	26.0	29.5	28.5	25.0
26	21.5	15.5	8.5	7.5	---	12.5	17.0	23.0	25.0	29.5	28.5	24.5
27	21.5	16.0	8.5	7.5	---	12.0	17.0	22.5	24.5	29.5	28.0	24.0
28	21.5	16.0	8.5	7.5	---	11.5	17.0	22.0	24.5	29.5	28.0	24.0
29	---	16.0	8.5	---	---	11.5	17.5	23.5	24.5	29.5	28.0	24.0
30	---	16.0	8.5	---	---	11.5	17.5	23.5	25.0	29.5	28.5	23.5
31	---	---	9.0	---	---	12.0	---	23.5	---	29.5	28.5	---
AVG.	---	---	10.5	---	---	---	15.0	21.0	24.5	27.5	29.0	26.0

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374522 MISSISSIPPI RIVER AT VIOLET, LA.

LOCATION.--Lat 29°52'52", long 89°54'02", T.14 S., R.13 E., St. Bernard Parish, 300 ft (91 m) from left bank at village of River Bend, 1.0 mi (1.6 km) south of Violet.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Chemical analyses: January to September 1974.

REMARKS.--Samples are collected at surface and 50 ft (15 m) below surface.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)
OCT.										
04...	3.6	20	44	14	29	5.4	163	134	30	66
04...	4.2	10	46	14	31	5.0	160	131	29	62
11...	--	10	47	16	--	--	160	131	41	64
11...	--	10	48	14	--	--	159	130	38	61
17...	--	30	42	15	--	--	135	111	30	54
17...	--	30	37	14	--	--	135	111	29	53
25...	--	20	43	14	--	--	127	104	52	51
25...	--	20	38	14	--	--	127	104	52	50
NOV.										
01...	--	20	46	9.6	--	--	132	108	32	56
08...	10	10	39	11	28	6.4	140	115	31	49
08...	--	20	44	15	--	--	141	116	29	49
15...	--	10	48	21	--	--	152	125	40	57
19...	--	0	48	21	--	--	148	121	33	62
29...	--	10	50	14	--	--	150	123	34	61
29...	--	10	50	17	--	--	153	126	34	64
DEC.										
06...	--	100	36	9.5	--	--	114	94	31	50
06...	--	100	37	10	--	--	116	95	31	53
11...	3.5	0	33	8.8	18	3.9	101	83	20	47
20...	--	0	34	9.0	--	--	106	87	18	41
27...	--	100	32	8.9	--	--	106	87	19	33
27...	--	100	33	8.8	--	--	107	88	17	34
JAN.										
03...	--	0	34	9.3	--	--	112	92	21	37
10...	3.2	0	32	9.2	16	3.1	105	86	18	41
17...	--	0	29	8.6	--	--	95	78	17	38
24...	--	30	28	7.3	--	--	80	66	14	32
31...	--	20	28	7.0	--	--	83	68	13	30
31...	--	40	28	6.8	--	--	82	67	13	30
FEB.										
07...	7.0	--	31	8.2	10	2.6	94	77	15	34
07...	7.0	110	32	8.4	11	2.6	95	78	15	34
14...	--	--	34	9.1	--	--	100	82	15	39
21...	--	10	33	8.9	--	--	100	82	14	35
21...	--	50	33	8.9	--	--	100	82	13	35
28...	--	110	35	9.3	--	--	106	87	16	39
MAR.										
06...	7.2	30	37	10	18	2.4	114	94	25	41
14...	--	0	37	10	--	--	113	93	19	43
29...	--	0	38	11	--	--	115	94	22	48
APR.										
04...	7.2	40	35	11	15	2.4	114	94	18	44
04...	6.8	10	36	11	15	2.4	114	94	18	44
MAY										
02...	--	0	39	11	13	2.4	116	95	15	46
02...	--	30	40	11	14	2.5	126	103	15	49
JUNE										
05...	6.5	0	38	10	18	3.0	113	93	22	49
05...	7.2	10	38	10	18	3.2	112	92	22	54
JULY										
18...	7.1	0	26	12	17	3.2	129	106	21	46
18...	--	--	--	--	--	--	--	--	--	--
AUG.										
16...	1.9	--	55	15	25	3.3	162	133	24	61
16...	2.1	--	53	15	30	3.3	163	134	29	61
SEP.										
11...	4.2	10	45	13	26	3.1	143	117	24	66
11...	4.2	10	48	14	26	3.1	144	118	26	65

NOTE.--Days when only one sample listed, collection made at surface.

LOWER MISSISSIPPI RIVER BASIN

303

MISSISSIPPI RIVER MAIN STEM

07374522 MISSISSIPPI RIVER AT VIOLET, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED ORTHOPHOS- PHORUS (P) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	SUS- PENDEO SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
OCT.										
04...	.9	.86	--	.24	274	277	10	170	34	490
04...	.9	.93	--	.23	276	275	21	170	41	485
11...	--	.81	--	.24	--	--	32	180	52	518
11...	--	.87	--	.22	--	--	58	180	47	520
17...	--	2.0	--	.13	--	--	202	170	56	431
17...	--	1.8	--	.18	--	--	312	150	39	428
25...	--	1.4	--	.14	--	--	91	170	61	484
25...	--	.63	--	.15	--	--	152	150	48	484
NOV.										
01...	--	1.4	--	.18	--	--	279	150	46	432
08...	.6	1.5	--	.20	253	251	308	140	28	422
08...	--	1.3	--	.18	--	--	280	170	56	426
15...	--	1.5	--	.17	--	--	100	210	82	489
19...	--	1.3	--	.25	--	--	58	210	85	478
29...	--	1.9	--	--	--	--	74	180	59	497
29...	--	1.2	--	--	--	--	133	190	69	494
DEC.										
06...	--	1.2	.29	--	--	--	477	130	36	396
06...	--	1.1	.28	--	--	--	521	130	38	402
11...	.1	1.2	.30	--	197	190	298	120	36	334
20...	--	1.3	.32	--	--	--	225	120	35	322
27...	--	1.2	.31	--	--	--	138	120	30	306
27...	--	1.1	.31	--	--	--	227	120	31	308
JAN.										
03...	--	1.2	.30	--	--	--	188	120	31	333
10...	.3	1.2	.14	--	198	180	184	120	32	329
17...	--	1.2	.07	--	--	--	213	110	30	294
24...	--	--	--	.00	--	--	106	100	34	261
31...	--	--	--	.05	--	--	101	99	31	256
31...	--	--	--	.03	--	--	169	98	31	256
FEB.										
07...	.2	--	--	.06	192	155	260	110	34	286
07...	.3	--	--	.06	204	157	222	110	37	287
14...	--	.84	.03	--	--	--	175	120	40	312
21...	--	.93	.04	--	--	--	173	120	37	297
21...	--	.97	.04	--	--	--	192	120	37	296
28...	--	.70	.04	--	--	--	163	130	39	320
MAR.										
06...	.2	.59	.06	--	213	200	83	130	40	343
14...	--	--	--	--	--	--	71	130	41	347
29...	--	.99	.07	--	--	--	121	140	46	370
APR.										
04...	.4	.59	.09	--	203	189	160	130	39	352
04...	.3	.70	.11	--	207	190	93	140	42	352
MAY										
02...	--	.79	.09	--	--	--	139	140	48	338
02...	--	.99	.09	--	--	--	179	150	42	340
JUNE										
05...	.5	1.0	.13	--	247	208	208	140	43	353
05...	.4	1.0	.17	--	248	213	452	140	44	354
JULY										
18...	.2	--	--	.33	204	196	296	110	9	379
18...	--	--	--	.35	--	--	--	--	--	--
AUG.										
16...	.8	--	--	.29	358	266	0	200	67	498
16...	1.1	--	--	.27	364	275	0	190	56	494
SEP.										
11...	.6	--	--	.31	--	252	10	170	53	452
11...	.6	--	--	.36	274	258	65	180	62	454

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374522 MISSISSIPPI RIVER AT VIOLET, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.									
04...	--	26.5	6	10	7.7	3.0	42000	250	16
04...	7.8	26.5	7	27	7.7	2.5	13000	1000	12
11...	--	26.0	10	27	7.1	1.9	15000	2900	--
11...	--	27.0	8	35	7.4	1.4	12000	1800	--
17...	--	24.0	20	87	6.9	4.1	19000	200	--
17...	--	24.0	20	100	6.9	3.9	22000	900	--
25...	--	21.5	20	60	7.0	2.2	23000	1800	--
25...	--	21.5	10	47	7.3	1.4	16000	1600	--
NOV.									
01...	--	20.5	10	110	7.4	.6	49000	8000	--
08...	--	22.0	20	100	8.0	2.0	--	3500	13
08...	--	22.0	10	110	7.9	--	--	2800	--
15...	--	16.0	10	56	8.3	1.4	13000	--	--
19...	--	16.0	10	53	9.2	1.5	4400	1600	--
29...	--	16.0	10	53	9.2	--	9000	3000	--
29...	--	16.0	8	54	9.3	--	10000	2000	--
DEC.									
06...	7.4	14.0	20	130	8.7	1.2	8600	1000	16
06...	7.4	14.0	30	140	8.7	1.0	1500	800	16
11...	7.3	12.0	30	90	8.8	2.4	--	5200	--
19...	--	11.0	--	110	9.5	2.9	--	6000	--
20...	7.6	8.5	30	110	9.7	2.0	6000	1000	--
27...	7.5	8.0	40	80	9.9	2.5	9000	4000	--
27...	7.6	8.0	40	90	10.2	2.4	8500	4000	--
JAN.									
03...	7.5	8.5	20	80	10.7	3.7	2600	360	--
10...	7.5	6.0	20	44	10.7	8.1	9500	--	--
17...	7.4	5.5	10	45	10.5	1.6	6000	1100	7.0
24...	7.3	5.5	50	100	8.9	2.9	1200	350	--
31...	7.2	9.0	30	100	9.6	3.8	25000	380	--
31...	7.2	9.0	30	135	9.6	3.1	5800	680	--
FEB.									
07...	7.5	10.5	30	96	9.4	.9	150	--	7.5
07...	7.2	10.5	30	100	9.4	1.8	1800	300	--
14...	7.2	9.5	40	81	10.1	3.4	4200	1200	--
21...	7.6	10.5	5	84	10.1	8.9	8900	260	--
21...	7.6	10.5	--	73	10.0	8.5	5200	120	--
28...	7.4	9.5	20	92	10.4	3.3	4200	1100	--
MAR.									
06...	7.4	12.0	30	84	9.5	4.7	5100	1400	14
14...	7.5	--	50	--	--	--	--	--	--
29...	7.5	12.5	70	90	9.0	--	3500	1600	--
APR.									
04...	7.4	15.5	5	82	10.1	2.3	4200	240	2.5
04...	7.3	15.0	5	73	9.3	2.2	5000	350	--
MAY									
02...	8.1	19.0	30	103	7.8	2.0	9000	2000	--
02...	8.1	19.0	40	91	7.9	1.8	7000	1500	--
JUNE									
05...	7.4	24.5	--	200	--	--	8800	1400	--
05...	7.4	25.0	--	200	7.4	2.0	7800	1200	--
JULY									
18...	7.2	28.5	30	82	6.0	1.9	14000	2400	5.7
18...	--	28.5	--	97	5.2	1.7	12000	8000	7.8
AUG.									
16...	7.8	29.0	20	20	7.4	--	26000	1900	5.2
16...	7.9	30.0	5	15	7.4	3.4	29000	1800	5.2
SEP.									
11...	--	25.5	20	40	7.2	.6	7100	800	8.2
11...	8.1	25.5	20	65	7.6	1.0	4600	--	6.1

LOWER MISSISSIPPI RIVER BASIN

305

MISSISSIPPI RIVER MAIN STEM

07374522 MISSISSIPPI RIVER AT VIOLET, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	DEPTH (FT)
OCT.										
04...	.00	0	6	0	1	0	2	.0	20	--
04...	.00	5	6	1	1	0	3	.0	30	50
11...	.00	0	--	--	1	0	3	.0	10	--
11...	.00	0	--	0	1	0	3	.0	30	50
17...	.00	0	--	0	1	0	2	.0	0	--
17...	.01	11	--	2	1	0	5	.0	10	50
25...	.00	2	--	1	0	0	2	.1	10	--
25...	.01	0	--	0	1	0	3	.0	10	50
NOV.										
01...	.00	10	--	0	1	0	2	.0	10	--
08...	.01	0	--	2	1	0	1	.0	10	50
08...	.00	9	--	2	1	0	3	.0	10	--
15...	.00	0	--	1	0	0	0	.0	0	--
19...	.01	0	--	--	--	0	3	.2	0	--
29...	.00	0	--	3	0	0	1	.1	0	--
29...	.00	0	--	3	0	0	1	.1	20	50
DEC.										
06...	.01	0	--	0	0	0	0	.0	10	--
06...	.00	0	--	12	0	0	6	.0	8	50
11...	.00	1	12	5	0	0	0	.0	20	--
20...	.00	2	--	1	1	0	0	.0	8	--
27...	.00	0	--	3	0	0	0	.0	20	--
27...	.01	1	--	7	1	0	5	.0	10	50
JAN.										
03...	.00	0	--	0	1	0	0	.0	10	--
10...	.01	3	22	1	2	0	0	.3	0	--
17...	.00	4	0	7	0	0	5	.1	10	--
24...	.01	0	--	1	1	0	0	.1	30	--
31...	.00	0	--	0	0	0	0	.0	0	--
31...	.00	19	--	5	0	0	0	.0	20	50
FEB.										
07...	.00	4	0	3	1	0	1	--	20	--
07...	.01	9	0	0	1	0	0	--	0	50
14...	.00	11	--	8	3	0	5	.2	40	--
21...	.00	0	--	5	7	0	7	.2	0	--
21...	.00	0	--	0	4	0	7	.2	10	50
28...	.00	4	--	5	4	0	9	.5	6	--
MAR.										
06...	.00	2	--	0	5	0	16	1.2	0	--
14...	.00	0	--	5	0	0	5	.1	20	--
29...	.00	2	--	--	1	0	1	.0	20	--
APR.										
04...	.00	19	2	8	0	0	3	.0	10	--
04...	.00	14	1	--	1	0	0	.0	10	50
MAY										
02...	.00	0	--	4	12	0	10	.1	10	--
02...	.00	7	--	5	11	0	16	.2	30	50
JUNE										
05...	.00	--	1	0	3	0	5	.0	3	--
05...	.00	--	2	0	3	0	5	.0	10	50
JULY										
18...	.00	0	2	1	1	0	0	.1	7	--
18...	--	1	--	--	--	--	--	--	--	50
AUG.										
16...	.00	3	2	2	0	0	1	.1	0	50
16...	.00	3	0	2	0	0	1	.1	0	50
SEP.										
11...	.00	0	1	2	0	0	0	.1	20	--
11...	.00	0	2	2	0	0	0	.1	20	50

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA.

LOCATION.--Lat 29°16'33", long 89°21'10", T.21 S., R.31 E., Plaquemines Parish, near center of river at mile 10.7 (17.2 km) at Venice.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Chemical analyses: January to 1973 to September 1974 (partial-record station).

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)
OCT.										
04...	1.6	10	--	--	--	2.8	165	135	130	79
10...	--	--	47	15	--	--	162	133	35	65
17...	--	--	37	12	--	--	150	123	27	67
24...	--	--	34	10	--	--	131	107	27	55
30...	--	--	39	11	--	--	133	109	36	59
NOV.										
07...	6.9	20	37	11	26	5.0	133	109	29	46
15...	--	10	35	12	--	--	153	126	38	54
19...	--	20	43	19	--	--	147	121	36	60
28...	--	10	--	--	--	--	159	130	39	81
DEC.										
05...	--	50	35	11	--	--	127	104	42	56
11...	6.9	50	32	9.1	19	4.1	102	84	20	51
19...	--	0	31	9.5	--	--	106	87	18	40
27...	--	50	30	9.1	--	--	106	87	19	34
JAN.										
03...	--	50	31	9.5	--	--	111	91	21	37
17...	--	--	30	8.6	--	--	96	79	17	41
24...	--	50	28	7.3	--	--	85	70	14	31
31...	--	40	27	6.8	--	--	82	67	13	29
FEB.										
06...	6.9	50	31	8.2	11	2.6	93	76	15	33
14...	--	--	33	9.2	--	--	101	83	15	38
20...	--	30	33	8.7	--	--	103	84	15	37
MAR.										
01...	--	0	35	9.3	--	--	110	90	16	39
06...	7.3	20	38	10	19	2.8	115	94	21	46
14...	--	30	35	10	--	--	111	91	18	43
21...	--	10	41	12	--	--	126	103	23	51
30...	7.4	20	37	11	17	2.9	113	93	21	47
APR.										
04...	7.3	0	35	11	17	2.6	116	95	19	46
10...	--	0	35	12	15	2.0	114	94	28	42
17...	--	0	38	9.9	14	2.0	115	94	17	44
MAY										
01...	--	0	39	11	15	2.5	120	98	17	47
08...	6.5	50	38	11	15	2.8	118	97	17	46
17...	--	0	42	12	21	3.0	131	107	26	50
22...	--	10	45	13	22	2.9	140	115	27	54
30...	--	0	42	14	19	3.1	132	108	21	56

LOWER MISSISSIPPI RIVER BASIN

307

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED ORTHO. PHOS- PHORUS (P) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	SUS- PENDED SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT.									
04...	.8	1.7	--	--	535	--	7	--	--
10...	--	.71	--	.24	--	--	21	180	46
17...	--	1.4	--	.15	--	--	160	140	19
24...	--	1.4	--	.17	--	--	197	130	19
30...	--	1.2	--	.20	--	--	77	140	34
NOV.									
07...	.7	1.5	--	.18	242	234	130	140	29
15...	--	1.1	--	.16	--	--	88	140	14
19...	--	1.6	--	.16	--	--	49	190	65
28...	--	1.7	--	--	--	--	93	--	--
DEC.									
05...	--	--	.09	--	--	--	342	140	31
11...	.5	1.1	.18	--	199	198	262	120	34
19...	--	1.3	.15	--	--	--	189	120	30
27...	--	1.2	.23	--	--	--	171	110	25
JAN.									
03...	--	.99	.16	--	--	--	171	120	25
17...	--	1.2	.08	--	--	--	266	110	32
24...	--	--	--	.00	--	--	123	100	30
31...	--	--	--	.04	--	--	196	95	28
FEB.									
06...	.3	--	--	.06	192	154	250	110	35
14...	--	.77	.03	--	--	--	195	120	37
20...	--	.95	.03	--	--	--	172	120	34
MAR.									
01...	--	1.3	.06	--	--	--	154	130	35
06...	.3	.63	.08	--	--	201	84	140	42
14...	--	--	--	--	--	--	146	130	40
21...	--	.95	.08	--	--	--	169	150	48
30...	.4	1.2	.05	--	221	199	75	140	45
APR.									
04...	.3	.90	.08	--	210	196	129	140	40
10...	--	.50	.06	--	--	--	112	140	46
17...	--	.72	.06	--	--	--	235	140	41
MAY									
01...	--	1.1	.08	--	--	--	139	140	44
08...	.4	.99	.06	--	240	195	158	140	43
17...	--	.84	.08	--	--	--	88	150	47
22...	--	.50	.17	--	--	--	246	170	51
30...	--	.97	.10	--	--	--	215	160	54

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	SPECIFIC CONDUCTANCE (MICRO- MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- IDITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)
OCT.									
04...	896	--	27.0	30	15	6.9	3.9	--	--
10...	504	--	27.0	7	10	6.8	1.5	6400	2500
17...	486	--	24.0	10	60	6.2	--	9000	200
24...	409	--	22.0	10	90	7.2	3.0	--	--
30...	446	--	21.5	10	42	6.9	1.2	5500	--
NOV.									
07...	406	--	21.0	30	71	7.5	1.7	--	--
15...	485	--	17.0	10	54	8.2	1.2	4400	--
19...	485	--	16.5	--	50	9.0	5.5	700	640
28...	535	--	17.0	5	53	8.3	--	2400	2000
DEC.									
05...	461	7.6	14.5	9	70	7.6	1.5	3400	760
11...	339	7.5	12.5	10	120	8.2	2.1	2220	--
19...	321	7.5	11.0	10	110	9.5	2.9	6000	1100
27...	308	7.4	9.0	9	80	10.4	2.6	2300	1200
JAN.									
03...	331	7.4	10.0	10	80	10.5	2.6	3300	240
17...	305	7.4	5.0	20	45	11.3	3.0	4000	900
24...	258	7.5	6.0	40	90	8.7	3.1	1800	200
31...	254	7.2	10.0	30	89	9.2	2.1	13000	8000
FEB.									
06...	284	7.4	11.5	40	--	9.2	2.0	2800	320
14...	310	7.2	10.0	30	90	9.9	2.6	3200	1200
20...	304	7.3	9.5	30	85	10.0	7.6	4900	240
MAR.									
01...	319	7.5	9.5	30	96	10.2	4.2	2400	430
06...	355	7.6	11.5	30	69	9.2	2.2	4000	1600
14...	342	7.5	--	55	--	--	--	--	--
21...	403	7.6	15.0	50	88	11.0	4.4	3500	400
30...	376	7.5	15.5	10	98	9.3	--	--	--
APR.									
04...	359	7.4	14.5	40	90	9.4	3.4	7900	600
10...	344	7.4	15.0	20	75	9.2	1.8	3200	600
17...	331	7.7	16.0	60	91	8.6	2.0	2800	900
MAY									
01...	352	7.7	18.5	10	92	7.9	4.8	4400	--
08...	345	7.6	20.5	30	82	9.2	3.8	6600	4200
17...	407	7.5	23.0	30	73	7.4	--	2100	1400
22...	426	7.7	24.0	20	95	7.5	.8	10000	7600
30...	395	7.5	25.0	30	92	6.9	2.7	7000	2600

LOWER MISSISSIPPI RIVER BASIN

309

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT.									
04...	14	.00	0	2	0	1	2	.0	10
10...	--	.01	0	--	5	1	2	.0	20
17...	--	.00	5	--	3	1	4	.0	10
24...	--	.00	0	--	2	0	3	.0	10
30...	--	.00	0	--	1	1	3	.0	10
NOV.									
07...	--	.00	0	2	1	1	1	.2	0
15...	--	.00	0	--	3	1	0	.0	10
19...	--	.00	0	--	4	0	0	.1	10
28...	--	.00	0	--	1	1	1	.1	10
DEC.									
05...	10	.00	3	--	2	0	3	.0	0
11...	--	.00	0	0	2	0	3	.0	10
19...	--	.00	0	--	0	0	3	.8	6
27...	--	.00	0	--	0	0	3	.0	0
JAN.									
03...	--	.00	0	--	0	0	3	.0	6
17...	8.0	.01	0	--	0	0	5	.0	0
24...	--	.00	0	--	0	0	1	.0	0
31...	--	.00	19	--	6	0	0	.0	0
FEB.									
06...	4.0	.00	6	0	5	0	5	.0	20
14...	--	.00	5	--	3	5	20	.2	20
20...	--	.00	1	--	0	4	2	.1	8
MAR.									
01...	--	.00	4	--	8	5	1	.2	10
06...	14	.00	6	2	4	4	0	.1	8
14...	--	.00	3	--	7	0	3	.1	20
21...	--	.00	2	--	0	0	4	.1	30
30...	--	.00	0	--	5	0	3	.0	0
APR.									
04...	2.5	.01	17	12	4	1	3	.0	0
10...	--	.00	1	--	--	0	0	.0	10
17...	--	.00	10	--	0	0	2	.2	4
MAY									
01...	--	.00	5	--	6	8	10	.1	20
08...	6.0	.00	2	2	0	8	6	.3	8
17...	--	.00	0	--	0	3	0	.1	7
22...	--	.00	0	--	0	3	0	.3	3
30...	--	.00	--	--	1	4	2	.0	10

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	ALKA- LINITY AS (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)
JUNE												
05...	6.3	20	40	11	18	3.0	116	95	22	50	.5	1.0
11...	--	0	36	9.4	16	3.2	115	94	20	43	--	1.4
19...	--	0	38	10	16	3.2	107	88	21	43	--	1.0
26...	--	0	35	9.7	15	3.1	112	92	19	37	--	.72
JULY												
17...	2.0	10	41	11	17	3.3	124	102	21	20	.2	--
AUG.												
14...	5.9	200	52	19	59	4.5	156	128	87	63	.9	--
SEP.												
05...	2.6	10	46	13	29	3.3	136	112	34	60	.8	--

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374550 MISSISSIPPI RIVER AT VENICE, LA. Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED ORTH0. PHOS- PHORUS (P) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	SUS- PENDED SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)
JUNE												
05...	.11	--	239	213	154	150	50	369	7.4	25.0	100	200
11...	.10	--	--	--	204	130	34	351	6.7	25.0	80	112
19...	.12	--	--	--	274	140	48	335	7.7	25.0	60	198
26...	.09	--	--	--	212	130	35	327	7.6	26.0	70	90
JULY												
17...	--	.29	274	210	95	150	46	372	7.2	28.5	20	73
AUG.												
14...	--	.22	430	368	7	210	82	682	7.9	30.0	0	20
SEP.												
05...	--	.30	260	256	10	170	58	474	7.9	28.0	20	20

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	OIL AND GREASE (MG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
JUNE												
05...	7.0	2.4	12000	1000	--	.00	1	1	3	5	.0	7
11...	7.0	1.7	3700	450	--	.00	--	0	0	3	.4	20
19...	6.0	2.0	2000	1200	--	.00	--	17	1	0	.3	4
26...	6.7	4.4	6500	1400	--	.00	--	2	6	0	.3	0
JULY												
17...	5.8	3.3	--	3800	--	.00	1	1	3	5	.0	0
AUG.												
14...	4.9	.5	2700	80	4.2	.00	2	2	2	22	.1	4
SEP.												
05...	7.0	--	900	330	4.4	.00	1	2	1	0	.0	10

MISSISSIPPI RIVER DELTA

311

07378510 AMITE RIVER AT 4-H CAMP NEAR DENHAM SPRINGS, LA.

LOCATION.--Lat 30°26'30", long 90°58'20", in lot 41, T.7 S., R.2 E., St. Helena meridian, Livingston Parish, on left bank at auxiliary gaging station, 3.0 mi (4.8 km) downstream from gaging station Amite River near Denham Springs (sta 07378500), 3.0 mi (4.8 km) southwest of town of Denham Springs, and 3.2 mi (5.1 km) downstream from mouth of Comite River.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Chemical analyses: February 1973 to September 1974.
Water temperatures: March 1973 to September 1974.

REMARKS.--Continuous recorder at this station. Probes are 3 ft (0.9 m) above bottom of river. Lower limit of conductivity recorder is 28 micromhos.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL IRON (FE) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	RICAR- BONATE (HCO3) (MG/L)	ALKA- LITY AS CAC03 (MG/L)
NOV.												
01...	--	100	1200	230	80	150	--	--	--	--	--	--
28...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
19...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
31...	6.8	130	2600	130	90	40	2.1	.8	1.0	1.6	10	8
FEB.												
28...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
13...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
11...	13	400	1700	280	110	170	3.1	1.4	5.5	1.1	18	15
MAY												
21...	--	--	--	--	--	--	--	--	--	--	--	--
JUNE												
27...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
25...	8.8	60	3000	230	100	130	3.8	1.1	7.7	2.3	17	14
AUG.												
28...	--	--	--	--	--	--	--	--	--	--	17	14
SEP.												
10...	--	--	--	--	--	--	--	--	--	--	14	11

DATE	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJFL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)
NOV.												
01...	--	--	--	--	.00	--	--	.29	.29	.04	--	--
28...	--	--	--	--	--	--	--	--	--	.06	--	--
DEC.												
19...	--	--	--	--	.01	--	--	.14	.15	.03	--	--
JAN.												
31...	4.0	3.0	.1	.21	--	.00	.23	--	--	.13	54	25
FEB.												
28...	--	--	--	.14	--	.13	.09	--	--	.01	--	--
MAR.												
13...	--	--	--	.03	.03	.00	.00	--	--	.07	--	--
APR.												
11...	3.4	5.1	.2	.15	.15	.00	.00	--	--	.11	47	42
MAY												
21...	--	--	--	.08	.08	.00	.17	--	--	.15	--	--
JUNE												
27...	--	--	--	.08	.08	.00	.00	--	--	.29	--	--
JULY												
25...	4.3	7.2	.4	--	.20	.15	.67	.82	1.0	.16	44	44
AUG.												
28...	--	--	--	--	.15	.19	.78	.97	1.1	.28	--	--
SEP.												
10...	--	--	--	--	1.0	.15	.59	.74	1.7	.16	--	--

07378510 AMITE RIVER AT 4-H CAMP NEAR DENHAM SPRINGS, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DFG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	TOTAL PHYTO- PLANK- TON (CELLS PER ML)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)
NOV. 01...	--	--	56	--	19.5	--	--	8.2	--	--	--	--
28...	--	--	46	--	19.0	--	70	7.2	2.4	--	12000	3500
DEC. 19...	--	--	54	--	11.5	--	20	10.2	--	--	2600	100
JAN. 31...	9	0	32	6.3	16.5	--	60	8.0	2.0	--	8400	1900
FEB. 28...	--	--	54	--	14.5	--	52	9.3	.3	--	150	20
MAR. 13...	--	--	80	--	23.0	--	35	8.9	1.6	--	600	--
APR. 11...	14	0	56	6.7	20.0	--	65	6.7	--	1200	700	50
MAY 21...	--	--	61	--	26.0	--	52	7.4	1.7	2000	1000	50
JUNE 27...	--	--	50	--	25.0	--	40	--	--	2400	920	75
JULY 25...	14	0	64	6.2	27.0	40	73	6.9	3.6	--	--	--
AUG. 28...	--	--	62	5.7	26.0	80	100	6.3	2.0	--	32000	20000
SEP. 10...	--	--	44	7.3	26.0	60	75	6.4	--	--	3100	360

[illegible]

MISSISSIPPI RIVER DELTA

313

07378510 AMITE RIVER AT 4-H CAMP NEAR DENHAM SPRINGS, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL COBALT (CO) (UG/L)	SUS- PENDED COBALT (CO) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	SUS- PENDED MERCURY (HG) (UG/L)
NOV. 01...	<10	--	0	<10	--	10	<100	--	4	.0	--
28...	--	--	--	--	--	--	--	--	--	--	--
DEC. 19...	--	--	--	--	--	--	--	--	--	--	--
JAN. 31...	1	1	0	6	0	12	11	11	0	.0	.0
FEB. 28...	--	--	--	--	--	--	--	--	--	--	--
MAR. 13...	--	--	--	--	--	--	--	--	--	--	--
APR. 11...	6	4	2	6	1	5	9	6	3	.5	.5
MAY 21...	--	--	--	--	--	--	--	--	--	--	--
JUNE 27...	--	--	--	--	--	--	--	--	--	--	--
JULY 25...	4	4	0	9	1	8	13	0	13	.7	.5
AUG. 28...	--	--	--	--	--	--	--	--	--	--	--
SEP. 10...	--	--	--	--	--	--	--	--	--	--	--

DATE	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDED SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
NOV. 01...	.0	2	--	4	20	--	10
JAN. 31...	.0	5	5	0	30	30	0
APR. 11...	.0	7	4	3	30	10	20
JULY 25...	.2	4	1	3	10	0	10

MISSISSIPPI RIVER DELTA

07378510 AMITE RIVER AT 4-H CAMP NEAR DENHAM SPRINGS, LA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	58	52	53	56	50	54	39	37	38	49	47	48
2	65	52	56	52	50	51	44	39	42	48	47	48
3	73	52	58	50	48	49	47	44	45	69	45	52
4	52	51	52	51	49	49	68	46	56	45	37	41
5	54	52	53	99	43	54	55	50	52	37	36	37
6	63	55	58	41	34	36	50	49	50	40	37	38
7	69	64	67	38	34	35	49	49	49	49	41	47
8	69	52	58	43	38	40	49	48	49	46	43	44
9	53	52	52	47	42	44	50	49	50	47	43	45
10	54	52	53	46	43	44	53	50	51	48	45	46
11	54	52	53	44	41	42	55	53	54	51	47	49
12	55	52	53	47	43	44	54	51	52	59	38	47
13	56	53	54	49	46	47	53	52	52	38	32	35
14	61	54	57	51	49	50	52	50	51	36	32	35
15	48	54	57	51	50	51	57	50	52	40	36	38
16	60	56	57	52	50	51	50	51	55	43	40	42
17	55	54	55	53	51	52	51	50	51	46	43	45
18	53	52	52	53	52	52	51	50	50	48	46	47
19	52	50	51	54	52	53	99	51	58	59	41	47
20	52	51	51	55	52	54	75	53	62	45	31	37
21	52	51	51	94	56	77	52	49	51	31	28	29
22	52	51	51	75	50	60	49	47	49	32	28	30
23	51	49	51	52	48	50	52	49	50	41	32	35
24	52	49	51	52	50	51	61	52	54	45	40	43
25	51	48	49	70	51	55	90	47	54	41	34	39
26	50	48	49	72	46	53	45	37	40	35	33	34
27	50	48	50	47	45	46	37	36	36	36	34	35
28	50	49	50	48	45	47	37	36	37	39	36	37
29	50	47	49	45	38	42	39	37	38	40	35	38
30	48	46	48	38	36	37	44	39	41	34	30	32
31	51	48	50	---	---	---	59	44	49	33	30	31
MONTH	88	46	54	99	34	49	99	36	49	69	28	40
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	41	33	37	---	---	---	44	40	42	50	50	50
2	64	41	45	---	---	---	60	38	42	51	50	51
3	41	29	35	---	---	---	41	38	39	64	48	52
4	29	28	28	48	47	47	43	40	42	56	50	53
5	33	28	30	53	47	49	41	38	39	149	49	67
6	43	33	38	48	47	48	44	39	41	50	42	44
7	56	39	43	49	48	48	49	45	46	48	45	47
8	39	34	36	49	47	48	50	48	49	50	48	49
9	33	28	30	50	48	48	50	48	50	51	50	50
10	30	28	29	156	49	66	51	49	50	52	51	51
11	34	31	33	61	43	53	52	50	51	59	52	55
12	---	---	---	55	51	53	54	50	52	59	56	57
13	---	---	---	52	46	49	66	37	47	56	53	54
14	---	---	---	45	41	42	37	33	34	53	51	53
15	---	---	---	48	44	46	33	28	30	52	51	52
16	---	---	---	54	49	52	28	---	---	52	50	51
17	---	---	---	54	51	52	28	---	---	51	49	50
18	---	---	---	53	51	52	34	28	30	51	50	51
19	---	---	---	52	51	51	39	34	37	52	50	51
20	---	---	---	52	51	51	42	39	40	53	50	51
21	---	---	---	65	52	54	45	42	43	77	51	60
22	---	---	---	54	48	52	47	45	46	79	37	67
23	---	---	---	53	48	49	48	47	47	30	28	29
24	---	---	---	49	47	48	48	47	48	28	---	---
25	---	---	---	118	47	67	49	47	48	28	---	---
26	---	---	---	74	49	60	48	47	47	42	28	35
27	---	---	---	44	30	34	49	48	48	40	37	38
28	---	---	---	30	28	29	49	49	49	45	38	41
29	---	---	---	29	28	28	50	49	50	47	45	46
30	---	---	---	37	29	33	50	49	50	48	47	47
31	---	---	---	39	37	38	---	---	---	49	48	49
MONTH	---	---	---	---	---	---	66	---	---	149	---	---

MISSISSIPPI RIVER DELTA

315

07378510 AMITE RIVER AT 4-H CAMP NEAR DENHAM SPRINGS, LA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) • WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	49	49	49	53	46	51	62	59	60	60	51	56
2	55	48	50	48	47	47	63	58	60	57	49	52
3	54	38	45	48	48	48	68	51	62	59	52	57
4	40	28	35	48	48	48	56	48	50	51	44	46
5	46	40	42	55	47	48	69	49	54	44	42	43
6	50	47	48	120	49	66	50	46	48	42	40	41
7	49	48	48	49	44	46	58	49	55	51	42	46
8	50	49	49	51	44	49	63	57	60	85	52	71
9	51	50	50	67	51	55	59	53	56	79	58	67
10	51	50	51	51	48	49	54	51	53	58	37	45
11	51	49	50	50	48	49	53	51	52	44	37	39
12	49	48	48	51	49	50	53	51	52	46	42	44
13	55	48	49	53	48	50	56	52	54	47	45	46
14	94	50	65	64	49	53	56	52	53	54	47	50
15	55	45	48	56	51	53	57	55	56	53	51	52
16	47	45	46	58	54	57	56	49	53	53	50	52
17	56	46	48	53	46	48	51	49	50	54	51	52
18	56	52	53	48	46	47	68	51	58	52	49	50
19	61	54	57	48	46	47	54	50	53	50	47	49
20	55	50	53	50	47	48	52	47	49	50	48	49
21	53	50	52	55	49	51	64	53	57	51	48	50
22	51	49	50	61	54	56	67	57	61	49	47	48
23	54	50	51	55	53	54	60	56	58	47	46	47
24	67	54	61	55	52	54	56	48	54	48	46	47
25	64	52	55	60	54	56	54	50	53	58	47	49
26	53	51	52	58	50	54	56	51	53	93	55	74
27	52	50	51	87	50	62	77	57	69	65	53	59
28	52	50	51	61	49	52	73	64	68	53	49	50
29	52	51	52	51	50	51	68	50	56	50	43	48
30	52	51	52	57	51	52	55	49	52	47	45	46
31	---	---	---	68	58	64	58	51	55	---	---	---
MONTH	94	28	50	120	44	52	77	46	56	93	37	51

073785.0 AMITE RIVER AT 4-H CAMP NEAR DENHAM SPRINGS, LA.--Continued

TEMPERATURE (DEG. C) OF WATER • WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	26.5	25.0	25.5	21.0	19.5	20.5	17.0	16.0	16.5	18.0	14.0	16.0
2	28.5	25.0	24.0	22.0	19.5	21.0	16.5	15.5	16.0	14.0	13.5	13.5
3	29.5	27.0	24.5	23.5	21.0	22.5	19.0	16.5	18.0	14.0	13.0	13.5
4	30.5	28.0	29.0	24.0	23.0	23.5	19.0	18.5	19.0	12.5	11.0	11.5
5	30.0	28.0	29.0	24.0	22.0	22.5	18.5	16.5	17.5	11.0	11.0	11.0
6	30.5	28.0	29.5	22.0	20.5	21.5	16.5	15.0	15.0	12.5	11.0	11.5
7	30.0	24.0	29.0	21.0	20.0	20.5	15.0	13.5	14.5	14.0	12.5	13.5
8	29.5	27.5	28.5	22.5	21.0	21.5	13.5	11.0	13.0	14.5	14.0	14.0
9	29.5	27.5	28.5	22.5	22.0	22.5	12.5	11.0	12.0	17.0	14.5	15.5
10	29.5	27.5	28.5	22.0	19.0	20.5	12.5	11.0	11.5	19.0	17.0	18.0
11	29.0	28.0	28.5	19.0	18.0	18.5	11.5	10.5	11.0	19.0	18.0	18.5
12	29.0	27.5	28.0	19.0	18.0	18.5	14.5	11.5	13.0	17.5	14.5	15.5
13	28.5	27.0	28.0	20.0	18.5	19.5	17.0	14.5	16.0	14.5	13.5	14.0
14	28.5	27.5	28.0	21.5	19.5	20.5	16.5	15.5	16.0	14.0	13.5	13.5
15	27.5	27.0	27.0	23.0	20.5	22.0	16.0	15.5	15.5	15.5	14.0	14.5
16	27.5	26.5	27.0	22.0	20.0	21.0	15.0	12.0	13.5	17.0	15.5	16.0
17	26.5	25.0	26.0	19.5	17.5	19.0	12.0	10.5	11.0	18.0	17.0	17.5
18	24.5	23.0	24.0	19.5	18.0	19.0	12.0	10.0	11.0	19.0	18.0	18.5
19	24.0	22.0	23.0	21.0	19.0	20.0	15.0	12.0	13.0	19.5	19.0	19.0
20	24.0	22.0	23.0	22.0	20.5	21.0	14.5	10.5	12.5	19.0	18.5	18.5
21	24.0	22.0	23.5	21.5	20.0	20.5	10.5	9.5	10.0	18.5	17.5	18.0
22	24.5	22.5	23.5	20.5	19.0	20.0	10.0	9.0	9.5	18.0	17.5	17.5
23	24.5	23.0	24.0	22.0	20.5	21.0	12.0	10.5	11.0	18.5	17.5	18.0
24	24.5	23.0	24.0	23.0	21.5	22.5	15.5	12.0	13.5	18.5	18.0	18.5
25	24.5	23.0	24.0	23.5	22.5	23.0	17.0	16.0	16.5	18.0	16.5	17.0
26	24.5	23.0	24.0	23.5	23.0	23.0	16.0	15.5	15.5	17.0	16.5	16.5
27	24.5	23.0	24.0	23.5	23.0	23.5	15.5	14.5	15.0	17.5	16.5	17.0
28	24.5	23.0	24.0	23.5	20.0	22.0	14.5	13.5	14.0	18.5	17.0	18.0
29	23.0	21.0	22.0	20.0	18.5	19.0	14.5	13.5	14.0	18.5	18.0	18.5
30	20.5	19.0	20.0	18.5	17.0	17.5	16.0	15.0	15.5	18.0	17.0	18.0
31	21.5	20.0	20.5	---	---	---	18.5	16.0	17.5	17.0	16.5	17.0
MONTH	30.5	19.0	25.0	24.0	17.0	21.0	19.0	9.0	14.0	19.5	11.0	16.0
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.0	16.5	17.0	---	---	---	22.5	22.0	22.5	25.5	23.5	24.5
2	19.0	18.0	18.5	---	---	---	23.0	20.5	21.5	25.5	24.0	24.5
3	18.5	18.0	18.5	---	---	---	24.0	23.0	23.5	25.5	24.0	25.0
4	18.0	16.5	17.0	21.5	21.0	21.5	24.0	23.0	24.0	25.5	24.5	25.5
5	16.5	15.5	16.0	22.0	20.5	21.5	23.0	21.0	21.5	25.5	24.0	25.0
6	17.5	15.5	16.0	23.5	21.5	22.5	21.0	20.0	20.5	24.5	23.5	24.0
7	18.5	17.0	18.0	23.5	22.0	22.5	21.0	20.0	20.5	25.5	23.0	24.0
8	17.0	14.0	15.5	23.5	22.0	23.0	22.5	20.5	21.5	26.0	23.5	25.0
9	14.0	13.0	13.5	23.5	22.5	23.0	22.5	21.0	21.5	27.0	24.5	25.5
10	13.0	12.5	12.5	23.0	22.5	22.5	21.5	20.0	21.0	26.0	25.5	25.0
11	13.0	12.5	12.5	24.0	22.0	23.0	22.0	20.0	21.0	25.5	24.5	25.0
12	---	---	---	24.5	23.0	23.5	23.0	21.5	22.0	26.5	24.0	25.5
13	---	---	---	23.5	21.5	22.5	22.0	20.5	21.0	27.0	24.5	26.0
14	---	---	---	21.5	20.0	20.5	21.0	20.5	20.5	27.0	25.0	26.0
15	---	---	---	21.5	20.0	20.5	21.0	20.0	20.5	27.5	26.0	26.5
16	---	---	---	22.0	20.5	21.0	20.5	19.5	20.0	28.0	26.0	27.0
17	---	---	---	21.0	19.5	20.5	20.0	19.5	19.5	28.5	26.0	27.5
18	---	---	---	22.0	19.0	20.5	20.0	19.0	19.5	29.0	26.5	28.0
19	---	---	---	23.5	21.0	22.0	20.5	19.5	20.0	28.0	27.0	27.5
20	---	---	---	24.5	22.5	23.5	21.0	20.5	20.5	27.0	26.0	27.0
21	---	---	---	24.0	19.0	22.0	22.5	21.0	21.5	27.0	25.0	26.0
22	---	---	---	19.0	17.0	18.0	22.5	22.0	22.0	25.5	24.0	24.5
23	---	---	---	19.5	17.5	18.5	22.5	21.0	22.0	25.5	24.5	25.0
24	---	---	---	19.5	17.5	18.5	23.5	21.5	22.5	26.0	25.0	25.5
25	---	---	---	17.0	14.5	15.5	23.5	21.5	22.5	25.5	24.5	25.0
26	---	---	---	15.5	14.5	15.0	23.5	21.0	22.5	25.5	24.5	25.5
27	---	---	---	16.5	15.5	15.5	24.5	22.0	23.0	25.5	24.5	25.0
28	---	---	---	18.0	16.0	17.0	24.5	22.5	23.5	26.5	25.0	25.5
29	---	---	---	20.0	18.0	19.0	24.5	23.0	23.5	27.5	25.5	26.5
30	---	---	---	21.0	20.0	20.5	25.5	23.0	24.5	28.0	26.5	27.5
31	---	---	---	22.0	20.5	21.0	---	---	---	27.5	26.0	27.0
MONTH	---	---	---	---	---	---	25.5	19.0	21.5	29.0	23.0	25.5

MISSISSIPPI RIVER DELTA

317

07378510 AMITE RIVER AT 4-H CAMP NEAR DENHAM SPRINGS.--Continued

TEMPERATURE (DEG. C) OF WATER * WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	27.0	25.5	26.0	29.0	26.5	28.0	29.5	27.5	28.5	28.5	26.5	27.5
2	27.0	25.5	26.0	30.5	27.0	28.5	29.5	26.5	27.5	29.5	26.5	28.0
3	27.0	25.5	26.5	30.5	28.0	29.0	29.0	27.0	28.0	26.5	25.5	26.0
4	28.0	26.0	27.0	30.0	27.5	28.5	29.0	27.0	28.0	25.5	24.0	25.0
5	28.0	26.5	27.5	30.0	28.0	28.5	27.5	25.0	26.5	25.5	23.0	24.5
6	28.5	27.0	28.0	28.0	24.0	25.5	28.0	26.5	27.5	25.5	24.0	24.5
7	28.0	27.0	27.5	26.0	23.5	24.5	27.5	26.0	26.5	25.0	22.5	23.5
8	28.5	27.0	27.5	27.5	25.0	26.5	27.5	25.5	26.5	23.5	22.0	23.0
9	29.5	27.0	28.0	29.5	26.5	27.5	29.5	26.5	28.0	25.5	23.0	24.5
10	29.0	27.5	28.5	31.0	28.0	29.5	31.0	27.5	29.5	26.0	25.0	25.5
11	29.5	27.0	28.5	31.5	28.5	30.0	31.5	28.5	30.0	26.0	25.5	25.5
12	29.5	27.0	28.5	31.5	29.0	30.5	30.5	29.0	30.0	26.5	25.5	26.0
13	28.0	27.0	27.5	31.0	29.0	30.0	29.5	28.5	29.0	27.5	26.0	26.5
14	28.0	26.0	27.0	30.0	28.5	29.5	30.5	27.0	28.5	27.0	26.0	26.5
15	29.0	26.5	27.5	30.5	28.0	29.0	31.5	28.0	29.5	27.5	25.5	26.5
16	29.5	27.0	28.5	30.5	28.0	29.5	31.5	29.0	30.5	28.0	26.0	27.0
17	29.5	27.0	28.0	30.0	26.5	29.5	31.0	29.0	30.0	28.5	26.0	27.0
18	28.0	27.0	27.5	30.5	27.5	29.0	31.0	26.0	30.0	28.0	26.0	27.5
19	28.5	26.5	27.5	31.5	28.0	30.0	31.0	27.5	29.5	28.5	26.0	27.0
20	30.0	27.0	28.5	31.5	29.0	30.5	31.0	28.5	30.0	28.5	26.0	27.0
21	31.0	27.5	29.5	31.0	29.0	30.0	30.5	28.0	29.5	29.0	26.5	27.5
22	31.0	28.5	30.0	31.5	28.0	29.5	30.0	25.0	29.0	27.5	25.5	26.5
23	31.0	29.0	29.5	31.5	29.5	30.5	30.0	27.5	28.5	25.5	23.0	24.0
24	29.0	27.5	28.0	31.0	26.0	28.5	31.0	26.5	28.5	26.0	18.5	23.0
25	27.5	25.5	26.5	29.0	26.0	27.0	29.0	26.0	27.0	25.0	22.0	24.0
26	27.0	25.0	26.0	29.0	27.5	28.5	27.5	26.0	27.0	24.0	23.5	23.5
27	27.0	24.5	26.0	28.5	26.5	27.5	26.5	25.5	26.0	25.5	23.0	24.0
28	27.0	24.5	26.0	29.5	27.5	28.5	28.0	25.0	25.5	25.5	24.0	24.5
29	27.5	25.0	26.5	31.0	28.5	30.0	27.0	25.5	26.0	25.5	24.0	25.0
30	28.5	26.0	27.0	31.0	28.0	29.5	27.0	25.5	26.5	24.5	22.0	23.0
31	---	---	---	29.0	26.5	28.0	28.0	25.5	27.0	---	---	---
MONTH	31.0	24.5	27.5	31.5	23.5	28.5	31.5	25.0	28.0	29.5	18.5	25.5

MISSISSIPPI RIVER DELTA

07381200 BAYOU LAFOURCHE AT VALENTINE, LA.

LOCATION.--Lat 29°35'35", long 90°28'25", on line between lots 96 and 98, T.17 S., R.20 E., Lafourche Parish, at gaging station on bridge on State Highway 308, at Valentine, 5.2 mi (8.4 km) upstream from Intracoastal Waterway, and 5.7 mi (9.2 km) south of Lockport.

PERIOD OF RECORD.--Chemical analyses: March to August 1956, October 1958 to September 1959, January 1970 to September 1974.

REMARKS.--Pumping plant at Donaldsonville pumps total flow of Bayou Lafourche from Mississippi River except for small amounts of storm drainage during freshets and some flow from Company Canal entering at Lockport. Conductance recorder with probe 3 ft (0.9 m) from stream bottom. Daily mean values are reported in daily conductance table.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MANGANESE (MN) (UG/L)	RICAR- BONATE (HCO ₃) (MG/L)	ALKA- LITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)
OCT. 16...	--	--	--	--	--	--	280	--	--
DEC. 28...	8.7	--	--	72	59	34	20	.3	1.7
FEB. 14...	8.1	230	0	111	91	23	25	.0	--
AUG. 07...	--	--	--	133	109	--	--	--	--
SEP. 12...	--	--	--	100	82	--	--	--	--

DATE	DIS- SOLVED NITRITE (N) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)
OCT. 16...	--	--	1290	--	29.0	--	--	1.1
DEC. 28...	.05	185	271	8.0	14.0	100	140	5.1
FEB. 14...	--	225	317	7.5	17.0	60	70	7.6
AUG. 07...	--	--	387	7.7	27.0	10	30	4.5
SEP. 12...	--	--	318	7.2	31.0	40	40	4.6

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
FEB. 14...	3	0	4	9	.3	6

MISSISSIPPI RIVER DELTA

319

07381200 BAYOU LAFOURCHE AT VALENTINE, LA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) • WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	340	370	500	320	320	320	490	---	---	---	---	---
2	350	380	520	270	340	290	400	---	---	---	---	---
3	370	360	525	200	330	290	300	---	---	---	---	---
4	375	360	525	310	305	280	220	---	---	---	---	---
5	380	370	500	340	280	310	280	---	---	---	---	---
6	380	380	650	300	260	300	290	---	---	---	---	---
7	380	380	580	300	320	320	280	360	---	---	---	---
8	370	410	500	330	370	320	270	360	---	---	---	---
9	375	365	420	340	305	330	300	360	---	---	---	---
10	315	370	395	340	300	340	380	360	---	---	---	---
11	380	370	410	330	300	360	390	340	---	---	---	---
12	450	375	430	370	300	380	400	350	---	---	---	---
13	800	390	450	380	320	360	370	360	---	---	---	---
14	1500	360	475	370	310	370	380	360	---	---	---	---
15	1750	380	480	350	300	340	360	320	---	---	---	---
16	1200	440	480	340	320	280	400	---	---	---	---	---
17	950	445	440	340	330	330	400	---	---	---	---	---
18	560	470	395	340	330	310	370	---	---	---	---	---
19	340	425	380	345	340	290	380	---	---	---	---	---
20	345	445	400	365	340	290	380	---	---	---	---	---
21	310	470	395	330	300	380	380	---	---	---	---	---
22	380	450	360	340	300	380	370	420	---	---	---	---
23	395	440	340	320	300	340	360	---	---	---	---	---
24	395	440	325	300	300	370	380	---	---	---	---	---
25	370	440	335	270	300	360	400	---	---	---	---	---
26	350	450	270	280	300	200	---	---	---	---	---	---
27	350	430	230	300	320	140	---	---	---	---	---	---
28	360	420	280	320	310	280	---	---	---	---	---	---
29	395	400	270	360	---	390	---	360	---	---	---	---
30	385	800	250	360	---	510	330	---	---	---	---	---
31	350	---	270	360	---	500	---	---	---	---	---	---
AVG.	515	420	412	326	313	331	356	---	---	---	---	---

LOCATION.--Lat 29°34'30", long 90°23'40", in lot 46, T.17 S., R.20 E., Lafourche Parish, at highway bridge connecting State Highways 1 and 308, 0.4 mi (0.6 km) northwest of La Rose and 0.6 mi (1.0 km) upstream from Intracoastal Waterway.

PERIOD OF RECORD.--Chemcial analyses: October 1973 to September 1974.

REMARKS.--Pumping plant at Donaldsonville pumps total flow of Bayou Lafourche from Mississippi River except for small amounts of storm drainage during freshets and some flow from Company Canal, entering at Lockport. Reverse flow at times of high tide. Conductance recorder with probe 3 ft (0.9 m) from stream bottom.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

[illegible]

07381230 BAYOU LAFOURCHE AT LA ROSE, LA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

FEBRUARY				MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	349	184	292	1920	633	1270	---	---	---	332	313	322
2	364	327	348	---	---	---	---	---	---	339	313	325
3	359	305	340	---	---	---	---	---	---	342	313	326
4	307	243	273	---	---	---	---	---	---	337	312	318
5	278	205	230	---	---	---	351	175	271	325	317	320
6	267	199	210	---	---	---	362	242	294	330	315	325
7	342	238	273	---	---	---	325	212	276	327	318	323
8	498	252	289	---	---	---	291	160	220	334	322	326
9	315	253	271	---	---	---	310	220	265	352	315	338
10	266	250	258	---	---	---	316	245	284	349	264	321
11	380	253	279	---	---	---	308	253	281	281	220	251
12	341	263	281	---	---	---	295	254	271	260	231	244
13	419	264	308	341	242	289	341	266	299	519	260	451
14	480	280	335	250	143	196	392	325	361	429	315	344
15	450	290	360	352	143	242	337	221	269	349	307	327
16	600	290	410	410	217	251	303	257	279	349	334	341
17	550	310	420	353	262	304	380	307	338	364	325	339
18	314	295	310	410	332	360	373	334	352	371	322	348
19	327	302	316	486	240	353	393	324	358	351	317	334
20	310	255	300	778	480	652	356	318	337	409	322	340
21	440	305	450	1250	342	600	368	322	342	508	409	470
22	644	327	441	2600	810	2000	364	322	339	1380	451	828
23	442	293	344	830	460	596	356	312	333	---	---	---
24	519	320	407	740	476	582	395	317	349	---	---	---
25	527	312	386	760	218	314	359	325	339	---	---	---
26	412	308	344	504	214	354	346	303	318	---	---	---
27	631	296	352	547	260	366	407	303	340	---	---	---
28	3350	600	1700	388	318	347	313	300	310	---	---	---
29	---	---	---	---	---	---	322	293	305	---	---	---
30	---	---	---	---	---	---	330	295	310	381	334	356
31	---	---	---	---	---	---	---	---	---	417	346	380
MONTH	3350	184	376	---	---	---	---	---	---	---	---	---
JUNE				JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	548	296	346	349	325	337	395	327	359	293	238	266
2	559	174	431	346	318	335	399	335	358	278	218	250
3	600	156	378	346	324	333	361	335	352	349	239	293
4	670	312	420	351	330	337	362	348	354	364	300	332
5	680	317	470	351	329	336	369	361	365	359	300	327
6	393	335	359	341	327	333	382	364	375	449	296	391
7	409	368	388	512	318	393	382	372	378	542	320	434
8	398	329	360	515	170	446	---	---	---	1550	422	573
9	368	330	351	508	165	281	---	---	---	---	---	---
10	378	330	358	502	162	342	---	---	---	3690	1530	2610
11	397	349	376	---	---	---	---	---	---	1540	604	915
12	431	346	399	---	---	---	---	---	---	884	247	440
13	431	368	402	---	---	---	---	---	---	527	260	341
14	397	335	365	---	---	---	431	380	405	376	274	328
15	381	334	359	---	---	---	431	363	401	320	241	276
16	381	335	358	---	---	---	414	356	384	310	242	277
17	373	329	352	344	288	305	447	358	403	307	242	279
18	366	325	347	349	288	308	453	386	412	310	252	277
19	359	329	344	347	284	311	472	400	438	318	260	289
20	369	307	346	339	254	296	459	388	420	330	269	295
21	376	327	352	---	---	---	476	398	437	322	266	303
22	371	330	351	---	---	---	462	395	423	715	291	483
23	358	303	327	---	---	---	472	339	415	344	284	307
24	332	308	323	---	---	---	476	349	414	1000	283	562
25	358	325	340	---	---	---	455	378	416	1320	794	976
26	359	332	343	---	---	---	736	400	524	1540	920	1290
27	339	315	325	---	---	---	432	312	413	1160	414	735
28	334	303	326	---	---	---	491	388	424	447	318	382
29	351	318	334	---	---	---	529	364	421	359	291	322
30	351	327	341	---	---	---	409	281	346	393	293	339
31	---	---	---	386	332	353	335	243	292	---	---	---
MONTH	680	156	362	---	---	---	---	---	---	---	---	---

CM

323

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MAXIMUM VALUES

[illegible]

OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT
---	---	---	---	700	600	---	---	---	---	---	-
---	---	---	---	---	550	---	---	---	---	---	-
---	---	---	---	500	500	---	---	---	---	---	-
---	500	500	---	2250	4500	---	---	---	---	---	-
500	550	550	---	700	550	---	---	---	---	---	-
500	550	550	---	---	---	---	---	---	---	---	-
500	500	500	---	---	---	---	---	---	---	---	-
500	500	500	---	---	---	---	---	---	---	---	-
500	550	500	---	---	---	---	---	---	---	---	-
4250	6150	500	---	---	---	---	---	---	---	---	-
13600	13900	500	---	---	---	---	---	---	---	---	-
15800	13300	500	---	---	---	---	---	---	---	---	-
16400	12300	550	---	---	---	---	---	---	---	---	-
15900	11700	850	---	---	---	---	---	---	---	---	-
---	---	850	1050	---	---	---	---	---	---	---	-
8150	10900	---	550	---	---	---	---	---	---	---	-
5500	4300	---	---	---	---	---	---	---	---	---	-
3300	2650	---	---	---	---	---	---	---	---	---	-
2150	2550	---	---	---	---	---	---	---	---	---	-
1800	1350	6000	---	800	---	---	---	---	---	---	-
1600	1250	26000	---	---	---	---	---	---	---	---	-
1400	1200	9450	---	---	---	---	---	---	---	---	-
1100	1000	8100	---	---	---	---	---	---	---	---	-
---	---	6250	6400	600	---	---	---	---	---	---	-
---	---	---	8200	1050	---	---	---	---	---	---	-
---	---	---	12700	750	---	---	---	---	---	---	-
---	---	---	13400	---	---	---	---	---	---	---	-
---	---	11100	13000	---	---	---	---	---	---	---	-
---	---	3250	4000	---	---	---	---	---	---	---	-
---	---	1700	2100	---	---	---	---	---	---	---	-
---	---	---	---	---	---	---	---	---	---	---	-
---	---	---	---	---	---	---	---	---	---	---	-
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT
---	---	---	---	---	---	---	---	---	---	---	-
---	---	---	---	---	---	---	---	---	---	---	-
---	550	---	---	---	---	---	---	---	---	---	-
---	---	---	---	---	---	---	---	---	---	---	-
---	---	---	---	---	---	---	---	---	---	---	-
---	---	---	---	250	750	---	---	---	---	---	-
---	---	---	---	1300	5400	---	---	---	---	---	-
---	---	---	---	6450	10100	---	---	---	550	10600	11500
---	---	550	550	1000	1700	---	---	---	600	9250	11400
---	---	5300	5250	500	600	---	---	---	800	---	8300
---	---	900	500	---	---	---	---	---	700	---	5500
---	---	500	---	---	---	---	---				

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		
DAY	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT
1	---	---	---	---	1250	1550	---	---	---	---	---	---
2	---	---	---	---		650	---	---	---	---	---	---
3	---	---	---	---	950	1450	---	---	---	---	---	---
4	---	650	700	---	5200	10900	---	---	---	---	---	---
5	600	700	650	---	1550	2400	---	---	---	---	---	---
6	600	750	600	---	---	---	---	---	---	---	---	---
7	600	850	550	---	---	---	---	---	---	---	---	---
8	550	550	550	---	---	---	---	---	---	---	---	---
9	4000	3700	550	---	---	---	---	---	---	---	---	---
10	6650	9100	600	---	---	---	---	---	---	---	---	---
11	15200	14900	550	---	---	---	---	---	---	---	---	---
12	19000	19000	650	---	---	---	---	---	---	---	---	---
13	19600	19100	1850	---	---	---	---	---	---	---	---	---
14	16800	16600	3250	---	---	---	---	---	---	---	---	---
15	---	---	2650	3950	---	---	---	---	---	---	---	---
16	10200	13200	650	700	---	---	---	---	---	---	---	---
17	6900	6950	---	---	---	---	---	---	---	---	---	---
18	4150	3900	---	---	---	---	---	---	---	---	---	---
19	2800	3300	---	---	---	---	---	---	---	---	---	---
20	1950	1650	21100	---	1200	1950	---	---	---	---	---	---
21	1750	1650	30600	---	---	---	---	---	---	---	---	---
22	1550	1450	21500	---	---	---	---	---	---	---	---	---
23	1450	1250	14000	---	---	---	---	---	---	---	---	---
24	---	---	9600	9050	4550	---	---	---	---	---	---	---
25	---	---	---	12800	8550	---	---	---	---	---	---	---
26	---	---	---	14600	1550	---	---	---	---	---	---	---
27	---	---	---	15600	---	---	---	---	---	---	---	---
28	---	---	14900	17000	---	---	---	---	---	---	---	---
29	---	---	6500	8250	---	---	---	---	---	---	---	---
30	---	---	2200	2900	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
DAY	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	2200	3800	---	---	---	---	---	---
8	---	---	---	---	4700	9500	---	---	---	---	---	---
9	---	---	---	---	6850	11100	---	---	---	900	11300	11900
10	---	---	2000	1700	2950	4950	---	---	---	1100	10000	12100
11	---	---	10600	11700	3700	3950	---	---	---	1200	---	9300
12	---	---	3750	3850	---	---	---	---	---	1000	---	6350
13	---	---	750	800	---	---	---	---	---	1050	---	5300
14	---	---	---	---	---	---	---	---	---	1100	---	5800
15	---	---	---	---	---	---	---	---	950	---	3450	7150
16	---	---	1700	1650	---	---	---	---	1500	---	2100	5050
17	---	---	1000	1200	---	---	---	---	---	---	1050	3250
18	---	---	---	---	---	---	---	---	---	---	---	2450
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	500	---	---	---	---	---	---	---	---
21	---	---	8500	8550	---	---	---	---	---	---	---	---
22	---	---	5700	9660	---	---	---	---	---	---	---	---
23	---	---	1450	2200	---	---	---	---	---	900	---	---
24	---	---	---	---	---	---	---	---	1350	---	---	---
25	---	---	---	---	---	---	---	---	7100	---	---	---
26	---	---	---	---	---	---	---	---	9500	---	---	---
27	---	---	---	---	---	---	---	---	5900	---	---	---
28	---	---	---	---	---	---	---	---	3900	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

MISSISSIPPI RIVER DELTA

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MAXIMUM VALUES

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT
1	3.8	4.9	---	---	6.0	7.9	---	---	6.2	---	8.4	6.6
2	4.1	5.2	---	---	5.8	7.4	---	---	6.2	---	8.5	5.4
3	3.2	4.5	---	---	6.5	8.6	---	---	6.4	---	---	---
4	3.9	4.7	---	---	7.2	10.9	6.3	6.9	6.3	---	---	---
5	3.8	4.6	---	---	6.0	8.6	6.2	6.8	6.5	---	---	---
6	4.3	4.7	---	---	6.2	8.1	6.3	6.4	6.9	---	---	---
7	4.9	4.4	5.4	6.4	6.7	8.3	6.7	7.1	7.3	---	---	6.4
8	5.6	4.4	5.4	6.4	6.7	8.7	7.0	7.9	7.7	---	---	6.4
9	5.5	5.4	7.0	6.2	7.2	8.8	7.5	7.5	7.9	---	---	5.6
10	5.0	5.1	8.2	8.0	7.7	9.0	7.5	7.5	8.0	---	---	4.5
11	4.6	5.9	7.8	---	8.1	9.5	7.8	8.3	8.0	---	---	3.7
12	---	6.9	9.0	---	8.0	9.9	7.4	8.1	7.6	---	---	3.0
13	---	7.5	8.9	---	7.6	8.9	---	---	7.1	8.3	---	2.8
14	---	7.6	8.6	---	7.3	8.2	---	---	6.9	7.7	5.3	2.2
15	---	---	8.0	---	7.2	7.7	---	---	6.6	7.9	5.8	2.5
16	---	---	7.8	9.4	---	---	---	---	6.4	7.6	5.8	2.5
17	---	---	7.6	8.9	---	---	---	---	6.2	7.4	5.9	2.5
18	4.5	---	7.5	8.9	---	---	7.0	---	6.4	7.7	5.9	---
19	4.8	---	7.4	8.0	---	---	6.9	---	6.8	7.0	6.2	---
20	4.7	---	8.7	9.6	8.4	8.0	7.2	---	7.3	6.1	6.2	---
21	5.2	---	8.8	10.9	8.5	8.4	7.0	---	8.0	6.9	6.0	---
22	5.2	---	8.1	10.7	8.4	8.5	6.9	---	8.2	7.0	6.0	5.4
23	5.1	---	7.1	8.0	8.2	8.1	6.6	---	8.2	6.7	6.0	5.9
24	---	---	7.0	7.6	8.4	7.1	6.4	---	8.1	5.4	6.6	6.0
25	---	---	---	9.1	8.7	7.2	6.3	---	8.2	5.7	7.0	6.8
26	---	---	---	8.9	8.3	7.8	6.2	---	8.4	5.5	7.3	7.3
27	---	---	---	9.7	7.3	---	5.9	---	8.6	5.8	7.2	7.2
28	---	---	---	8.3	---	---	6.3	---	8.2	6.0	6.8	---
29	---	---	---	7.5	5.0	7.6	6.4	---	---	---	6.7	---
30	---	---	---	8.5	5.1	9.1	6.1	---	---	---	6.9	---
31	---	---	---	---	---	9.1	5.9	---	---	---	6.9	---
MONTH	---	---	---	---	---	7.1	---	---	8.6	---	---	---
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT
1	7.6	---	6.4	7.1	5.8	---	---	5.9	4.4	4.4	---	---
2	7.3	---	6.6	6.9	5.3	---	---	5.6	4.3	3.9	---	---
3	7.7	---	6.5	6.5	4.6	---	---	5.1	3.9	3.2	---	---
4	7.3	---	6.0	5.6	4.3	---	---	4.7	4.1	3.2	---	---
5	7.6	---	6.1	5.7	4.0	---	---	4.5	4.0	3.7	---	---
6	7.4	---	5.6	5.2	3.8	---	---	4.3	3.9	3.0	---	---
7	8.6	---	5.4	5.7	3.7	---	---	4.6	4.1	2.7	---	---
8	9.2	---	5.3	6.0	3.7	---	---	4.9	3.8	3.6	---	---
9	8.9	---	5.0	5.7	3.7	---	---	4.6	4.5	4.4	5.7	6.3
10	8.6	---	4.8	5.6	3.3	---	---	4.6	5.1	4.4	4.9	5.8
11	---	---	5.2	5.8	2.3	---	5.5	4.6	4.5	3.9	3.0	3.8
12	---	---	5.4	5.2	---	---	5.6	4.9	4.2	3.4	2.2	2.3
13	---	---	6.0	5.2	---	---	5.4	4.4	4.7	3.3	2.2	1.8
14	---	---	6.3	5.0	---	---	4.9	3.8	4.9	3.2	2.2	3.7
15	---	---	6.6	5.9	---	---	5.2	3.8	4.6	3.3	1.8	1.8
16	---	---	6.8	5.7	---	---	5.1	3.1	3.7	2.6	1.5	2.4
17	7.9	7.5	6.2	5.7	---	---	5.6	3.2	3.8	2.8	1.5	---
18	8.4	7.4	6.2	5.5	---	---	5.5	4.4	4.2	3.2	2.3	---
19	8.4	7.6	5.6	---	---	---	5.1	4.4	---	---	---	---
20	8.0	8.0	5.8	---	---	5.1	5.0	4.1	---	---	---	---
21	7.7	7.2	6.0	---	---	5.0	4.4	4.3	3.8	3.6	---	---
22	7.9	---	6.2	6.0	---	5.1	3.9	4.2	3.6	---	---	---
23	7.0	---	6.4	6.9	---	5.2	3.6	3.6	3.5	0.6	---	---
24	7.0	---	6.1	6.3	---	5.7	3.7	3.4	3.6	1.6	7.7	5.7
25	6.8	---	5.8	6.3	---	6.3	4.8	4.8	3.4	2.2	7.5	7.6
26	---	7.0	6.0	6.2	---	6.9	5.0	4.8	4.1	3.7	6.2	7.2
27	---	7.3	6.5	---	---	6.1	4.8	4.3	4.1	4.2	4.6	4.5
28	---	7.5	6.2	---	---	6.4	4.6	3.7	3.5	4.1	5.8	4.2
29	---	7.7	6.1	---	---	8.1	4.6	3.6	---	---	4.8	3.9
30	---	7.4	5.5	5.8	---	6.9	4.4	---	---	---	6.3	3.8
31	---	---	6.0	---	---	---	4.3	---	---	---	---	---
MONTH	---	---	6.8	---	---	---	---	3.1	---	---	---	---

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MINIMUM VALUES

OCTOBER			NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT
1	2.9	4.3	---	---	5.7	4.5	---	---	5.7	---	8.0	4.9
2	2.3	4.0	---	---	5.3	4.7	---	---	5.8	---	8.1	4.5
3	2.8	3.9	---	---	5.2	5.3	---	---	6.0	---	---	---
4	2.8	4.1	---	---	6.0	7.2	6.1	6.0	5.8	---	---	---
5	3.0	3.9	---	---	5.6	6.6	6.0	4.7	5.8	---	---	---
6	3.5	4.1	---	---	6.0	5.3	6.2	5.5	6.7	---	---	---
7	4.2	3.8	5.1	6.1	6.2	6.5	6.1	6.4	6.8	---	---	5.7
8	4.8	3.8	5.1	4.5	6.5	6.9	6.7	6.8	6.9	---	---	5.0
9	4.4	3.6	5.4	4.5	6.5	5.9	7.0	6.8	7.5	---	---	4.0
10	3.6	3.8	7.0	6.5	6.9	6.3	7.1	7.2	7.5	---	---	3.2
11	2.7	3.8	7.4	---	7.5	6.1	7.4	7.5	7.5	---	---	2.5
12	---	5.2	7.8	---	7.6	7.4	7.0	7.1	7.1	---	---	2.3
13	---	6.7	8.3	---	6.1	6.9	---	---	6.9	7.4	---	1.9
14	---	6.3	7.9	---	7.1	6.7	---	---	6.4	6.7	5.1	1.7
15	---	---	5.4	---	---	3.4	---	---	6.2	6.3	5.1	1.8
16	---	---	6.5	6.3	---	---	---	---	6.1	5.9	5.5	1.8
17	---	---	7.1	6.9	---	---	---	---	6.0	5.7	5.4	1.6
18	4.5	---	7.1	6.6	---	---	6.8	---	6.1	5.9	5.4	---
19	3.8	---	7.0	5.5	---	---	6.5	---	6.4	6.0	5.8	---
20	4.7	---	7.3	6.9	7.9	7.4	6.9	---	6.8	5.6	5.5	---
21	4.7	---	7.4	8.3	8.2	5.8	6.7	---	7.2	5.6	5.6	---
22	5.2	---	7.0	6.5	8.1	4.9	6.6	---	7.7	5.6	5.8	4.7
23	5.1	---	6.6	5.6	7.9	5.5	6.3	---	8.0	4.8	5.7	4.5
24	---	---	6.4	5.8	7.9	5.8	6.1	---	7.8	3.9	6.0	5.1
25	---	---	---	5.8	7.9	5.8	5.9	---	7.9	4.1	6.4	6.0
26	---	---	---	7.0	7.3	5.4	5.8	---	8.1	4.1	7.0	6.7
27	---	---	---	7.6	5.8	---	5.6	---	8.4	3.7	6.9	5.6
28	---	---	---	7.2	---	---	5.8	---	7.9	5.3	6.3	---
29	---	---	5.8	5.0	4.4	5.6	6.0	---	---	---	6.3	---
30	---	---	5.7	4.7	4.6	6.1	5.8	---	---	---	6.7	---
31	---	---	---	---	---	7.0	5.7	---	---	---	6.7	---
MONTH	---	---	---	---	---	---	---	---	8.4	---	---	---
APRIL			MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT
1	7.0	---	6.1	6.5	5.3	---	---	5.4	3.5	3.4	---	---
2	7.0	---	6.1	6.5	4.6	---	---	5.1	3.5	1.6	---	---
3	7.0	---	5.9	5.6	4.2	---	---	4.5	3.6	2.9	---	---
4	7.0	---	5.6	4.8	4.0	---	---	4.3	3.4	2.6	---	---
5	6.8	---	5.6	4.4	3.5	---	---	4.1	3.4	2.5	---	---
6	6.9	---	5.2	4.4	2.9	---	---	4.0	3.4	2.5	---	---
7	7.4	---	5.0	4.2	2.9	---	---	4.2	3.6	2.1	---	---
8	8.1	---	4.8	5.0	3.2	---	---	4.6	3.1	1.5	---	---
9	8.2	---	4.5	4.9	3.2	---	---	4.1	3.2	2.9	4.9	5.9

MISSISSIPPI RIVER DELTA

329

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA.--Continued

TEMPERATURE (DEG. C) OF WATER * WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MAXIMUM VALUES

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT
1	28.5	---	---	---	19.0	18.5	---	---	19.0	19.5	14.0	14.5
2	28.5	---	---	---	18.5	18.0	---	---	19.5	19.5	---	16.0
3	28.5	---	---	---	19.5	19.0	---	---	20.0	20.0	---	16.0
4	29.0	---	22.5	---	20.0	20.0	13.0	13.0	21.0	21.0	---	17.5
5	29.0	---	22.5	22.5	19.0	18.0	12.5	13.5	21.0	---	---	18.5
6	29.5	---	22.0	22.5	18.0	17.0	13.0	14.0	19.0	---	---	20.0
7	29.0	---	22.0	21.5	17.0	15.5	13.0	13.5	18.5	---	---	21.5
8	29.5	---	22.5	22.5	15.5	14.0	14.0	16.5	17.5	---	---	22.0
9	30.0	---	22.5	22.5	14.5	13.5	15.5	17.0	15.0	---	---	21.5
10	29.0	---	21.5	21.0	13.5	13.0	17.0	18.0	14.5	---	---	21.5
11	28.5	---	20.5	20.0	12.5	12.0	19.0	18.5	13.5	---	---	22.5
12	28.0	---	22.0	---	13.5	13.5	18.0	16.5	14.0	---	---	23.0
13	27.5	---	20.5	---	14.5	14.0	---	---	15.0	14.5	---	23.5
14	28.5	---	20.5	---	14.0	13.5	---	---	16.0	15.5	22.5	22.0
15	---	---	22.0	22.0	18.0	17.0	---	---	17.0	16.0	22.0	21.0
16	29.0	29.0	21.0	22.5	---	---	---	---	17.5	16.5	21.5	21.0
17	27.5	27.5	20.5	21.5	---	---	---	---	17.0	16.0	21.0	20.5
18	26.0	26.5	20.5	21.5	---	---	19.0	---	17.0	16.0	21.5	21.0
19	25.5	26.0	21.0	21.5	---	---	19.0	---	17.0	16.0	22.0	21.0
20	25.0	25.5	23.0	24.0	---	---	19.5	---	16.5	16.0	22.5	22.0
21	24.0	24.5	23.0	23.5	---	---	19.0	---	17.5	17.0	22.5	21.0
22	24.0	24.5	22.5	22.5	---	---	18.5	18.0	16.0	15.5	21.0	20.5
23	24.0	24.5	23.0	24.5	---	---	20.0	19.0	15.5	14.5	20.5	20.5
24	---	---	23.5	24.5	---	---	20.5	20.0	15.0	15.0	20.0	19.5
25	24.0	---	23.5	26.0	---	---	20.0	20.0	14.5	13.5	18.5	---
26	---	---	24.0	---	---	---	19.5	20.0	13.5	13.0	17.0	17.0
27	---	---	23.5	---	---	---	19.5	20.5	12.5	12.5	17.0	17.0
28	---	---	23.0	---	---	---	19.5	19.5	13.0	13.5	18.0	18.5
29	---	---	21.0	21.0	---	---	19.5	19.5	---	---	20.0	21.5
30	---	---	20.0	19.5	---	---	19.5	19.5	---	---	20.5	21.0
31	---	---	---	---	---	---	19.0	19.0	---	---	21.5	23.5
MONTH	---	---	---	---	---	---	---	---	21.0	---	---	---
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT
1	21.5	22.0	24.5	24.0	28.0	29.0	27.0	26.5	29.5	29.5	---	---
2	22.5	23.0	25.0	25.0	28.5	30.0	27.5	27.0	30.0	29.5	---	---
3	23.5	23.5	25.5	25.5	28.5	29.5	29.0	28.5	29.5	29.0	---	---
4	23.0	23.5	25.5	26.0	29.0	29.5	28.5	28.5	29.0	29.0	---	---
5	22.0	22.5	26.0	25.5	29.5	29.5	29.0	28.5	29.5	29.0	---	---
6	21.5	23.0	25.5	25.5	29.5	30.0	28.5	28.5	29.0	28.5	---	---
7	21.0	22.5	26.0	25.0	29.0	30.0	28.5	28.5	28.5	28.0	---	---
8	22.0	23.5	26.5	26.0	28.5	29.0	28.0	27.5	28.5	28.5	---	---
9	21.5	23.0	26.5	26.0	28.5	29.5	28.5	28.5	29.5	29.5	26.5	26.5
10	21.0	22.0	25.5	25.0	29.5	30.5	29.5	29.0	29.5	30.0	27.5	28.0
11	---	---	26.0	25.0	29.5	30.5	29.5	29.5	29.5	29.5	27.5	28.0
12	---	---	26.0	26.0	---	---	30.0	30.0	29.5	29.5	27.5	29.5
13	---	---	26.0	26.0	---	---	30.0	30.0	29.0	29.5	28.0	29.5
14	---	---	26.0	25.5	---	---	30.0	30.0	29.5	29.5	28.0	30.0
15	---	---	26.0	25.5	---	---	30.0	30.0	29.5	29.5	28.0	29.0
16	---	---	27.0	26.0	---	---	30.0	30.0	29.5	30.0	28.0	29.5
17	22.0	22.0	27.5	27.0	---	---	30.0	30.0	30.0	30.0	28.5	29.5
18	22.5	22.0	28.0	27.5	---	---	30.0	30.0	30.0	30.0	28.5	29.5
19	22.0	22.0	27.5	27.5	---	---	30.0	30.0	---	---	---	---
20	22.5	22.5	27.0	26.5	29.5	29.5	30.0	30.0	---	---	---	---
21	22.5	22.5	26.5	26.0	29.5	29.5	30.0	30.0	30.0	30.0	---	---
22	23.0	22.5	27.0	26.5	29.0	29.0	30.0	30.0	30.5	30.5	---	---
23	22.5	22.0	27.0	27.5	29.0	29.5	30.0	30.0	30.5	30.5	---	---
24	23.0	23.0	27.0	27.5	28.0	29.0	30.0	30.0	30.5	30.5	26.0	26.0
25	23.0	23.0	27.5	28.0	27.5	28.0	30.0	30.0	30.0	30.0	26.0	26.0
26	23.5	23.0	27.5	27.5	27.5	27.5	29.5	29.5	30.0	30.0	26.5	27.0
27	23.5	23.0	27.5	27.5	26.5	26.0	29.5	29.5	30.0	30.5	27.0	27.5
28	23.5	23.5	27.0	28.0	26.5	26.0	29.5	29.5	30.0	30.5	27.0	28.0
29	24.0	24.0	28.0	28.5	26.0	25.5	29.5	29.5	---	---	27.0	28.0
30	24.0	24.5	28.5	29.0	26.0	26.0	29.5	29.5	---	---	26.0	26.5
31	---	---	28.5	29.0	---	---	29.5	29.5	---	---	---	---
MONTH	---	---	28.5	24.0	---	---	30.0	26.5	---	---	---	---

MISSISSIPPI RIVER DELTA

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA.--Continued

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MINIMUM VALUES

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

07381328 HOUMA NAVIGATION CANAL AT DULAC, LA.--Continued

TEMPERATURE (DEG. C) OF WATER , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT
1	28.0	---	---	---	18.5	17.5	---	---	19.0	18.5	13.0	13.0
2	28.0	---	---	---	18.0	17.5	---	---	19.5	19.0	---	14.5
3	28.0	---	---	---	8.5	18.5	---	---	19.5	19.5	---	15.0
4	28.0	---	22.5	---	19.5	19.0	13.0	13.0	20.5	20.0	---	16.5
5	28.0	---	22.0	22.5	18.5	17.5	12.5	13.5	19.5	---	---	17.5
6	28.5	---	22.0	22.0	17.5	16.5	12.5	13.5	18.5	---	---	18.5
7	29.0	---	22.0	21.0	16.0	14.5	12.5	13.0	18.5	---	---	20.5
8	29.0	---	22.0	22.0	14.5	13.5	13.0	14.5	16.5	---	---	20.5
9	29.0	---	22.0	22.0	14.0	12.5	14.0	15.5	14.5	---	---	20.5
10	29.0	---	21.0	20.5	13.0	12.0	15.5	17.0	13.5	---	---	21.0
11	28.5	---	20.0	19.5	12.0	11.5	17.5	17.5	13.5	---	---	21.5
12	27.5	---	20.0	---	13.0	12.5	17.0	15.5	13.5	---	---	22.0
13	27.0	---	20.0	---	14.0	13.5	---	---	15.0	14.0	---	22.0
14	27.5	---	20.0	---	13.5	13.0	---	---	15.5	14.5	22.0	21.0
15	---	---	21.5	22.0	14.5	13.5	---	---	16.5	15.5	21.5	20.5
16	28.0	28.0	20.5	21.5	---	---	---	---	17.0	16.0	21.0	20.5
17	26.5	26.5	20.0	20.5	---	---	---	---	16.5	15.5	20.5	19.5
18	25.5	26.0	20.0	20.5	---	---	18.5	---	16.5	15.5	20.5	20.0
19	25.0	25.0	20.5	20.5	---	---	19.0	---	16.5	15.5	21.0	20.0
20	24.5	24.5	22.0	22.0	---	---	19.0	---	16.0	15.5	22.0	21.0
21	23.5	24.0	22.5	22.5	---	---	19.0	---	16.5	16.0	22.0	20.0
22	23.5	24.0	22.0	22.5	---	---	18.5	17.5	15.0	14.0	20.5	20.0
23	23.5	24.0	22.5	23.0	---	---	19.0	18.5	14.5	13.5	20.5	20.0
24	---	---	23.0	23.5	---	---	20.0	19.0	14.5	14.0	19.5	19.0
25	24.0	---	22.0	24.5	---	---	19.5	19.0	14.0	12.5	18.0	---
26	---	---	23.5	---	---	---	19.5	19.0	13.0	12.0	17.0	16.5
27	---	---	22.5	---	---	---	19.0	19.0	12.0	11.5	16.5	16.5
28	---	---	21.5	---	---	---	19.5	19.0	12.5	12.5	17.5	17.5
29	---	---	20.0	19.0	---	---	19.0	19.0	---	---	19.0	19.5
30	---	---	19.5	18.5	---	---	19.0	19.0	---	---	19.5	19.5
31	---	---	---	---	---	---	19.0	18.5	---	---	21.0	21.5
MONTH	---	---	---	---	---	---	---	---	20.5	---	---	---
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT	TOP	BOT
1	21.5	21.0	24.0	24.0	28.0	28.0	26.5	26.0	29.5	29.5	---	---
2	22.5	22.0	24.5	24.0	28.0	28.0	26.5	26.0	29.0	29.0	---	---
3	23.5	23.0	25.0	24.5	28.5	28.5	28.0	27.5	29.0	28.5	---	---
4	22.5	22.5	25.0	25.0	28.5	28.5	28.0	28.0	28.5	28.0	---	---
5	21.5	20.5	25.0	24.5	28.5	29.0	28.0	28.0	28.5	28.0	---	---
6	21.0	20.5	25.0	24.5	29.0	29.0	28.0	28.0	28.5	28.0	---	---
7	21.0	21.0	25.0	24.5	28.5	29.0	28.0	27.5	28.0	27.5	---	---
8	21.0	21.5	25.5	25.0	28.0	29.0	27.5	27.0	28.0	28.0	---	---
9	20.5	20.5	25.5	25.0	28.0	28.5	28.0	27.5	28.5	28.5	26.5	26.0
10	20.5	20.0	25.0	24.5	29.0	29.5	28.5	28.5	29.0	29.0	26.5	27.0
11	---	---	25.5	24.5	29.0	29.5	29.5	29.5	29.0	29.5	27.0	27.5
12	---	---	25.5	25.0	---	---	29.5	29.5	29.0	29.0	27.0	28.0
13	---	---	26.0	25.5	---	---	29.5	29.5	28.5	29.0	27.5	28.5
14	---	---	25.5	25.0	---	---	29.5	29.5	29.0	29.5	27.5	29.0
15	---	---	25.5	25.0	---	---	29.5	29.5	29.0	29.5	28.0	28.5
16	---	---	26.0	25.5	---	---	29.5	29.5	29.0	29.0	28.0	29.0
17	21.5	21.5	26.5	26.0	---	---	29.5	29.5	29.5	29.5	28.0	29.0
18	22.0	21.5	27.0	26.5	---	---	29.5	29.5	29.5	29.5	28.5	29.0
19	22.0	21.5	27.5	26.5	---	---	30.0	30.0	---	---	---	---
20	22.0	22.0	27.0	26.5	29.5	29.5	30.0	30.0	---	---	---	---
21	22.0	22.0	26.0	25.0	29.5	29.5	29.5	29.5	30.0	30.0	---	---
22	22.5	22.0	26.0	25.5	28.5	29.0	30.0	30.0	30.0	30.0	---	---
23	22.5	22.0	26.5	26.5	29.0	29.0	30.0	30.0	30.0	30.0	---	---
24	22.5	22.0	27.0	27.0	27.5	29.0	30.0	30.0	30.0	30.0	26.0	25.5
25	22.5	22.0	27.0	27.5	27.5	27.5	29.5	29.5	30.0	30.0	25.5	25.5
26	21.0	22.5	27.0	27.0	27.0	27.0	29.5	29.0	30.0	30.0	26.0	26.5
27	20.5	22.5	27.0	27.0	26.0	26.0	29.5	29.5	30.0	30.0	26.5	27.0
28	22.0	23.0	26.5	27.0	26.0	29.5	29.5	29.5	30.0	30.0	26.5	27.5
29	23.5	23.5	27.0	28.0	25.5	25.0	29.5	29.5	---	---	26.5	27.0
30	24.0	23.5	28.0	28.0	25.5	25.0	29.5	29.0	---	---	25.5	25.5
31	---	---	28.0	28.0	---	---	29.5	29.5	---	---	---	---
MONTH	---	---	28.0	24.0	---	---	30.0	26.0	---	---	---	---

MISSISSIPPI RIVER DELTA

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA.

LOCATION.--Lat 39°50'57", long 91°47'54", in NE¼ SW¼ sec.7, T.1 S., R.7 E., Louisiana meridian, Avoyelles Parish, at gaging station near right bank on Kansas City Southern Railway bridge, 0.4 mi (0.6 km) east of town of Simmesport, 0.5 mi (0.8 km) upstream from State Highway 1, and 4.9 mi (7.9 km) downstream from confluence of Red River and Old River (head of Atchafalaya River).

DRAINAGE AREA.--Approximately 87,570 mi² or 226,810 km² (see REMARKS).

PERIOD OF RECORD.--Chemical analyses: November 1972 to September 1974 (partial-record station).

REMARKS.--Flow consists of that from the Red River and controlled diversion from the Mississippi River by way of Old River control structure. Drainage area does not include non-contributing area or Mississippi River area.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MANGANESE (MN) (UG/L)	DIS- SOLVED CALCIUM (CA) (MG/L)	DIS- SOLVED MAGNESIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)
OCT.											
18...	--	40	10	30	15	30	4.7	121	0	99	43
31...	7.8	--	--	26	12	22	4.9	118	0	97	35
DEC.											
07...	5.0	--	--	25	10	20	4.2	97	0	80	35
JAN.											
16...	1.0	0	33	22	5.4	13	2.8	79	0	65	26
FEB.											
07...	7.0	--	--	--	--	--	--	82	0	67	28
MAR.											
07...	6.4	--	--	26	7.4	13	2.6	83	0	68	27
APR.											
17...	5.0	--	--	31	8.7	16	2.2	100	0	82	35
MAY											
09...	6.5	--	--	35	8.6	16	2.5	106	0	87	33
JUNE											
13...	6.2	--	--	32	9.0	15	2.8	105	0	86	34
JULY											
03...	6.7	20	8	34	9.6	11	2.9	108	0	89	29
AUG.											
15...	1.5	--	--	44	14	25	3.0	151	0	124	52
SEP.											
12...	4.4	--	--	32	9.9	23	3.0	107	0	88	43

DATE	DIS- SOLVED CHLORIDE (CL) (MG/L)	DIS- SOLVED FLUORIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRATE (NO ₃) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	HARD- NESS (CA+MG) (MG/L)	NON- CARBONATE HARD- NESS (MG/L)	PERCENT SODIUM
OCT.											
18...	35	.4	.52	2.3	.11	245	--	.33	140	37	31
31...	25	.3	1.3	5.8	--	210	197	.29	110	18	28
DEC.											
07...	22	.3	.58	2.0	--	205	168	.28	100	24	29
JAN.											
16...	14	.0	.92	4.1	--	164	129	.22	81	16	25
FEB.											
07...	14	.2	--	--	--	168	--	.23	--	--	--
MAR.											
07...	10	.1	1.1	4.7	--	161	144	.22	95	27	22
APR.											
17...	15	.2	.61	2.7	--	181	159	.25	110	31	18
MAY											
09...	18	.2	--	--	--	176	172	.24	120	36	22
JUNE											
13...	22	.3	--	--	--	233	173	.32	120	31	21
JULY											
03...	14	.3	--	--	.24	190	161	.26	120	36	16
AUG.											
15...	28	.3	--	--	.16	252	242	.34	170	46	24
SEP.											
12...	26	.2	--	--	--	216	194	.29	120	32	29

MISSISSIPPI RIVER DELTA

333

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	SODIUM AD- SORP- TION RATIO	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT. 18...	1.1	410	7.7	21.5	10	--	7.9	--	3.9	--	--
31...	.9	349	8.1	--	20	--	--	--	1.5	--	--
DEC. 07...	.9	312	7.4	13.0	30	--	8.5	2.2	6.2	500	1300
JAN. 16...	.6	248	7.5	6.0	60	40	10.1	2.8	4.0	300	--
FEB. 07...	--	248	7.3	10.5	60	76	9.5	2.0	6.6	--	640
MAR. 07...	.6	261	7.5	15.0	100	--	10.0	3.2	4.2	320	--
APR. 17...	.5	289	7.3	16.5	70	77	9.0	3.4	8.0	840	680
MAY 09...	.5	311	7.6	21.5	70	110	7.5	1.6	4.3	600	6000
JUNE 13...	.6	325	7.6	24.5	--	202	6.6	1.0	4.2	200	130
JULY 03...	.4	290	7.7	25.5	30	85	6.2	1.1	3.4	220	--
AUG. 15...	.8	446	7.9	29.5	10	50	6.9	3.2	3.0	70	16
SEP. 12...	.9	352	7.6	25.0	10	75	6.7	.8	4.3	480	180

DATE	ALDRIN (UG/L)	CHLOR- DANE (UG/L)	DDO (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- AZINON (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	METHYL PARA- THION (UG/L)
OCT. 14...	.00	.0	.00	.00	.00	.02	.01	.01	.00	.00	.00	.00
JAN. 15...	.00	.0	.00	.00	.00	.07	.00	.00	.00	.00	.00	.00
APR. 17...	--	--	--	--	--	--	--	--	--	--	--	--
JULY 03...	.00	.0	.00	.00	.00	.12	<.01	.00	.00	.00	.00	.00

DATE	PARA- THION (UG/L)	PCB (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVER (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT. 14...	.00	.0	.00	.01	.00	3	1	0	4	3	.0	0
JAN. 15...	.00	.0	.00	.00	.00	4	0	0	0	8	1.0	6
APR. 17...	--	--	--	--	--	--	--	--	--	--	.4	--
JULY 03...	.00	.0	.04	.02	.01	2	0	0	4	0	.3	10

MISSISSIPPI RIVER DELTA

07381590 WAX LAKE OUTLET AT CALUMET, LA.

LOCATION.--Lat 29°42'09", long 91°22'07", in lot 56, T.15 S., R.11 E., St. Mary Parish, at bridge on U.S. Highway 90, 0.5 mi (0.8 km) west of Calumet, and 4.0 mi (6.4 km) west of Patterson.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Chemical analyses: December 1973 to September 1974 (partial-record station)

REMARKS.--Relief outlet for Atchafalaya basin; tide affected except at high stages.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER

	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	ALKA- LINITY AS CaCO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL NITRATE (N) (MG/L)
DATE									
OCT. 18...	8.7	40	38	10	125	103	44	.49	.70
DEC. 13...	6.0	10	33	6.7	98	80	38	.44	.45
MAR. 12...	6.4	80	23	10	87	71	28	.22	.45
MAY 07...	8.5	90	33	7.7	100	82	34	.50	.93
JUNE 13...	--	0	--	--	112	92	33	.29	--
26...	--	50	--	--	106	87	23	.29	--
JULY 10...	--	--	--	--	98	80	16	.22	.63
31...	--	40	--	--	124	102	180	.25	.63
AUG. 07...	--	--	--	--	129	106	180	.10	.68
21...	--	--	--	--	154	126	52	.31	.27
SEP. 05...	--	20	--	--	139	114	160	.10	.07
19...	--	40	--	--	96	79	75	.20	.25

	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)
DATE										
OCT. 18...	--	.37	.18	240	464	140	34	382	8.1	22.0
DEC. 13...	--	.00	.58	187	689	110	30	313	8.0	12.0
MAR. 12...	--	.12	.40	148	158	100	29	242	7.7	16.5
MAY 07...	.93	.00	.23	172	180	110	32	278	7.5	21.5
JUNE 13...	--	--	--	--	--	130	38	326	8.2	--
26...	--	--	--	--	236	100	13	297	7.8	--
JULY 10...	--	--	--	--	--	150	70	287	7.7	--
31...	--	--	--	--	99	170	68	340	7.7	--
AUG. 07...	--	--	--	--	--	150	44	374	7.4	--
21...	--	--	--	--	--	210	84	440	6.9	--
SEP. 05...	--	--	--	--	39	--	--	--	8.1	--
19...	--	--	--	--	125	150	71	335	8.0	--

MISSISSIPPI RIVER DELTA

335

07381590 WAX LAKE OUTLET AT CALUMET, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT. 18...	--	180	6.7	1.2	--	--	9000	900	400	--
DEC. 13...	--	240	9.0	--	--	--	2000	--	350	12
MAR. 12...	--	90	8.2	1.5	1.4	.5	1200	30	<20	6.5
MAY 07...	--	90	5.5	.8	--	--	5200	53	48	6.5
JUNE 13...	20	99	5.9	2.6	--	--	2000	400	--	13
26...	100	110	7.8	.4	--	--	1000	280	--	7.1
JULY 10...	60	90	5.4	.3	--	--	950	310	--	7.9
31...	40	61	5.8	1.2	--	--	420	60	--	6.9
AUG. 07...	30	33	6.2	1.1	--	--	1100	30	--	--
21...	50	10	6.5	.6	--	--	130	4	--	--
SEP. 05...	5	45	7.4	1.4	--	--	500	18	--	20
19...	50	95	6.1	1.4	--	--	280	20	--	9.9

DATE	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	ALDRIN (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)
OCT. 18...	--	--	--	--	--	--	--	--	--
JUNE 13...	--	0	--	.00	.0	.00	.00	.00	<.00
26...	.00	4	1	--	--	--	--	--	--
JULY 10...	.00	0	1	--	--	--	--	--	--
31...	.00	0	2	.00	.0	.00	.00	.00	<.01
AUG. 07...	.00	0	3	.00	.0	.00	.00	.00	.00
21...	.00	6	1	.00	.0	.00	.00	.00	<.01
SEP. 05...	.00	3	2	.00	.0	.00	.00	.00	<.01
19...	.00	0	2	.00	.0	.00	.00	.00	<.01

DATE	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	PCB (UG/L)	TOX- APHENE (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)
OCT. 18...	--	--	--	--	--	--	--	0	--
JUNE 13...	.00	.00	.00	.00	.0	--	--	--	--
26...	--	--	--	--	--	--	2	0	4
JULY 10...	--	--	--	--	--	--	--	--	--
31...	.00	.00	.00	.00	.0	0	4	2	1
AUG. 07...	.00	.00	.00	.00	.0	0	--	--	--
21...	<.01	.00	.00	.00	.0	0	--	--	--
SEP. 05...	<.01	.00	.00	.00	.0	0	3	1	0
19...	<.01	.00	.00	.00	.0	0	3	1	0

MISSISSIPPI RIVER DELTA

07381590 WAX LAKE OUTLET AT CALUMET, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT. 18...	2	0	10	--	6	.0	--	--	10
JUNE 13...	--	--	--	--	--	--	--	--	--
26...	1	0	--	--	3	--	.1	3	3
JULY 10...	--	--	--	--	--	--	--	--	--
31...	0	0	--	2	1	.1	.1	30	1
AUG. 07...	0	0	--	5	0	.1	.1	20	5
21...	1	0	--	5	0	.1	.1	50	10
SEP. 05...	0	0	--	--	--	.2	.0	50	10
19...	2	0	--	7	8	.0	.1	30	6

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA.

LOCATION.--Lat 29°42'09", long 91°22'07", on line between lots 1 and 6, T.15 and 16S., R.12 E., St. Mary Parish, at bridge on U.S. Highway 90, at Morgan City.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Chemical analyses: December 1973 to September 1974 (partial-record station).

REMARKS.--Flow from Atchafalaya basin; tide affected except at high stages.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CAC03 (MG/L)	DIS-SOLVED SULFATE (S04) (MG/L)	DIS-SOLVED NITRATE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
OCT. 18...	8.8	70	37	11	123	101	42	--	.39	.88	--
NOV. 15...	7.8	20	34	8.5	119	98	38	--	.25	.13	--
DEC. 13...	6.0	10	32	8.3	96	79	40	--	.53	.50	--
JAN. 14...	6.7	10	26	6.6	80	66	32	--	.37	.52	--
FEB. 12...	4.2	10	28	6.8	85	70	28	--	.27	.86	--
MAR. 12...	6.5	80	26	8.0	94	77	28	--	.22	.47	--
APR. 09...	7.5	60	30	9.7	97	80	34	--	.25	.70	--
MAY 07...	6.2	40	30	9.2	100	82	33	--	.33	.93	.93
JUNE 13...	--	--	--	--	112	92	--	--	.32	1.1	--
26...	--	30	--	--	107	88	32	--	.30	.5	--
JULY 09...	5.0	40	40	12	104	85	35	--	.24	1.0	1.0
30...	--	80	--	--	128	105	--	--	.17	.27	--
AUG. 07...	6.0	10	38	14	129	106	43	--	.14	1.2	1.2
21...	--	--	--	--	160	131	83	--	.10	.19	--
SEP. 05...	--	20	--	--	140	115	56	--	.11	.22	--
19...	5.8	30	29	8.8	94	77	38	--	.20	.73	.73

DATE	AMMONIA NITROGEN (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	SUSPENDED SOLIDS (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)
OCT. 18...	.00	.34	--	--	247	399	140	37	381	8.1	23.0
NOV. 15...	.00	.27	--	--	208	214	120	22	348	8.2	16.0
DEC. 13...	.00	.30	--	--	178	720	110	31	309	8.0	12.5
JAN. 14...	.00	.70	--	--	143	381	92	26	237	8.0	6.5
FEB. 12...	.00	.13	--	--	157	293	98	28	249	7.7	9.5
MAR. 12...	.00	.00	--	--	155	163	98	21	247	8.1	15.0
APR. 09...	.00	.29	--	--	187	152	120	35	295	7.9	16.0
MAY 07...	.00	.11	--	--	152	331	110	31	278	7.5	21.5
JUNE 13...	--	--	--	--	--	--	130	38	351	7.8	--
26...	--	--	--	--	--	244	110	22	358	8.0	--
JULY 09...	.00	.11	--	--	264	256	150	63	300	7.7	26.0
31...	--	--	--	--	--	262	160	55	374	7.7	--
AUG. 07	.00	.56	.56	1.8	294	190	150	44	368	7.9	27.5
21	--	--	--	--	--	--	210	79	559	7.7	--
SEP. 05...	--	--	--	--	--	39	210	95	424	8.1	--
19...	.00	.60	.60	1.3	192	180	110	33	318	7.7	24.5

MISSISSIPPI RIVER DELTA

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT.										
18...	--	180	7.0	1.6	--	--	8800	720	290	10
NOV.										
15...	--	110	6.6	--	2.0	.0	--	--	--	10
DEC.										
13...	--	240	7.1	--	--	--	4800	700	640	12
JAN.										
14...	--	110	12.0	--	2.8	2.6	--	--	--	8.0
FEB.										
12...	--	120	8.0	--	7.8	9.8	--	--	--	3.0
MAR.										
12...	--	90	8.1	1.6	4.8	8.0	2000	60	60	6.5
APR.										
09...	--	80	7.6	--	1.7	3.4	--	--	--	4.5
MAY										
07...	--	90	6.5	1.5	1.0	.0	5000	80	20	8.6
JUNE										
13...	40	120	5.9	2.6	--	--	1600	200	--	--
26...	90	210	7.6	3.5	--	--	850	280	--	11
JULY										
09...	--	100	5.2	.8	12	17	6600	640	24	12
31	40	52	5.4	1.3	--	--	370	52	--	4.5
AUG.										
07...	--	70	4.1	--	--	--	--	--	--	5.3
21...	50	30	6.9	1.3	--	--	64	12	--	--
SEP.										
05...	50	40	7.2	1.2	--	--	130	20	--	6.4
19...	--	90	6.8	--	--	--	--	--	--	5.9

DATE	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	ALDRIN (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)
OCT.											
18...	--	--	--	.00	.0	.00	.00	.00	.01	.00	.00
MAR.											
12...	--	--	--	.00	.0	.00	.00	.00	.00	.00	.00
JUNE											
13...	.00	0	7	--	--	--	--	--	--	--	--
26...	.00	0	1	.00	.0	.00	.00	.00	.00	.00	.00
JULY											
09...	--	--	--	.00	.0	.00	.00	.00	.01	.00	.00
31...	.00	5	3	.00	.0	.00	.00	.00	<.01	.00	.00
AUG.											
07...	.00	0	2	.00	.0	.00	.00	.00	.00	.00	.00
21...	--	6	--	.00	.0	.00	.00	.00	<.01	<.01	.00
SEP.											
05...	.00	3	0	.00	.0	.00	.00	.00	<.01	<.01	.00
19...	.00	0	0	.00	.0	.00	.00	.00	<.01	<.01	.00

MISSISSIPPI RIVER DELTA

339

07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	HEPTA- CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	PCB (UG/L)	TOX- APHENE (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)	TOTAL ARSENIC (AS) (UG/L)
OCT. 18...	.00	.00	.00	.00	.00	.0	--	.03	.00	.00	--
MAR. 12...	.00	.00	.00	.00	.00	.0	0	.00	.00	.00	--
JUNE 13...	--	--	--	--	--	--	--	--	--	--	6
26...	.00	.00	--	--	--	.0	0	--	--	--	1
JULY 09...	.00	.00	--	--	--	.0	0	.02	.01	.01	--
31...	.00	.00	--	--	--	.0	0	--	--	--	3
AUG. 07...	.00	.00	--	--	--	.0	0	--	--	--	2
21...	.00	.00	--	--	--	.0	0	--	--	--	1
SEP. 05...	.00	.00	--	--	--	.0	0	--	--	--	2
19...	.00	.00	--	--	--	.0	0	--	--	--	3

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT. 18...	0	--	--	0	5	--	7	.0	--	--	0
MAR. 12...	--	--	--	--	--	--	--	--	--	--	--
JUNE 13...	0	3	--	4	--	--	10	--	.1	40	3
26...	0	2	0	0	--	0	0	--	.2	40	0
JULY 09...	2	--	0	--	6	--	0	.5	--	--	20
31...	1	1	1	0	--	1	1	.2	.1	20	9
AUG. 07...	2	0	0	0	--	4	--	.0	.0	20	10
21...	1	0	--	0	--	6	4	.1	.0	20	0
SEP. 05...	2	0	0	0	--	13	13	.0	.0	30	20
19...	2	19	3	0	--	13	12	.1	.1	20	2

LOCATION.--Lat 29°57'18", long 91°42'54", in lot 28, T.12 S., R.7 E., Iberia Parish, on left bank of privately owned turn-span bridge, 2.8 mi (3.0 km) southeast of Olivier and 13.8 mi (22.2 km) upstream from C, D, & N Canal.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Chemical analyses: October 1973 to September 1974.

Water temperatures: November 1973 to September 1974.

[illegible]

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

FEBRUARY				MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.7	0.0	---	8.8	6.3	8.3	7.6	7.2	7.4	4.1	3.7	3.9
2	5.3	0.0	---	8.6	4.2	7.1	7.6	6.9	7.2	8.4	3.1	4.8
3	4.7	0.0	---	---	---	---	7.2	6.8	7.1	8.1	2.4	4.5
4	---	---	---	---	---	---	11.7	5.3	8.0	3.5	3.0	3.3
5	---	---	---	---	---	---	6.2	5.6	5.9	---	---	---
6	5.0	0.0	2.9	---	---	---	6.3	5.5	5.8	---	---	---
7	5.4	0.0	---	---	---	---	6.0	5.0	5.4	---	---	---
8	4.7	4.1	4.4	---	---	---	6.5	5.8	6.1	---	---	---
9	4.7	4.0	4.4	4.3	3.4	3.8	6.8	5.8	6.3	---	---	---
10	4.7	3.7	4.3	3.8	1.7	3.3	6.8	6.4	6.7	---	---	---
11	4.5	3.1	3.7	3.5	2.6	3.2	---	---	---	---	---	---
12	---	---	---	4.0	2.1	2.5	---	---	---	---	---	---
13	---	---	---	4.2	3.9	4.1	---	---	---	---	---	---
14	---	---	---	4.6	4.2	4.4	---	---	---	---	---	---
15	---	---	---	4.6	3.6	4.1	---	---	---	---	---	---
16	---	---	---	4.8	4.1	4.4	---	---	---	---	---	---
17	---	---	---	5.0	4.1	4.4	6.3	6.0	6.1	---	---	---
18	---	---	---	5.1	4.5	4.8	6.5	6.1	6.3	---	---	---
19	---	---	---	5.0	4.5	5.0	6.4	6.1	6.3	---	---	---
20	9.0	7.2	8.7	4.6	4.0	4.3	6.7	6.2	6.4	---	---	---
21	9.3	2.7	6.9	5.3	4.3	4.8	6.5	5.2	6.0	---	---	---
22	9.5	8.7	9.2	5.4	4.2	4.6	5.5	5.0	5.3	---	---	---
23	9.7	8.9	9.1	5.6	5.1	5.4	5.1	0.4	4.2	---	---	---
24	9.3	8.0	8.9	6.0	5.5	5.7	5.1	2.0	4.3	---	---	---
25	9.6	9.1	9.4	6.7	5.8	6.4	5.0	3.6	4.3	---	---	---
26	9.8	9.1	9.5	7.1	6.7	6.8	5.0	4.1	4.7	---	---	---
27	9.8	9.1	9.5	8.0	7.1	7.8	5.1	4.3	4.8	---	---	---
28	10.3	8.1	9.4	8.0	7.2	7.8	5.1	4.6	4.9	---	---	---
29	---	---	---	7.3	5.6	6.9	4.8	4.1	4.5	---	---	---
30	---	---	---	6.8	6.1	6.5	4.3	3.1	4.1	---	---	---
31	---	---	---	6.6	6.1	6.4	---	---	---	6.5	5.6	6.2
MONTH	---	---	---	---	---	---	---	---	---	---	---	---
JUNE				JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.5	5.2	6.4	---	---	---	---	---	---	---	---	---
2	6.7	4.7	5.6	---	---	---	---	---	---	---	---	---
3	5.3	3.7	4.4	---	---	---	---	---	---	---	---	---
4	5.0	3.8	4.5	---	---	---	---	---	---	---	---	---
5	4.7	3.5	4.1	---	---	---	---	---	---	---	---	---
6	4.6	2.5	3.6	---	---	---	---	---	---	---	---	---
7	3.7	2.8	3.2	---	---	---	---	---	---	---	---	---
8	3.5	3.2	3.3	---	---	---	---	---	---	---	---	---
9	5.8	2.5	3.4	---	---	---	---	---	---	---	---	---
10	4.0	2.7	3.6	---	---	---	4.2	0.3	2.4	---	---	---
11	4.1	3.2	3.7	---	---	---	5.0	3.3	3.9	3.2	1.5	2.9
12	3.6	2.4	3.0	---	---	---	5.3	1.0	4.1	3.1	0.9	2.2
13	3.5	2.3	2.8	---	---	---	5.2	0.7	1.9	3.1	1.1	2.0
14	3.7	2.3	3.1	---	---	---	5.1	0.7	1.6	---	---	---
15	3.2	2.9	3.0	---	---	---	5.3	3.5	4.5	---	---	---
16	4.3	3.0	3.4	---	---	---	7.6	2.6	4.8	---	---	---
17	4.0	3.1	3.5	---	---	---	6.8	4.7	5.4	---	---	---
18	3.8	2.7	3.3	---	---	---	6.1	4.8	5.4	---	---	---
19	3.2	1.9	2.6	---	---	---	7.3	4.8	5.7	---	---	---
20	2.7	1.9	2.1	---	---	---	6.7	4.9	5.6	1.8	0.3	1.4
21	2.9	2.4	2.7	---	---	---	6.8	4.7	5.6	1.4	1.0	1.1
22	3.1	2.4	2.7	---	---	---	6.4	4.7	5.5	1.4	1.1	1.3
23	3.3	2.7	2.9	---	---	---	6.5	3.5	4.8	2.0	1.2	1.6
24	3.5	2.8	3.0	---	---	---	5.6	3.5	4.7	3.0	1.4	1.8
25	4.6	2.9	3.3	---	---	---	6.0	3.1	4.8	1.7	1.5	1.6
26	---	---	---	---	---	---	---	---	---	2.9	1.4	1.7
27	---	---	---	---	---	---	---	---	---	3.5	1.3	1.8
28	---	---	---	---	---	---	---	---	---	2.8	2.5	2.6
29	---	---	---	---	---	---	---	---	---	2.8	2.5	2.7
30	---	---	---	---	---	---	---	---	---	2.3	2.6	2.8
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

OCTOBER NOVEMBER DECEMBER JANUARY

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

343

07385750 BAYOU TECHE NEAR OLIVIER, LA.--Continued

[illegible]

MISSISSIPPI RIVER DELTA

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA.

LOCATION.--Lat 30°09'45", long 92°03'20", Lafayette Parish, at bridge on State Highway 3073, 4.1 mi (6.6 km) downstream from Coulee Mine, 5.1 mi (8.2 km) downstream from Pinhook Bridge, and 4.8 mi (7.7 km) southwest of Central School at Lafayette.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Chemical analyses: October 1969 to September 1974.

Water temperatures: October 1970 to September 1974.

EXTREMES.--1973-74:

Specific conductance: Maximum, 610 micromhos Apr. 13; minimum, 50 micromhos Jan. 21, Feb. 4, 5, June 20.

REMARKS.--Continuous records are collected at this station. Probes are 2 ft (0.6 m) from river bottom.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MANG- NESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	ALKA- LINIT- AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)
OCT. 25...	--	240	230	--	--	--	--	--	--	--	--	--
NOV. 15...	7.9	--	--	--	--	--	4.3	34	28	5.6	20	.1
DEC. 05...	11	--	--	--	--	--	4.3	59	48	6.5	75	.1
JAN. 08...	3.9	100	57	8.2	2.8	12	3.6	41	34	6.6	16	.1
FEB. 05...	4.3	--	--	--	--	--	--	29	24	3.6	8.9	.1
MAR. 12...	8.3	--	--	--	--	--	--	43	35	5.9	20	.1
APR. 16...	8.2	--	--	15	4.6	22	2.8	66	54	7.4	32	.2
MAY 07...	6.9	--	--	11	3.2	14	2.2	39	32	6.4	17	.2
JUNE 12...	12	--	--	19	5.6	21	3.2	86	71	10	31	.3
JULY 01...	8.8	70	110	15	5.5	12	3.1	53	43	9.4	26	.2
AUG. 14...	13	--	--	22	10	26	3.5	117	96	11	33	.4
SEP. 10...	6.0	--	--	8.1	4.4	5.7	4.1	32	26	3.7	5.8	.1
DATE	SOLVED SOLIDS (RESID- UE AT 180 C) (MG/L)	SOLVED SOLIDS (SUM OF CONSTIT- UENTS) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NOV- CAR- BONATE HARD- NESS (MG/L)	CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)
OCT. 25...	--	--	--	--	--	--	24.0	--	73	1.8	3.5	1600
NOV. 15...	108	--	--	--	146	7.0	20.0	100	55	7.8	7.8	6000
DEC. 05...	221	--	--	--	371	7.0	16.5	100	30	5.3	4.4	5400
JAN. 08...	--	75	32	0	133	6.8	11.5	90	44	7.1	2.9	19000
FEB. 05...	97	--	--	--	87	6.6	16.0	100	86	5.4	1.7	3100
MAR. 12...	154	--	--	--	161	6.7	22.0	100	86	3.8	3.3	8500
APR. 16...	145	125	55	2	235	7.0	20.0	200	96	8.7	7.4	1800
MAY 07...	100	80	41	9	139	6.9	23.0	100	110	5.7	5.5	97000
JUNE 12...	180	152	75	4	268	7.1	28.5	90	75	2.6	3.7	31000
JULY 01...	102	106	50	17	164	7.0	30.0	200	50	3.4	--	4200
AUG. 14...	--	162	96	0	332	7.6	27.0	30	30	3.8	1.4	8500
SEP. 10...	50	54	38	12	88	6.6	23.5	50	60	3.2	3.2	3200

345

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

[illegible][illegible]

MISSISSIPPI RIVER DELTA

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) * WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	360	115	230	355	270	312	200	105	128	175	130	154
2	340	75	145	460	260	330	265	115	185	170	135	153
3	275	60	155	---	---	---	230	160	177	165	140	153
4	260	90	163	---	---	---	220	200	206	150	95	125
5	240	95	163	---	---	---	290	150	210	105	90	100
6	285	100	169	---	---	---	245	220	233	160	100	122
7	265	90	177	---	---	---	350	220	266	115	100	108
8	255	80	157	---	---	---	320	220	264	240	115	168
9	315	105	191	---	---	---	240	220	228	220	125	168
10	285	160	208	---	---	---	225	200	211	165	110	135
11	435	185	274	---	---	---	260	205	229	135	95	105
12	440	145	263	---	---	---	300	200	219	110	90	99
13	470	215	259	---	---	---	---	---	---	115	100	103
14	590	195	361	95	50	68	---	---	---	155	105	127
15	360	195	262	210	85	113	---	---	---	175	120	150
16	315	120	233	85	50	54	---	---	---	215	120	156
17	235	120	150	90	50	69	---	---	---	165	125	140
18	200	195	198	105	80	89	---	---	---	210	145	168
19	225	175	210	220	100	139	---	---	---	215	100	145
20	255	100	180	220	105	159	330	135	196	115	70	92
21	295	230	254	305	100	173	405	155	229	100	50	80
22	305	255	275	350	125	217	220	155	186	120	75	96
23	255	155	170	260	125	187	220	170	196	115	95	102
24	260	200	219	300	160	206	285	210	235	105	90	99
25	240	200	212	225	150	188	245	150	189	115	65	91
26	290	225	270	290	160	210	150	100	119	115	80	100
27	330	285	291	335	200	258	125	100	105	115	90	103
28	290	185	264	225	105	210	120	100	111	105	75	91
29	220	160	195	155	140	131	195	120	155	95	70	79
30	255	160	204	195	115	145	215	150	173	85	70	76
31	365	170	271	---	---	---	220	140	186	90	75	78
MONTH	590	60	218	---	---	---	---	---	---	240	50	118
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	105	85	96	220	130	177	165	120	153	190	110	139
2	115	100	104	200	150	168	220	95	127	235	110	165
3	115	80	102	450	155	210	220	165	205	220	105	155
4	85	50	65	580	200	343	220	150	176	300	110	186
5	105	50	80	235	195	213	160	125	150	225	125	170
6	110	100	103	235	190	218	150	120	124	215	110	133
7	120	55	78	220	155	196	160	120	130	155	110	123
8	115	75	98	220	145	183	255	130	174	220	125	170
9	105	100	101	200	135	160	260	210	233	225	125	166
10	105	95	101	220	150	169	260	220	238	260	160	208
11	105	95	101	195	145	160	295	245	263	305	150	213
12	105	100	102	200	150	175	360	295	322	315	120	195
13	105	95	100	270	145	188	610	250	359	215	115	163
14	115	100	104	165	125	149	340	220	268	225	125	178
15	115	105	112	255	125	168	355	160	231	190	110	144
16	150	105	121	160	115	136	295	160	231	255	105	189
17	150	100	124	155	115	139	195	125	153	245	105	151
18	125	100	107	270	145	200	130	105	119	215	100	133
19	115	105	112	275	215	239	150	105	112	260	115	175
20	155	115	130	320	245	275	120	100	111	240	120	169
21	150	105	129	265	220	243	125	105	112	210	115	159
22	130	105	113	390	255	291	125	100	115	265	105	178
23	160	120	145	280	260	268	185	110	131	265	190	240
24	125	110	118	345	265	287	150	105	123	365	160	266
25	120	115	115	425	220	286	115	105	109	320	150	230
26	120	110	115	490	280	359	130	100	112	235	110	163
27	140	115	124	330	255	283	150	105	120	285	115	180
28	280	150	188	285	190	219	285	115	193	375	115	211
29	---	---	---	230	170	200	195	115	143	290	110	182
30	---	---	---	225	160	191	195	110	136	195	105	133
31	---	---	---	165	145	154	---	---	---	220	125	159
MONTH	280	50	110	580	115	214	610	95	173	375	100	175

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C.) • WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	245	115	145	240	150	204	240	155	189	210	120	159
2	325	105	171	245	200	216	225	165	195	215	115	174
3	475	150	253	300	180	218	270	195	219	195	125	158
4	270	105	159	515	145	276	305	180	235	190	110	137
5	210	105	145	350	225	271	255	195	218	150	110	120
6	185	105	134	385	195	243	270	200	230	215	125	163
7	205	120	159	230	70	127	265	195	228	220	160	180
8	230	155	206	145	55	85	270	195	222	420	115	173
9	325	180	245	200	65	104	290	220	240	200	105	129
10	320	190	235	140	90	111	320	265	294	140	105	116
11	265	180	215	185	95	132	305	255	274	115	100	106
12	255	175	214	180	125	153	345	270	303	115	90	103
13	280	185	216	190	130	158	320	275	289	150	100	113
14	345	210	272	220	155	183	345	210	273	130	105	110
15	350	225	284	220	155	176	345	220	295	140	110	120
16	320	150	225	235	165	205	375	290	334	175	115	133
17	280	195	231	280	220	243	350	285	310	180	120	146
18	425	105	228	305	220	258	340	270	303	205	140	164
19	105	65	80	270	225	243	375	305	335	235	160	193
20	105	50	79	---	---	---	375	315	327	260	115	170
21	150	80	110	---	---	---	355	305	321	185	105	131
22	280	110	156	---	---	---	375	315	332	190	105	124
23	270	115	171	---	---	---	350	285	329	130	95	105
24	235	125	159	290	265	274	430	295	331	140	100	111
25	155	115	124	315	255	276	450	360	394	215	110	168
26	165	120	132	305	250	265	430	315	380	280	205	232
27	275	115	156	280	165	212	350	190	288	305	200	250
28	275	185	223	235	175	197	270	165	225	295	210	256
29	245	165	205	230	170	198	270	160	241	260	165	199
30	250	175	213	215	150	179	260	110	176	230	165	196
31	---	---	---	220	145	183	210	115	157	---	---	---
MONTH	475	50	186	---	---	---	450	110	274	420	90	155

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER • WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	2.4	1.4	2.0	1.7	1.1	1.3	3.7	2.1	2.8	4.9	4.4	4.7
2	2.1	1.8	2.0	2.5	1.3	2.0	3.7	3.4	3.5	5.0	4.8	4.9
3	2.6	1.5	1.6	2.2	1.1	1.7	4.1	3.5	3.8	6.9	5.0	6.2
4	1.7	1.5	1.6	2.0	1.1	1.5	4.3	3.3	3.9	9.0	6.6	7.9
5	2.2	1.4	1.6	4.0	1.2	3.4	4.9	4.3	4.6	8.9	7.3	8.3
6	2.1	1.5	1.6	4.3	3.7	3.9	4.8	4.1	4.3	8.1	6.4	7.3
7	1.7	1.5	1.6	4.4	3.6	3.9	4.1	3.0	3.6	7.5	5.8	6.7
8	3.6	1.1	1.8	4.3	3.6	3.9	4.5	2.8	3.7	7.1	5.0	5.9
9	2.5	1.3	1.7	4.6	2.7	3.8	5.2	4.2	4.7	5.8	5.3	5.5
10	1.7	1.5	1.6	2.9	2.4	2.6	6.0	4.9	5.4	6.1	5.2	5.6
11	1.9	0.6	1.0	2.6	2.0	2.4	5.9	5.1	5.5	5.7	5.1	5.4
12	3.6	0.7	2.3	3.6	2.0	2.4	5.7	4.2	4.9	5.7	5.2	5.4
13	1.6	0.6	0.9	2.6	1.6	2.1	6.5	5.0	5.7	5.6	5.2	5.4
14	4.4	1.0	2.8	3.2	2.6	2.8	6.2	5.1	5.8	5.5	5.3	5.4
15	4.1	2.4	3.3	2.7	2.4	2.6	6.1	4.4	5.2	6.1	5.3	5.5
16	4.2	3.3	3.8	2.6	2.0	2.5	6.5	6.0	6.2	6.5	5.3	5.8
17	3.8	3.2	3.6	2.9	2.3	2.8	6.0	4.7	5.7	5.4	4.6	5.1
18	3.6	2.7	3.4	3.0	2.9	3.0	5.2	3.9	4.8	4.6	4.4	4.5
19	3.1	2.3	2.7	3.1	2.5	2.9	6.5	4.6	5.2	7.2	4.4	5.4
20	3.2	2.7	3.0	3.3	2.5	2.8	7.4	5.2	6.1	6.9	5.1	6.2
21	3.3	3.0	3.1	4.4	2.4	3.5	6.8	3.6	5.2	5.6	5.0	5.4
22	3.3	2.7	3.1	4.4	2.9	3.7	5.4	4.7	5.0	5.4	4.8	5.1
23	3.2	2.1	2.6	3.0	2.2	2.8	6.0	4.8	5.5	4.8	4.4	4.6
24	2.9	1.8	2.2	2.6	2.2	2.4	5.8	5.3	5.6	7.2	4.5	5.9
25	2.1	1.1	1.7	2.2	1.8	2.1	6.3	4.4	5.3	7.5	5.5	6.9
26	2.0	1.0	1.7	2.1	1.3	1.9	6.2	5.0	5.3	7.3	6.8	7.1
27	1.9	0.7	1.3	1.7	1.0	1.4	6.2	5.0	5.7	6.8	6.1	6.3
28	1.9	0.7	1.1	2.7	0.9	1.9	6.1	5.5	5.8	6.1	5.2	5.5
29	2.3	0.8	1.4	3.1	2.4	2.7	5.5	4.9	5.2	5.2	4.9	5.0
30	1.7	0.5	1.1	2.7	2.2	2.5	4.9	4.6	4.8	5.0	4.9	4.9
31	1.4	0.7	0.9	---	---	---	4.6	4.2	4.4	4.9	4.7	4.8
MONTH	4.4	0.5	2.1	4.6	0.9	2.6	7.4	2.1	4.9	9.0	4.4	5.8

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER • WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	FEBRUARY				MARCH				APRIL				MAY			
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MAX	MIN	MEAN
1	4.7	4.5	4.6	7.9	6.7	7.7	5.4	4.2	4.4	4.4	4.4	4.1	3.4	3.9	3.9	3.9
2	4.6	4.5	4.5	7.3	6.6	7.0	5.3	3.4	4.7	4.7	4.7	4.1	3.5	3.9	3.5	3.9
3	5.0	4.2	4.6	6.8	6.0	6.3	4.0	3.5	4.0	4.0	3.6	4.1	3.5	3.9	3.5	3.9
4	5.0	4.8	4.9	5.3	5.7	6.0	3.8	3.5	3.8	3.5	3.6	4.1	3.4	3.8	3.4	3.8
5	5.0	4.8	5.0	5.8	3.9	5.3	4.4	3.6	4.4	3.6	4.0	4.4	3.3	3.9	3.3	3.9
6	6.0	4.6	4.9	4.5	3.2	3.9	4.7	4.3	4.7	4.3	4.5	4.1	3.2	3.7	3.2	3.7
7	7.0	6.0	6.6	4.7	3.6	4.3	4.6	4.0	4.6	4.0	4.3	3.9	3.3	3.6	3.3	3.6
8	6.3	5.7	6.1	4.5	3.5	4.2	4.6	3.9	4.6	3.9	4.3	3.6	2.8	3.2	3.0	3.2
9	6.8	5.8	6.0	4.4	3.3	4.1	4.4	3.2	4.4	3.2	4.0	3.6	2.7	3.1	2.7	3.1
10	7.5	5.7	5.9	4.4	3.9	4.1	4.1	3.6	4.1	3.6	3.9	3.4	2.6	3.1	2.6	3.1
11	8.6	5.4	5.6	4.2	3.8	4.0	4.3	3.5	4.3	3.5	3.8	7.9	2.6	5.0	2.6	5.0
12	8.9	5.3	5.5	4.1	2.7	3.8	4.6	3.4	4.6	3.4	4.3	6.9	5.3	6.1	5.3	6.1
13	8.7	5.4	5.5	4.3	3.6	4.0	6.2	5.0	6.2	5.0	5.4	5.4	3.4	4.3	3.4	4.3
14	6.4	5.3	5.5	4.3	3.7	4.1	6.0	3.3	6.0	3.3	4.6	3.8	2.8	3.5	2.8	3.5
15	7.9	5.7	5.9	4.3	4.0	4.1	5.1	4.1	5.1	4.1	4.5	2.8	0.2	0.7	0.2	0.7
16	7.8	5.7	6.4	4.7	3.9	4.4	4.5	3.8	4.5	3.8	4.1	2.4	1.3	1.8	1.3	1.8
17	6.8	5.1	6.5	4.7	3.9	4.5	4.2	3.6	4.2	3.6	3.9	2.4	1.6	2.1	1.6	2.1
18	7.5	6.8	7.2	4.6	4.3	4.5	4.3	4.1	4.3	4.1	4.2	2.4	1.7	1.9	1.7	1.9
19	8.6	7.5	8.1	4.6	3.5	4.2	4.4	4.2	4.4	4.2	4.3	1.9	1.1	1.6	1.1	1.6
20	8.8	8.6	8.7	4.3	3.3	3.8	4.8	4.4	4.8	4.4	4.5	1.8	0.8	1.5	0.8	1.5
21	8.7	8.0	8.4	4.8	3.2	3.9	4.9	4.5	4.9	4.5	4.7	2.9	0.3	1.9	0.3	1.9
22	8.4	7.9	8.2	4.8	4.4	4.6	4.7	4.3	4.7	4.3	4.5	2.7	1.3	1.9	1.3	1.9
23	7.9	7.5	7.7	4.4	3.9	4.2	4.4	4.0	4.4	4.0	4.3	3.6	2.5	3.2	2.5	3.2
24	7.8	7.4	7.6	5.6	4.0	4.9	4.3	3.8	4.3	3.8	4.1	2.9	0.5	1.8	0.5	1.8
25	8.0	7.4	7.8	7.3	5.3	6.2	4.4	3.7	4.4	3.7	4.1	3.1	2.2	2.6	2.2	2.6
26	8.1	7.7	7.9	7.1	6.0	6.6	3.9	3.5	3.9	3.5	3.8	3.0	2.4	2.7	2.4	2.7
27	8.0	7.6	7.8	7.1	6.2	6.8	4.2	3.6	4.2	3.6	3.9	3.9	2.6	3.1	2.6	3.1
28	8.0	7.8	7.9	5.3	4.7	5.9	4.2	3.5	4.2	3.5	3.8	3.9	2.7	3.0	2.7	3.0
29	---	---	---	5.3	4.4	4.8	3.9	3.6	3.9	3.6	3.8	3.0	2.6	2.8	2.6	2.8
30	---	---	---	4.8	4.4	4.7	4.2	3.6	4.2	3.6	3.9	3.7	2.7	3.1	2.7	3.1
31	---	---	---	4.5	4.2	4.4	---	---	---	---	---	4.2	2.3	2.8	2.3	2.8
MONTH	8.8	4.2	6.5	7.9	2.7	4.9	6.3	3.2	4.2	3.2	4.2	7.9	0.2	3.0	0.2	3.0

DAY	JUNE				JULY				AUGUST				SEPTEMBER			
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MAX	MIN	MEAN	MAX	MIN	MAX	MIN	MEAN
1	4.7	1.9	3.0	3.5	2.1	2.8	---	---	---	---	---	2.8	0.8	2.2	0.8	2.2
2	6.2	4.2	5.3	2.9	1.1	2.0	3.3	2.9	3.3	2.9	3.0	6.5	0.3	1.9	0.3	1.9
3	5.1	4.2	4.6	4.8	0.5	2.5	3.8	2.9	3.8	2.9	3.3	4.8	2.2	3.2	2.2	3.2
4	5.0	3.3	4.6	4.3	1.6	3.2	3.9	2.3	3.9	2.3	3.4	3.9	3.4	3.7	3.4	3.7
5	5.0	3.7	4.4	3.6	0.6	2.3	3.8	2.7	3.8	2.7	3.4	3.6	3.2	3.4	3.2	3.4
6	5.7	3.7	4.8	3.7	0.8	2.4	4.1	2.6	4.1	2.6	3.3	3.3	2.7	3.0	2.7	3.0
7	5.1	3.4	4.1	6.6	2.8	5.1	5.5	3.2	5.5	3.2	4.4	2.9	1.5	2.5	1.5	2.5
8	3.9	2.2	3.1	4.3	3.0	3.5	8.3	2.8	8.3	2.8	5.1	3.9	0.6	1.7	0.6	1.7
9	4.1	1.5	2.9	3.9	2.8	3.4	6.6	2.9	6.6	2.9	4.9	2.0	0.5	1.4	0.5	1.4
10	4.1	2.2	3.5	4.1	3.0	3.6	6.2	4.2	6.2	4.2	5.1	1.6	1.2	1.4	1.2	1.4
11	4.8	2.0	3.4	3.4	2.4	3.0	5.3	3.7	5.3	3.7	4.6	1.4	0.2	0.8	0.2	0.8
12	4.3	1.1	2.8	3.2	2.3	2.9	5.5	3.1	5.5	3.1	4.3	1.1	0.0	---	0.0	---
13	3.1	1.5	2.4	3.7	1.7	2.8	5.1	1.1	5.1	1.1	3.2	0.5	0.0	---	0.0	---
14	4.2	1.5	2.7	4.3	1.7	3.0	5.3	0.5	5.3	0.5	2.5	0.5	0.0	---	0.0	---
15	4.5	2.6	3.7	3.9	2.9	3.3	5.3	3.4	5.3	3.4	4.5	0.5	0.0	---	0.0	---
16	4.5	1.2	2.7	3.2	1.6	2.5	3.4	0.7	3.4	0.7	2.0	0.5	0.0	---	0.0	---
17	4.2	1.6	2.9	3.1	1.4	2.3	2.1	0.0	2.1	0.0	1.2	0.5	0.0	---	0.0	---
18	4.9	0.3	3.3	4.2	1.5	2.8	3.4	0.0	3.4	0.0	1.0	0.5	0.0	---	0.0	---
19	3.9	2.6	3.4	2.7	1.2	2.0	4.2	0.0	4.2	0.0	0.5	1.4	0.0	---	0.0	---
20	3.6	2.2	3.1	---	---	---	3.2	0.0	3.2	0.0	1.0	0.8	0.0	---	0.0	---
21	3.1	2.1	2.7	---	---	---	3.7	0.0	3.7	0.0	0.6	0.8	0.6	0.7	0.6	0.7
22	3.3	2.4	2.8	---	---	---	7.4	0.0	7.4	0.0	1.1	0.8	0.5	0.7	0.5	0.7
23	4.6	1.8	3.3	---	---	---	7.1	0.9	7.1	0.9	2.3	0.8	0.6	0.7	0.6	0.7
24	3.9	1.0	2.4	3.1	1.1	1.8	6.2	0.5	6.2	0.5	1.9	0.8	0.5	0.7	0.5	0.7
25	3.1	1.5	2.4	4.2	1.5	2.9	3.5	0.0	3.5	0.0	1.0	0.9	0.5	0.7	0.5	0.7
26	3.8	1.4	2.4	4.5	2.0	3.3	4.2	0.8	4.2	0.8	2.0	0.8	0.7	0.8	0.7	0.8
27	3.9	2.8	3.0	---	---	---	4.1	0.0	4.1	0.0	2.6	0.8	0.6	0.8	0.6	0.8
28	3.6	1.3	2.3	---	---	---	4.3	1.9	4.3	1.9	3.2	1.3	0.6	0.9	0.6	0.9
29	3.4	2.0	2.6	---	---	---	7.3	1.7	7.3	1.7	3.4	2.3	1.0	1.8	1.0	1.8
30	3.5	2.2	3.0	---	---	---	5.7	4.0	5.7	4.0	4.9	2.9	1.9	2.5	1.9	2.5
31	---	---	---	---	---	---	4.9	2.3	4.9	2.3	3.6	---	---	---	---	---
MONTH	6.2	0.3	3.3	---	---	---	8.3	0.0	8.3	0.0	2.9	6.5	0.0	---	0.0	---

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA.--Continued

TEMPERATURE (DEG. C) OF WATER * WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	26.5	20.0	23.0	21.0	16.5	18.5	18.0	14.5	16.5	15.5	11.0	13.5
2	26.0	20.0	24.5	21.5	16.5	19.0	17.0	14.5	16.0	12.0	9.5	10.5
3	27.5	17.5	22.5	21.5	17.0	19.5	18.0	16.0	17.0	10.5	9.0	10.0
4	28.5	20.5	23.5	21.5	19.5	21.0	17.5	15.5	16.5	9.0	4.5	6.5
5	29.5	21.5	24.0	21.0	19.0	20.0	17.0	14.5	16.0	6.5	4.5	5.5
6	31.0	23.5	26.5	19.0	17.0	18.0	16.0	13.0	15.0	9.5	6.5	7.5
7	28.5	22.5	25.5	18.0	16.0	17.0	14.0	12.0	13.0	10.5	8.5	9.5
8	30.5	22.0	26.5	20.0	16.5	18.0	12.0	10.0	11.5	13.0	9.0	11.5
9	29.0	22.0	26.0	20.5	17.5	19.0	12.0	9.0	10.5	14.5	12.0	13.5
10	28.0	25.0	27.0	19.0	17.5	18.5	11.0	9.0	10.0	16.5	14.0	15.0
11	28.5	24.0	26.0	17.5	15.5	16.5	10.5	7.5	9.5	16.0	14.0	15.5
12	25.0	21.0	23.5	16.0	14.5	15.5	14.0	8.5	11.5	15.5	13.0	13.5
13	25.5	21.0	23.5	16.5	14.5	15.5	15.5	13.0	14.5	14.0	12.5	13.0
14	24.5	21.5	23.0	18.0	15.5	17.5	15.0	13.0	14.0	15.0	11.0	13.5
15	26.0	22.5	24.0	19.0	16.0	17.5	15.5	13.5	14.5	15.5	13.5	14.5
16	27.0	23.5	25.5	19.0	17.5	18.5	13.5	9.5	11.5	18.0	13.5	15.5
17	27.0	25.5	26.0	18.0	16.0	17.0	11.0	8.0	10.0	19.0	16.0	17.0
18	26.0	23.5	25.0	18.0	15.5	16.5	12.0	8.5	10.0	21.0	16.5	18.5
19	25.5	18.5	24.5	18.5	16.0	17.0	13.0	10.5	11.5	21.0	16.5	18.0
20	25.0	21.5	23.5	20.0	15.5	18.0	11.0	8.5	10.0	18.5	16.5	17.5
21	25.0	21.0	23.0	20.0	17.0	18.5	9.0	6.5	7.5	18.5	15.5	17.0
22	25.5	21.0	23.5	19.5	17.5	18.5	9.0	6.0	7.5	18.5	16.0	17.0
23	25.5	21.5	23.5	21.0	17.5	19.5	11.0	8.5	9.5	18.0	16.5	17.0
24	27.5	22.0	25.0	22.5	20.0	21.5	14.0	10.0	11.5	16.5	14.0	15.5
25	27.5	22.0	25.0	23.0	21.5	22.5	16.0	13.5	15.0	15.5	13.0	14.0
26	26.5	24.5	25.0	24.0	23.0	23.5	16.0	13.0	15.5	16.5	13.5	15.0
27	25.0	22.0	23.5	24.5	23.0	23.5	14.5	12.5	14.0	17.0	14.5	16.0
28	24.0	21.5	22.5	23.0	20.0	21.5	14.5	11.0	13.0	19.0	16.5	17.5
29	22.5	20.0	21.5	20.0	16.5	18.5	15.5	13.0	14.0	19.0	16.5	17.5
30	22.0	18.0	20.0	18.5	15.5	17.0	16.5	14.5	15.5	18.0	16.0	17.5
31	21.0	17.5	20.0	---	---	---	18.0	15.5	16.5	18.0	16.0	17.0
MONTH	31.0	17.5	24.0	24.5	14.5	18.5	18.0	6.0	13.0	21.0	4.5	14.0
DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	18.0	15.5	17.0	16.5	12.5	15.0	26.0	24.0	25.0	25.5	24.0	25.0
2	19.0	16.5	18.0	18.0	15.5	17.0	27.0	22.5	25.0	26.5	23.5	25.0
3	19.5	17.5	18.5	20.0	16.5	18.0	27.0	23.5	25.0	27.0	24.0	25.5
4	18.5	16.5	17.5	21.5	17.0	19.5	25.0	23.0	24.0	28.0	24.5	26.5
5	17.5	16.0	17.0	22.5	19.0	21.0	23.0	21.0	22.0	27.5	25.0	26.5
6	18.0	16.0	17.0	23.0	20.5	22.0	23.0	19.0	21.0	27.0	25.5	26.5
7	18.5	14.5	17.5	24.0	21.5	22.5	22.5	18.5	20.5	27.5	25.0	26.5
8	15.5	13.0	14.5	24.0	21.5	23.0	24.0	20.5	22.5	29.0	25.5	27.0
9	13.5	11.0	12.5	24.0	22.0	24.0	25.0	21.0	23.0	29.5	25.5	27.5
10	12.5	10.0	11.5	24.0	22.5	23.5	23.5	20.5	22.5	28.0	26.0	27.0
11	13.5	10.0	12.0	26.0	23.0	24.5	24.0	22.0	23.5	28.5	26.0	27.5
12	12.5	10.5	11.5	25.0	23.0	24.0	24.5	21.5	23.0	29.0	26.0	27.5
13	15.5	11.5	13.5	24.5	21.0	23.0	23.0	20.5	22.0	28.5	25.5	27.5
14	16.0	13.5	15.0	23.5	22.0	23.0	23.0	21.0	22.0	28.5	25.0	27.0
15	16.0	15.0	15.5	23.0	22.0	22.5	23.0	21.0	22.0	25.0	24.5	25.5
16	15.5	15.0	15.5	24.5	21.0	22.5	22.0	20.0	21.5	28.5	24.0	26.0
17	16.5	13.5	15.0	24.0	21.0	22.5	22.0	20.5	21.5	28.5	23.5	26.0
18	16.5	14.5	15.5	24.0	21.5	23.0	22.5	19.5	21.0	29.0	24.5	27.0
19	16.5	15.0	16.0	25.0	22.5	24.0	23.0	20.0	21.5	29.0	24.5	26.5
20	17.0	14.5	16.0	26.0	23.5	24.5	23.5	20.5	22.0	26.5	24.0	25.0
21	17.5	16.0	17.0	25.0	21.0	23.0	24.0	21.5	23.0	26.5	24.5	25.5
22	16.0	15.0	15.5	22.0	19.0	20.5	24.0	23.0	23.5	28.0	25.0	26.0
23	16.5	13.0	15.0	23.0	19.0	21.0	24.5	22.0	23.0	30.0	25.0	27.0
24	16.0	14.0	15.0	21.5	17.0	19.5	24.5	21.5	23.0	32.0	25.5	28.0
25	14.0	11.5	13.0	17.0	12.0	15.0	25.0	22.0	23.5	31.5	26.0	28.5
26	13.5	10.5	12.0	16.5	12.5	14.0	25.0	21.5	23.5	28.0	27.0	27.5
27	14.0	10.0	12.0	17.5	12.5	16.0	25.5	22.0	24.0	28.5	26.5	27.0
28	14.5	11.5	13.0	20.0	16.5	18.5	26.5	22.5	24.5	29.5	25.5	27.5
29	---	---	---	23.0	19.5	21.5	26.5	23.5	25.0	30.0	26.5	28.0
30	---	---	---	24.0	20.5	23.0	26.5	23.5	25.0	30.0	27.0	28.5
31	---	---	---	25.5	22.0	24.0	---	---	---	28.0	27.0	27.5
MONTH	19.5	10.0	15.0	26.0	12.0	21.0	27.0	18.5	23.0	32.0	23.5	26.5

MISSISSIPPI RIVER DELTA

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA.--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	28.0	26.0	27.0	27.0	24.0	25.5	27.5	26.0	26.5	29.0	26.0	27.5
2	27.0	25.5	26.5	28.0	24.5	26.0	26.5	25.5	26.0	29.5	25.5	28.0
3	28.5	24.5	26.5	27.0	24.0	26.0	27.0	25.0	26.0	27.5	25.5	26.5
4	30.0	25.5	27.5	26.5	24.0	25.0	27.5	25.0	26.5	25.5	24.5	25.0
5	29.5	26.5	28.0	26.5	24.0	25.0	28.0	25.5	26.5	25.0	23.0	24.0
6	30.0	27.0	28.5	24.0	21.5	23.0	27.0	25.5	26.5	24.5	23.5	24.0
7	28.5	27.5	28.0	21.5	20.0	20.5	26.0	25.0	25.5	24.0	22.5	23.5
8	29.0	27.0	28.0	23.0	20.5	22.0	28.0	24.5	26.5	23.5	21.5	22.5
9	29.5	27.0	28.0	24.0	21.5	23.0	29.5	26.5	28.0	25.0	23.5	24.0
10	29.5	27.0	28.0	25.5	22.5	24.0	30.0	28.0	29.0	24.0	23.5	24.0
11	32.5	27.5	29.0	26.5	23.5	25.0	31.0	28.5	29.5	26.0	24.5	25.0
12	32.0	27.5	29.0	28.0	24.5	26.5	30.5	29.0	30.0	26.0	24.5	25.0
13	31.0	27.5	29.0	29.0	27.0	27.5	30.5	29.0	29.5	26.5	24.5	25.5
14	28.5	25.5	27.0	29.5	27.0	28.0	29.5	27.5	28.5	26.5	25.0	26.0
15	31.5	28.0	29.5	29.5	27.5	28.5	29.5	27.5	29.0	26.5	25.0	25.5
16	30.0	28.0	29.0	30.5	27.5	29.0	30.5	28.0	29.0	27.0	24.5	25.5
17	32.5	23.5	29.5	30.0	28.0	29.0	31.0	29.0	29.5	27.5	25.0	26.0
18	30.0	24.5	28.0	30.5	27.5	29.0	32.0	29.5	30.0	28.0	25.5	27.0
19	25.5	22.5	24.0	30.0	29.0	29.5	32.5	29.5	30.5	28.5	25.5	27.0
20	27.0	24.0	25.5	---	---	---	32.0	30.5	31.0	28.5	26.0	27.0
21	29.5	26.0	28.0	---	---	---	32.0	30.5	31.0	28.5	26.0	27.5
22	29.5	27.0	28.5	---	---	---	33.0	30.5	31.0	28.0	26.5	27.5
23	27.5	24.5	26.0	---	---	---	32.5	30.5	31.5	26.5	25.0	25.5
24	27.5	23.5	25.5	30.5	30.0	30.5	32.0	30.5	31.0	25.5	24.5	25.0
25	26.5	24.5	25.5	31.5	29.0	30.0	31.0	30.0	30.5	25.5	24.0	25.0
26	27.0	24.5	25.5	31.5	29.5	30.5	30.0	27.5	29.0	25.5	24.0	25.0
27	27.5	25.0	26.0	30.0	21.5	24.5	29.0	26.5	27.5	26.5	24.0	25.0
28	26.5	24.0	25.5	27.5	25.5	26.5	27.5	25.5	26.5	27.0	24.5	26.0
29	26.0	23.5	25.0	28.0	26.0	27.0	27.0	25.5	26.5	26.5	25.0	25.5
30	26.5	24.0	25.0	28.5	26.0	27.0	27.0	25.5	26.0	26.0	24.0	25.0
31	---	---	---	28.0	26.0	26.5	27.5	26.0	27.0	---	---	---
MONTH	32.5	22.5	27.0	---	---	---	33.0	24.5	28.5	29.5	21.5	25.5

MISSISSIPPI RIVER DELTA

351

07386980 VERMILION RIVER AT PERRY, LA.

LOCATION.--Lat 29°57'04", long 92°09'22", Vermilion Parish, at bridge on State Highway 82 at Perry, and 2.0 mi (3.2 km) south of Abbeville.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Chemical analyses: November 1965 to September 1974.

EXTREMES.--1973-74:

Specific conductance: Maximum daily, 330 micromhos Dec. 3; minimum daily, 65 micromhos Feb. 8.

Period of record:

Specific conductance (1966-74): Maximum daily, 6,200 micromhos July 11, 1972; minimum daily, 35 micromhos Dec. 7, 1971.

REMARKS.--Conductance recorder with probe 2 ft (0.6 m) from stream bottom; daily mean values are reported in the daily conductance table.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)
OCT. 25...	14	12	5.3	18	6.2	61	50	6.4	23	.3
NOV. 29...	--	--	--	--	--	--	--	--	--	--
DEC. 28...	--	--	--	--	--	--	--	--	--	--
JAN. 24...	5.8	--	--	--	3.2	28	23	5.8	7.8	.1
FEB. 12...	--	--	--	--	--	--	--	--	--	--
MAR. 21...	--	--	--	--	--	--	--	--	--	--
APR. 17...	8.1	15	5.0	22	3.1	59	48	7.5	33	.2
AUG. 08...	--	--	--	--	--	75	62	--	--	--
SEP. 11...	--	--	--	--	--	32	26	--	--	--

DATE	DIS- SOLVED SOLIDS (RESID- UE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTIT- UENTS) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)
OCT. 25...	134	117	56	6	198	6.5	24.0	60	60	--
NOV. 29...	--	--	--	--	--	--	19.0	--	55	--
DEC. 28...	--	--	--	--	123	--	14.0	--	130	5.8
JAN. 24...	108	--	--	--	88	6.7	--	200	43	--
FEB. 12...	--	--	--	--	--	--	13.0	--	80	8.0
MAR. 21...	--	--	--	--	--	--	21.0	--	94	8.0
APR. 17...	158	123	58	10	231	7.2	20.0	100	53	4.8
AUG. 08...	--	--	--	--	233	7.4	31.0	60	40	4.6
SEP. 11...	--	--	--	--	95	6.7	27.0	70	50	2.5

MISSISSIPPI RIVER DELTA
07386980 VERMILION RIVER AT PERRY, LA.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) , WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	150	285	210	170	110	150	205	185	235	235	190	160
2	165	285	290	170	95	150	180	190	250	230	250	185
3	140	295	330	150	95	195	130	185	225	240	230	155
4	165	300	270	70	130	195	175	175	205	250	230	155
5	165	290	220	95	100	170	190	185	210	250	260	170
6	175	130	220	90	95	170	215	170	220	250	300	165
7	185	140	220	95	80	180	225	165	230	255	260	165
8	190	115	250	115	65	175	220	175	240	145	265	130
9	200	115	230	130	105	240	190	180	250	125	245	100
10	195	95	230	115	100	210	200	185	245	145	205	85
11	200	105	260	120	100	195	215	185	245	145	210	105
12	175	120	230	130	100	185	235	155	250	165	210	115
13	145	115	265	135	105	165	115	160	255	165	255	120
14	120	130	270	150	105	170	105	160	270	175	210	140
15	140	145	255	145	115	175	155	180	285	175	180	145
16	170	160	245	150	110	170	185	185	290	190	195	155
17	165	175	255	150	130	165	215	195	270	195	260	160
18	195	180	245	145	145	170	200	205	250	200	245	160
19	210	195	245	150	125	170	180	205	245	205	295	160
20	220	195	230	75	135	185	165	215	325	230	245	170
21	225	180	240	75	155	185	160	215	190	245	315	170
22	220	205	210	95	145	185	155	220	185	250	320	180
23	215	245	225	105	135	195	165	205	185	235	325	195
24	215	240	245	95	160	195	150	200	180	240	320	205
25	220	230	165	70	150	180	165	210	220	230	320	210
26	220	225	155	80	150	260	170	210	215	235	325	205
27	215	220	145	75	150	260	175	200	215	190	300	200
28	230	240	130	90	150	195	180	205	215	90	295	200
29	250	240	135	100	---	205	175	220	225	120	280	200
30	265	230	145	105	---	185	175	225	230	135	220	230
31	250	---	155	110	---	195	---	215	---	150	205	---
AVG.	193	194	223	115	119	188	179	192	235	196	259	164

08028200 Bayou Anacoco near Knight, La.

LOCATION.--Lat 30°52'14", long 93°30'38", in SE¼ sec.20, T.2 S., R.11 W., Beauregard-Vernon Parish line, near right bank of low-water channel at downstream side of bridge on State Highway 111, 4.9 mi (7.9 km) southwest of Knight, and 5.2 mi (8.4 km) upstream from mouth.

DRAINAGE AREA.--425 mi (1,101 km²).

PERIOD OF RECORD.--Chemical analyses: November 1969 to September 1974.
Water temperatures: December 1969 to September 1972.

REMARKS.--Some effect from storage in Anacoco Lake (usable capacity, 41,300 acre-ft or 50.9 km³) except January 1956 to September 1958 and Lake Vernon (usable capacity, 58,000 acre-ft or 71.5 km³) since May 1963. Water used by paper mill at De Rideer is pumped from wells and discharged later as waste into bayou above station. This discharge is not continuous but is stored in a reservoir and is released whenever the flow of bayou is sufficient to dilute effluent from mill.

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED POT- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	ALKAL- INITY AS CaCO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)
OCT. 25...	15	--	--	--	--	40	33	58	21	.3	192	--
NOV. 15...	15	--	--	--	--	43	35	58	24	.3	208	--
DEC. 05...	7.1	--	--	--	--	12	10	14	7.0	.2	71	--
JAN. 04...	9.3	--	--	--	1.5	15	16	16	8.0	.0	74	--
FEB. 05...	11	--	--	--	--	18	15	20	9.3	.1	97	--
MAR. 12...	7.4	3.5	1.3	4.3	1.4	10	8	7.6	5.3	1.4	46	37
APR. 15...	5.5	3.9	.7	7.0	1.3	15	16	8.2	6.1	.1	60	40
MAY 07...	7.5	6.5	.7	15	1.7	20	16	18	8.9	.2	78	68
JUNE 12...	14	6.3	1.1	33	2.3	37	30	40	18	.2	153	133
JULY 01...	19	15	1.8	55	3.2	57	47	81	29	.2	254	232
AUG. 14...	7.5	2.7	.5	3.7	1.2	12	10	3.3	4.6	.2	40	30
SEP. 10...	7.7	4.4	3.1	3.0	1.9	12	10	5.5	3.9	.1	42	36

DATE	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
OCT. 25...	--	--	272	7.6	20.5	100	14	6.5	3.5	900	160
NOV. 15...	--	--	287	7.4	21.0	100	29	7.3	3.4	6000	200
DEC. 05...	--	--	73	6.5	15.5	100	50	8.1	3.5	1500	6600
JAN. 08...	--	--	96	6.4	11.5	50	27	9.4	5.6	--	--
FEB. 05...	--	--	107	6.5	14.5	90	40	8.8	2.7	340	145
MAR. 12...	14	5	49	6.3	21.0	100	86	7.1	3.1	8000	1000
APR. 15...	13	0	63	6.3	19.5	70	52	8.2	3.4	2800	1800
MAY 07...	19	3	104	6.6	22.0	70	49	9.6	5.3	60000	1700
JUNE 12...	20	0	226	6.8	27.0	200	28	6.3	2.5	200	250
JULY 01...	45	0	356	6.9	29.0	100	10	5.9	3.4	3000	100
AUG. 14...	9	0	45	6.7	28.5	20	20	6.8	1.1	700	320
SEP. 10...	24	14	49	6.2	24.0	70	50	6.8	3.4	2200	1800

ANALYSES OF SAMPLES COLLECTED AT PERIODIC STATIONS
CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

PEARL RIVER BASIN

02492000 BOGUE CHITTO NEAR BUSH, LA. (LAT 30°37'45" LONG 89°53'50")

DATE	DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MANGANESE (MN) (UG/L)	DIS- SOLVED CALCIUM (CA) (MG/L)	DIS- SOLVED MAGNE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
NOV. 28...	1890	9.9	210	50	2.7	1.3	4.9	2.5	9	7	2.7	5.7
FEB. 27...	2090	9.7	--	--	2.2	.9	4.7	1.3	9	7	2.0	6.3
MAY 21...	1690	10	--	--	3.3	1.5	4.7	1.5	10	8	2.8	8.0
JULY 24...	1100	9.4	120	78	2.9	.9	5.1	1.7	11	9	2.5	5.5

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (PESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)
NOV. 28...	.1	.39	.00	--	40	36	12	5	46	6.3	20.0	30
FEB. 27...	.0	--	--	--	38	33	9	2	44	6.2	13.0	8
MAY 21...	.1	--	--	--	46	37	14	6	45	6.6	25.0	20
JULY 24...	.1	.21	--	.07	52	34	11	2	41	5.9	27.5	7

DATE	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	ALDRIN (UG/L)	LINDANE (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)
NOV. 28...	12	7.8	6.8	400	500	--	--	--	--	--	--
FEB. 27...	22	9.7	1.3	60	20	--	--	--	--	--	--
MAY 21...	24	7.3	.5	100	620	--	--	--	--	--	--
JULY 24...	9	6.7	2.7	--	3200	.00	.00	.0	.00	.00	.00

DATE	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	PCR (UG/L)	MALA- THION (UG/L)	PARA- THION (UG/L)	METHYL PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
NOV. 28...	--	--	--	--	--	--	--	--	--	--	--
FEB. 27...	--	--	--	--	--	--	--	--	--	--	--
MAY 21...	--	--	--	--	--	--	--	--	--	--	--
JULY 24...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.01	.00

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
NOV. 28...	0	1	0	9	5	.3	10
JULY 24...	1	0	0	10	5	.2	20

ANALYSES OF SAMPLES COLLECTED AT PERIODIC STATIONS
 CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

355

RED RIVER BASIN

07344450 PAW PAW BAYOU NEAR GREENWOOD, LA. (LAT 32°31'00" LONG 93°58'20")

DATE	DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
NOV. 28...	1020	5.2	220	20	7.0	4.5	15	5.0	18	15	10	21
FEB. 13...	25	17	--	--	--	--	--	2.5	49	40	45	81
APR. 10...	7.0	15	--	--	30	18	120	2.8	73	60	59	210
JULY 17...	5.5	7.5	130	110	15	7.5	52	4.0	33	27	20	100

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)
NOV. 28...	.2	.00	.01	--	114	77	36	21	127	6.6	15.0	90
FEB. 13...	.1	--	--	--	307	--	--	--	458	7.2	--	10
APR. 10...	.2	--	--	--	549	491	150	89	903	7.3	14.0	20
JULY 17...	.0	.17	--	.11	276	223	68	41	435	6.8	24.0	70

DATE	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	ALDRIN (UG/L)	LINDANE (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)
NOV. 28...	35	7.1	3.1	900	3000	--	--	--	--	--	--	--
FEB. 13...	--	10.3	1.1	--	--	--	--	--	--	--	--	--
APR. 10...	15	7.8	3.5	450	400	--	--	--	--	--	--	--
JULY 17...	45	5.4	1.7	170	480	17	.00	.00	.0	.00	.00	.00

DATE	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	PCR (UG/L)	MALA- THION (UG/L)	PARA- THION (UG/L)	METHYL PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
NOV. 28...	--	--	--	--	--	--	--	--	--	--	--
FEB. 13...	--	--	--	--	--	--	--	--	--	--	--
APR. 10...	--	--	--	--	--	--	--	--	--	--	--
JULY 17...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.00	.00

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
NOV. 28...	0	1	0	13	7	.0	0
JULY 17...	0	8	0	6	0	.4	3

ANALYSES OF SAMPLES COLLECTED AT PERIODIC STATIONS
CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

RED RIVER BASIN--Continued

07344480 CROSS LAKE AT DAM AT SHREVEPORT, LA. (LAT 32°30'47" LONG 93°47'48")

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)
NOV. 28...	5.9	30	0	7.8	4.0	16	3.2	30	25	7.9	20	.2
FEB. 13...	6.6	--	--	--	--	--	2.2	17	14	12	20	.0
APR. 10...	4.3	--	--	6.4	3.1	14	1.8	25	21	12	21	.1
JULY 17...	6.6	10	25	9.7	4.3	16	2.4	40	33	8.2	25	.4

DATE	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- CORALT UNITS)	TUR- BID- ITY (MG/L)
NOV. 28...	.00	.00	--	83	80	36	11	138	7.1	17.0	8	24
FEB. 13...	--	--	--	95	--	--	--	133	6.6	14.0	70	27
APR. 10...	--	--	--	99	75	29	8	143	6.9	17.0	20	16
JULY 17...	.04	--	.10	102	92	42	9	161	6.8	29.5	8	18

DATE	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	ALDRIN (UG/L)	LINDANE (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DNT (UG/L)
NOV. 28...	9.5	2.0	92	160	--	--	--	--	--	--	--
FEB. 13...	10.0	2.4	--	--	--	--	--	--	--	--	--
APR. 10...	8.3	3.1	25	840	--	--	--	--	--	--	--
JULY 17...	5.8	2.5	24	36	12	.00	.00	.0	.00	.00	.00

DATE	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	PCR (UG/L)	MALA- THION (UG/L)	PARA- THION (UG/L)	METHYL PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
NOV. 28...	--	--	--	--	--	--	--	--	--	--	--
FEB. 13...	--	--	--	--	--	--	--	--	--	--	--
APR. 10...	--	--	--	--	--	--	--	--	--	--	--
JULY 17...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.02	.00

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
NOV. 28...	2	1	0	10	8	.0	0
JULY 17...	1	0	0	0	10	.9	10

ANALYSES OF SAMPLES COLLECTED AT PERIODIC STATIONS
 CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

357

RED RIVER BASIN--Continued

07346180 JAMES BAYOU NEAR VIVIAN, LA. (LAT 32°48'22" LONG 94°00'56")

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)
NOV. 28...	5.3	540	40	3.4	.4	9.7	3.2	9	7	3.7	18	.1
FEB. 13...	11	--	--	--	--	--	1.2	8	7	4.5	23	.0
APR. 10...	11	--	--	5.6	2.2	14	1.4	15	12	4.2	27	.1
JULY 17...	14	210	320	7.4	2.1	20	1.7	18	15	3.8	36	.2

DATE	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)
NOV. 28...	.00	.00	--	77	48	10	3	87	6.3	15.0	80	29
FEB. 13...	--	--	--	85	--	--	--	107	6.3	12.0	70	14
APR. 10...	--	--	--	91	73	23	11	130	6.8	16.5	100	18
JULY 17...	.10	--	.10	122	95	27	12	159	6.3	28.5	40	11

DATE	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	ALDRIN (UG/L)	LINDANE (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)
NOV. 28...	5.3	2.7	590	860	--	--	--	--	--	--	--
FEB. 13...	9.2	1.5	--	10	--	--	--	--	--	--	--
APR. 10...	6.1	4.2	950	330	--	--	--	--	--	--	--
JULY 17...	3.8	1.5	120	25	7.3	.00	.00	.0	.00	.00	.00

DATE	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	PCB (UG/L)	MALA- THION (UG/L)	PARA- THION (UG/L)	METHYL PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
NOV. 28...	--	--	--	--	--	--	--	--	--	--	--
FEB. 13...	--	--	--	--	--	--	--	--	--	--	--
APR. 10...	--	--	--	--	--	--	--	--	--	--	--
JULY 17...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.00	.00

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
NOV. 28...	1	1	0	40	10	.0	30
JULY 17...	1	2	0	3	10	.9	20

ANALYSES OF SAMPLES COLLECTED AT PERIODIC STATIONS
CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

RED RIVER BASIN--Continued

07346280 CADD0 LAKE ABOVE DAM NEAR MOORINGSPOET, LA. (LAT 32°41'15" LONG 93°56'44")

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)
NOV. 28...	10	--	--	5.0	.7	9.6	4.0	19	16	9.1	14	.1
FEB. 13...	10	--	--	--	--	--	2.4	13	11	12	11	.1
APR. 10...	6.4	--	--	6.8	2.6	16	2.1	19	16	11	24	.2
JULY 17...	11	120	17	7.4	2.4	10	2.8	21	17	9.9	14	.4

DATE	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITU- ENTS) (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)
NOV. 28...	.01	.00	--	80	62	15	0	104	6.9	15.5	30	20
FEB. 13...	--	--	--	74	--	--	--	96	6.4	12.0	50	18
APR. 10...	--	--	--	97	78	28	12	148	6.9	18.0	30	19
JULY 17...	.03	--	.11	78	68	28	11	108	6.5	32.0	20	5

DATE	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	ALDRIN (UG/L)	LINDANE (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)
NOV. 28...	8.9	2.6	480	230	--	--	--	--	--	--	--
FEB. 13...	10.5	2.5	--	10	--	--	--	--	--	--	--
APR. 10...	9.5	5.7	1500	320	--	--	--	--	--	--	--
JULY 17...	5.4	1.1	12	20	9.8	.00	.00	.0	.00	.00	.00

DATE	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	PCB (UG/L)	MALA- THION (UG/L)	PARA- THION (UG/L)	METHYL PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
NOV. 28...	--	--	--	--	--	--	--	--	--	--	--
FEB. 13...	--	--	--	--	--	--	--	--	--	--	--
APR. 10...	--	--	--	--	--	--	--	--	--	--	--
JULY 17...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.00	.00

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
JULY 17...	3	1	0	5	10	.9	20

ANALYSES OF SAMPLES COLLECTED AT PERIODIC STATIONS
 CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

359

RED RIVER BASIN--Continued

07347000 KELLY BAYOU NEAR HOUSTON, LA. (LAT 32°51'25" LONG 93°52'20")

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)
NOV. 28...	3.7	270	20	5.8	2.2	3.6	4.0	28	23	3.6	7.4	.2
FEB. 13...	16	--	--	--	--	--	--	79	65	9.3	24	.1
APR. 10...	17	--	--	29	13	22	1.6	141	116	13	35	.2
JULY 17...	20	0	--	71	28	35	2.7	324	266	24	51	.2

DATE	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- IDITY (MG/L)
NOV. 28...	.04	.00	--	--	44	24	1	79	6.7	15.0	100	60
FEB. 13...	--	--	--	140	--	--	--	233	7.3	11.0	30	18
APR. 10...	--	--	--	220	200	130	10	365	7.7	17.0	10	40
JULY 17...	.09	--	.16	408	392	290	27	676	7.5	10.0	9	7

DATE	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	ALDRIN (UG/L)	LINDANE (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)
NOV. 28...	5.9	3.2	4200	5500	--	--	--	--	--	--	--
FEB. 13...	9.6	1.6	--	20	--	--	--	--	--	--	--
APR. 10...	7.1	4.3	1000	230	--	--	--	--	--	--	--
JULY 17...	7.0	2.7	120	110	5.4	.00	.00	.0	.02	.00	.00

DATE	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	PCB (UG/L)	MALA- THION (UG/L)	PARA- THION (UG/L)	METHYL PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
NOV. 28...	--	--	--	--	--	--	--	--	--	--	--
FEB. 13...	--	--	--	--	--	--	--	--	--	--	--
APR. 10...	--	--	--	--	--	--	--	--	--	--	--
JULY 17...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.00	.00

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PR) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
NOV. 28...	1	0	0	14	7	.0	10
JULY 17...	1	4	0	3	3	.3	10

ANALYSES OF SAMPLES COLLECTED AT PERIODIC STATIONS
CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

RED RIVER BASIN--Continued

07347500 BLACK BAYOU NEAR GILLIAM, LA. (LAT 32°48'55" LONG 93°62'15")

DATE	DIS-SOLVED SILICA (SiO ₂) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	ALKALINITY AS CaCO ₃ (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)
NOV. 28...	3.6	230	30	8.0	1.0	16	5.6	23	19	3.7	30	.2
FEB. 13...	8.9	--	--	--	--	--	--	28	23	4.7	35	.1
APR. 10...	7.3	--	--	22	8.4	31	1.7	71	58	8.6	64	.2
JULY 17...	17	10	230	72	29	76	2.8	314	258	26	120	.7

DATE	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED NITRITE (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (MG/L)
NOV. 28...	.00	.00	--	128	80	24	5	151	6.7	15.5	100	60
FEB. 13...	--	--	--	117	--	--	--	185	6.8	12.0	50	20
APR. 10...	--	--	--	210	178	90	31	348	6.9	17.0	20	16
JULY 17...	.08	--	.12	546	499	300	42	898	7.7	10.0	7	19

DATE	DIS-SOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	ALDRIN (UG/L)	LINDANE (UG/L)	CHLORDANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)
NOV. 28...	7.2	3.5	3000	5500	--	--	--	--	--	--	--
FEB. 13...	10.0	2.8	--	20	--	--	--	--	--	--	--
APR. 10...	8.9	4.2	1500	320	--	--	--	--	--	--	--
JULY 17...	5.9	1.6	200	180	13	.00	.00	.0	.00	.00	.00

DATE	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTACHLOR (UG/L)	HEPTACHLOR EPOXIDE (UG/L)	PCB (UG/L)	MALATHION (UG/L)	PARATHION (UG/L)	METHYL PARATHION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
NOV. 28...	--	--	--	--	--	--	--	--	--	--	--
FEB. 13...	--	--	--	--	--	--	--	--	--	--	--
APR. 10...	--	--	--	--	--	--	--	--	--	--	--
JULY 17...	.00	.00	.00	.00	.0	.00	.00	.03	.00	.00	.00

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
NOV. 28...	1	1	0	12	8	.0	10
JULY 17...	6	1	0	1	5	.5	30

ANALYSES OF SAMPLES COLLECTED AT PERIODIC STATIONS
 CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

RED RIVER BASIN--Continued

07348090 TWELVEMILE BAYOU NEAR SHREVEPORT, LA. (LAT 32°33'03" LONG 93°46'47")

DATE	DIS- SOLVED SILICA (SiO_2) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO_3) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO_4) (MG/L)
NOV. 28...	9.2	--	10	8.1	3.2	13	4.0	34	28	8.8
FEB. 14...	9.9	--	--	--	--	--	2.4	22	18	12
APR. 10...	7.1	--	--	14	5.9	26	2.1	43	35	14
JULY 17...	12	0	--	27	10	37	3.2	90	74	25

DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
NOV. 28...	15	.2	.22	.00	--	116	79	33	6	138
FEB. 14...	20	.0	--	--	--	95	--	--	--	137
APR. 10...	47	.2	--	--	--	158	138	59	24	238
JULY 17...	68	.0	.12	--	.11	262	227	110	35	422

DATE	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
NOV. 28...	6.8	17.0	70	75	7.8	2.9	3300	3700	--
FEB. 14...	6.6	13.5	60	28	9.9	2.5	--	40	--
APR. 10...	6.9	17.5	20	40	9.2	3.7	150	50	--
JULY 17...	7.4	34.0	30	45	9.7	3.6	--	--	10

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
NOV. 28...	4	1	0	5	2	.0	0
JULY 17...	1	8	0	3	3	.3	3

ANALYSES OF SAMPLES COLLECTED AT PERIODIC STATIONS
CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

RED RIVER BASIN--Continued

07349500 BODCAU BAYOU NEAR SAREPTA, LA. (LAT 32°54'18" LONG 92°28'58")

DATE	DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MANG- NESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
NOV. 27...	2500	2.8	380	190	17	1.2	52	6.2	71	58	8.8	70
FEB. 13...	928	5.8	--	--	--	--	--	2.7	33	27	28	52
APR. 10...	275	1.5	--	--	4.0	1.8	10	1.1	13	11	5.1	18
JULY 17...	11	7.7	150	--	--	3.3	18	2.1	27	22	6.2	34

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (PESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTIT- TUENTS) (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MH0S)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)
NOV. 27...	.7	.16	.01	--	251	195	47	0	370	7.3	18.0	--
FEB. 13...	.2	--	--	--	209	--	--	--	300	6.5	12.0	--
APR. 10...	.1	--	--	--	70	48	17	7	95	6.6	17.0	100
JULY 17...	.3	.20	--	.12	100	--	--	--	159	6.6	31.0	50

DATE	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	FECAL COLI- FORM (COL- PER 100 ML)	STREP- TOCOCCI (COL- ONIES PFR 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	ALDRIN (UG/L)	LINDANE (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)
NOV. 27...	20	4.0	2.8	580	1100	--	--	--	--	--	--	--
FEB. 13...	16	5.9	1.9	--	600	--	--	--	--	--	--	--
APR. 10...	30	7.8	1.9	420	260	--	--	--	--	--	--	--
JULY 17...	18	6.2	2.2	40	56	9.8	.00	.00	.0	.00	.00	.00

DATE	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	PCR (UG/L)	MALA- THION (UG/L)	PARA- THION (UG/L)	METHYL PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
NOV. 27...	--	--	--	--	--	--	--	--	--	--	--
FEB. 13...	--	--	--	--	--	--	--	--	--	--	--
APR. 10...	--	--	--	--	--	--	--	--	--	--	--
JULY 17...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.00	.00

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
NOV. 27...	2	0	0	11	3	.0	0
JULY 17...	3	1	0	7	10	.7	10

ANALYSES OF SAMPLES COLLECTED AT PERIODIC STATIONS
CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

363

RED RIVER BASIN--Continued

07349850 RED CHUTE BAYOU NEAR SHREVEPORT, LA. (LAT 32°33'15" LONG 93°37'30")

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)
NOV. 27...	6.0	11	4.4	61	6.8	79	65	8.1	75	.4	.04
FEB. 14...	5.3	--	--	--	2.3	31	25	11	32	.1	--
APR. 09...	3.7	8.2	2.3	20	1.9	32	26	9.3	26	.2	--
JULY 17...	4.2	7.6	1.9	9.7	1.8	21	17	3.3	16	.2	.12

DATE	DIS- SOLVED NITRITE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)
NOV. 27...	.00	--	265	212	46	0	403	7.4	17.5	200	20
FEB. 14...	--	--	136	--	--	--	183	6.6	11.5	200	17
APR. 09...	--	--	132	87	30	4	161	6.6	17.5	100	16
JULY 17...	--	.09	88	56	27	10	99	6.3	26.0	50	8

DATE	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	ALDRIN (UG/L)	LINDANE (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)
NOV. 27...	3.3	2.5	100	520	--	--	--	--	--	--	--
FEB. 14...	5.9	1.9	--	15	--	--	--	--	--	--	--
APR. 09...	5.7	--	980	150	--	--	--	--	--	--	--
JULY 17...	3.3	1.3	--	85	8.3	.00	.00	.0	.00	.00	.00

DATE	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	PCB (UG/L)	MALA- THION (UG/L)	PARA- THION (UG/L)	METHYL PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
NOV. 27...	--	--	--	--	--	--	--	--	--	--	--
FEB. 14...	--	--	--	--	--	--	--	--	--	--	--
APR. 09...	--	--	--	--	--	--	--	--	--	--	--
JULY 17...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.00	.00

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
NOV. 27...	0	3	0	10	8	.0	10
JULY 17...	2	1	0	9	10	1.6	40

ANALYSES OF SAMPLES COLLECTED AT PERIODIC STATIONS
CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

RED RIVER BASIN--Continued

07352060 MILL CREEK AT SALINE, LA. (LAT 32°10'15" LONG 92°58'35")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)
FEB. 12...	4.2	--	3.5	.5	2.4	1.7	10	8	3.7	.0
MAY 07...	2.0	380	1.7	.6	2.1	1.2	9	7	3.4	.1
07...	1.9	520	1.7	.5	2.6	1.2	9	7	4.5	.1
07...	2.4	260	2.3	.5	2.3	1.3	10	8	3.5	.1
JUNE 20...	3.0	110	2.0	--	--	2.0	12	10	16	.1

DATE	DIS-SOLVED NITRATE (N) (MG/L)	DIS-SOLVED ORTHO-PHOSPHORUS (P) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL NITRATE (N) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	SPECIFIC CONDUCTANCE (MICRO-MHOS)
FEB. 12...	--	--	.00	.18	46	23	11	3	34
MAY 07...	.11	.01	--	--	18	18	7	0	30
07...	.11	.01	--	--	34	20	6	0	30
07...	.11	.01	--	--	38	20	8	0	37
JUNE 20...	.09	.01	--	--	40	--	--	--	31

DATE	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (MG/L)	DIS-SOLVED OXYGEN (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
FEB. 12...	6.2	15.0	100	48	8.5	2.3	400	--	20
MAY 07...	6.4	26.5	50	7	7.6	2.2	200	0	0
07...	6.4	24.0	60	15	7.3	1.5	1000	0	0
07...	6.5	24.0	60	20	5.7	.7	1000	0	0
JUNE 20...	6.4	32.0	30	16	6.3	.4	430	30	35

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
MAY 07...	5	25	0	10	27	.0	20
07...	5	12	0	14	26	.1	10
07...	5	25	0	10	31	.0	20
JUNE 20...	0	3	0	50	8	.3	80

ANALYSES OF SAMPLES COLLECTED AT PERIODIC STATIONS
CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

365

RED RIVER BASIN--Continued

07372000 DUGDEMONA RIVER NEAR WINNFIELD, LA. (LAT 31°58'30" LONG 92°39'10")

DATE	DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	ALKA- LITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)
NOV. 07...	62	8.0	300	40	3.9	1.1	13	3.8	23	19	14
FEB. 06...	1790	10	--	--	--	--	--	--	16	13	9.8
MAY 07...	292	16	--	--	8.1	1.8	30	2.6	56	46	27
AUG. 15...	95	20	730	1100	16	6.0	150	7.3	205	168	170

DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
NOV. 07...	5.3	.2	.15	.00	--	93	62	14	0	90	7.1
FEB. 06...	5.0	.1	--	--	--	76	--	--	--	63	6.6
MAY 07...	8.0	.2	--	--	--	158	121	28	0	193	7.1
AUG. 15...	17	.3	--	--	.25	558	489	65	0	754	7.9

DATE	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- CORAL UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	ALDRIN (UG/L)	LINDANE (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)
NOV. 07...	15.0	50	27	7.2	3.0	--	--	--	--	--	--
FEB. 06...	14.0	100	44	8.1	--	.00	.00	.0	.00	.00	.00
MAY 07...	20.0	200	65	6.4	2.9	--	--	--	--	--	--
AUG. 15...	27.0	210	55	5.3	2.8	--	--	--	--	--	--

DATE	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	PCB (UG/L)	MALA- THION (UG/L)	PARA- THION (UG/L)	METHYL PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
NOV. 07...	--	--	--	--	--	--	--	--	--	--	--
FEB. 06...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.00	.00
MAY 07...	--	--	--	--	--	--	--	--	--	--	--
AUG. 15...	--	--	--	--	--	--	--	--	--	--	--

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
NOV. 07...	1	1	0	15	12	.0	0
AUG. 15...	2	1	0	3	5	.1	30

ANALYSES OF SAMPLES COLLECTED AT PERIODIC STATIONS
CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

MISSISSIPPI RIVER DELTA

07375500 TANGIPAHOA RIVER AT ROBERT, LA. (LAT 30°30'23" LONG 90°21'42")

DATE	DIS- SOLVED CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MANG- NESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	ALKA- LITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
NOV. 28...	1590	9.2	290	50	2.3	1.5	5.2	2.6	12	10	3.9	7.0
FEB. 27...	1020	11	--	--	1.7	1.2	3.6	1.2	12	10	1.4	4.5
MAR. 18...	623	12	160	--	2.7	1.0	4.7	1.3	13	11	1.9	5.3
MAY 21...	1470	11	--	--	2.7	.7	4.2	1.3	12	10	1.9	4.0
JULY 24...	534	13	160	110	2.4	.9	6.4	1.5	13	11	2.5	6.6

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTIT- TUENTS) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)
NOV. 28...	.2	.43	.00	--	--	40	12	2	56	6.5	20.0	--
FEB. 27...	.0	--	--	--	37	31	9	0	35	6.2	13.0	10
MAR. 18...	.1	.07	--	--	42	36	11	0	46	6.3	20.5	8
MAY 21...	.1	--	--	--	32	32	10	0	42	6.6	25.0	20
JULY 24...	.1	.12	--	.07	42	40	10	0	47	6.3	28.0	10

DATE	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	ALDRIN (UG/L)	LINDANE (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)
NOV. 28...	18	7.6	3.5	600	950	--	--	--	--	--	--
FEB. 27...	15	9.9	1.2	20	20	--	--	--	--	--	--
MAR. 18...	12	8.3	2.2	30	160	--	--	--	--	--	--
MAY 21...	63	7.6	1.7	250	1500	--	--	--	--	--	--
JULY 24...	11	7.0	1.3	--	3500	.00	.00	.0	.00	.00	.00

DATE	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	PCB (UG/L)	MALA- THION (UG/L)	PARA- THION (UG/L)	METHYL PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
JULY 24...	.00	.00	.00	.00	.0	.00	.00	.00	.06	.00	.00

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
NOV. 28...	11	1	0	16	4	.0	0
MAR. 18...	1	3	0	--	3	.4	20
JULY 24...	0	0	0	4	10	.1	10

ANALYSES OF SAMPLES COLLECTED AT PERIODIC STATIONS
 CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

367

MISSISSIPPI RIVER DELTA--Continued

07376000 TICKFAW RIVER AT HOLDEN, LA. (LAT 30°55'47" LONG 90°40'41")

DATE	DYS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	ALKA- LITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
NOV. 28...	765	6.0	210	60	2.0	.9	2.9	2.5	8	7	3.0	4.7
FEB. 27...	291	12	--	--	1.7	.8	3.9	1.0	9	7	2.0	5.5
MAY 21...	223	9.1	--	--	2.7	.9	3.7	1.5	11	9	2.0	4.8
JULY 24...	138	11	270	33	3.2	.9	4.8	1.2	12	10	2.4	4.0

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)
NOV. 28...	.1	.41	.01	--	47	28	9	2	40	5.9	20.0	60
FEB. 27...	.0	--	--	--	35	31	8	0	36	6.2	13.0	10
MAY 21...	.1	--	--	--	30	30	10	1	36	6.4	24.0	30
JULY 24...	.1	.14	--	.06	32	34	12	2	33	6.2	25.5	10

DATE	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	ALDRIN (UG/L)	LINDANE (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)
NOV. 28...	35	7.2	2.2	850	500	--	--	--	--	--	--
FEB. 27...	15	10.0	1.3	40	40	--	--	--	--	--	--
MAY 21...	47	7.1	2.2	6000	3800	--	--	--	--	--	--
JULY 24...	67	7.1	1.0	--	140	.00	.00	.0	.00	.00	.00

DATE	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	PCB (UG/L)	MALA- THION (UG/L)	PARA- THION (UG/L)	METHYL PARA- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
NOV. 28...	--	--	--	--	--	--	--	--	--	--	--
FEB. 27...	--	--	--	--	--	--	--	--	--	--	--
MAY 21...	--	--	--	--	--	--	--	--	--	--	--
JULY 24...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.00	.00

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
NOV. 28...	3	1	0	15	3	.0	0
JULY 24...	1	1	0	5	5	.3	10

ANALYSES OF SAMPLES COLLECTED AT PERIODIC STATIONS
CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

CALCASIEU RIVER BASIN

08013000 CALCASIEU RIVER NEAR GLENMORA, LA. (LAT 30°59'45" LONG 92°40'25")

DATE	DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)
NOV. 06...	218	17	230	70	2.8	.4	4.4	1.4	14
FEB. 07...	885	13	--	--	--	--	--	--	9
MAY 08...	96	24	--	--	5.0	1.0	6.3	1.2	21
AUG. 14...	46	23	210	220	3.6	1.2	6.0	1.5	24

DATE	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)
NOV. 06...	11	1.6	5.6	.1	.00	.00	--	67	40
FEB. 07...	7	3.4	5.2	.1	--	--	--	51	--
MAY 08...	17	2.7	6.1	.1	--	--	--	52	57
AUG. 14...	20	3.5	6.8	.1	.09	--	.07	62	58

DATE	HARD- NESS (CA.MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	RIO- CHEM- ICAL OXYGEN DEMAND (MG/L)
NOV. 06...	9	0	45	7.1	17.0	10	25	7.8	1.3
FEB. 07...	--	--	38	6.3	14.0	60	--	8.2	--
MAY 08...	17	0	60	6.8	22.0	40	20	7.2	.8
AUG. 14...	14	0	66	7.2	26.0	40	35	6.1	.4

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
NOV. 06...	0	1	0	10	2	.0	0
AUG. 14...	0	2	0	5	11	.1	20

ANALYSES OF SAMPLES COLLECTED AT PERIODIC STATIONS

369

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

CALCASIEU RIVER BASIN--Continued

08015500 CALCASIEU RIVER NEAR KINDER, LA. (LAT 30°30'10" LONG 92°54'55")

DATE	DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FF) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)
OCT. 25...	2790	9.7	230	80	2.3	.3	4.0	1.6	11
FEB. 05...	7990	7.0	--	--	--	--	--	--	9
MAY 07...	821	21	--	--	5.0	1.0	8.7	1.5	22
AUG. 14...	757	19	--	--	6.4	1.5	31	2.2	74

DATE	ALKA- LITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	DIS- SOLVED NITRITE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)
OCT. 25...	9	2.8	4.6	.2	.00	.01	--	66	31
FEB. 05...	7	4.6	3.7	.1	--	--	--	49	--
MAY 07...	18	6.2	10	.1	--	--	--	66	64
AUG. 14...	61	18	8.5	.2	.43	--	.12	168	126

DATE	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)
OCT. 25...	7	0	40	6.1	21.5	90	22	7.5	--
FEB. 05...	--	--	35	6.3	15.0	90	40	8.0	--
MAY 07...	17	0	78	7.5	21.5	70	24	10.0	4.8
AUG. 14...	22	0	174	7.7	26.5	200	30	4.2	.2

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT. 25...	3	1	0	10	10	.2	10
AUG. 14...	1	2	0	8	29	.1	40

ANALYSES OF SAMPLES COLLECTED AT PERIODIC STATIONS
 CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

SABINE RIVER BASIN

08028000 BAYOU ANACOCO NEAR ROSEPIKE, LA. (LAT 30°57'10" LONG 93°21'10")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	ALKA- LINITY AS CACO ₃ (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)
JUNE 12...	76	11	5.0	.8	3.1	1.2	18	15	4.2	5.9	.2	54
JULY 01...	21	14	12	1.7	3.6	1.7	34	28	4.1	7.5	.1	56
AUG. 14...	502	7.2	2.4	.8	3.3	1.3	15	12	2.8	5.4	.1	48
SEP. 10...	352	7.9	5.2	2.2	3.1	2.0	15	12	5.0	4.1	.1	--

DATE	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCTI- VANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)
JUNE 12...	40	16	1	53	6.8	26.0	40	19	7.5	.8	40	150
JULY 01...	61	37	9	88	7.0	27.0	20	10	7.4	--	250	1100
AUG. 14...	31	9	0	47	6.8	28.0	10	20	6.2	--	150	250
SEP. 10...	37	22	10	51	6.3	24.0	70	65	6.6	3.8	1400	520

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

371

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

MISSISSIPPI RIVER DELTA

DATE	DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SiO_2) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL IRON IN DE- POSIT (UG/G)	TOTAL MANGA- NESE IN BOTTOM DE- POSIT (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- SIUM (K) (MG/L)	BICAR- BONATE (HCO_3) (MG/L)	CAR- BONATE (CO_3) (MG/L)
07374587 - BAYOU LACOMBE NR LACOMBE, LA. (LAT 30 20 33 LONG 089 56 06)											
MAR., 1974 20...	--	14	90	180	0	4.4	1.4	6.1	.8	6	0
07374700 - TCHEFUNCTA RIVER NEAR FRANKLINTON, LA. (LAT 30 45 22 LONG 090 15 52)											
MAR., 1974 19...	42	9.3	100	130	4	1.2	.6	2.5	.7	8	0
07375050 - TCHEFUNCTA RIVER NEAR COVINGTON, LA. (LAT 30 29 40 LONG 090 10 10)											
MAR., 1974 19...	88	11	230	260	34	1.5	.9	3.4	1.3	9	0
07375085 - BOGUE FALAYA AT FOLSOM, LA. (LAT 30 37 42 LONG 090 10 15)											
MAR., 1974 19...	25	7.6	260	350	31	3.3	1.7	9.0	3.8	24	0
07375170 - BOGUE FALAYA AT COVINGTON, LA. (LAT 30 29 58 LONG 090 05 04)											
MAR., 1974 19...	94	13	170	180	5	1.8	.7	6.1	1.0	15	0
07375222 - ABITA RIVER N. OF ABITA SPRINGS, LA. (LAT 30 28 55 LONG 090 02 20)											
MAR., 1974 19...	5.7	15	300	1600	11	1.3	.6	10	1.1	18	0
07375404 - TANGIPAHOA R AB BEAVER CK AT TANGIPAHOA, LA (LAT 30 52 42 LONG 090 29 56)											
MAR., 1974 18...	297	11	40	270	55	2.0	.8	5.2	1.3	12	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

MISSISSIPPI RIVER DELTA

DATE	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (NO3) (MG/L)	DIS- SOLVED ORTHO- PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA,MG) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
07374587 - BAYOU LACOMBE NR LACOMBE, LA. (LAT 30 20 33 LONG 089 56 06)--Continued										
MAR., 1974 20...	13	7.4	.2	.51	.00	63	51	12	17	72
07374700 - TCHEFUNCTA RIVER NEAR FRANKLINTON, LA. (LAT 30 45 22 LONG 090 15 52)--Continued										
MAR., 1974 19...	.9	3.8	.2	.59	.01	26	24	1	5	27
07375050 - TCHEFUNCTA RIVER NEAR COVINGTON, LA. (LAT 30 29 40 LONG 090 10 10)--Continued										
MAR., 1974 19...	1.3	4.4	.0	.42	.01	36	29	3	7	35
07375085 - BOGUE FALAYA AT FOLSOM, LA. (LAT 30 37 42 LONG 090 10 15)--Continued										
MAR., 1974 19...	3.1	8.6	.3	.98	.07	72	51	21	15	88
07375170 - BOGUE FALAYA AT COVINGTON, LA. (LAT 30 29 58 LONG 090 05 04)--Continued										
MAR., 1974 19...	1.9	5.3	.1	.45	.02	46	38	1	7	46
07375222 - ABITA RIVER N. OF ABITA SPRINGS, LA. (LAT 30 28 55 LONG 090 02 20)--Continued										
MAR., 1974 19...	3.5	6.7	.1	.79	.02	65	48	22	6	63
07375404 - TANGIPAHOA R AB BEAVER CK AT TANGIPAHOA, LA (LAT 30 52 42 LONG 090 29 56)--Continued										
MAR., 1974 18...	1.8	6.5	.1	.45	.01	41	35	1	8	44

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
 CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

373

MISSISSIPPI RIVER DELTA

DATE	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
07374587 - BAYOU LACOMBE NR LACOMBE, LA. (LAT 30 20 33 LONG 089 56 06)--Continued										
MAR., 1974 20...	6.1	21.5	30	8.5	4.3	--	84	.00	4	1
07374700 - TCHEFUNCTA RIVER NEAR FRANKLINTON, LA. (LAT 30 45 22 LONG 090 15 52)--Continued										
MAR., 1974 19...	6.3	18.0	8	8.0	.5	20	44	.00	4	0
07375050 - TCHEFUNCTA RIVER NEAR COVINGTON, LA. (LAT 30 29 40 LONG 090 10 10)--Continued										
MAR., 1974 19...	6.2	19.5	10	8.8	3.1	60	140	.00	5	1
07375085 - BOGUE FALAYA AT FOLSOM, LA. (LAT 30 37 42 LONG 090 10 15)--Continued										
MAR., 1974 19...	6.2	21.0	70	6.0	.1	40	160	.00	5	1
07375170 - BOGUE FALAYA AT COVINGTON, LA. (LAT 30 29 58 LONG 090 05 04)--Continued										
MAR., 1974 19...	6.4	20.0	30	7.9	.8	400	220	.00	--	1
07375222 - ABITA RIVER N. OF ABITA SPRINGS, LA. (LAT 30 28 55 LONG 090 02 20)--Continued										
MAR., 1974 19...	6.3	19.0	100	7.5	2.1	270	260	.00	--	1
07375404 - TANGIPAHOA R AB BEAVER CK AT TANGIPAHOA, LA (LAT 30 52 42 LONG 090 29 56)--Continued										
MAR., 1974 18...	6.2	20.0	2	8.9	4.4	70	190	.00	--	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
 CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
 MISSISSIPPI RIVER DELTA

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM DE- POSITS (UG/G)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM DE- POSITS (UG/G)	TOTAL CHRO- MIUM IN BOTTOM DE- POSITS (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER IN BOTTOM DE- POSITS (UG/G)
07374587 - BAYOU LACOMBE NR LACOMBE, LA. (LAT 30 20 33 LONG 089 56 06)--Continued							
MAR., 1974 20...	0	0	3	0	0	0	0
07374700 - TCHEFUNCTA RIVER NEAR FRANKLINTON, LA. (LAT 30 45 22 LONG 090 15 52)--Continued							
MAR., 1974 19...	1	0	1	0	0	0	0
07375050 - TCHEFUNCTA RIVER NEAR COVINGTON, LA. (LAT 30 29 40 LONG 090 10 10)--Continued							
MAR., 1974 19...	1	0	1	2	0	0	0
07375085 - BOGUE FALAYA AT FOLSOM, LA. (LAT 30 37 42 LONG 090 10 15)--Continued							
MAR., 1974 19...	2	0	2	0	0	0	0
07375170 - BOGUE FALAYA AT COVINGTON, LA. (LAT 30 29 58 LONG 090 05 04)--Continued							
MAR., 1974 19...	0	0	1	0	0	0	0
07375222 - ABITA RIVER N. OF ABITA SPRINGS, LA. (LAT 30 28 55 LONG 090 02 20)--Continued							
MAR., 1974 19...	2	1	1	1	0	0	1
07375404 - TANGIPAHOA R AB BEAVER CK AT TANGIPAHOA, LA (LAT 30 52 42 LONG 090 29 56)--Continued							
MAR., 1974 18...	0	0	1	0	0	0	1

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

375

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

MISSISSIPPI RIVER DELTA

DATE	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM DE- POSITS (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM DE- POSITS (UG/G)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM DE- POSITS (UG/G)
07374587 - BAYOU LACOMBE NR LACOMBE, LA. (LAT 30 20 33 LONG 089 56 06)--Continued						
MAR., 1974 20...	2	<10	.0	.0	20	2
07374700 - TCHEFUNCTA RIVER NEAR FRANKLINTON, LA. (LAT 30 45 22 LONG 090 15 52)--Continued						
MAR., 1974 19...	0	<10	.0	.0	10	4
07375050 - TCHEFUNCTA RIVER NEAR COVINGTON, LA. (LAT 30 29 40 LONG 090 10 10)--Continued						
MAR., 1974 19...	4	<10	.0	.0	10	4
07375085 - BOGUE FALAYA AT FOLSOM, LA. (LAT 30 37 42 LONG 090 10 15)--Continued						
MAR., 1974 19...	3	10	.0	.0	20	3
07375170 - BOGUE FALAYA AT COVINGTON, LA. (LAT 30 29 58 LONG 090 05 04)--Continued						
MAR., 1974 19...	2	<10	.0	.0	20	3
07375222 - ABITA RIVER N. OF ABITA SPRINGS, LA. (LAT 30 28 55 LONG 090 02 20)--Continued						
MAR., 1974 19...	4	<10	.0	.0	10	8
07375404 - TANGIPAHOA R AB BEAVER CK AT TANGIPAHOA, LA (LAT 30 52 42 LONG 090 29 56)--Continued						
MAR., 1974 18...	3	<10	.7	.0	20	4

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
 CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

MISSISSIPPI RIVER DELTA

DATE	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE- POSITS (UG/KG)	CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM DE- POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE- POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE- POSITS (UG/KG)	DDT (UG/L)	DI- AZINON (UG/L)	DI- ELDRIN (UG/L)
07374587 - BAYOU LACOMBE NR LACOMBE, LA. (LAT 30 20 33 LONG 089 56 06)--Continued											
MAR., 1974 20...	.00	.0	.0	0	.00	.0	.00	.0	.00	.00	.00
07374700 - TCHEFUNCTA RIVER NEAR FRANKLINTON, LA. (LAT 30 45 22 LONG 090 15 52)--Continued											
MAR., 1974 19...	.00	.0	.0	0	.00	.0	.00	.0	.00	.00	.00
07375050 - TCHEFUNCTA RIVER NEAR COVINGTON, LA. (LAT 30 29 40 LONG 090 10 10)--Continued											
MAR., 1974 19...	.00	.0	.0	0	.00	.0	.00	.0	.00	.00	.00
07375085 - BOGUE FALAYA AT FOLSOM, LA. (LAT 30 37 42 LONG 090 10 15)--Continued											
MAR., 1974 19...	.00	.0	.0	0	.00	.0	.00	.0	.00	.00	.00
07375170 - BOGUE FALAYA AT COVINGTON, LA. (LAT 30 29 58 LONG 090 05 04)--Continued											
MAR., 1974 19...	.00	.0	.0	0	.00	.0	.00	.0	.00	.00	.00
07375222 - ABITA RIVER N. OF ABITA SPRINGS, LA. (LAT 30 28 55 LONG 090 02 20)--Continued											
MAR., 1974 19...	.00	.0	.0	0	.00	.0	.00	.0	.00	.00	.00
07375404 - TANGIPAHOA R AB BEAVER CK AT TANGIPAHOA, LA (LAT 30 52 42 LONG 090 29 56)--Continued											
MAR., 1974 18...	.00	.0	.0	0	.00	.0	.00	.0	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
 CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

377

MISSISSIPPI RIVER DELTA

DATE	DI- ELDRIN IN BOTTOM DE- POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE- POSITS (UG/KG)	ETHION (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM DE- POSITS (UG/KG)	HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM DE- POSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DE- POSITS (UG/KG)	MALA- THION (UG/L)
07374587 - BAYOU LACOMBE NR LACOMBE, LA. (LAT 30 20 33 LONG 089 56 06)--Continued											
MAR., 1974 20...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00
07374700 - TCHEFUNCTA RIVER NEAR FRANKLINTON, LA. (LAT 30 45 22 LONG 090 15 52)--Continued											
MAR., 1974 19...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00
07375050 - TCHEFUNCTA RIVER NEAR COVINGTON, LA. (LAT 30 29 40 LONG 090 10 10)--Continued											
MAR., 1974 19...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00
07375085 - BOGUE FALAYA AT FOLSOM, LA. (LAT 30 37 42 LONG 090 10 15)--Continued											
MAR., 1974 19...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00
07375170 - BOGUE FALAYA AT COVINGTON, LA. (LAT 30 29 58 LONG 090 05 04)--Continued											
MAR., 1974 19...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00
07375222 - ABITA RIVER N. OF ABITA SPRINGS, LA. (LAT 30 28 55 LONG 090 02 20)--Continued											
MAR., 1974 19...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00
07375404 - TANGIPAHOA R AB BEAVER CK AT TANGIPAHOA, LA (LAT 30 52 42 LONG 090 29 56)--Continued											
MAR., 1974 18...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

MISSISSIPPI RIVER DELTA

DATE	METHYL PARA- THION (UG/L)	METHYL TRI- THION (UG/L)	PARA- THION (UG/L)	PCB (UG/L)	PCB IN BOTTOM DE- POSITS (UG/KG)	TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM DE- POSITS (UG/KG)	TRI- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
07374587 - BAYOU LACOMBE NR LACOMBE, LA. (LAT 30 20 33 LONG 089 56 06)--Continued											
MAR., 1974 20...	.00	.00	.00	.0	0	0	0	.00	.00	.00	.00
07374700 - TCHEFUNCTA RIVER NEAR FRANKLINTON, LA. (LAT 30 45 22 LONG 090 15 52)--Continued											
MAR., 1974 19...	.00	.00	.00	.0	0	0	0	.00	.00	.00	.00
07375050 - TCHEFUNCTA RIVER NEAR COVINGTON, LA. (LAT 30 29 40 LONG 090 10 10)--Continued											
MAR., 1974 19...	.00	.00	.00	.0	0	0	0	.00	.00	.00	.00
07375085 - BOGUE FALAYA AT FOLSOM, LA. (LAT 30 37 42 LONG 090 10 15)--Continued											
MAR., 1974 19...	.00	.00	.00	.0	0	0	0	.00	.00	.00	.00
07375170 - BOGUE FALAYA AT COVINGTON, LA. (LAT 30 29 58 LONG 090 05 04)--Continued											
MAR., 1974 19...	.00	.00	.00	.0	0	0	0	.00	.00	.00	.00
07375222 - ABITA RIVER N. OF ABITA SPRINGS, LA. (LAT 30 28 55 LONG 090 02 20)--Continued											
MAR., 1974 19...	.00	.00	.00	.0	0	0	0	.00	.00	.00	.00
07375404 - TANGIPAHOA R AB BEAVER CK AT TANGIPAHOA, LA (LAT 30 52 42 LONG 090 29 56)--Continued											
MAR., 1974 18...	.00	.00	.00	.0	0	0	0	.00	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
 CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

379

MISSISSIPPI RIVER DELTA

DATE	DIS- CHARGE (CFS)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM DE- POSITS (UG/G)	TOTAL MANGA- NESE IN BOTTOM DE- POSITS (UG/G)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)
07375428 - BIG CREEK NR AMITE, LA. (LAT 30 44 44 LONG 090 28 54)											
MAR., 1974 18...	66	9.9	130	--	--	1.5	.7	5.1	1.3	9	0
07375440 - TANGIPAHOA R NR INDEPENDENCE, LA. (LAT 30 38 13 LONG 090 28 46)											
MAR., 1974 18...	--	11	110	400	9	2.2	.9	4.6	1.2	14	0
07375491 - CHAPPEPEELA CREEK NR ROBERT, LA. (LAT 30 33 23 LONG 090 18 30)											
MAR., 1974 19...	70	12	220	180	0	1.7	.8	5.0	1.1	11	0
07375680 - BEDICO CREEK NR MADISONVILLE, LA. (LAT 30 27 13 LONG 090 15 53)											
MAR., 1974 19...	.88	17	80	190	95	2.0	2.0	9.9	2.0	20	0
07376440 - NATALBANY R NR INDEPENDENCE, LA. (LAT 30 38 34 LONG 090 32 14)											
MAR., 1974 18...	--	9.3	80	610	50	2.4	1.2	9.8	1.0	17	0
07376505 - NATALBANY RIVER NEAR ALBANY, LA. (LAT 30 29 07 LONG 090 32 45 01)											
MAR., 1974 18...	19	11	120	--	--	3.2	1.5	10	1.7	21	0
07376525 - LITTLE NATALBANY RIVER NEAR ALBANY, LA. (LAT 32 29 01 LONG 090 33 42 01)											
MAR., 1974 18...	7.8	15	100	--	--	4.2	2.4	14	1.9	27	0
07376614 - PONCHATOUA CK N. OF PONCHATOUA, LA. (LAT 30 28 04 LONG 090 26 54)											
MAR., 1974 18...	31	19	60	2400	300	9.2	2.7	42	2.8	100	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
 CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

MISSISSIPPI RIVER DELTA

DATE	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED NITRATE (NO ₃) (MG/L)	DIS- SOLVED ORTHO- PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	SUS- PENDEED SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
07375428 - BIG CREEK NR AMITE, LA. (LAT 30 44 44 LONG 090 28 54)--Continued										
MAR., 1974 18...	1.6	4.1	.1	.39	.02	40	29	8	7	35
07375440 - TANGIPAHOA R NR INDEPENDENCE LA (LAT 30 38 13 LONG 090 28 46)--Continued										
MAR., 1974 18...	2.0	5.1	.1	.33	.01	41	34	1	9	44
07375491 - CHAPPEPEELA CREEK NR ROBERT, LA. (LAT 30 33 23 LONG 090 18 30)--Continued										
MAR., 1974 19...	2.5	4.3	.0	.24	.02	39	33	1	8	40
07375680 - BEDICO CREEK NR MADISONVILLE, LA. (LAT 30 27 13 LONG 090 15 53)--Continued										
MAR., 1974 19...	14	8.9	.3	.33	.00	83	66	6	13	103
07376440 - NATALBANY R NR INDEPENDENCE, LA. (LAT 30 38 34 LONG 090 32 14)--Continued										
MAR., 1974 18...	6.2	1.1	.1	.23	.01	58	40	3	11	76
07376505 - NATALBANY RIVER NEAR ALBANY, LA. (LAT 30 29 07 LONG 090 32 45 01)--Continued										
MAR., 1974 18...	6.2	9.9	.1	.28	.03	92	54	1	14	84
07376525 - LITTLE NATALBANY RIVER NEAR ALBANY, LA. (LAT 32 29 01 LONG 090 33 42 01)--Continued										
MAR., 1974 18...	7.3	14	.3	.77	.20	62	74	5	20	115
07376614 - PONCHATOULA CK N. OF PONCHATOULA, LA. (LAT 30 28 04 LONG 090 26 54)--Continued										
MAR., 1974 18...	15	18	.4	.79	.97	171	162	53	34	265

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
 CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
 MISSISSIPPI RIVER DELTA

DATE	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
07375428 - BIG CREEK NEAR AMITE, LA. (LAT 30 44 44 LONG 090 28 54)--Continued										
MAR., 1974 18...	6.2	18.5	80	9.8	5.0	190	150	.00	4	0
07375440 - TANGIPAHOA R NR INDEPENDENCE, LA. (LAT 30 38 13 LONG 090 28 46)--Continued										
MAR., 1974 18...	6.4	18.0	3	9.6	1.9	<10	96	.00	16	0
07375491 - CHAPPEPEELA CREEK NR ROBERT, LA. (LAT 30 33 23 LONG 090 18 30)--Continued										
MAR., 1974 19...	6.3	19.0	8	8.5	1.7	<10	240	.00	3	1
07375680 - BEDICO CREEK NR MADISONVILLE, LA. (LAT 30 27 13 LONG 090 15 53)--Continued										
MAR., 1974 19...	6.4	23.0	30	7.9	2.1	340	680	.00	4	1
07376440 - NATALBANY R NR INDEPENDENCE, LA. (LAT 30 38 34 LONG 090 32 14)--Continued										
MAR., 1974 18...	6.4	17.0	8	9.8	3.2	150	40	--	--	0
07376505 - NATALBANY RIVER NEAR ALBANY, LA. (LAT 30 29 07 LONG 090 32 45 01)--Continued										
MAR., 1974 18...	6.7	18.5	3	9.7	1.5	90	64	.00	4	0
07376525 - LITTLE NATALBANY RIVER NEAR ALBANY, LA. (LAT 32 29 01 LONG 090 33 42 01)--Continued										
MAR., 1974 18...	6.8	17.0	20	9.5	4.3	120	120	.00	--	0
07376614 - PONCHATOULA CK N. OF PONCHATOULA, LA. (LAT 30 28 04 LONG 090 26 54)--Continued										
MAR., 1974 18...	6.7	19.5	60	13.1	10	5900	1300	.00	4	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
 CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

MISSISSIPPI RIVER DELTA

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM DE- POSITITS (UG/G)	.DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM DE- POSITITS (UG/G)	TOTAL CHRO- MIUM IN BOTTOM DE- POSITITS (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER IN BOTTOM DE- POSITITS (UG/G)
07375428 - BIG CREEK NR AMITE, LA. (LAT 30 44 44 LONG 090 28 54)--Continued							
MAR., 1974 18...	1	--	3	--	--	0	--
07375440 - TANGIPAHOA R NR INDEPENDENCE, LA. (LAT 30 30 13 LONG 090 28 46)--Continued							
MAR., 1974 18...	1	0	1	0	0	0	0
07375491 - CHAPPEPEELA CREEK NR ROBERT, LA. (LAT 30 33 23 LONG 090 18 30)--Continued							
MAR., 1974 19...	2	0	2	0	0	0	1
07375680 - BEDICO CREEK NR MADISONVILLE, LA. (LAT 30 27 13 LONG 090 15 53)--Continued							
MAR., 1974 19...	1	2	2	0	0	0	1
07376440 - NATALBANY R NR INDEPENDENCE, LA. (LAT 30 38 34 LONG 30 38 34)--Continued							
MAR., 1974 18...	2	0	1	0	0	0	2
07376505 - NATALBANY RIVER NEAR ALBANY, LA. (LAT 30 29 07 LONG 090 32 45 01)--Continued							
MAR., 1974 18...	0	--	1	--	--	0	--
07376525 - LITTLE NATALBANY RIVER NEAR ALBANY, LA. (LAT 32 29 01 LONG 090 33 42 01)--Continued							
MAR., 1974 18...	0	--	2	--	--	0	--
07376614 - PONCHATOULA CK N. OF PONCHATOULA, LA. (LAT 30 28 04 LONG 090 26 54)--Continued							
MAR., 1974 18...	2	2	1	0	0	0	3

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
 CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

383

MISSISSIPPI RIVER DELTA

DATE	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM DE- POSITS (UG/G)	TOTAL MERCURY IN BOTTOM DE- POSITS (HG) (UG/L)	TOTAL MERCURY IN BOTTOM DE- POSITS (UG/G)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM DE- POSITS (UG/G)
07375428 - BIG CREEK NR AMITE, LA. (LAT 30 44 44 LONG 090 28 54)--Continued						
MAR., 1974 18...	1	--	.0	--	20	--
07375440 - TANGIPAHOA R NR INDEPENDENCE, LA. (LAT 30 30 13 LONG 090 28 46)--Continued						
MAR., 1974 18...	4	<10	.0	.0	10	4
07375491 - CHAPPEPEELA CREEK NR ROBERT, LA. (LAT 30 33 23 LONG 090 18 30)--Continued						
MAR., 1974 19...	1	<10	.1	.0	10	5
07375680 - BEDICO CREEK NR MADISONVILLE, LA. (LAT 30 27 13 LONG 090 15 53)--Continued						
MAR., 1974 19...	2	<10	.0	.0	20	5
07376440 - NATALBANY R NR INDEPENDENCE, LA. (LAT 30 38 34 LONG 30 38 34)--Continued						
MAR., 1974 18...	5	<10	.0	.0	10	5
07376505 - NATALBANY RIVER NEAR ALBANY, LA. (LAT 30 29 07 LONG 090 32 45 01)--Continued						
MAR., 1974 18...	3	--	.0	--	10	--
07376525 - LITTLE NATALBANY RIVER NEAR ALBANY, LA. (LAT 32 29 01 LONG 090 33 42 01)--Continued						
MAR., 1974 18...	4	--	.0	--	30	--
07376614 - PONCHATOULA CK N. OF PONCHATOULA, LA. (LAT 30 28 04 LONG 090 26 54)--Continued						
MAR., 1974 18...	4	<10	.0	.0	10	10

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
 CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

MISSISSIPPI RIVER DELTA

DATE	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE- POSITS (UG/KG)	CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM DE- POSITS (UG/KG)	DDD (UG/L)	DDD IN BOTTOM DE- POSITS (UG/KG)	DDE (UG/L)	DDE IN BOTTOM DE- POSITS (UG/KG)	DDT (UG/L)	DI- AZINON (UG/L)	DI- ELDRIN (UG/L)
07375440 - TANGIPAHOA R NR INDEPENDENCE, LA. (LAT 30 38 13 LONG 090 28 46)--Continued											
MAR., 1974 18...	.00	.0	.0	0	.00	.0	.00	.0	.00	.00	.00
07375491 - CHAPPEPEELA CREEK NR ROBERT, LA. (LAT 30 33 23 LONG 090 18 30)--Continued											
MAR., 1974 19...	.00	.0	.0	0	.00	.0	.00	.0	.00	.01	.00
07375680 - BEDICO CREEK NR MADISONVILLE, LA. (LAT 30 27 13 LONG 090 15 53)--Continued											
MAR., 1974 19...	.00	.0	.0	0	.00	.0	.00	.0	.00	.00	.00
07376440 - NATALBANY R NR INDEPENDENCE, LA. (LAT 30 38 34 LONG 090 32 14)--Continued											
MAR., 1974 18...	.00	.0	.0	0	.00	.0	.00	.0	.00	.00	.00
07376614 - PONCHATOULA CK N. OF PONCHATOULA, LA. (LAT 30 28 04 LONG 090 26 54)--Continued											
MAR., 1974 18...	.00	.0	.0	0	.00	.0	.00	.1	.00	.10	.00

DATE	DI- ELDRIN IN BOTTOM DE- POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE- POSITS (UG/KG)	ETHION (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM DE- POSITS (UG/KG)	HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM DE- POSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DE- POSITS (UG/KG)	MALA- THION (UG/L)
07375440 - TANGIPAHOA R NR INDEPENDENCE, LA. (LAT 30 38 13 LONG 090 28 46)--Continued											
MAR., 1974 18...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00
07375491 - CHAPPEPEELA CREEK NR ROBERT, LA. (LAT 30 33 23 LONG 090 18 30)--Continued											
MAR., 1974 19...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00
07375680 - BEDICO CREEK NR MADISONVILLE, LA. (LAT 30 27 13 LONG 090 15 53)--Continued											
MAR., 1974 19...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00
07376440 - NATALBANY R NR INDEPENDENCE, LA. (LAT 30 38 34 LONG 090 32 14)--Continued											
MAR., 1974 18...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00
07376614 - PONCHATOULA CK N. OF PONCHATOULA, LA. (LAT 30 28 04 LONG 090 26 54)--Continued											
MAR., 1974 18...	.5	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
 CHEMICAL ANALYSES, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974
 MISSISSIPPI RIVER DELTA

385

DATE	METHYL PARA- THION (UG/L)	METHYL TRI- THION (UG/L)	PARA- THION (UG/L)	PCB (UG/L)	PCB IN BOTTOM DE- POSITS (UG/KG)	TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM DE- POSITS (UG/KG)	TRI- THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
07375440 - TANGIPAHOA R NR INDEPENDENCE, LA. (LAT 30 38 13 LONG 090 28 46)--Continued											
MAR., 1974 18...	.00	.00	.00	.0	0	0	0	.00	.00	.00	.00
07375491 - CHAPPEPEELA CREEK NR ROBERT, LA. (LAT 30 33 23 LONG 090 18 30)--Continued											
MAR., 1974 19...	.00	.00	.00	.0	0	0	0	.00	.00	.00	.00
07375680 - BEDICO CREEK NR MADISONVILLE, LA. (LAT 30 27 13 LONG 090 15 53)--Continued											
MAR., 1974 19...	.00	.00	.00	.0	0	0	0	.00	.00	.00	.00
07376440 - NATALBANY R NR INDEPENDENCE, LA. (LAT 30 38 34 LONG 090 32 14)--Continued											
MAR., 1974 18...	.00	.00	.00	.0	0	0	0	.00	.00	.00	.00
07376614 - PONCHATOULA CK N. OF PONCHATOULA, LA. (LAT 30 28 04 LONG 090 26 54)--Continued											
MAR., 1974 18...	.00	.00	.00	.0	0	0	0	.00	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

292215091231500 - ATCHAFALAYA BAY AT EUGENE ISLAND (LAT 29°22'15" LONG 91°23'15")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED IRON (FE) (UG/L)	BICAR- BONATE (HCO3) (MG/L)	ALKA- LINITY AS CACD3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL NITRATE (N) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
JUNE 26...	20	107	88	39	.20	.26	--	196	170	82
JULY 10...	--	96	79	16	--	.16	.68	--	140	61
31...	20	123	101	160	--	.11	.25	132	470	370
AUG. 07...	10	126	103	150	--	.09	.27	108	150	47
21...	20	152	125	140	--	.27	.08	39	540	420
SEP. 05...	40	131	107	61	--	.14	.27	41	200	93
19...	20	100	82	160	--	.19	.18	99	400	320

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 26...	851	7.7	--	80	115	7.2	1.0	1600	310	7.1
JULY 10...	247	7.0	--	30	80	5.7	.5	1300	1100	7.3
31...	2960	7.8	--	50	32	6.3	.7	790	120	6.4
AUG. 07...	21000	7.6	--	50	65	6.8	.5	1400	48	--
21...	3160	7.6	--	50	45	7.5	1.0	280	16	5.5
SEP. 05...	411	8.1	29.5	50	60	7.5	1.6	130	28	5.7
19...	2570	7.9	--	50	70	6.8	1.1	300	24	7.5

DATE	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	ALDRIN (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)
JUNE 26...	.00	0	1	.00	.0	.00	.00	.00	<.01
JULY 10...	--	0	--	.00	.0	.00	.00	.00	.00
31...	.00	4	2	--	--	--	--	--	--
AUG. 07...	.00	5	--	.00	.0	.00	.00	.00	<.01
21...	.00	10	0	.00	.0	.00	.00	.00	.00
SEP. 05...	.00	6	1	.00	.0	.00	.00	.00	.01
19...	.00	0	1	.00	.0	.00	.00	.00	<.01

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
MISSISSIPPI RIVER DELTA

387

292215091231500 - ATCHAFALAYA BAY AT EUGENE ISLAND (LAT 29°22'15" LONG 91°23'15")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	PCB (UG/L)	TOX- APHENE (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)
JUNE 26...	.00	.00	.00	.00	.0	0	1	0	4
JULY 10...	.00	.00	.00	.00	.0	0	--	--	--
31...	--	--	--	--	--	--	2	1	0
AUG. 07...	<.01	.00	.00	.00	.0	0	3	2	1
21...	.00	.00	.00	.00	.0	0	1	1	1
SEP. 05...	<.01	.00	.00	.00	.0	0	2	1	2
19...	<.01	.00	.00	.00	.0	0	3	2	0

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
JUNE 26...	1	0	3	0	--	.1	20	0
JULY 10...	--	--	--	--	--	--	--	--
31...	1	0	1	2	.1	.1	30	10
AUG. 07...	2	0	11	6	.1	.1	4	10
21...	0	1	2	1	.2	.0	20	0
SEP. 05...	2	0	3	0	.2	.2	20	0
19...	2	0	5	10	.1	.1	90	8

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

29411009153000 - VERMILION BAY AT CYPREMORE POINT (LAT 29°41'10" LONG 91°53'30")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED IRON (FE) (UG/L)	BICAR- BONATE (HCO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL NITRATE (N) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
JUNE										
13...	0	77	63	60	.13	.11	--	56	160	97
26...	30	84	69	49	.11	.30	--	95	170	100
JULY										
10...	--	76	62	46	--	.06	.09	--	200	140
31...	60	85	70	220	--	.08	.10	17	800	730
AUG.										
07...	10	86	71	140	--	.04	.14	18	200	130
21...	40	77	63	150	--	.26	.04	0	1000	940
SEP.										
05...	60	65	53	210	--	.09	.13	50	910	860
19...	20	78	64	240	--	.06	.34	9	1000	940

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE									
13...	1440	8.0	30	61	7.1	1.0	250	25	10
26...	1810	7.9	100	80	8.6	2.0	--	--	15
JULY									
10...	1620	7.1	20	35	5.2	.5	120	54	8.9
31...	6050	7.5	40	15	6.9	1.6	130	68	5.5
AUG.									
07...	7000	7.4	30	11	6.3	1.0	--	18	7.0
21...	7710	7.0	50	20	6.6	1.0	220	5	11
SEP.									
05...	6740	7.9	20	50	7.8	2.0	--	8	8.8
19...	7440	8.0	40	30	7.8	2.7	230	26	8.7

DATE	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	ALDRIN (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)
JUNE									
13...	.00	0	2	.00	.0	.00	.00	.00	.00
26...	.00	0	1	.00	.0	.00	.00	.00	.00
JULY									
10...	--	1	--	.00	.0	.00	.00	.00	.00
31...	.00	0	1	--	--	--	--	--	--
AUG.									
07...	.00	4	--	--	--	--	--	--	--
21...	.00	0	5	.00	.0	.00	.00	.00	.00
SEP.									
05...	.00	2	2	.00	.0	.00	.00	.00	.00
19...	.00	0	4	.00	.0	.00	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
MISSISSIPPI RIVER DELTA

389

294110091533000 - VERMILION BAY AT CYPREMORE POINT (LAT 29°41'10" LONG 91°53'30")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	PCB (UG/L)	TOX- APHENE (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)
JUNE									
13...	.00	.00	.00	.00	.0	0	0	3	3
26...	.00	.00	.00	.00	.0	0	0	0	3
JULY									
10...	.00	.00	.00	.00	.0	0	--	--	--
31...	--	--	--	--	--	--	2	2	0
AUG.									
07...	--	--	--	--	--	--	2	1	1
21...	.00	.00	.00	.00	.0	0	2	1	5
SEP.									
05...	.00	.00	.00	.00	.0	0	2	1	15
19...	.00	.00	.00	.00	.0	0	1	1	1

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
JUNE								
13...	--	--	15	5	--	.0	5	7
26...	1	0	3	0	--	.6	20	3
JULY								
10...	--	--	--	--	--	--	--	--
31...	0	1	0	3	.1	.2	20	9
AUG.								
07...	5	0	13	5	.1	.2	30	30
21...	0	0	0	1	.1	.0	20	4
SEP.								
05...	2	0	18	10	.2	.0	60	0
19...	7	0	5	3	.1	.1	50	10

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

294625092244000 - WHITE LAKE IN NORTHEAST CORNER (LAT 29°46'25" LONG 92°24'40")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED IRON (FE) (UG/L)	BICAR- BONATE (HCO3) (MG/L)	ALKA- LINIT- AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL NITRATE (N) (MG/L)	SUS- PENDE D SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
JUNE										
12...	30	30	25	35	.09	.18	--	242	64	39
25...	20	35	29	54	.09	.39	--	253	140	110
JULY										
09...	--	31	25	22	--	.15	.09	--	69	44
AUG.										
06...	20	31	25	62	--	.07	.36	168	66	41
20...	40	34	28	60	--	.18	.05	164	70	42
SEP.										
04...	60	34	28	22	--	.15	.21	193	71	43
17...	60	34	28	37	--	.18	.21	191	68	40

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE									
12...	345	7.5	100	110	7.8	2.6	450	30	1.0
25...	360	7.5	100	95	8.1	1.5	1300	30	16
JULY									
09...	381	6.9	100	90	7.6	3.1	--	86	12
AUG.									
06...	380	6.8	100	99	6.7	.6	--	38	--
20...	477	6.9	50	100	6.9	2.1	300	15	12
SEP.									
04...	437	7.5	60	80	8.0	1.7	64	20	11
17...	544	7.5	180	100	6.8	.4	80	20	8.5

DATE	CYANIDE (CN) (MG/L)	OIL AND GREASE (MG/L)	ALDRIN (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)
JUNE								
12...	.00	2	.00	.0	.00	.00	.00	.00
25...	.00	1	.00	.0	.00	.00	.00	.00
JULY								
09...	--	--	.00	.0	.00	.00	.00	.00
AUG.								
06...	.00	4	.00	.0	.00	.00	.00	.00
20...	.00	--	.00	.0	.00	.00	.00	.00
SEP.								
04...	.00	2	.00	.0	.00	.00	.00	.00
17...	.00	0	.00	.0	.00	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

391

MISSISSIPPI RIVER DELTA

294625092244000 - WHITE LAKE IN NORTHEAST CORNER (LAT 29°46'25" LONG 92°24'40")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	PCB (UG/L)	TOX- APHENE (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)
JUNE									
12...	.00	.00	.00	.00	.0	0	0	4	3
25...	.00	.00	.00	.00	.0	0	2	0	2
JULY									
09...	.00	.00	.00	.00	.0	0	--	--	--
AUG.									
06...	.00	.00	.00	.00	.0	0	2	0	0
20...	.00	.00	.00	.00	.0	0	1	0	0
SEP.									
04...	.00	.00	.00	.00	.0	0	4	1	0
17...	.00	.00	.00	.00	.0	0	4	1	1

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
JUNE								
12...	--	--	25	5	--	.0	40	10
25...	1	0	3	3	.2	--	10	0
JULY								
09...	--	--	--	--	--	--	--	--
AUG.								
06...	0	0	5	0	.1	.0	30	10
20...	--	0	9	1	.0	.0	10	4
SEP.								
04...	1	0	5	0	.0	.0	40	10
17...	1	0	11	3	.1	.1	30	8

294530092360000 - GRAND LAKE NE OF CATFISH POINT (LAT 29°45'30" LONG 92°36'00")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED IRON (FE) (UG/L)	BICAR- BONATE (HCO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL NITRATE (N) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
JUNE										
12...	100	32	26	44	.05	.22	--	282	40	14
25...	90	34	28	19	.11	.25	--	266	61	33
JULY										
09...	10	36	30	32	--	.22	.15	195	150	120
AUG.										
06...	70	36	30	42	--	.15	.13	158	100	70
20...	70	60	49	17	--	1.0	.06	81	25	0
SEP.										
04...	110	54	44	40	--	.11	.11	119	78	34
17...	40	64	52	5.0	--	.12	.13	89	70	17

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

294530092360000 - GRAND LAKE NE OF CATFISH POINT (LAT 29°45'30" LONG 92°36'00")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TURBIDITY (MG/L)	DIS-SOLVED OXYGEN (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE									
12...	272	7.4	200	118	7.4	3.0	2000	100	7.5
25...	354	7.2	100	95	8.0	2.4	2400	1100	11
JULY									
09...	755	7.0	100	105	7.2	2.6	140	45	.9
AUG.									
06...	426	7.1	100	91	7.4	2.7	410	32	11
20...	374	7.9	140	65	6.4	80	40	0	6.8
SEP.									
04...	300	7.7	80	70	8.1	1.9	20	0	12
17...	296	8.0	80	85	8.6	1.6	12	1	7.6

DATE	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	ALDRIN (UG/L)	CHLORDANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)
JUNE									
12...	.00	0	2	.00	.0	.00	.00	.00	.00
25...	.00	4	1	.00	.0	.00	.00	.00	.00
JULY									
09...	.00	4	1	.00	.0	.00	.00	.00	.00
AUG.									
06...	.00	0	4	.00	.0	.00	.00	.00	.00
20...	.00	0	3	.00	.0	.00	.00	.00	.00
SEP.									
04...	.00	8	1	.00	.0	.00	.00	.00	.00
17...	.00	0	3	--	--	--	--	--	--

DATE	ENDRIN (UG/L)	HEPTACHLOR (UG/L)	HEPTACHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	PCB (UG/L)	TOXAPHENE (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)
JUNE									
12...	.00	.00	.00	.00	.0	0	0	2	1
25...	.00	.00	.00	.00	.0	0	5	0	8
JULY									
09...	.00	.00	.00	.00	.0	0	0	1	9
AUG.									
06...	.00	.00	.00	.00	.0	0	3	1	0
20...	.00	.00	.00	.00	.0	0	2	1	2
SEP.									
04...	.00	.00	.00	.00	.0	0	2	1	0
17...	--	--	--	--	--	--	2	1	1

DATE	DIS-SOLVED CADMIUM (CD) (UG/L)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
JUNE								
12...	--	--	25	10	--	.4	40	10
25...	1	0	62	3	--	.2	80	3
JULY								
09...	0	0	10	0	--	2.3	40	20
AUG.								
06...	1	0	4	--	.1	.1	50	20
20...	0	0	7	1	.1	.2	20	20
SEP.								
04...	0	0	3	0	.3	.0	30	10
17...	1	0	11	10	.0	2.0	70	20

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

393

CALCASIEU RIVER BASIN

301432093135700 - CALCASIEU RIVER AT MILE 40 (LAT 30°14'32" LONG 93°13'57")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED IRON (FE) (UG/L)	BICAR- BONATE (HCO3) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL NITRATE (N) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
JUNE										
12...	110	14	11	58	.10	.10	--	22	44	33
25...	70	37	30	180	.08	.13	--	24	560	530
JULY										
09...	140	32	26	29	--	.07	.07	26	180	150
AUG.										
06...	10	59	48	180	--	.12	.15	7	190	140
20...	90	19	16	74	--	.17	.09	5	110	94
SEP.										
04...	60	56	46	310	--	.15	.10	16	1200	1200
17...	130	29	24	140	--	.14	.14	3	370	350

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE									
12...	477	6.9	50	21	6.3	.2	1200	20	6.0
25...	5490	7.4	50	47	5.1	1.0	450	40	4.9
JULY									
09...	1560	6.9	30	30	4.4	>4.4	520	440	6.9
AUG.									
06...	1300	6.9	30	50	4.5	.7	220	12	5.1
20...	4660	6.6	20	5	2.7	1.2	110	70	11
SEP.									
04...	8720	7.6	10	20	4.9	2.6	80	6	7.0
17...	2730	7.2	70	25	3.6	1.8	1900	92	10

DATE	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	ALDRIN (UG/L)	CHLOR- DANE (UG/L)	DDO (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)
JUNE									
12...	.01	0	2	.00	.0	.00	.00	.00	.00
25...	.00	3	1	.00	.0	.00	.00	.00	.00
JULY									
09...	.00	4	1	.00	.0	.00	.00	.00	.00
AUG.									
06...	.00	0	1	.00	.0	.00	.00	.00	.00
20...	.00	8	2	--	--	--	--	--	--
SEP.									
04...	.00	2	--	.00	.0	.00	.00	.00	<.01
17...	.00	0	0	.00	.0	.00	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CALCASIEU RIVER BASIN

301432093135700 - CALCASIEU RIVER AT MILE 40 (LAT 30°14'32" LONG 93°13'57")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	PCB (UG/L)	TOX- APHENE (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)
JUNE									
12...	.00	.00	.00	.00	.0	0	9	1	1
25...	.00	.00	.00	.00	.0	0	0	0	8
JULY									
09...	.00	.00	.00	.00	.0	0	0	1	22
AUG.									
06...	<.01	.00	.00	.00	.0	0	1	1	0
20...	--	--	--	--	--	--	2	1	1
SEP.									
04...	.00	.00	.00	.00	.0	0	2	2	1
17...	.00	.00	.00	.00	.0	0	1	1	0

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
JUNE								
12...	--	--	10	5	--	.0	20	10
25...	3	0	7	7	--	.2	30	0
JULY								
09...	12	0	8	0	--	.3	60	30
AUG.								
06...	1	0	0	0	.0	.0	40	20
20...	0	0	4	0	.1	.1	20	0
SEP.								
04...	1	0	10	13	.0	.0	30	0
17...	5	0	15	4	.3	.3	20	10

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

395

CALCASIEU RIVER BASIN

295040093204000 - CALCASIEU PASS AT ST. JOHNS ISLAND (LAT 29°50'40" 93°20'40")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED IRON (FE) (UG/L)	BICAR- BONATE (HCO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL NITRATE (N) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
JUNE										
12...	20	81	66	170	.08	.11	--	26	1300	1200
25...	30	74	61	290	.04	.18	--	151	1900	1800
JULY										
09...	--	107	88	160	--	.23	.02	--	3900	3800
AUG.										
06...	40	84	69	100	--	.10	.09	29	3800	3700
20...	90	97	80	130	--	.09	.00	3	4400	4300
SEP.										
04...	120	59	48	190	--	.19	.07	220	3500	3500
17...	70	85	75	240	--	.09	.10	62	3400	3300

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE									
12...	13000	8.2	40	42	7.4	1.0	--	--	8.9
25...	17700	7.7	20	75	7.7	2.2	250	100	--
JULY									
09...	27300	7.7	20	20	7.4	6.0	18	0	5.8
AUG.									
06...	31400	7.8	30	7	7.1	2.3	--	2	4.6
20...	30600	7.6	10	40	5.2	2.8	7	1	11
SEP.									
04...	25200	7.6	20	75	7.5	4.0	0	0	--
17...	25200	8.5	30	40	6.8	>6.8	330	2	8.2

DATE	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	ALDRIN (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)
JUNE									
12...	.00	0	2	.00	.0	.00	.00	.00	.00
25...	.00	0	1	.00	.0	.00	.00	.00	.00
JULY									
09...	--	1	--	--	--	--	--	--	--
AUG.									
06...	.00	0	5	.00	.0	.00	.00	.00	.00
20...	.00	2	2	.00	.0	.00	.00	.00	.00
SEP.									
04...	.00	2	1	.00	.0	.00	.00	.00	.00
17...	.00	0	0	.00	.0	.00	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CALCASIEU RIVER BASIN

295040093204000 - CALCASIEU PASS AT ST. JOHNS ISLAND (LAT 29°50'40" 93°20'40")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	PCB (UG/L)	1,2,4- TRICHLOROBENZENE (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)
JUNE									
12...	.00	.00	.00	.00	.0	0	0	3	3
25...	.00	.00	.00	.00	.0	0	11	0	9
JULY									
09...	--	--	--	--	--	--	--	--	--
AUG.									
06...	.00	.00	.00	.00	.0	0	1	1	0
20...	.00	.00	.00	.00	.0	0	2	0	0
SEP.									
04...	.00	.00	.00	.00	.0	0	4	1	1
17...	.00	.00	.00	.00	.0	0	2	1	2

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHROMIUM (CR6) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
JUNE								
12...	--	--	10	5	--	.2	140	10
25...	3	0	18	3	--	.2	10	10
JULY								
09...	--	--	--	--	--	--	--	--
AUG.								
06...	1	0	2	1	.1	.0	10	10
20...	--	0	6	4	.1	.5	40	7
SEP.								
04...	5	0	3	0	.0	.0	50	30
17...	3	0	11	12	.0	.0	40	20

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

397

ATCHAFALAYA BAY, LA.

During the period May 3 to Sept. 27, 1974, a series of water-quality data was collected in the Atchafalaya Bay to support a biological study conducted by the U.S. Fish and Wildlife Service. Samples were collected 0.5 ft (0.15 m) below surface.

293520091374000 - EAST COTE BLANCHE BAY STATION ECB 5 (LAT 29°35'20" LONG 91°37'40")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
JULY 10...	5.2	20	35	14	96	0	32	28	.15	.00
AUG. 01...	4.9	20	37	15	102	0	35	42	.38	.00
08...	5.4	0	33	20	93	0	62	290	.57	.00
SEP. 27...	3.5	20	40	34	120	0	20	450	.49	.00

DATE	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDED SOLIDS (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
JULY 10...	.00	.04	.01	232	35	150	69	339	7.9
AUG. 01...	.11	.12	.07	248	24	160	72	413	7.8
08...	.60	.07	.04	734	114	190	110	1260	7.7
SEP. 27...	.53	--	.12	1250	41	240	140	1790	7.9

DATE	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CARBON DIOXIDE (CO ₂) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL BORON (B) (UG/L)
JULY 10...	30.0	20	6.6	87	1.9	8.3	10	--	60
AUG. 01...	28.5	45	8.6	110	2.6	--	--	5.5	60
08...	26.0	35	7.6	93	3.0	--	--	6.7	100
SEP. 27...	25.5	60	8.4	101	2.4	--	--	7.3	190

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA BAY, LA.--Continued

29305091354000 - EAST COTE BLANCHE BAY STATION ECB 4 (LAT 29°35'05" LONG 91°35'40")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)
JULY									
02...	0.2	40	36	12	105	0	29	24	.52
AUG.									
01...	3.9	10	30	11	83	0	32	26	.09
08...	5.3	0	28	12	96	0	35	78	.11

DATE	TOTAL NITRITE (N) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDED SOLIDS (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
JULY									
02...	.00	.11	.17	.09	180	75	140	52	315
AUG.									
01...	.00	.11	.09	.03	156	52	120	52	310
08...	.01	.64	.05	.02	286	70	120	41	494

DATE	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CARBON DIOXIDE (CO ₂) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL BORON (B) (UG/L)
JULY								
02...	7.9	31.5	80	6.4	87	2.1	--	50
AUG.								
01...	7.6	29.0	47	--	--	3.3	5.8	50
08...	7.2	25.5	15	7.9	97	9.7	6.2	80

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

399

ATCHAFALAYA BAY, LA.--Continued

293440091322000 - EAST COTE BLANCHE BAY STATION ECB 3 LAT 29°34'40" LONG 91°32'20"

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
JULY										
10...	5.5	30	42	11	107	0	28	50	.12	.01
AUG.										
01...	5.2	20	45	12	113	0	30	66	.34	.00
08...	5.6	10	28	11	94	0	34	180	.17	.01
SEP.										
27...	5.6	0	30	10	105	0	39	43	.58	.00

DATE	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
JULY									
10...	.00	.11	.06	248	24	150	64	432	7.8
AUG.									
01...	.07	.09	.05	296	26	160	70	525	7.6
08...	.78	.08	.05	460	101	120	43	745	7.5
SEP.									
27...	.64	.17	.13	261	104	120	34	399	7.9

DATE	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CARBON DIOXIDE (CO ₂) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL BORON (B) (UG/L)
JULY									
10...	31.5	20	--	--	2.7	7.7	11	--	80
AUG.									
01...	29.0	35	8.3	110	4.5	--	--	5.6	110
08...	28.5	40	6.0	74	4.8	--	--	6.7	200
SEP.									
27...	27.5	80	8.6	108	2.1	--	--	8.0	70

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA BAY, LA.--Continued

293300091320500 - EAST COTE BLANCHE BAY STATION ECB 1 (LAT 29°33'00" LONG 91°32'05")

WATER QUALITY DATA: WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NESIUM (MG)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
MAY 16...	6.1	10	42	10	109	0	33	49
JULY 02...	6.3	30	39	9.9	108	0	29	30

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 100 C) (MG/L)	SUS- PENDED SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
MAY 16...	.22	.01	.40	.16	.07	221	65	150	59
JULY 02...	.41	.00	.11	.15	.03	182	83	140	49

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CARBON DIOXIDE (CO2) (MG/L)	TOTAL BORON (B) (UG/L)
MAY 16...	412	7.7	28.0	49	5.2	66	3.5	70
JULY 02...	334	8.0	27.5	80	4.6	58	1.7	60

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

401

ATCHAFALAYA BAY, LA.--Continued

293225091285500 ATCHAFALAYA BAY STATION LBB I (LAT 29°32'25" LONG 91°28'55")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NES- SIUM (MG) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
MAY 16...	6.3	10	41	12	118	0	28	24	.25	.01
JULY 10...	6.0	60	39	13	107	0	29	11	.66	.00
AUG. 08...	6.2	40	30	9.1	94	0	37	25	.35	.01

DATE	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDED SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
MAY 16...	.38	.21	.11	176	104	150	55	329	7.5
JULY 10...	.00	.19	.11	209	129	150	64	291	7.7
AUG. 08...	1.0	.11	.05	203	119	110	33	325	8.0

DATE	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CARBON DIOXIDE (CO ₂) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL BORON (B) (UG/L)
MAY 16...	27.0	42	4.7	58	6.0	--	--	--	50
JULY 10...	26.5	70	4.3	55	3.4	11	13	--	40
AUG. 08...	25.5	30	3.7	45	1.5	--	--	8.3	60

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA BAY, LA.--Continued

293220091280000 - ATCHAFALAYA BAY STATION LBB H (LONG 29°32'20" LAT 91°28'00")

WATER QUALITY DATA: WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (Fe) (UG/L)	DIS- SOLVED CAL- CIUM (Ca) (MG/L)	DIS- SOLVED MAG- NESIUM (Mg) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (Cl) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
MAY										
16...	5.5	0	42	12	107	0	37	16	.59	.00
JULY										
02...	5.5	20	39	8.9	100	0	25	14	.43	.00
10...	5.9	160	45	11	103	0	27	11	.88	.00
AUG.										
01...	5.2	20	45	19	124	0	35	15	.54	.00
08...	4.5	10	37	11	127	0	37	21	.00	.01
SEP.										
27...	5.4	40	27	7.8	92	0	37	20	.52	.00

DATE	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHU PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
MAY									
16...	.26	.23	.13	196	176	160	68	356	7.5
JULY									
02...	.11	.21	.12	193	87	130	52	279	7.8
10...	.11	.14	.11	221	125	160	76	291	7.8
AUG.									
01...	.47	.12	.08	199	37	190	88	339	7.9
08...	.63	.10	.08	222	136	140	36	357	7.8
SEP.									
27...	.57	.16	.12	181	110	100	25	303	7.7

DATE	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CARBON DIOXIDE (CO ₂) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL BORON (B) (UG/L)
MAY									
16...	25.5	100	4.1	49	5.4	--	--	--	70
JULY									
02...	28.0	90	8.7	110	2.5	--	--	--	50
10...	27.0	75	4.4	54	2.6	7.5	10	--	60
AUG.									
01...	28.5	49	6.2	79	2.5	--	--	5.0	50
08...	28.5	60	6.4	79	3.2	--	--	4.9	20
SEP.									
27...	25.0	85	7.6	90	2.9	--	--	6.8	70

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

403

ATCHAFALAYA BAY, LA.--Continued

293000091312000 - ATCHAFALAYA BAY STATION LBB G (LONG 29°30'00" LAT 91°31'20")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (MG/L)	DIS- SOLVED IRON (UG/L)	DIS- SOLVED CAL- CIUM (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
JULY										
02...	6.3	10	37	11	100	0	29	13	.41	.00
10...	6.7	40	42	10	104	0	32	12	.84	.00
AUG.										
01...	5.3	30	49	14	123	0	43	16	.50	.00
08...	6.1	10	37	11	126	0	36	21	1.2	.00
SEP.										
27...	5.3	30	28	7.6	95	0	37	22	.52	.00

DATE	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
JULY									
02...	.11	.19	.10	159	80	140	56	280	7.7
10...	.15	.17	.10	177	161	150	63	290	7.7
AUG.									
01...	.33	.12	.08	208	43	180	79	350	7.9
08...	.68	.15	.08	215	83	140	37	360	7.8
SEP.									
27...	.65	.15	.09	286	105	100	22	308	7.9

DATE	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CARBON DIOXIDE (CO2) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL BORON (B) (UG/L)
JULY									
02...	27.5	80	5.1	64	3.2	--	--	--	30
10...	27.0	80	4.8	59	3.3	4.2	2.9	--	60
AUG.									
01...	28.0	61	6.0	76	2.5	--	--	5.5	50
08...	26.5	80	7.0	86	3.2	--	--	5.8	40
SEP.									
27...	25.0	75	7.9	94	1.9	--	--	6.5	60

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA BAY, LA.--Continued

292820091312500 - ATCHAFALAYA BAY STATION LBB F (LONG 29°28'20" LONG 91°31'25")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NIUM (MG)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
JULY										
02...	6.3	240	34	12	100	0	19	14	.45	.00
10...	6.0	70	39	13	104	0	30	11	.88	.00
AUG.										
01...	5.1	10	48	35	120	0	75	220	.36	.00
08...	6.0	10	35	11	123	0	34	21	1.1	.00
SEP.										
27...	5.2	20	31	14	95	0	50	130	.53	.00

DATE	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDED SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCTI- VANCE (MICRO- MHOS)	PH
JULY									
02...	.06	.21	.12	184	113	140	54	280	7.9
10...	.14	.16	.10	189	141	150	65	291	7.9
AUG.									
01...	.11	.11	.07	671	45	260	170	1200	7.9
08...	.70	.15	.08	214	134	130	29	350	7.8
SEP.									
27...	.51	.13	.09	475	72	140	62	608	7.9

DATE	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CARBON DIOXIDE (CO ₂) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL BORON (B) (UG/L)
JULY									
02...	27.0	80	5.5	68	2.0	--	--	--	50
10...	27.5	80	5.0	62	2.1	3.7	5.1	--	60
AUG.									
01...	28.5	43	6.9	88	2.4	--	--	5.6	80
08...	28.0	80	7.5	91	3.1	--	--	6.5	40
SEP.									
27...	25.0	70	8.3	99	1.9	--	--	6.9	70

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

405

ATCHAFALAYA BAY, LA.--Continued

292635091313000 - ATCHAFALAYA BAY STATION LBB E (LAT 29°26'35" LONG 91°31'30")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO_2) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	BICAR- BONATE (HCO_3) (MG/L)	CAR- BONATE (CO_3) (MG/L)	DIS- SOLVED SULFATE (SO_4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
JULY										
02...	5.4	20	38	10	102	0	25	15	.66	.00
10...	6.4	70	41	13	105	0	32	11	.88	.00
AUG.										
01...	5.2	10	135	170	121	0	170	2200	.11	.03
08...	6.3	0	36	11	124	0	36	23	1.1	.01

DATE	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH
JULY									
02...	.24	.20	.12	162	121	140	53	285	7.7
10...	.38	.17	.10	239	27	150	68	292	7.8
AUG.									
01...	.24	.09	.06	4080	246	1000	940	7110	7.9
08...	.60	.13	.08	214	116	140	38	357	7.8

DATE	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CARBON DIOXIDE (CO_2) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL BORON (B) (UG/L)
JULY									
02...	26.5	80	--	--	3.3	--	--	--	30
10...	28.0	60	5.3	67	2.7	12	20	--	50
AUG.									
01...	27.5	25	6.8	85	2.4	--	--	5.1	50
08...	26.5	70	7.4	91	3.1	--	--	6.3	30

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA BAY, LA.--Continued

292630091153000 - ATCHAFALAYA BAY STATION PB 1 (LAT 29°26'30" LONG 91°15'30")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NESIUM (MG)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
MAY 03...	6.2	20	39	11	105	0	31	21	.32	.00
JULY 03...	6.4	30	35	11	101	0	28	14	.43	.00
16...	5.5	70	41	10	104	0	30	12	.77	.00
AUG. 06...	6.5	0	35	16	128	0	35	23	1.1	.01
SEP. 17...	5.0	10	28	13	102	0	47	73	.68	.01

DATE	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDED SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH
MAY 03...	.34	.19	.11	170	110	140	56	316	7.6
JULY 03...	.34	.27	.15	147	198	140	59	286	7.6
16...	.32	.16	.13	221	101	140	60	289	7.7
AUG. 06...	.74	.11	.07	212	147	170	65	362	7.8
SEP. 17...	.74	.21	.08	270	167	120	36	480	7.8

DATE	TEMPER- ATURE (DEG C)	TUR- BIDU- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CARBON DIOXIDE (CO2) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL BORON (B) (UG/L)
MAY 03...	23.0	71	5.4	62	4.2	--	--	--	50
JULY 03...	24.5	90	4.5	53	4.1	--	--	--	40
16...	24.5	55	4.5	53	3.3	13	20	--	40
AUG. 06...	26.0	70	6.1	77	3.2	--	--	--	40
SEP. 17...	26.0	80	6.7	82	2.6	.0	.0	6.3	70

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

407

ATCHAFALAYA BAY, LA.--Continued

292600091132500 - ATCHAFALAYA BAY STATION PB 2 (LAT 29°26'00" LONG 91°13'25")

WATER QUALITY DATA: WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NESIUM (MG)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
MAY										
03...	5.2	10	37	12	105	0	27	27	.19	.01
JULY										
15...	5.3	50	43	2.4	105	0	31	29	.41	.01
AUG.										
05...	5.7	13	34	11	122	0	30	41	--	--
SEPT.										
17...	7.2	70	45	50	112	0	100	600	.20	.02

DATE	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHOPHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUB- PENDEO SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CARB- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH
MAY									
03...	.43	.13	.06	184	45	140	55	324	7.6
JULY									
15...	.33	.13	.07	223	48	150	60	360	7.8
AUG.									
05...	--	--	--	--	76	130	30	401	7.7
SEPT.									
17...	.03	.13	.04	1450	62	320	230	2500	7.5

DATE	TEMPER- ATURE (DEG C)	TUR- BIDU- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CARBON DIOXIDE (CO ₂) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL BORON (B) (UG/L)
MAY									
03...	25.0	43	3.9	40	4.3	--	--	--	60
JULY									
15...	24.5	49	3.5	41	2.7	11	18	--	60
AUG.									
05...	28.5	55	7.5	96	3.4	--	--	--	30
SEPT.									
17...	28.5	60	4.8	61	5.7	.0	.1	11	200

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA BAY, LA.--Continued

292500091314000 - ATCHAFALAYA BAY STATION LBB D (LAT 29°25'00" LONG 91°31'40")

WATER QUALITY DATA - WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NESIUM (MG)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
JULY										
02...	6.3	30	37	11	101	0	28	16	.54	.00
10...	5.2	20	34	15	105	0	32	12	.93	.00
AUG.										
01...	5.0	20	320	140	130	0	190	3100	.11	.06
SEP.										
27...	5.1	30	38	38	96	0	100	490	.53	.00

DATE	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
JULY									
02...	.29	.22	.12	236	54	140	55	289	7.8
10...	.17	.16	.11	196	99	160	72	293	7.8
AUG.									
01...	.40	.08	.05	6090	50	1500	1400	9860	7.9
SEP.									
27...	.00	.11	.07	1390	52	250	170	1970	7.9

DATE	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CARBON DIOXIDE (CO ₂) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL BORON (B) (UG/L)
JULY									
02...	28.0	80	5.6	71	2.6	--	--	--	50
10...	28.0	50	5.0	63	2.7	26	19	--	50
AUG.									
01...	27.5	22	6.5	81	2.6	--	--	5.7	730
SEP.									
27...	25.0	70	8.2	98	1.9	--	--	6.1	160

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

409

ATCHAFALAYA BAY, LA.--Continued

292325091135500 - ATCHAFALAYA BAY STATION PB 3B (LAT 29°23'25" LONG 91°13'55")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
JULY 16...	5.6	60	46	7.3	102	0	22	11	.59	.00
AUG. 06...	6.0	0	32	11	120	0	30	27	.57	.01
SEP. 17...	5.7	40	38	34	109	0	32	380	.41	.02

DATE	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO- PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
JULY 16...	.37	.15	.09	245	5	140	61	287	7.7
AUG. 06...	.81	.08	.04	224	102	130	32	351	7.7
SEP. 17...	.76	.11	.04	1070	46	230	140	1610	7.7

DATE	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CARBON DIOXIDE (CO ₂) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL BORON (B) (UG/L)
JULY 16...	26.5	55	4.5	55	3.3	9.8	16	--	50
AUG. 06...	25.0	35	8.3	105	3.8	--	--	7.6	30
SEP. 17...	28.0	70	7.0	89	3.5	.0	.0	6.4	140

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA BAY, LA.--Continued

292240091123000 - ATCHAFALAYA BAY STATION PB 3 (LAT 29°22'40" LONG 91°12'30")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
JULY										
03...	6.7	30	39	9.6	105	0	28	20	.56	.00
16...	5.7	40	48	8.5	102	0	29	12	.63	.00
AUG.										
06...	6.7	10	32	10	117	0	26	47	.37	.01
SEP.										
17...	5.1	10	33	32	109	0	79	330	.52	.04

DATE	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
JULY									
03...	.23	.16	.09	170	75	140	51	301	7.7
16...	.09	.15	.09	190	93	150	71	287	7.6
AUG.									
06...	.88	.07	.02	230	98	120	24	406	7.7
SEP.									
17...	.98	.14	.07	806	73	210	120	1450	7.7

DATE	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CARBON DIOXIDE (CO ₂) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL BORON (B) (UG/L)
JULY									
03...	24.0	85	4.6	54	3.4	--	--	--	50
16...	24.0	49	4.6	54	4.1	11	18	--	40
AUG.									
06...	28.0	40	8.5	110	3.7	--	--	--	40
SEP.									
17...	27.0	90	7.0	86	3.5	.0	.0	7.3	140

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

411

ATCHAFALAYA BAY, LA.--Continued

292140091163500 - ATCHAFALAYA BAY STATION PB 4 (LAT 29°21'40" LONG 91°16'35")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
JULY										
03...	6.5	30	36	11	102	0	29	16	.56	.00
16...	5.2	60	38	13	100	0	30	14	.70	.00
AUG.										
06...	5.2	10	40	20	116	0	51	160	.53	.01
SEP.										
17...	5.0	30	44	64	110	0	140	750	.54	.01

DATE	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)
JULY									
03...	.34	.18	.10	161	91	140	53	289	7.8
16...	.29	.15	.09	234	7	150	66	293	7.9
AUG.									
06...	.69	.05	.01	524	102	180	85	827	7.7
SEP.									
17...	.62	.14	.05	2220	101	370	280	2860	7.7

DATE	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CARBON DIOXIDE (CO ₂) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL BORON (B) (UG/L)
JULY									
03...	28.0	80	5.3	67	2.6	--	--	--	--
16...	28.0	59	5.3	67	2.0	7.6	12	--	40
AUG.									
06...	28.0	30	8.8	110	3.7	--	--	4.9	70
SEP.									
17...	27.0	70	6.7	83	3.5	.0	.0	5.7	210

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA BAY, LA.--Continued

	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	
292335091122500 - ATCHAFALAYA BAY STATION BE B (LAT 29 23 35 LONG 091 12 25)									
MAY * 1974 03...	4.3	40	40	10	107	0	30	32	
293050091211000 - ATCHAFALAYA BAY STATION BW3 (LAT 29 30 50 LONG 091 21 10)									
MAY * 1974 16...	5.9	10	42	12	112	0	37	37	
DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDEd SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
292335091122500 - ATCHAFALAYA BAY STATION BE B (LAT 29 23 35 LONG 091 12 25)									
MAY * 1974 03...	.19	.01	.22	.14	.05	181	41	140	54
293050091211000 - ATCHAFALAYA BAY STATION BW3 (LAT 29 30 50 LONG 091 21 10)									
MAY * 1974 16...	.45	.00	.37	.21	.11	191	123	150	62
DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CARBON DIOXIDE (C02) (MG/L)	TOTAL BORON (B) (UG/L)	
292335091122500 - ATCHAFALAYA BAY STATION BE B (LAT 29 23 35 LONG 091 12 25)									
MAY * 1974 03...	338	7.5	24.5	27	5.3	63	5.4	50	
293050091211000 - ATCHAFALAYA BAY STATION BW3 (LAT 29 30 50 LONG 091 21 10)									
MAY * 1974 16...	351	7.6	26.0	76	4.6	56	4.5	50	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

413

ATCHAFALAYA RIVER BASIN, LA.

A series of water-quality data was collected in the Atchafalaya River basin to support a biological study conducted by the U.S. Fish and Wildlife Service. Samples were collected 0.5 ft (0.15 m) below surface, except as indicated at some sites. At these locations, time and depth of sampling are shown in the table.

300725091294000 - ATCHAFALAYA RIVER ABOVE MOUTH OF BAYOU SORREL (LAT 30°07'25" LONG 91°29'40")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (Fe) (UG/L)	DIS- SOLVED CHL- CUM (Ca) (MG/L)	DIS- SOLVED MAG- NE- SIUM (Mg) (MG/L)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLOR- IDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
OCT.												
17...	8.2	0	38	10	124	0	43	32	.81	.00	.62	.72
NOV.												
14...	7.8	20	35	5.4	116	0	42	28	.77	.00	.30	.38
DEC.												
12...	6.4	20	33	5.2	96	0	42	26	.52	.00	.34	.52
JAN.												
18...	7.6	20	25	5.1	79	0	32	15	.59	.00	.31	.39
FEB.												
14...	4.7	0	25	5.6	85	0	29	12	.68	.02	.12	.28
26...	6.0	10	26	7.8	85	0	25	14	.47	.01	.37	--
MAR.												
14...	6.1	70	26	5.5	93	0	27	15	.56	.01	.00	.26
APR.												
16...	6.2	50	33	7.9	100	0	37	14	.54	.01	.42	.36
MAY												
09...	7.0	50	32	9.7	101	0	32	16	.72	.00	.45	.29
JUNE												
13...	9.4	40	42	11	109	0	37	22	1.2	.00	.55	.48
JULY												
11...	4.5	--	35	13	101	0	34	10	.93	.00	.17	.34
AUG.												
08...	5.6	10	36	12	135	0	41	22	1.2	.00	.55	.13

DATE	TOTAL ORTHOPHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDED SOLIDS (MG/L)	HARD- NESS (Ca+Mg) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	TRANS- PAR- ENCY SECCHI DISK (IN)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION
OCT.												
17...	.08	210	450	140	34	384	8.1	23.0	140	4.8	6.8	78
NOV.												
14...	.22	217	420	120	27	351	8.1	14.0	110	--	6.4	62
DEC.												
12...	.32	170	762	120	37	314	8.1	12.0	200	--	7.4	67
JAN.												
18...	.19	146	310	90	25	237	8.1	4.5	110	3.5	--	--
FEB.												
14...	.20	154	347	98	28	249	7.4	9.0	100	5.9	7.9	68
26...	.17	151	233	97	27	242	7.5	--	98	--	--	--
MAR.												
14...	.17	196	152	100	24	252	8.0	15.5	90	5.0	8.3	82
APR.												
16...	.23	179	342	120	33	285	8.0	16.0	70	--	7.6	77
MAY												
09...	.20	167	310	120	37	289	7.3	21.5	90	7.0	7.0	79
JUNE												
13...	.30	176	452	150	61	339	7.4	25.0	180	6.0	5.1	61
JULY												
11...	.24	181	307	140	59	291	7.7	26.5	110	5.5	5.7	70
AUG.												
08...	.07	244	106	140	29	386	8.0	29.5	75	8.5	4.4	57

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA RIVER BASIN, LA.--Continued

300725091294000 - ATCHAFALAYA RIVER ABOVE MOUTH OF BAYOU SORREL (LAT 30°07'25" LONG 91°29'94")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	ALDRIN (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)
OCT. 17...	1.6	1.5	--	--	7800	1500	350	8.0	.00	.0	.00	.00
NOV. 14...	--	1.5	1.4	.0	--	--	--	6.0	--	--	--	--
DEC. 12...	--	1.2	--	--	1600	540	410	12	--	--	--	--
JAN. 18...	--	1.0	3.8	1.4	--	--	--	9.0	--	--	--	--
FEB. 14...	--	5.4	1.0	1.8	--	--	--	4.0	--	--	--	--
FEB. 26...	--	4.3	--	--	--	--	--	--	--	--	--	--
MAR. 14...	1.6	1.5	2.0	2.4	2000	60	<20	6.0	.00	.0	.00	.00
APR. 16...	--	1.6	1.3	7.3	--	--	--	4.0	--	--	--	--
MAY 09...	2.0	8.1	.4	.0	4400	93	12	8.0	--	--	--	--
JUNE 13...	--	6.9	9.4	13	--	--	--	9.0	--	--	--	--
JULY 11...	.5	3.2	4.2	2.9	360	185	32	8.5	--	--	--	--
AUG. 08...	--	2.2	--	--	--	--	--	9.5	--	--	--	--

DATE	DDT (UG/L)	DI- AZINON (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	PCB (UG/L)
OCT. 17...	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.0
MAR. 14...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.0

DATE	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BORON (B) (UG/L)	DIS- SOLVED CAD- MIUM (CU) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT. 17...	.02	.00	.00	2	590	3	0	10	5	.0	20
NOV. 14...	--	--	--	--	660	--	--	--	--	--	--
DEC. 12...	--	--	--	--	250	--	--	--	--	--	--
JAN. 18...	--	--	--	--	1000	--	--	--	--	--	--
FEB. 14...	--	--	--	--	40	--	--	--	--	--	--
FEB. 26...	--	--	--	--	--	--	--	--	--	--	--
MAR. 14...	.00	.00	.00	--	40	--	--	--	--	--	--
APR. 16...	--	--	--	--	100	--	--	--	--	--	--
MAY 09...	--	--	--	--	30	--	--	--	--	--	--
JUNE 13...	--	--	--	--	80	--	--	--	--	--	--
JULY 11...	--	--	--	--	--	--	--	--	--	--	--
AUG. 08...	--	--	--	--	40	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

415

ATCHAFALAYA RIVER BASIN, LA.--Continued

300551091361600 - BAYOU DARBY STATION W2 (LAT 30°05'51" LONG 91°36'16")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)
SEP. 05...	12	40	51	23	223	0	29	90	.00	.01	1.2
17...	--	--	--	--	--	--	--	--	.69	.00	.69

DATE	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)
SEP. 05...	.19	.06	412	76	220	37	492	7.6	23.5	60	--
17...	--	--	--	--	--	--	340	7.4	25.0	--	6.0

DATE	PER- CENT SATUR- ATION	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)	TOTAL BORON (B) (UG/L)
SEP. 05...	--	--	9.0	.1	.0	18	--	--	--	50
17...	71	.9	--	--	--	9.8	.00	.01	.00	--

300450091354000 - LITTLE GONSOULIN BAYOU STATION W1 (LAT 30°04'50" LONG 91°35'40")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)
SEP. 05...	3.4	50	36	13	136	0	48	26	.62	.01	.43
17...	--	--	--	--	--	--	--	--	.76	.01	.87

DATE	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)
SEP. 05...	.13	.07	231	65	140	28	400	7.4	28.0	60	--
17...	--	--	--	--	--	--	335	7.5	24.5	--	7.2

DATE	PER- CENT SATUR- ATION	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)	TOTAL BORON (B) (UG/L)
SEP. 05...	--	--	9.7	.0	.0	7.9	--	--	--	50
17...	85	1.3	--	--	--	10	.00	.01	.00	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA RIVER BASIN, LA.--Continued

300018091313300 - ATCHAFALAYA RIVER BASIN STATION WA I (LAT 30°00'18" LONG 91°31'33")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
OCT. 17...	8.0	0	38	11	130	0	46	29	.50	.01	.10	.18
NOV. 14...	8.2	0	36	9.3	134	0	32	33	.07	.00	.00	.06
DEC. 12...	8.4	10	37	8.6	136	0	36	30	.05	.00	.10	.05
JAN. 18...	7.0	20	26	5.1	78	0	32	16	.50	.00	.21	.18
FEB. 14...	3.9	0	20	11	83	0	30	13	.52	.00	.12	.14
MAR. 14...	6.4	60	26	8.0	96	0	27	15	.32	.00	.00	.15
APR. 16...	7.2	310	30	10	99	0	34	16	.45	.00	.00	.13
MAY 09...	9.6	60	34	5.6	100	0	31	12	.32	.00	.65	.13
JUNE 13...	6.5	0	40	13	107	0	25	20	.50	.00	.09	.10
JULY 11...	5.3	--	40	11	108	0	32	10	.50	.00	.00	.12
AUG. 22...	9.1	420	32	10	139	0	6.1	25	.00	.01	.54	.07
SEP. 17...	--	--	--	--	--	--	--	--	.62	.01	.67	--

DATE	TOTAL ORTHOPHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDED SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCTI- VANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	TRANS- PAR- ENCY SECCHI DISK (IN)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION
OCT. 17...	.06	231	74	140	34	386	8.1	25.0	60	7.7	6.9	82
NOV. 14...	.03	220	12	130	18	368	8.1	17.0	5	--	1.5	15
DEC. 12...	.05	202	17	130	16	365	7.9	12.5	20	43	5.4	50
JAN. 18...	.08	145	72	90	26	238	7.8	--	60	--	--	--
FEB. 14...	.11	155	49	97	29	249	7.0	11.5	80	9.1	6.5	59
MAR. 14...	.06	144	42	98	19	248	7.2	17.0	55	12	4.8	49
APR. 16...	.05	171	17	120	36	284	7.9	19.0	50	--	4.4	47
MAY 09...	.06	156	48	110	26	268	7.2	22.0	60	12	3.0	34
JUNE 13...	.04	190	29	150	65	321	7.1	29.0	35	16	.9	11
JULY 11...	.04	196	14	150	57	293	7.0	25.5	35	18	.8	10
AUG. 22...	.06	186	5	120	6	312	7.1	26.5	20	--	.0	0
SEP. 17...	--	--	--	--	--	352	7.1	28.0	--	--	5.3	67

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

417

ATCHAFALAYA RIVER BASIN, LA.--Continued

300018091313300 - ATCHAFALAYA RIVER BASIN STATION WA I (LAT 30°00'18" LONG 91°31'33")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)	TOTAL BORON (B) (UG/L)
OCT. 17...	1.7	1.7	--	--	10000	160	240	5.5	--	--	--	90
NOV. 14...	--	1.7	3.3	3.4	--	--	--	7.0	--	--	--	90
DEC. 12...	--	2.7	--	--	650	<7	56	3.0	--	--	--	--
JAN. 18...	--	2.0	3.6	10	--	--	--	6.0	--	--	--	0
FEB. 14...	--	13	2.8	7.6	--	--	--	--	--	--	--	40
MAR. 14...	1.3	9.7	13	23	500	80	24	5.0	--	--	--	20
APR. 16...	--	2.0	3.7	11	--	--	--	5.5	--	--	--	0
MAY 09...	1.3	10	.5	.4	2100	52	20	8.1	--	--	--	40
JUNE 13...	--	14	7.6	13	--	--	--	4.7	--	--	--	10
JULY 11...	.6	4.3	3.1	5.0	600	20	120	6.4	.00	.00	.00	--
AUG. 22...	--	18	--	--	--	--	--	8.1	--	--	--	50
SEP. 17...	1.0	--	--	--	--	--	--	6.8	.00	.01	.00	--

295935091313200 - ATCHAFALAYA RIVER BASIN BUFFALO COVE WB I (LAT 29°59'35" LONG 91°31'32")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS-SOLVED SILICA (SiO ₂) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	BICARBONATE (HCO ₃) (MG/L)	CARBONATE (CO ₃) (MG/L)	DIS-SOLVED SULFATE (SO ₄) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	ORGANIC NITROGEN (N) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT. 17...	7.7	70	38	11	130	0	45	29	.63	.00	.00	.24
NOV. 14...	7.1	0	36	7.1	126	0	35	29	.25	.00	.21	.17
DEC. 12...	6.5	20	33	7.4	109	0	41	25	.34	.00	.30	.16
JAN. 18...	6.7	30	27	5.5	82	0	29	15	.45	.00	.20	.16
FEB. 14...	3.8	10	24	5.5	83	0	31	13	.59	.01	.06	.11
MAR. 14...	6.7	50	27	7.7	89	0	28	15	.19	.00	.12	.14
APR. 16...	7.2	50	33	7.2	100	0	34	17	.47	.00	.07	.13
MAY 09...	5.9	20	34	6.6	102	0	31	14	.43	.00	.20	.12
JUNE 13...	5.7	0	39	12	110	0	36	20	.68	.00	.11	.11
JULY 11...	4.9	--	37	12	106	0	29	11	.54	.00	.00	.10
AUG. 08...	7.4	--	31	9.6	128	0	14	17	.01	.00	.61	.16
SEP. 05...	3.6	40	39	12	143	0	39	25	.48	.01	.66	.14

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA RIVER BASIN, LA.--Continued

295935091313200 - ATCHAFALAYA RIVER BASIN BUFFALO COVE WB I (LAT 29°59'35" LONG 91°31'32")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL ORTHOPHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDED SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	TRANS- PAR- ENCY SECCHI DISK (IN)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION
OCT.												
17...	.10	242	115	140	34	385	8.1	23.5	70	7.2	7.3	85
NOV.												
14...	.14	215	56	120	16	356	8.2	16.5	50	--	5.7	58
DEC.												
12...	.07	184	105	110	24	330	7.9	12.0	50	8.4	6.9	69
JAN.												
18...	.08	154	79	90	23	241	7.8	6.5	45	4.5	--	--
FEB.												
14...	.10	145	113	95	27	249	7.2	12.0	80	9.1	6.5	60
MAR.												
14...	.05	151	38	99	26	246	7.4	17.5	60	12	5.8	60
APR.												
16...	.06	168	30	110	30	287	8.0	21.5	30	--	5.1	57
MAY												
09...	.06	158	59	110	28	276	7.1	22.0	50	13	4.0	45
JUNE												
13...	.06	185	32	150	58	327	7.2	26.5	50	12	2.3	28
JULY												
11...	.06	172	64	140	56	289	7.7	26.5	50	17	1.7	21
AUG.												
08...	.04	174	130	120	15	292	7.6	28.0	50	18	1.5	19
SEP.												
05...	.09	236	27	150	33	391	7.8	27.0	40	--	--	--

DATE	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	ALDRIN (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)
OCT.												
17...	.6	1.7	--	--	3400	540	150	3.0	.00	.0	.00	.00
NOV.												
14...	--	1.3	4.3	1.3	--	--	--	8.5	--	--	--	--
DEC.												
12...	--	2.2	--	--	250	44	40	8.0	--	--	--	--
JAN.												
18...	--	2.1	3.2	3.1	--	--	--	5.5	--	--	--	--
FEB.												
14...	--	8.4	--	--	--	--	--	5.5	--	--	--	--
MAR.												
14...	.9	5.7	.3	4.5	400	33	8	5.5	--	--	--	--
APR.												
16...	--	1.6	3.3	1.1	--	--	--	4.0	--	--	--	--
MAY												
09...	4.0	13	.3	.0	540	30	40	5.5	--	--	--	--
JUNE												
13...	--	11	1.4	.3	--	--	--	4.8	--	--	--	--
JULY												
11...	--	3.4	2.8	.5	250	10	32	5.5	--	--	--	--
AUG.												
08...	--	5.1	--	--	--	--	--	7.6	--	--	--	--
SEP.												
05...	--	3.6	.0	.0	--	--	--	8.7	--	--	--	--

DATE	DDT (UG/L)	DI- AZINON (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	PCB (UG/L)
OCT.											
17...	.00	.00	.01	.00	.00	.00	.00	.00	.00	.00	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

419

ATCHAFALAYA RIVER BASIN, LA.--Continued

295935091313200 - ATCHAFALAYA RIVER BASIN BUFFALO COVE WB I (LAT 29°59'35" LONG 91°31'32")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BORON (B) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT. 17...	.02	.00	.00	0	660	1	0	5	3	.0	10
NOV. 14...	--	--	--	--	150	--	--	--	--	--	--
DEC. 12...	--	--	--	--	160	--	--	--	--	--	--
JAN. 18...	--	--	--	--	10	--	--	--	--	--	--
FEB. 14...	--	--	--	--	70	--	--	--	--	--	--
MAR. 14...	--	--	--	--	20	--	--	--	--	--	--
APR. 16...	--	--	--	--	40	--	--	--	--	--	--
MAY 09...	--	--	--	--	50	--	--	--	--	--	--
JUNE 13...	--	--	--	--	10	--	--	--	--	--	--
JULY 11...	--	--	--	--	--	--	--	--	--	--	--
AUG. 08...	--	--	--	--	50	--	--	--	--	--	--
SEP. 05...	--	--	--	--	70	--	--	--	--	--	--

295831091313200 - ATCHAFALAYA RIVER BASIN STATION WB III (LAT 29°58'31" LONG 91°31'32")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)
OCT. 17...	8.1	0	38	11	126	0	45	32	.56	.00	.26
NOV. 14...	10	20	34	8.0	114	0	35	28	.61	.00	.26
DEC. 12...	5.5	20	32	9.0	96	0	43	25	.45	.00	.39

DATE	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDE- SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (MG/L)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	TRANS- PAR- ENCY SECCHI DISK (IN)
OCT. 17...	.39	.07	232	321	140	37	387	8.0	24.0	130	4.8
NOV. 14...	.31	.14	217	242	120	25	341	8.1	--	110	--
DEC. 12...	.46	.26	176	701	120	38	320	8.1	11.5	200	3.6

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA RIVER BASIN, LA.--Continued

295831091313200 - ATCHAFALAYA RIVER BASIN STATION WB III (LAT 29°58'31" LONG 91°31'32")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL BORON (B) (UG/L)
OCT. 17...	7.3	85	1.0	2.0	--	--	8400	700	170	8.0	690
NOV. 14...	--	--	--	1.4	2.0	.0	--	--	--	11	100
DEC. 12...	9.0	82	--	1.2	--	--	3600	620	200	12	820

295853091300000 - ATCHAFALAYA RIVER BASIN STATION WD (LAT 29°58'53" LONG 91°30'00")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)
OCT. 17...	7.3	0	39	11	126	0	45	31	.52	.00	.27
NOV. 14...	7.8	10	36	9.7	136	0	35	33	.09	.00	.19
DEC. 12...	5.3	20	33	8.4	111	0	39	26	.36	.00	.18
JAN. 18...	5.7	10	26	6.6	84	0	30	16	.43	.00	.18
FEB. 14...	4.2	10	22	10	83	0	31	13	.56	.00	.06
MAR. 14...	5.8	60	26	8.5	86	0	27	15	.41	.00	.29
APR. 16...	6.2	60	29	10	102	0	34	17	.45	.00	.00
MAY 09...	5.5	30	31	8.9	102	0	43	15	.45	.00	.23
JUNE 13...	5.7	10	41	12	109	0	36	22	.54	.00	.03
JULY 11...	5.0	--	38	11	106	0	31	10	.56	.00	.11
AUG. 08...	7.2	10	30	8.5	115	0	19	15	.05	.00	.61
SEP. 05...	5.9	90	38	12	145	0	26	29	.07	.02	.58
17...	--	--	--	--	--	--	--	--	.10	.01	.63

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

421

ATCHAFALAYA RIVER BASIN, LA.--Continued

295853091300000 - ATCHAFALAYA RIVER BASIN STATION WD (LAT 29°58'53" LAT 91°30'00")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDED SOLIDS (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	TRANS- PAR- ENCY SECCHI DISK (IN)
OCT. 17...	.29	.15	240	199	140	39	386	8.1	23.0	140	6.0
NOV. 14...	.11	.07	225	26	130	18	377	8.2	17.5	10	--
DEC. 12...	.15	.08	181	88	120	26	327	7.8	12.0	60	9.6
JAN. 18...	.15	.08	152	56	92	23	245	8.0	--	50	10
FEB. 14...	.12	.08	150	115	97	29	249	7.2	11.5	70	10
MAR. 14...	.19	.06	147	62	100	28	245	7.1	17.0	50	10
APR. 16...	.11	.06	157	31	120	31	286	7.7	19.5	40	--
MAY 09...	.13	.08	164	67	110	30	282	7.4	22.0	75	9.5
JUNE 13...	.11	.06	192	45	150	61	327	7.9	25.0	25	17
JULY 11...	.12	.07	236	31	140	55	291	7.6	26.0	40	14
AUG. 08...	.08	.02	160	110	110	16	277	7.6	27.0	35	--
SEP. 05...	.12	.09	209	33	140	21	385	7.7	26.0	40	--
17...	--	--	--	--	--	--	380	7.1	28.5	--	--

DATE	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	2,4-D (UG/L)
OCT. 17...	6.8	78	1.2	1.6	--	--	6400	760	200	5.5	--
NOV. 14...	4.1	43	--	1.4	2.2	.7	--	--	--	3.5	--
DEC. 12...	6.9	64	--	2.8	--	--	2600	30	60	5.0	--
JAN. 18...	--	--	--	1.3	3.7	9.4	--	--	--	7.0	--
FEB. 14...	6.1	55	--	8.4	.6	14	--	--	--	6.0	--
MAR. 14...	7.4	76	1.3	11	2.0	1.1	750	60	16	5.5	.00
APR. 16...	4.8	53	--	3.3	3.7	6.4	--	--	--	4.0	--
MAY 09...	5.5	62	1.2	6.5	2.2	3.3	3800	25	16	5.5	--
JUNE 13...	1.5	18	--	2.2	--	--	--	--	--	7.9	--
JULY 11...	2.9	35	.5	4.3	5.9	1.8	320	35	80	5.5	--
AUG. 08...	3.1	38	--	4.6	--	--	--	--	--	5.5	--
SEP. 05...	--	--	--	4.6	.0	.0	--	--	--	7.1	--
17...	3.0	38	1.6	--	--	--	--	--	--	7.2	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA RIVER BASIN, LA.--Continued

295853091300000 - ATCHAFALAYA RIVER BASIN STATION WD (LAT 29°58'53" LAT 91°30'00")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	2,4,5-T (UG/L)	SILVEX (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BORON (B) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT.										
17...	--	--	1	160	1	0	5	2	.0	10
NOV.										
14...	--	--	--	120	--	--	--	--	--	--
DEC.										
12...	--	--	--	90	--	--	--	--	--	--
JAN.										
18...	--	--	--	140	--	--	--	--	--	--
FEB.										
14...	--	--	--	20	--	--	--	--	--	--
MAR.										
14...	.00	.00	--	20	--	--	--	--	--	--
APR.										
16...	--	--	--	30	--	--	--	--	--	--
MAY										
09...	--	--	--	40	--	--	--	--	--	--
JUNE										
13...	--	--	--	0	--	--	--	--	--	--
JULY										
11...	--	--	--	--	--	--	--	--	--	--
AUG.										
08...	--	--	--	30	--	--	--	--	--	--
SEP.										
05...	--	--	--	70	--	--	--	--	--	--
17...	--	--	--	--	--	--	--	--	--	--

295830091311000 - ATCHAFALAYA RIVER BASIN STATION WC (LAT 29°58'30" LONG 91°31'10")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
OCT.										
17...	7.6	10	32	11	126	0	44	31	.72	.00
NOV.										
14...	7.8	10	34	7.8	116	0	36	28	.63	.00
DEC.										
12...	5.5	30	33	7.2	96	0	41	25	.47	.00
JAN.										
18...	6.5	10	27	6.0	80	0	30	16	.52	.00
FEB.										
14...	3.9	10	24	9.2	82	0	28	11	.50	.01
MAR.										
14...	5.6	120	25	9.0	98	0	27	14	.41	.01
APR.										
16...	6.8	40	32	7.3	100	0	32	16	.54	.01
MAY										
09...	--	120	34	7.6	101	0	33	14	.52	.00
JUNE										
13...	6.3	30	45	9.9	109	0	37	19	1.0	.00
JULY										
11...	4.4	--	35	13	102	0	32	12	.81	.00
AUG.										
08...	6.3	50	35	10	126	0	27	18	.68	.01

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

423

ATCHAFALAYA RIVER BASIN, LA.--Continued

295830091311000 - ATCHAFALAYA RIVER BASIN STATION WC (LAT 29°58'30" LONG 91°31'10")--Continued

WATER QUALITY DATA: WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDE D SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)
OCT.										
17...	.00	.46	.17	238	379	140	39	387	8.0	24.0
NOV.										
14...	.31	.31	.18	213	283	120	22	342	8.1	--
DEC.										
12...	.38	.46	.27	177	545	110	33	317	8.0	11.5
JAN.										
18...	.22	.27	.15	147	248	92	26	237	8.0	7.0
FEB.										
14...	.02	.14	.08	146	78	98	31	245	7.6	12.0
MAR.										
14...	.12	.22	.12	150	137	100	22	247	7.6	16.0
APR.										
16...	.24	.27	.18	176	233	110	28	287	7.9	17.5
MAY										
09...	.03	.24	.15	205	132	120	33	283	7.4	21.5
JUNE										
13...	.29	.39	.23	186	297	150	64	324	7.2	25.0
JULY										
11...	.11	.25	.17	180	327	140	57	289	7.6	26.0
AUG.										
08...	.61	.12	.06	196	122	130	27	325	7.7	27.5

DATE	TUR- BID- ITY (MG/L)	TRANS- PAR- ENCY SECCHI DISK (IN)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)
OCT.										
17...	140	4.8	6.8	80	1.6	2.0	--	--	7200	700
NOV.										
14...	110	--	--	--	--	1.5	8.6	8.9	--	--
DEC.										
12...	20	3.6	9.0	82	--	1.5	--	--	5800	640
JAN.										
18...	90	4.5	--	--	--	1.3	.3	3.2	--	--
FEB.										
14...	85	10	7.4	69	--	3.3	7.1	.5	--	--
MAR.										
14...	85	8.0	7.6	17	1.3	3.9	2.8	2.4	1000	87
APR.										
16...	60	--	5.6	69	--	2.0	3.5	3.6	--	--
MAY										
09...	90	7.0	5.4	72	1.5	5.4	.4	.3	9800	54
JUNE										
13...	90	5.8	4.9	58	--	11	5.6	5.4	--	--
JULY										
11...	100	5.0	4.9	60	.9	4.1	9.3	14	440	120
AUG.										
08...	45	11	2.0	36	--	4.0	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA RIVER BASIN, LA.--Continued

295830091311000 - ATCHAFALAYA RIVER BASIN STATION WC (LAT 29°58'30" LONG 91°31'10")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BORON (B) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT. 17...	160	5.5	2	530	2	0	5	2	.0	0
NOV. 14...	--	11	--	70	--	--	--	--	--	--
DEC. 12...	340	9.0	--	980	--	--	--	--	--	--
JAN. 18...	--	8.5	--	10	--	--	--	--	--	--
FEB. 14...	--	3.5	--	60	--	--	--	--	--	--
MAR. 14...	20	9.0	--	10	--	--	--	--	--	--
APR. 16...	--	5.5	--	60	--	--	--	--	--	--
MAY 09...	4	7.0	--	60	--	--	--	--	--	--
JUNE 13...	--	9.3	--	30	--	--	--	--	--	--
JULY 11...	44	8.5	--	--	--	--	--	--	--	--
AUG. 08...	--	6.5	--	50	--	--	--	--	--	--

295740091310800 - ATCHAFALAYA RIVER BASIN STATION WC (LAT 29°57'40" Lat 91°31'08")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)
OCT. 17...	8.5	0	38	11	127	0	44	32	.77	.00	.25
NOV. 14...	10	20	34	8.0	118	0	35	29	.61	.00	.34
DEC. 12...	4.7	20	32	6.1	96	0	42	26	.41	.00	.48
JAN. 18...	6.1	20	26	6.1	82	0	30	16	.50	.00	.22
FEB. 14...	3.9	10	24	8.3	85	0	28	12	.56	.01	.00
MAR. 12...	7.4	70	26	8.3	90	0	27	15	.54	.01	.00
APR. 16...	6.6	100	32	8.8	103	0	35	15	.61	.01	.22
MAY 09...	5.5	40	34	6.8	102	0	33	16	.56	.00	.62
JUNE 13...	6.1	0	40	11	108	0	37	20	1.0	.00	.37
JULY 11...	4.8	--	35	13	103	0	32	10	.90	.00	.14
AUG. 08...	6.0	40	34	11	128	0	30	19	.84	.01	.65
SEP. 05...	2.6	40	39	12	149	0	47	23	.57	.01	.49

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

425

ATCHAFALAYA RIVER BASIN, LA.--Continued

295740091310800 - ATCHAFALAYA RIVER BASIN STATION WG (LAT 29°57'40" LONG 91°31'08")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHU- PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 150 C) (MG/L)	SUS- PENDED SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	TRANS- PAR- ENCY SECCHI DISK (IN)
OCT. 17...	.42	.09	239	336	140	36	387	8.1	23.5	140	5.2
NOV. 14...	.33	.17	213	292	120	21	341	8.1	15.0	120	--
DEC. 12...	.47	.25	178	551	110	31	317	8.0	11.5	200	3.6
JAN. 13...	.29	.14	149	235	90	23	237	8.0	9.0	90	4.5
FEB. 14...	.21	.13	149	220	94	24	244	7.4	11.0	85	5.9
MAR. 12...	.24	.14	152	146	99	26	245	7.6	16.5	90	7.5
APR. 16...	.27	.15	173	250	120	32	286	8.1	18.0	85	--
MAY 09...	.20	.14	164	118	110	29	280	7.5	22.0	80	7.5
JUNE 13...	.37	.22	190	298	150	58	320	7.3	25.5	100	5.6
JULY 11...	.30	.28	129	290	140	57	292	7.7	26.0	110	6.0
AUG. 08...	.13	.06	189	78	130	25	337	7.7	27.0	50	9.2
SEP. 05...	.12	.11	238	43	150	28	397	7.9	27.0	45	--

DATE	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	HIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	TOTAL BORON (B) (UG/L)
OCT. 17...	6.4	74	1.0	1.6	--	--	6600	1100	84	13	70
NOV. 14...	7.4	73	--	1.5	6.8	9.7	--	--	--	11	90
DEC. 12...	9.0	82	--	1.5	--	--	4400	610	310	16	390
JAN. 18...	--	--	--	1.3	3.1	2.8	--	--	--	8.5	20
FEB. 14...	7.2	65	--	5.4	9.0	6.6	--	--	--	7.0	40
MAR. 12...	8.2	84	1.8	3.6	6.7	12	1200	67	80	7.5	200
APR. 16...	6.4	67	--	1.3	2.1	5.8	--	--	--	5.5	60
MAY 09...	6.1	69	1.1	5.2	4.8	2.6	5200	27	20	6.3	30
JUNE 13...	4.0	58	--	8.7	18	28	--	--	--	12	30
JULY 11...	5.2	63	2.0	3.3	12	18	360	390	20	7.5	--
AUG. 08...	3.7	46	--	4.1	--	--	--	--	--	7.2	40
SEP. 05...	--	--	--	3.0	.0	.0	--	--	--	5.5	70

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA RIVER BASIN, LA.--Continued

295656091301700 - ATCHAFALAYA RIVER BASIN STATION WF (LAT 29°56'56" LONG 91°30'17")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SiO ₂) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NESIUM (MG)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	DIS- SOLVED SULFATE (SO ₄) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
OCT. 17...	8.4	0	38	11	128	0	43	32	.63	.00	.08	.30
NOV. 14...	9.0	20	34	8.0	122	0	35	28	.59	.00	.28	.26
DEC. 12...	5.5	10	32	7.6	97	0	42	26	.43	.00	.67	.47
FEB. 14...	4.7	20	25	8.6	85	0	27	13	.43	.01	.05	.17
MAR. 14...	7.4	50	25	9.5	88	0	27	13	.23	.00	.29	.16
APR. 16...	6.6	40	31	9.9	102	0	35	17	.52	.02	.16	.18
MAY 09...	6.5	40	30	12	100	0	33	15	.52	.00	.32	.22
JUNE 13...	6.2	0	32	17	107	0	23	20	1.0	.00	.34	.36
JULY 11...	4.7	--	36	13	102	0	32	11	.93	.00	.00	.18
AUG. 08...	5.9	50	34	10	126	0	27	18	.62	.00	.65	.11
SEP. 05...	2.6	40	40	12	142	0	47	23	.54	.01	.46	.12

DATE	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDED SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	TRANS- PAR- ENCY SECCHI DISK (IN)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION
OCT. 17...	.11	235	208	140	35	387	8.1	23.0	140	5.2	6.9	79
NOV. 14...	.17	210	237	120	18	343	8.2	16.0	110	--	6.2	63
DEC. 12...	.28	181	413	110	31	319	8.0	12.0	160	3.6	8.8	81
FEB. 14...	.08	147	89	98	28	243	7.3	12.0	80	7.9	6.8	63
MAR. 14...	.06	148	72	100	33	243	7.5	17.0	70	8.0	7.6	78
APR. 16...	.09	176	86	120	34	289	8.0	18.0	75	--	6.4	67
MAY 09...	.10	159	102	120	43	282	7.3	22.0	80	8.0	6.2	70
JUNE 13...	.15	195	179	150	62	325	7.4	26.0	85	6.0	4.6	56
JULY 11...	.11	193	97	140	60	293	7.6	26.5	100	6.0	4.5	55
AUG. 08...	.04	193	93	130	27	322	7.8	27.0	50	12	3.6	44
SEP. 05...	.08	227	18	150	34	395	7.8	27.5	40	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

427

ATCHAFALAYA RIVER BASIN, LA.--Continued

295656091301700 - ATCHAFALAYA RIVER BASIN STATION WF (LAT 29°56'56" LONG 91°30'17")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	ALDRIN (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)
OCT. 17...	1.1	1.6	--	--	4200	860	160	5.5	.00	.0	.00	.00
NOV. 14...	--	1.2	2.2	.0	--	--	--	11	--	--	--	--
DEC. 12...	--	1.6	--	--	4000	460	190	12	--	--	--	--
FEB. 14...	--	6.8	1.0	5.9	--	--	--	4.5	--	--	--	--
MAR. 14...	1.1	4.5	5.9	7.0	500	33	<20	6.0	--	--	--	--
APR. 16...	--	1.6	2.7	9.8	--	--	--	4.0	--	--	--	--
MAY 09...	1.7	8.0	.9	.1	3000	67	4	10	--	--	--	--
JUNE 13...	--	6.8	6.6	7.2	--	--	--	6.5	--	--	--	--
JULY 11...	--	4.1	9.0	14	200	180	170	6.5	--	--	--	--
AUG. 08...	--	3.2	--	--	--	--	--	5.7	--	--	--	--
SEP. 05...	--	3.6	.0	.0	--	--	--	5.2	--	--	--	--

DATE	DDT (UG/L)	DI- AZINON (UG/L)	DI- ELURIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	MALA- THION (UG/L)	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	PCB (UG/L)
OCT. 17...	.00	.01	.01	.00	.00	.00	.00	.00	.00	.00	.0

DATE	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BORON (B) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT. 17...	.03	.00	.00	1	650	1	0	5	3	.0	0
NOV. 14...	--	--	--	--	130	--	--	--	--	--	--
DEC. 12...	--	--	--	--	700	--	--	--	--	--	--
FEB. 14...	--	--	--	--	20	--	--	--	--	--	--
MAR. 14...	.02	.00	.00	--	20	--	--	--	--	--	--
APR. 16...	--	--	--	--	40	--	--	--	--	--	--
MAY 09...	--	--	--	--	50	--	--	--	--	--	--
JUNE 13...	--	--	--	--	50	--	--	--	--	--	--
JULY 11...	--	--	--	--	--	--	--	--	--	--	--
AUG. 08...	--	--	--	--	50	--	--	--	--	--	--
SEP. 05...	--	--	--	--	70	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA RIVER BASIN, LA.--Continued

294810091145200 - ATCHAFALAYA RIVER BASIN LITTLE BAYOU SORRELL (LAT 29°48'10" LONG 91°14'52")

WATER QUALITY DATA. WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
OCT.												
18...	7.7	10	38	11	144	0	36	48	.11	.01	.19	.16
NOV.												
15...	6.0	10	34	9.9	126	0	37	41	.81	.00	.27	.13
DEC.												
13...	5.6	10	33	8.2	114	0	42	28	.07	.00	.35	.08
JAN.												
14...	5.7	20	28	5.8	95	0	33	19	.16	.00	.18	.12
FEB.												
12...	4.3	20	23	7.9	76	0	22	13	.34	.00	.00	.11
MAR.												
12...	4.2	80	23	11	94	0	27	14	.10	.00	.00	.11
APR.												
09...	6.5	40	33	7.2	100	0	31	17	.03	.00	.12	.08
MAY												
07...	6.9	80	31	9.6	106	0	35	14	.04	.00	.06	.10
JUNE												
11...	9.0	0	37	13	115	0	59	19	.04	.00	.00	.04
JULY												
09...	4.4	70	35	11	105	0	26	11	.04	.00	.00	.03
AUG.												
07...	8.5	10	32	10	124	0	21	21	.16	.01	.59	.06

DATE	TOTAL ORTHU PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDED SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	TRANS- PAR- ENCY SECCHI DISK (IN)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION
OCT.												
18...	.05	264	10	140	22	445	8.0	23.5	6	10	4.8	56
NOV.												
15...	.06	233	26	130	22	376	8.2	19.5	30	--	4.2	46
DEC.												
13...	.06	193	32	120	23	341	7.9	13.5	40	--	4.9	47
JAN.												
14...	.06	161	37	98	20	271	7.9	15.0	35	14	5.0	49
FEB.												
12...	.05	135	25	90	28	225	7.3	13.0	50	14	5.9	56
MAR.												
12...	.04	143	19	100	25	243	7.2	20.5	36	28	3.4	37
APR.												
09...	.02	170	19	110	30	281	7.2	20.5	20	--	2.8	31
MAY												
07...	.02	162	11	120	30	277	7.1	22.5	6	77	2.0	23
JUNE												
11...	.01	181	7	140	51	311	7.4	28.0	5	144	1.2	15
JULY												
09...	.01	193	76	130	47	275	7.6	25.0	10	144	2.0	24
AUG.												
07...	.04	164	58	120	18	317	7.7	30.0	20	28	2.9	38

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

429

ATCHAFALAYA RIVER BASIN, LA.--Continued

294810091145200 - ATCHAFALAYA RIVER BASIN LITTLE BAYOU SORRELL (LAT 29°48'10" LONG 91°14'52")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	CHLORO-PHYLL A (UG/L)	CHLORO-PHYLL B (UG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	ALDRIN (UG/L)	CHLORDANE (UG/L)	DDD (UG/L)	DDE (UG/L)
OCT. 18...	1.4	2.3	--	--	2200	50	60	2.5	.00	.0	.00	.00
NOV. 15...	--	1.3	4.5	4.3	--	--	--	7.0	--	--	--	--
DEC. 13...	--	2.3	--	--	460	50	160	6.0	--	--	--	--
JAN. 14...	--	1.9	.4	.6	--	--	--	6.0	--	--	--	--
FEB. 12...	--	6.1	.6	3.6	--	--	--	4.5	--	--	--	--
MAR. 12...	1.1	9.5	3.1	2.3	4000	35	36	5.0	.00	.0	.00	.00
APR. 09...	--	10	3.0	5.8	--	--	--	7.5	--	--	--	--
MAY 07...	2.0	13	.1	.0	1200	2	130	16	--	--	--	--
JUNE 11...	--	7.3	2.0	2.9	--	--	--	5.3	--	--	--	--
JULY 09...	--	4.2	2.1	4.4	90	2	38	6.8	.00	.0	.00	.00
AUG. 07...	--	4.0	--	--	--	--	--	9.1	--	--	--	--

DATE	DDT (UG/L)	DI-AZINON (UG/L)	DI-ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	MALATHION (UG/L)	METHYL PARATHION (UG/L)	PARATHION (UG/L)	PCB (UG/L)
OCT. 18...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.0
MAR. 12...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.0
JULY 09...	.00	--	.00	.00	.00	.00	.00	--	--	--	.0

DATE	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL BORON (B) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)
OCT. 18...	.10	.00	.00	1	900	1	0	3	2	.0	0
NOV. 15...	--	--	--	--	110	--	--	--	--	--	--
DEC. 13...	--	--	--	--	180	--	--	--	--	--	--
JAN. 14...	--	--	--	--	20	--	--	--	--	--	--
FEB. 12...	--	--	--	--	20	--	--	--	--	--	--
MAR. 12...	.00	.00	.00	--	20	--	--	--	--	--	--
APR. 09...	--	--	--	--	10	--	--	--	--	--	--
MAY 07...	--	--	--	--	30	--	--	--	--	--	--
JUNE 11...	--	--	--	--	5	--	--	--	--	--	--
JULY 09...	.00	.00	.00	1	40	2	--	3	2	.3	20
AUG. 07...	--	--	--	--	30	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA RIVER BASIN, LA.--Continued

294745091174700 - ATCHAFALAYA RIVER BASIN DUCK LAKE STATION EH (LAT 29°47'45" LONG 91°17'47")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	RICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
OCT.												
18...	8.5	0	39	12	139	0	49	31	.20	.00	.23	.15
NOV.												
15...	7.7	10	30	9.0	128	0	37	29	.25	.00	.24	.10
DEC.												
13...	5.0	20	33	5.2	97	0	42	27	.41	.00	.35	.20
JAN.												
14...	6.5	20	26	5.1	82	0	34	15	.47	.00	.08	.19
FEB.												
12...	4.8	20	24	9.0	83	0	31	15	.47	.01	.07	.16
MAR.												
12...	5.3	50	25	5.4	89	0	28	15	.23	.00	.52	.14
APR.												
09...	6.7	70	31	9.1	98	0	32	18	.59	.01	.18	.12
MAY												
07...	5.2	40	31	10	102	0	33	15	.52	.00	.11	.16
JUNE												
11...	5.8	10	38	14	106	0	40	20	.93	.00	.23	.10
JULY												
09...	5.1	10	35	13	106	0	28	10	.45	.00	.00	.10
AUG.												
07...	9.1	10	31	9.4	122	0	19	19	--	.01	.49	.07
SEP.												
17...	--	--	--	--	--	--	--	--	.21	.00	.78	--
19...	6.0	--	32	12	153	0	18	40	.01	.01	.83	.79

DATE	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDED SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	TRANS- PAR- ENCY SECCHI DISK (IN)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION
OCT.												
18...	.05	250	26	150	33	409	8.1	22.0	34	12	6.6	75
NOV.												
15...	.06	235	36	130	22	378	8.2	19.5	35	--	5.2	57
DEC.												
13...	.12	181	137	110	28	318	8.0	14.5	90	--	6.3	60
JAN.												
14...	.10	140	88	90	23	240	7.8	9.0	60	7.0	10.2	88
FEB.												
12...	.08	143	111	97	29	246	7.4	11.5	95	--	7.2	67
MAR.												
12...	.05	159	47	97	24	246	7.7	19.5	60	11	7.7	83
APR.												
09...	.06	182	30	120	35	294	7.6	18.0	40	--	6.5	68
MAY												
07...	.05	167	24	120	36	280	7.4	23.0	65	10	5.1	59
JUNE												
11...	.06	194	64	150	65	329	7.9	27.5	49	14	3.1	39
JULY												
09...	.06	201	17	140	52	281	7.7	26.5	50	14	3.5	43
AUG.												
07...	.03	160	64	120	20	300	7.6	26.0	20	19	3.4	41
SEP.												
17...	--	--	--	--	--	408	6.7	27.0	--	--	.7	9
19...	.05	257	31	130	4	422	7.4	26.0	20	--	1.4	17

ATCHAFALAYA RIVER BASIN, LA.--Continued

294745091174700 - ATCHAFALAYA RIVER BASIN DUCK LAKE STATION EH (LAT 29°47'45" LONG 91°17'47")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DI-OXIDE CHLORINE (MG/L)	CARBON DIOXIDE (MG/L)	CHLOROPHYLL A (UG/L)	CHLOROPHYLL B (UG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	STREPTOCOCCI (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)	ALUMINUM (UG/L)	CHLOROPHYLL A (UG/L)	DDT (UG/L)	DDE (UG/L)
OCT. 18...	.7	1.6	--	--	4200	140	260	--	.00	.0	.00	.00
NOV. 15...	--	1.3	1.4	.0	--	--	--	7.5	--	--	--	--
DEC. 13...	--	1.6	--	--	600	100	180	5.0	--	--	--	--
JAN. 14...	--	2.1	1.3	4.7	--	--	--	5.0	--	--	--	--
FEB. 12...	--	5.3	.6	3.4	--	--	--	--	--	--	--	--
MAR. 12...	.6	2.6	1.5	3.9	1700	12	16	5.0	--	--	--	--
APR. 09...	--	3.4	5.5	5.7	--	--	--	5.5	--	--	--	--
MAY 07...	.2	6.5	.5	.6	1200	12	88	4.7	--	--	--	--
JUNE 11...	--	2.1	--	--	--	--	--	5.1	--	--	--	--
JULY 09...	.4	3.4	7.4	11	320	30	164	6.1	.00	.0	.00	.00
AUG. 07...	--	4.4	--	--	--	--	--	7.1	--	--	--	--
SEP. 17...	2.6	--	--	--	--	--	--	4.6	--	--	--	--
19...	--	4.7	--	--	--	--	--	14	--	--	--	--

DATE	DDT (UG/L)	DIT- AZINON (UG/L)	DIT- ELORIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	MALATHION (UG/L)	METHYL PARATHION (UG/L)	PARATHION (UG/L)	PCB (UG/L)
OCT. 18...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	.0
JULY 09...	.00	--	<.01	.00	.00	.00	.00	--	--	--	.0

DATE	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVER (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BORON (H) (UG/L)	DIS- SOLVED CAU- MIUM (CU) (UG/L)	HEXA- VALENT CHROMIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT. 18...	.10	.00	.00	1	480	1	0	4	2	.0	0
NOV. 15...	--	--	--	--	650	--	--	--	--	--	--
DEC. 13...	--	--	--	--	--	--	--	--	--	--	--
JAN. 14...	--	--	--	--	10	--	--	--	--	--	--
FEB. 12...	--	--	--	--	0	--	--	--	--	--	--
MAR. 12...	--	--	--	--	10	--	--	--	--	--	--
APR. 09...	--	--	--	--	30	--	--	--	--	--	--
MAY 07...	--	--	--	--	40	--	--	--	--	--	--
JUNE 11...	--	--	--	--	20	--	--	--	--	--	--
JULY 09...	.00	.02	.00	2	50	3	--	6	5	.1	30
AUG. 07...	--	--	--	--	40	--	--	--	--	--	--
SEP. 17...	.30	.00	.00	--	--	--	--	--	--	--	--
19...	--	--	--	--	60	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA RIVER BASIN, LA.--Continued

294455091130000 - ATCHAFALAYA RIVER BASIN FLAT LAKE EC 4 (LAT 29°44'55" LONG 91°13'00")

WATER QUALITY DATA: WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	TIME	DEPTH (FT)	BICARB- MONATE (HCO ₃) (MG/L)	CARB- MONATE (CO ₃) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)
MAY										
16...	1320	.5	118	0	.85	.03	.38	.18	--	349
16...	1330	4.0	119	0	.86	.03	.55	.25	--	349
16...	1605	.5	119	0	.85	.03	.42	.19	--	355
16...	1615	4.0	121	0	.83	.03	.52	.21	--	350
16...	1820	.5	120	0	.88	.03	.35	.18	--	355
16...	1825	4.0	119	0	.88	.03	.42	.20	--	351
16...	2155	.5	118	0	.82	.03	.23	.16	--	346
16...	2200	4.0	119	0	.85	.04	.28	.18	--	346
17...	0030	.5	120	0	.85	.03	.28	.19	--	347
17...	0040	4.0	118	0	.85	.03	.34	.20	--	347
17...	0405	.5	118	0	.89	.03	.28	.18	--	349
17...	0410	4.0	119	0	.91	.04	.32	.26	--	349
17...	0735	.5	118	0	.88	.02	.27	.16	--	348
17...	0740	4.0	119	0	.87	.03	.31	.18	--	352
17...	1040	.5	118	0	.88	.03	.31	.18	--	355
17...	1045	4.0	116	0	.88	.03	.50	.19	--	357
AUG.										
13...	1130	.5	133	0	.00	.01	.60	.05	.01	350
13...	1135	3.6	133	0	.10	.00	.44	.07	.02	350
13...	1345	.5	--	--	--	--	--	--	--	340
13...	1346	3.6	--	--	--	--	--	--	--	345
13...	1650	.5	135	0	.00	.01	.47	.07	.01	350
13...	1652	3.6	135	0	.13	.00	.57	.09	.01	350
13...	1945	.5	--	--	--	--	--	--	--	370
13...	1946	3.6	--	--	--	--	--	--	--	370
13...	2315	.5	138	0	.18	.00	.73	.07	.02	350
13...	2316	3.6	135	0	.17	.01	.52	.08	.02	350
14...	0730	.5	136	0	.00	.05	.48	.05	.01	350
14...	0731	3.6	135	0	.23	.00	.42	.08	.03	350
14...	1205	.5	--	--	--	--	--	--	--	360
14...	1206	3.6	--	--	--	--	--	--	--	350

DATE	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)	TRANS- PAR- SECCHI DISK (IN)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	CARBON DIOXIDE (CO ₂) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
MAY										
15...	7.4	24.5	110	0.0	6.7	79	7.5	5.0	9.4	5.9
15...	7.4	24.5	110	--	6.7	79	7.6	8.5	12	8.6
15...	7.7	25.5	110	0.5	7.0	84	3.8	--	--	7.3
15...	7.7	25.5	110	--	6.8	82	3.9	--	--	7.3
15...	7.7	24.5	110	5.0	6.8	80	3.8	3.4	2.6	6.9
15...	7.7	24.5	110	--	6.6	78	3.8	4.6	9.4	6.3
15...	7.4	24.0	--	--	6.2	73	7.5	--	--	6.7
15...	7.4	24.0	--	--	6.2	73	7.6	--	--	6.3
17...	7.4	24.0	--	--	6.2	73	7.6	--	--	6.3
17...	7.4	24.0	--	--	6.2	73	7.5	8.1	3.3	5.8
17...	7.5	24.0	--	--	6.1	72	6.0	--	--	5.4
17...	7.5	24.0	--	--	6.2	73	6.0	--	--	8.0
17...	7.5	24.0	--	--	6.2	73	6.0	3.7	9.2	6.2
17...	7.5	23.5	--	--	5.9	69	6.0	6.3	9.5	5.8
17...	7.6	24.5	--	--	6.2	73	4.7	8.7	2.7	6.8
17...	7.7	24.0	--	--	6.2	73	3.7	5.2	9.3	6.2
AUG.										
13...	7.6	28.5	15	19	8.0	102	5.3	--	--	20
13...	7.6	28.0	20	--	8.0	101	5.3	--	--	5.8
13...	7.8	28.5	--	--	9.3	118	--	--	--	--
13...	7.8	24.5	--	--	9.1	116	--	--	--	--
13...	7.9	27.0	20	13	10.0	128	2.7	--	--	4.9
13...	7.8	29.0	25	--	9.7	124	3.4	--	--	4.8
13...	7.9	28.5	--	--	9.4	120	--	--	--	--
13...	7.9	23.0	--	--	9.3	118	--	--	--	--
13...	7.8	27.0	20	--	7.7	95	5.5	--	--	5.8
13...	7.8	27.0	30	--	8.0	99	5.4	--	--	7.8
14...	7.6	25.0	25	--	6.8	83	5.5	--	--	16
14...	7.5	28.5	15	--	6.5	80	6.8	--	--	8.5
14...	7.9	28.5	--	--	9.6	122	--	--	--	--
14...	7.8	27.5	--	--	8.5	106	--	--	--	--

433

433

DATE	TIME	DEPTH (FT)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
294405091111500 - ATCHAFALAYA RIVER BASIN FLAT LAKE STA EC 1 (LAT 29 44 05 LONG 091 11 15)												
MAY • 1974												
16...	1045	.5	--	--	--	--	114	0	--	--	.37	.01
16...	1100	5.0	--	--	--	--	114	0	--	--	.37	.01
16...	1110	7.5	--	--	--	--	113	0	--	--	.37	.01
16...	1510	.5	--	--	--	--	112	0	--	--	.45	.01
16...	1520	5.0	--	--	--	--	114	0	--	--	.35	.01
16...	1530	7.5	--	--	--	--	114	0	--	--	.35	.01
16...	1730	.5	--	--	--	--	112	0	--	--	.37	.00
16...	1740	5.0	--	--	--	--	114	0	--	--	.40	.00
16...	1750	7.5	--	--	--	--	114	0	--	--	.39	.01
16...	2000	.5	--	--	--	--	115	0	--	--	.38	.01
16...	2010	5.0	--	--	--	--	115	0	--	--	.35	.01
16...	2015	7.5	--	--	--	--	115	0	--	--	.37	.01
16...	2345	.5	--	--	--	--	115	0	--	--	.35	.01
16...	2350	5.0	--	--	--	--	116	0	--	--	.37	.01
16...	2355	7.5	--	--	--	--	115	0	--	--	.36	.01
17...	0225	.5	--	--	--	--	114	0	--	--	.35	.00
17...	0230	5.0	--	--	--	--	115	0	--	--	.37	.01
17...	0235	7.5	--	--	--	--	115	0	--	--	.39	.01
17...	0550	.5	--	--	--	--	117	0	--	--	.35	.01
17...	0600	5.0	--	--	--	--	115	0	--	--	.34	.01
17...	0605	7.5	--	--	--	--	117	0	--	--	.34	.01
17...	0950	.5	--	--	--	--	112	0	--	--	.34	.01
17...	1005	5.0	--	--	--	--	112	0	--	--	.37	.01
17...	1010	7.5	--	--	--	--	111	0	--	--	.34	.01
AUG.												
13...	1000	.5	--	--	--	--	137	0	--	--	.41	.00
13...	1005	2.8	--	--	--	--	136	0	--	--	.38	.00
13...	1010	5.6	--	--	--	--	136	0	--	--	.37	.01
13...	1305	.5	--	--	--	--	--	--	--	--	--	--
13...	1306	2.8	--	--	--	--	--	--	--	--	--	--
13...	1307	5.6	--	--	--	--	--	--	--	--	--	--
13...	1600	.5	--	--	--	--	134	0	--	--	.35	.00
13...	1601	2.8	--	--	--	--	135	0	--	--	.35	.00
13...	1602	5.6	--	--	--	--	135	0	--	--	.37	.00
13...	1910	.5	--	--	--	--	--	--	--	--	--	--
13...	1911	2.8	--	--	--	--	--	--	--	--	--	--
13...	1912	5.6	--	--	--	--	--	--	--	--	--	--
13...	2215	.5	--	--	--	--	135	0	--	--	.00	.06
13...	2216	2.8	--	--	--	--	136	0	--	--	.14	.07
13...	2217	5.6	--	--	--	--	135	0	--	--	.00	.06
14...	0645	.5	--	--	--	--	138	0	--	--	.10	.03
14...	0646	2.8	--	--	--	--	138	0	--	--	.01	.03
14...	0647	5.6	--	--	--	--	136	0	--	--	.00	.04
14...	1230	.5	--	--	--	--	--	--	--	--	--	--
14...	1231	2.8	--	--	--	--	--	--	--	--	--	--
14...	1232	5.6	--	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA RIVER BASIN, LA.--Continued

DATE	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDED SOLIDS (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)
294405091111500 - ATCHAFALAYA RIVER BASIN FLAT LAKE STA EC 1 (LAT 29 44 05 LONG 091 11 15)											
MAY, 1974											
16...	.26	.08	--	--	--	--	--	281	7.3	25.0	20
16...	.17	.09	--	--	--	--	--	281	7.3	25.0	25
16...	.22	.08	--	--	--	--	--	289	7.3	24.5	35
16...	.31	.08	--	--	--	--	--	301	7.3	26.0	35
16...	.30	.21	--	--	--	--	--	290	7.2	26.0	35
16...	.74	.25	--	--	--	--	--	291	7.1	25.5	55
16...	.36	.08	--	--	--	--	--	302	7.2	26.5	25
16...	.38	.08	--	--	--	--	--	294	7.2	26.0	40
16...	.47	.16	--	--	--	--	--	293	7.2	26.0	35
16...	.31	.08	--	--	--	--	--	293	7.2	26.5	20
16...	.19	.08	--	--	--	--	--	290	7.2	26.5	35
16...	.34	.12	--	--	--	--	--	287	7.2	26.0	30
16...	.28	.09	--	--	--	--	--	290	7.2	26.0	--
16...	.25	.09	--	--	--	--	--	290	7.2	26.0	--
16...	.25	.09	--	--	--	--	--	291	7.2	25.5	--
17...	.31	.09	--	--	--	--	--	290	7.2	25.5	--
17...	.22	.09	--	--	--	--	--	290	7.2	25.5	--
17...	.23	.10	--	--	--	--	--	290	7.2	25.5	--
17...	.37	.09	--	--	--	--	--	282	7.2	25.0	--
17...	.28	.09	--	--	--	--	--	282	7.2	25.0	--
17...	.31	.09	--	--	--	--	--	282	7.2	25.0	--
17...	.06	.09	--	--	--	--	--	296	7.2	25.5	--
17...	.22	.09	--	--	--	--	--	295	7.2	25.0	--
17...	.33	.10	--	--	--	--	--	293	7.1	25.0	--
AUG.											
13...	.43	.08	.04	--	--	--	--	345	7.3	28.0	25
13...	.48	.08	.04	--	--	--	--	345	7.3	27.5	15
13...	.53	.09	.04	--	--	--	--	345	7.3	27.0	20
13...	--	--	--	--	--	--	--	345	7.4	28.0	--
13...	--	--	--	--	--	--	--	345	7.4	28.0	--
13...	--	--	--	--	--	--	--	345	7.4	28.0	--
13...	.48	.07	.03	--	--	--	--	340	7.5	28.5	20
13...	.46	.06	.03	--	--	--	--	340	7.4	28.5	20
13...	.48	.16	.04	--	--	--	--	340	7.4	28.5	25
13...	--	--	--	--	--	--	--	345	7.4	28.5	--
13...	--	--	--	--	--	--	--	345	7.4	28.5	--
13...	--	--	--	--	--	--	--	345	7.4	28.5	--
13...	.54	.05	.01	--	--	--	--	340	7.4	28.0	20
13...	.63	.09	.01	--	--	--	--	340	7.4	28.0	20
13...	.67	.06	.01	--	--	--	--	340	7.4	28.0	20
14...	.81	.09	.01	--	--	--	--	345	7.4	26.5	30
14...	.61	.09	.02	--	--	--	--	345	7.3	26.5	25
14...	.54	.07	.01	--	--	--	--	345	7.3	27.0	30
14...	--	--	--	--	--	--	--	380	7.9	30.0	--
14...	--	--	--	--	--	--	--	360	7.7	29.5	--
14...	--	--	--	--	--	--	--	350	7.4	28.5	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

435

ATCHAFALAYA RIVER BASIN, LA.--Continued

DATE	TRANS- PAR- ENCY SECCHI DISK (IN)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO ₂) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
294405091111500 - ATCHAFALAYA RIVER BASIN FLAT LAKE STA EC 1 (LAT 29 44 05 LONG 091 11 15)											
MAY • 1974											
16...	19	5.3	63	--	9.1	5.4	7.5	--	--	--	6.1
16...	--	5.3	63	--	9.1	3.7	10	--	--	--	5.5
16...	--	5.2	62	--	9.1	3.0	6.9	--	--	--	6.4
16...	16	5.6	68	--	9.0	--	--	--	--	--	4.6
16...	--	5.2	63	--	12	--	--	--	--	--	4.0
16...	--	5.1	61	--	14	--	--	--	--	--	6.5
16...	14	5.7	70	--	11	1.8	5.6	--	--	--	5.0
16...	--	5.8	71	--	12	3.4	13	--	--	--	4.7
16...	--	5.4	66	--	12	8.2	12	--	--	--	4.3
16...	13	5.6	69	--	12	--	--	--	--	--	5.6
16...	--	5.4	66	--	12	--	--	--	--	--	5.9
16...	--	5.5	68	--	12	--	--	--	--	--	5.1
16...	--	5.3	65	--	12	3.6	5.9	--	--	--	4.3
16...	--	5.2	63	--	12	2.6	8.3	--	--	--	4.9
16...	--	5.1	61	--	12	3.6	9.7	--	--	--	4.7
17...	--	4.9	59	--	12	--	--	--	--	--	--
17...	--	4.9	59	--	12	--	--	--	--	--	7.3
17...	--	4.9	59	--	12	--	--	--	--	--	5.6
17...	--	5.0	59	--	12	1.7	5.4	--	--	--	--
17...	--	4.8	57	--	12	--	--	--	--	--	5.4
17...	--	4.6	55	--	12	--	--	--	--	--	4.0
17...	--	5.0	60	--	11	5.7	14	--	--	--	4.1
17...	--	4.8	57	--	11	2.4	6.3	--	--	--	4.9
17...	--	4.6	55	--	14	2.3	16	--	--	--	5.8
AUG.											
13...	17	5.5	70	--	11	--	--	--	--	--	10
13...	--	5.5	69	--	11	--	--	--	--	--	6.4
13...	--	5.5	68	--	11	--	--	--	--	--	7.5
13...	--	7.1	90	--	--	--	--	--	--	--	--
13...	--	6.9	87	--	--	--	--	--	--	--	--
13...	--	6.4	81	--	--	--	--	--	--	--	--
13...	15	7.4	94	--	6.8	--	--	--	--	--	5.4
13...	--	6.6	84	--	8.6	--	--	--	--	--	7.8
13...	--	6.6	84	--	8.6	--	--	--	--	--	8.5
13...	--	6.6	84	--	--	--	--	--	--	--	--
13...	--	6.0	76	--	--	--	--	--	--	--	--
13...	--	5.5	70	--	--	--	--	--	--	--	--
13...	--	6.4	81	--	8.6	--	--	--	--	--	8.6
13...	--	6.2	78	--	8.7	--	--	--	--	--	7.1
13...	--	6.1	77	--	8.6	--	--	--	--	--	7.9
14...	--	5.4	66	--	8.8	--	--	--	--	--	7.3
14...	--	5.1	63	--	11	--	--	--	--	--	17
14...	--	4.9	60	--	11	--	--	--	--	--	8.1
14...	--	8.7	114	--	--	--	--	--	--	--	--
14...	--	8.1	105	--	--	--	--	--	--	--	--
14...	--	6.0	76	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA RIVER BASIN, LA.--Continued

DATE	TIME	DEPTH (FT)	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HC03) (MG/L)	CAR- BONATE (C03) (MG/L)	DIS- SOLVED SULFATE (S04) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
294353091114000 - ATCHAFALAYA RIVER BASIN FLAT LAKE (LAT 29 43 53 LONG 091 11 40)												
SEP., 1973												
28...	1630	--	9.2	20	34	9.3	125	0	31	26	.23	.01
OCT.												
18...	1515	--	8.0	10	40	12	142	0	51	36	.59	.01
NOV.												
15...	1650	--	7.5	20	34	8.5	121	0	38	30	.36	.00
DEC.												
13...	1200	--	7.0	30	36	8.3	121	0	40	58	.05	.00
JAN., 1974												
14...	1800	--	6.1	20	29	6.2	93	0	31	27	.25	.00
FEB.												
12...	1835	--	3.9	10	25	7.4	76	0	23	11	.36	.00
MAR.												
12...	1115	--	7.1	80	25	9.8	92	0	26	15	.15	.00
APR.												
09...	1755	--	7.4	60	31	9.4	98	0	30	18	.11	.00
MAY												
07...	1100	--	5.6	30	36	6.6	107	0	34	15	.29	.00
16...	1155	.5	--	--	--	--	112	0	--	--	.01	.00
16...	1215	4.6	--	--	--	--	113	0	--	--	.00	.00
16...	1230	9.2	--	--	--	--	114	0	--	--	.00	.00
16...	1535	.5	--	--	--	--	113	0	--	--	.01	.00
16...	1545	4.6	--	--	--	--	115	0	--	--	.02	.00
16...	1555	9.2	--	--	--	--	113	0	--	--	.01	.00
16...	1755	.5	--	--	--	--	115	0	--	--	.00	.00
16...	1800	4.6	--	--	--	--	114	0	--	--	.00	.00
16...	1815	9.0	--	--	--	--	114	0	--	--	.02	.00
16...	2100	.5	--	--	--	--	114	0	--	--	.03	.00
16...	2105	4.6	--	--	--	--	113	0	--	--	.02	.00
16...	2110	9.2	--	--	--	--	115	0	--	--	.01	.00
17...	0005	.5	--	--	--	--	115	0	--	--	.00	.00
17...	0008	4.6	--	--	--	--	115	0	--	--	.02	.00
17...	0015	9.2	--	--	--	--	114	0	--	--	.02	.00
17...	0320	.5	--	--	--	--	114	0	--	--	.01	.00
17...	0325	4.6	--	--	--	--	114	0	--	--	.01	.00
17...	0330	9.2	--	--	--	--	112	0	--	--	.03	.00
17...	0650	.5	--	--	--	--	112	0	--	--	.00	.00
17...	0655	4.6	--	--	--	--	114	0	--	--	.02	.00
17...	0700	9.2	--	--	--	--	115	0	--	--	.01	.01
17...	1015	.5	--	--	--	--	111	0	--	--	.02	.00
17...	1020	4.6	--	--	--	--	110	0	--	--	.00	.00
17...	1030	9.2	--	--	--	--	112	0	--	--	.01	.00
JUNE												
11...	1750	--	7.2	0	38	13	114	0	35	20	.34	.00
JULY												
09...	0950	--	5.5	20	34	11	103	0	25	11	.05	.00
AUG.												
07...	1340	--	7.8	10	31	9.7	122	0	22	18	.13	.01
13...	1100	.5	--	--	--	--	132	0	--	--	.11	.00
13...	1105	4.2	--	--	--	--	133	0	--	--	.19	.00
13...	1110	8.5	--	--	--	--	132	0	--	--	.23	.00
13...	1330	.5	--	--	--	--	--	--	--	--	--	--
13...	1331	4.2	--	--	--	--	--	--	--	--	--	--
13...	1332	8.5	--	--	--	--	--	--	--	--	--	--
13...	1630	.5	--	--	--	--	133	0	--	--	.00	.01
13...	1631	4.2	--	--	--	--	135	0	--	--	.18	.00
13...	1632	8.5	--	--	--	--	134	0	--	--	.21	.00
13...	1935	.5	--	--	--	--	--	--	--	--	--	--
13...	1936	4.2	--	--	--	--	--	--	--	--	--	--
13...	1937	8.5	--	--	--	--	--	--	--	--	--	--
13...	2245	.5	--	--	--	--	135	0	--	--	.00	.01
13...	2246	4.2	--	--	--	--	135	0	--	--	.00	.00
13...	2247	8.5	--	--	--	--	135	0	--	--	.00	.01
14...	0715	.5	--	--	--	--	146	0	--	--	.30	.16
14...	0716	4.2	--	--	--	--	146	0	--	--	.31	.10
14...	0717	8.5	--	--	--	--	146	0	--	--	.29	.12
14...	1210	.5	--	--	--	--	--	--	--	--	--	--
14...	1211	4.2	--	--	--	--	--	--	--	--	--	--
14...	1212	8.5	--	--	--	--	--	--	--	--	--	--
SEP.												
17...	0935	--	--	--	--	--	--	--	--	--	.41	.00
19...	1420	--	5.9	50	30	11	117	0	37	39	.38	.01

ATCHAFALAYA RIVER BASIN, LA.--Continued

DATE	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORTHO PHOS- PHORUS (P) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	SUS- PENDED SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	TUR- BID- ITY (MG/L)
294353091114000 - ATCHAFALAYA RIVER BASIN FLAT LAKE (LAT 29 43 53 LONG 091 11 40)											
SEP. 1973											
28...	.04	.11	.10	205	--	120	20	342	7.9	28.5	20
OCT.											
18...	.23	.18	.06	264	37	150	33	438	8.1	23.0	30
NOV.											
15...	.22	.14	.07	209	60	120	21	347	8.1	18.5	60
DEC.											
13...	.40	.08	.08	250	25	120	25	449	7.9	13.5	35
JAN. 1974											
14...	.29	.14	.05	176	29	98	22	292	7.9	15.0	20
FEB.											
12...	.05	.10	.06	140	37	93	31	215	7.0	13.5	70
MAR.											
12...	.29	.14	.04	154	33	100	28	246	7.6	19.0	40
APR.											
09...	.00	.11	.04	172	15	120	36	288	7.2	20.5	20
MAY											
07...	.11	.12	.04	138	51	120	29	288	7.4	23.0	35
16...	.19	.04	--	--	--	--	--	270	6.9	25.0	5
16...	.21	.04	--	--	--	--	--	269	7.0	25.0	5
16...	.20	.05	--	--	--	--	--	269	6.9	25.0	10
16...	.21	.19	--	--	--	--	--	269	7.1	26.0	5
16...	.28	.05	--	--	--	--	--	272	7.0	25.5	5
16...	.31	.08	--	--	--	--	--	268	7.0	25.5	15
16...	.22	.04	--	--	--	--	--	271	7.0	26.0	10
16...	.30	.04	--	--	--	--	--	269	6.9	26.0	10
16...	.25	.05	--	--	--	--	--	270	6.9	26.0	10
16...	.23	.04	--	--	--	--	--	269	6.9	26.0	--
16...	.27	.05	--	--	--	--	--	269	6.9	26.0	--
16...	.37	.07	--	--	--	--	--	273	6.9	27.0	--
17...	.20	.05	--	--	--	--	--	269	6.8	25.5	--
17...	.22	.05	--	--	--	--	--	269	6.8	25.5	--
17...	.26	.06	--	--	--	--	--	269	6.8	25.5	--
17...	.20	.04	--	--	--	--	--	268	6.9	25.5	--
17...	.22	.04	--	--	--	--	--	268	6.9	25.5	--
17...	.23	.05	--	--	--	--	--	268	6.9	25.5	--
17...	.26	.05	--	--	--	--	--	270	6.9	25.0	--
17...	.28	.05	--	--	--	--	--	270	6.9	25.0	--
17...	.60	.30	--	--	--	--	--	270	6.9	25.0	--
17...	.20	.05	--	--	--	--	--	271	7.0	25.0	--
17...	.20	.05	--	--	--	--	--	271	7.0	25.0	--
17...	.12	.05	--	--	--	--	--	268	7.0	25.0	--
JUNE											
11...	.00	.08	.04	188	22	150	57	326	7.5	28.5	38
JULY											
09...	.00	.04	.02	86	84	130	47	273	7.7	26.0	10
AUG.											
07...	.48	.07	.03	166	94	120	20	301	7.8	30.0	15
13...	.45	.07	.02	--	--	--	--	345	7.8	28.0	15
13...	.52	.08	.02	--	--	--	--	345	7.6	27.5	15
13...	.40	.06	.03	--	--	--	--	345	7.6	27.5	20
13...	--	--	--	--	--	--	--	335	7.8	28.5	--
13...	--	--	--	--	--	--	--	335	7.7	28.5	--
13...	--	--	--	--	--	--	--	335	7.7	28.0	--
13...	.55	.05	.01	--	--	--	--	340	7.6	28.0	20
13...	.37	.06	.02	--	--	--	--	338	7.6	28.0	20
13...	.46	.07	.02	--	--	--	--	338	7.6	28.0	20
13...	--	--	--	--	--	--	--	350	7.6	28.0	--
13...	--	--	--	--	--	--	--	350	7.6	28.0	--
13...	--	--	--	--	--	--	--	345	7.6	28.0	--
13...	.44	.06	.01	--	--	--	--	340	7.7	28.0	20
13...	.59	.05	.01	--	--	--	--	340	7.7	28.0	20
13...	.78	.14	.01	--	--	--	--	340	7.7	28.0	25
14...	.80	.09	.01	--	--	--	--	390	7.7	27.5	30
14...	.61	.09	.02	--	--	--	--	390	7.6	27.5	30
14...	.70	.08	.01	--	--	--	--	392	7.6	27.5	25
14...	--	--	--	--	--	--	--	400	7.9	28.5	--
14...	--	--	--	--	--	--	--	400	7.7	27.5	--
14...	--	--	--	--	--	--	--	400	7.6	27.5	--
SEP.											
17...	.72	--	--	--	--	--	--	389	6.9	27.0	--
19...	.61	.20	.11	237	29	120	24	370	7.5	27.5	40

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA RIVER BASIN, LA.--Continued

DATE	TRANS- PAR- ENCY SECCHI DISK (IN)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
294353091114000 - ATCHAFALAYA RIVER BASIN FLAT LAKE (LAT 29 43 53 LONG 091 11 40)											
SEP., 1973											
28...	21	6.0	76	--	2.5	--	--	--	--	--	23
OCT.											
18...	12	8.3	95	1.2	1.8	--	--	1000	30	8	4.5
NOV.											
15...	--	5.9	63	--	1.5	1.2	1.3	--	--	--	9.5
DEC.											
13...	--	6.4	61	--	2.4	--	--	1300	20	150	5.5
JAN., 1974											
14...	20	6.1	60	--	1.9	4.1	5.0	--	--	--	8.0
FEB.											
12...	13	6.4	61	--	12	2.2	2.2	--	--	--	6.0
MAR.											
12...	17	7.0	75	.9	3.7	4.7	6.7	1200	12	16	3.5
APR.											
09...	--	4.9	54	--	9.9	1.5	5.1	--	--	--	5.0
MAY											
07...	17	4.7	54	1.7	6.8	.9	1.2	2400	2	92	3.4
16...	46	3.9	46	--	23	4.7	11	--	--	--	4.9
16...	--	3.9	46	--	18	--	--	--	--	--	4.6
16...	--	3.9	46	--	23	3.2	7.4	--	--	--	5.2
16...	51	4.8	59	--	14	--	--	--	15	54	5.2
16...	--	4.7	57	--	18	--	--	--	5	48	4.8
16...	--	4.7	57	--	18	--	--	--	12	72	5.1
16...	45	4.4	54	--	18	3.3	4.3	--	--	--	4.5
16...	--	4.4	54	--	23	2.4	8.7	--	--	--	4.3
16...	--	4.4	54	--	23	--	--	--	--	--	4.8
16...	--	4.9	60	--	23	--	--	--	5	40	4.2
16...	--	4.7	57	--	23	--	--	--	18	36	4.7
16...	--	4.4	54	--	23	--	--	--	28	56	7.0
17...	--	3.7	45	--	29	1.9	4.2	--	--	--	4.6
17...	--	3.7	45	--	29	4.5	5.9	--	--	--	4.2
17...	--	3.6	43	--	29	3.1	1.7	--	--	--	4.2
17...	--	3.8	46	--	23	--	--	--	--	--	5.4
17...	--	3.9	46	--	23	--	--	--	--	--	3.7
17...	--	3.6	43	--	23	--	--	--	--	--	5.8
17...	--	3.6	43	--	23	1.7	3.8	--	--	--	4.6
17...	--	3.4	40	--	23	3.8	6.4	--	--	--	4.3
17...	--	3.3	39	--	23	6.9	11	--	--	--	8.4
17...	--	3.5	42	--	18	.8	9.3	--	--	--	4.0
17...	--	3.6	43	--	18	3.3	8.3	--	--	--	4.0
17...	--	3.7	44	--	18	4.2	14	--	--	--	3.9
JUNE											
11...	15	2.6	33	--	5.8	7.8	12	--	--	--	4.0
JULY											
09...	98	2.0	24	.5	3.3	9.8	20	380	20	50	6.7
AUG.											
07...	23	5.6	74	--	3.1	--	--	--	--	--	7.2
13...	23	8.6	109	--	3.3	--	--	--	--	--	6.3
13...	--	6.6	82	--	5.3	--	--	--	--	--	5.6
13...	--	6.6	82	--	5.3	--	--	--	--	--	6.0
13...	--	8.5	108	--	--	--	--	--	--	--	--
13...	--	8.0	102	--	--	--	--	--	--	--	--
13...	--	7.9	100	--	--	--	--	--	--	--	--
13...	19	7.8	99	--	5.3	--	--	--	--	--	6.6
13...	--	7.5	95	--	5.4	--	--	--	--	--	6.3
13...	--	7.4	94	--	5.4	--	--	--	--	--	7.5
13...	--	8.2	104	--	--	--	--	--	--	--	--
13...	--	8.0	101	--	--	--	--	--	--	--	--
13...	--	7.9	100	--	--	--	--	--	--	--	--
13...	--	9.0	114	--	4.3	--	--	--	--	--	6.2
13...	--	8.8	111	--	4.3	--	--	--	--	--	10
13...	--	8.7	110	--	4.3	--	--	--	--	--	8.9
14...	--	6.8	85	--	4.7	--	--	--	--	--	7.5
14...	--	6.6	82	--	5.9	--	--	--	--	--	8.1
14...	--	6.4	80	--	5.9	--	--	--	--	--	15
14...	--	7.7	98	--	--	--	--	--	--	--	--
14...	--	6.4	92	--	--	--	--	--	--	--	--
14...	--	6.2	79	--	--	--	--	--	--	--	--
SEP.											
17...	--	4.4	54	2.3	--	--	--	--	--	--	7.7
19...	--	6.1	76	--	5.9	.0	.0	--	--	--	7.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

439

ATCHAFALAYA RIVER BASIN, LA.--Continued

DATE	ALDRIN (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- AZINON (UG/L)	DI- ELDRIN (UG/L)	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)
294353091114000 - ATCHAFALAYA RIVER BASIN FLAT LAKE (LAT 29 43 53 LONG 091 11 40)											
OCT. 18...	.00	.0	.00	.00	.00	.00	.01	.00	.00	.00	.00
MAR. 12...	.00	.0	.00	.00	.00	.00	.00	.00	.00	.00	.00
JULY 09...	.00	.0	.00	.00	.00	--	.00	.00	.00	.00	.00

DATE	METHYL PARA- THION (UG/L)	PARA- THION (UG/L)	PCB (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BORON (B) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)
------	------------------------------------	--------------------------	---------------	-------------------	------------------	---	---------------------------------	--	---	--	--

294353091114000 - ATCHAFALAYA RIVER BASIN FLAT LAKE (LAT 29 43 53 LONG 091 11 40)

SEP., 1973											
28...	--	--	--	--	--	--	50	--	--	--	--
OCT. 18...	.00	.00	.0	.00	.01	1	120	1	0	5	4
NOV. 15...	--	--	--	--	--	--	--	--	--	--	--
DEC. 13...	--	--	--	--	--	--	240	--	--	--	--
JAN., 1974											
14...	--	--	--	--	--	--	40	--	--	--	--
FEB. 12...	--	--	--	--	--	--	50	--	--	--	--
MAR. 12...	.00	.00	.0	.00	.00	--	10	--	--	--	--
APR. 09...	--	--	--	--	--	--	20	--	--	--	--
MAY 07...	--	--	--	--	--	--	30	--	--	--	--
JUNE 11...	--	--	--	--	--	--	20	--	--	--	--
JULY 09...	--	--	.0	.00	.00	1	60	0	--	3	2
AUG. 07...	--	--	--	--	--	--	30	--	--	--	--
SEP. 17...	--	--	--	.01	.00	--	--	--	--	--	--
19...	--	--	--	--	--	--	50	--	--	--	--

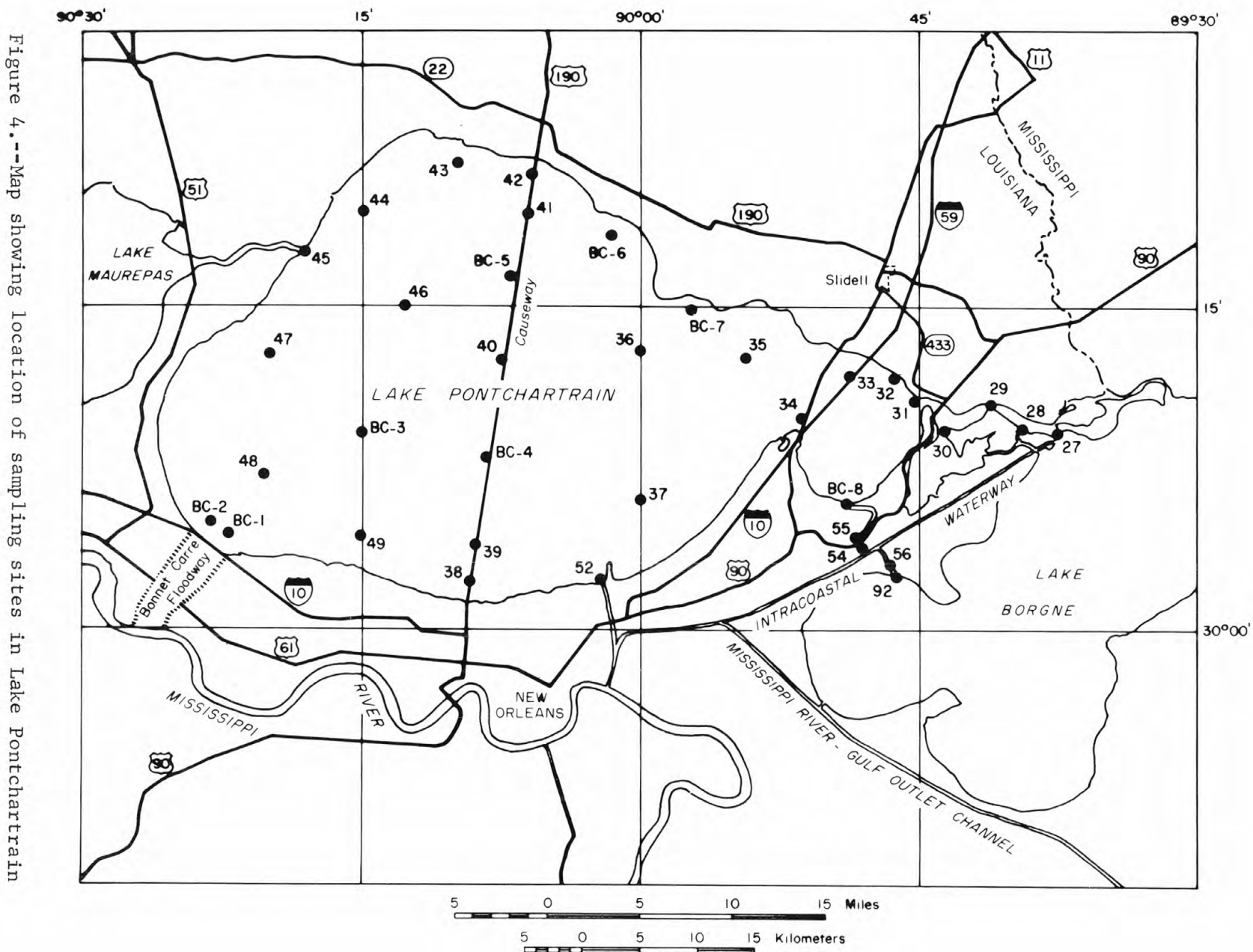


Figure 4.--Map showing location of sampling sites in Lake Pontchartrain

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

441

LAKE PONTCHARTRAIN, LA.

In April 1973, the Bonnet Carre Floodway gates were opened, releasing water from the Mississippi River into Lake Pontchartrain. On Oct. 30 and Nov. 1, 1973, a series of water samples and bed-material samples were collected in the Lake Pontchartrain area for determination of inorganic constituents in the water and minor-element concentrations in sediment deposits resulting from the intrusion of Mississippi River water. Results of these analyses are presented below. Locations of the sampling sites are shown on the map on page 440.

Sampling site	Date of collection	Total iron (Fe) (ug/l)	Dis-solved calcium (Ca) (mg/l)	Dis-solved magnesium (Mg) (mg/l)	Bicar-bonate (HCO ₃) (mg/l)	Carbon-ate (CO ₃) (mg/l)	Dis-solved sulfate (SO ₄) (mg/l)	Dis-solved chloride (Cl) (mg/l)	Dis-solved nitrate as N (mg/l)	Dis-solved nitrite as N (mg/l)	Phos-phorus, dissolved ortho-phosphate as P (mg/l)
BC-1.....	Nov. 1	880	35	64	71	0	150	900	.03	.00	.07
BC-2.....	Nov. 1	670	34	57	74	0	130	800	.07	.00	.09
BC-3.....	Nov. 1	480	46	96	76	0	210	1,400	.01	.00	.04
BC-4.....	Nov. 1	340	56	130	86	0	260	1,200	.01	.00	.05
BC-5.....	Nov. 1	230	45	110	61	0	240	1,700	.01	.00	.03
BC-6.....	Oct. 30	110	46	110	59	0	240	1,800	.01	.00	.04
BC-7.....	Oct. 30	70	53	130	61	0	270	2,000	.01	.00	.04
BC-8.....	Oct. 30	140	69	160	78	0	340	2,500	.02	.01	.06
27.....	Oct. 30	650	68	180	74	0	360	2,600	.03	.01	.05
28.....	Oct. 30	320	69	180	73	0	360	2,600	.02	.01	.05
29.....	Oct. 30	150	70	170	73	0	360	2,600	.02	.01	.05
30.....	Oct. 30	290	70	170	74	0	360	2,700	.02	.01	.05
31.....	Oct. 30	210	71	180	71	0	370	2,700	.00	.01	.05
32.....	Oct. 30	120	70	180	70	0	370	2,700	.01	.01	.05
33.....	Oct. 30	90	68	180	68	0	360	2,700	.01	.01	.04
34.....	Oct. 30	100	67	160	75	0	330	2,400	.01	.00	.05
35.....	Oct. 30	140	57	140	62	0	300	2,100	.01	.00	.04
36.....	Oct. 30	110	63	150	72	0	310	2,200	.01	.00	.04
37.....	Oct. 30	90	67	160	82	0	330	2,400	.00	.01	.05
38.....	Nov. 1	670	48	99	78	0	210	1,400	.08	.00	.13
39.....	Nov. 1	390	57	130	81	0	260	1,800	.02	.00	.07
40.....	Nov. 1	280	55	130	67	0	260	1,900	.01	.00	.04
41.....	Nov. 1	690	34	76	49	0	160	1,100	.01	.00	.03
42.....	Nov. 1	290	39	89	52	0	190	1,300	.03	.00	.04
43.....	Nov. 1	300	26	59	42	0	120	850	.02	.00	.05
44.....	Nov. 1	950	9.0	16	25	0	38	220	.07	.00	.06
45.....	Nov. 1	540	25	52	46	0	130	720	.01	.01	.04
46.....	Nov. 1	330	33	69	54	0	150	990	.00	.01	.04
47.....	Nov. 1	500	29	61	54	0	130	850	.02	.00	.04
48.....	Nov. 1	1,200	44	85	80	0	180	1,200	.01	.00	.06
49.....	Nov. 1	880	41	77	78	0	170	1,100	.03	.00	.08
52.....	Oct. 30	80	64	150	84	0	300	2,200	.00	.00	.06
54.....	Oct. 30	200	75	180	80	0	370	2,700	.02	.03	.06
55.....	Oct. 30	210	74	180	80	0	380	2,600	.02	.02	.06
56.....	Oct. 30	210	77	190	82	0	380	2,800	.03	.03	.06
92.....	Oct. 30	170	75	190	83	0	380	2,900	.02	.04	.03

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE PONTCHARTRAIN, LA.--Continued

Sampling site	Date of collection	Suspended solids at 110°C (mg/l)	Hardness (Ca, Mg) (mg/l)	Specific conductance (micromhos at 25°C)	pH (units)	Water temperature (°C)	Color (platinum cobalt scale) (units)	Turbidity (JTU)	Dissolved oxygen (DO) (mg/l)	Biochemical demand (BOD) (mg/l)
BC-1.....	Nov. 1	51	350	3,440	7.6	19.0	20	10	9.3	2.3
BC-2.....	Nov. 1	133	320	3,080	7.7	19.0	20	10	9.3	2.2
BC-3.....	Nov. 1	33	510	4,990	7.8	19.5	10	9	9.1	1.4
BC-4.....	Nov. 1	26	680	6,640	7.7	20.0	9	7	9.3	1.3
BC-5.....	Nov. 1	17	570	5,590	7.9	20.0	20	4	9.4	1.1
BC-6.....	Oct. 30	5	570	6,120	8.1	21.0	20	4	9.2	2.1
BC-7.....	Oct. 30	4	670	6,800	8.0	20.5	20	1	8.8	2.0
BC-8.....	Oct. 30	6	830	8,610	7.5	20.5	8	3	8.6	1.8
27.....	Oct. 30	28	910	9,110	7.7	20.5	10	10	8.3	1.2
28.....	Oct. 30	17	910	9,160	7.6	20.5	9	4	8.1	1.1
29.....	Oct. 30	6	870	9,060	7.9	21.0	8	1	8.2	1.2
30.....	Oct. 30	17	870	9,080	8.0	21.5	9	4	8.4	1.5
31.....	Oct. 30	9	920	9,190	7.8	20.5	10	2	8.8	1.3
32.....	Oct. 30	5	920	9,060	8.0	20.5	20	1	8.9	2.0
33.....	Oct. 30	6	910	9,170	8.0	20.0	10	2	8.6	2.0
34.....	Oct. 30	7	830	8,500	7.7	20.0	9	4	8.3	1.5
35.....	Oct. 30	9	720	7,380	7.9	20.5	9	1	8.7	1.9
36.....	Oct. 30	5	780	7,940	8.1	21.0	8	2	9.1	1.7
37.....	Oct. 30	5	830	8,240	8.2	21.0	8	2	8.9	3.3
38.....	Nov. 1	41	530	5,290	7.5	19.5	8	9	9.3	1.4
39.....	Nov. 1	22	680	6,480	7.7	19.5	9	5	8.9	1.5
40.....	Nov. 1	21	670	6,620	7.8	20.0	9	7	9.3	1.0
41.....	Nov. 1	12	400	4,070	7.8	20.0	30	6	8.8	1.0
42.....	Nov. 1	16	460	4,780	7.4	20.0	20	6	8.6	2.0
43.....	Nov. 1	21	310	2,920	7.8	19.5	30	5	8.2	1.6
44.....	Nov. 1	43	88	928	7.2	19.0	40	20	8.3	1.3
45.....	Nov. 1	27	280	2,750	7.8	20.0	30	7	7.2	1.3
46.....	Nov. 1	21	270	3,360	7.9	20.0	20	6	9.3	1.1
47.....	Nov. 1	27	320	3,210	7.7	20.0	20	6	9.2	--
48.....	Nov. 1	77	460	4,430	7.7	19.0	20	30	9.4	1.8
49.....	Nov. 1	56	420	4,020	7.8	19.0	9	20	9.1	1.5
52.....	Oct. 30	8	780	7,970	7.9	21.0	8	1	9.2	2.1
54.....	Oct. 30	14	930	9,290	7.4	21.0	9	3	8.1	1.0
55.....	Oct. 30	10	930	9,140	7.6	21.0	10	1	8.2	1.0
56.....	Oct. 30	12	970	9,520	7.5	20.5	9	2	8.0	2.4
92.....	Oct. 30	11	970	9,690	7.5	20.5	9	0	8.0	2.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

443

LAKE PONTCHARTRAIN, LA.--Continued

Immediate coliform (col. per 100 ml)	Fecal coliform (col. per 100 ml)	Strepto- cocci (col. per 100 ml)	Cyanide (Cn) (mg/l)	Total phenolic material (C ₆ H ₅ OH) (ug/l)	Total arsenic (As) (ug/l)	Total cadmium (Cd) (ug/l)	Total chromium (Cr) (ug/l)	Total copper (Cu) (ug/l)	Total lead (Pb) (ug/l)	Total mercury (Hg) (ug/l)	Total zinc (Zn) (ug/l)
750	0	0	.01	2	9	10	0	10	300	.0	1,100
210	12	1	.01	6	2	10	0	10	<100	.0	30
10	0	0	.00	3	2	10	0	10	<100	.0	30
28	0	0	.01	4	0	20	10	20	<100	.1	40
0	0	0	.00	1	1	10	0	10	<100	.1	40
10	0	1	--	--	0	10	0	10	<100	.0	30
0	0	0	--	--	2	<10	0	20	<100	.0	20
60	0	0	--	--	4	10	0	20	100	.0	130
50	0	0	.01	2	10	10	10	<10	<100	.0	20
50	0	0	--	--	0	20	0	10	100	.0	30
20	0	0	--	--	0	10	0	10	100	.0	20
10	0	2	--	--	0	10	0	20	200	.0	580
0	0	0	--	--	2	20	0	20	100	.0	40
0	0	0	--	--	1	10	0	20	200	.0	60
20	0	0	.00	1	1	10	10	10	300	.0	770
0	0	0	.00	1	2	10	0	10	<100	.0	40
0	0	0	.02	0	3	10	0	10	200	.0	460
0	0	0	.01	1	1	<10	0	10	<100	.0	20
40	0	1	.01	2	0	30	0	10	<100	.0	20
160	2	0	.00	3	1	10	0	10	<100	.0	30
20	0	3	--	6	2	20	0	10	<100	.2	50
4	2	0	--	--	0	10	0	20	100	.2	30
500	0	0	--	--	0	10	0	10	100	.0	10
40	0	0	--	--	0	20	0	20	100	.0	50
20	0	0	--	--	0	<10	0	10	100	.1	40
1,000	130	30	--	--	4	<10	0	10	<100	.0	20
16	2	0	--	--	2	<10	0	20	100	.0	20
90	0	0	--	--	2	<10	0	10	200	.0	50
--	0	2	.00	0	0	10	0	10	<100	.0	50
10	2	0	.00	4	0	20	0	10	<100	.1	30
--	0	1	.00	1	4	10	0	10	<100	.0	40
650	18	0	.00	1	0	30	0	10	<100	.0	50
100	0	1	--	--	2	20	0	20	500	.0	1,400
150	0	1	--	--	2	10	0	<10	<100	.1	30
100	0	1	--	--	4	10	0	10	200	.0	30
170	0	0	.01	0	0	20	0	10	<100	.0	20

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE PONTCHARTRAIN, LA.--Continued

Sampling site	Date of collection	Total nitrogen (N) as N in bottom deposits (Mg/Kg)	Total phosphorus (P) as P in bottom deposits (Mg/Kg)	Total arsenic (As) in bottom deposits (ug/g)	Total cadmium (Cd) in bottom deposits (ug/g)	Total chromium (Cr) in bottom deposits (ug/g)	Total copper (Cu) in bottom deposits (ug/g)	Total lead (Pb) in bottom deposits (ug/g)	Total mercury (Hg) in bottom deposits (ug/g)	Total zinc (Zn) in bottom deposits (ug/g)
BC-1....	Nov. 1	--	170	3	0	5	5	10	.03	34
BC-2....	Nov. 1	--	370	4	0	11	12	10	.07	48
BC-3....	Nov. 1	--	91	7	2	12	11	10	.06	61
BC-4....	Nov. 1	--	110	4	0	15	14	30	.06	82
BC-5....	Nov. 1	--	86	2	1	10	10	40	.04	53
BC-6....	Oct. 30	690	--	0	1	5	6	10	.02	25
BC-7....	Oct. 30	600	51	0	1	5	4	<10	.02	21
BC-8....	Oct. 30	770	31	0	0	0	0	<10	.00	4.0
27.....	Oct. 30	--	50	2	0	0	1	10	.01	10
28.....	Oct. 30	--	38	0	--	--	--	--	--	--
29.....	Oct. 30	--	45	0	--	--	--	--	--	--
30.....	Oct. 30	--	38	0	0	1	1	<10	.01	7.0
31.....	Oct. 30	--	13	0	0	0	1	<10	.00	4.0
32.....	Oct. 30	240	47	0	0	0	2	<10	.01	10
33.....	Oct. 30	--	160	4	0	6	7	20	.03	38
34.....	Oct. 30	--	210	3	0	8	7	30	.03	53
35.....	Oct. 30	--	150	3	0	6	6	10	.03	32
36.....	Oct. 30	--	160	7	0	10	15	20	.05	65
37.....	Oct. 30	--	160	0	2	12	13	30	.10	74
38.....	Nov. 1	--	180	4	1	10	12	40	.10	75
39.....	Nov. 1	--	100	4	1	16	15	40	.05	86
40.....	Nov. 1	--	67	2	0	18	16	30	.06	80
41.....	Nov. 1	--	100	0	1	8	8	30	.03	59
42.....	Nov. 1	--	66	5	0	9	8	30	.04	51
43.....	Nov. 1	--	70	0	--	--	--	--	--	--
44.....	Nov. 1	980	110	2	0	6	4	10	.05	25
45.....	Nov. 1	--	340	6	0	9	9	20	.04	48
46.....	Nov. 1	330	130	6	0	12	14	20	.07	66
47.....	Nov. 1	--	260	5	1	7	10	<10	.05	52
48.....	Nov. 1	--	120	0	1	6	5	10	.03	30
49.....	Nov. 1	--	150	4	0	11	10	20	.06	67
52.....	Oct. 30	--	220	1	0	2	3	10	.04	32
54.....	Oct. 30	90	35	0	1	0	0	<10	.00	7.0
55.....	Oct. 30	300	170	0	1	8	10	10	.02	38
56.....	Oct. 30	370	150	0	0	5	3	<10	.01	18
92.....	Oct. 30	--	150	0	1	11	9	20	.04	54

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

445

LAKE PONTCHARTRAIN, LA.--Continued

302150090102000 - LAKE PONTCHARTRAIN AT MOUTH OF TCHEFUNCTA RIVER (LAT 30°21'50" LONG 90°10'20")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED IRON (FE) (UG/L)	BICAR- BONATE (HCO3) (MG/L)	ALKA- LINITY AS CAO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL NITRATE (N) (MG/L)	SUS- PENDEO SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
JUNE										
10...	80	25	21	47	.10	.08	--	44	100	79
24...	270	7	6	17	.17	.12	--	42	40	34
JULY										
08...	240	17	14	23	--	.08	.10	11	36	22
22...	150	20	16	6.8	--	.13	.17	39	18	2
AUG.										
05...	220	19	16	33	--	.07	.22	90	40	24
19...	230	20	16	21	--	.10	.17	9	34	18
SEP.										
03...	40	59	48	250	--	.08	.04	1	1000	950
16...	130	29	24	170	--	.08	.18	37	160	140

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE									
10...	1020	6.7	50	42	6.0	1.3	120	25	9.5
24...	392	7.0	130	43	5.2	1.2	300	80	16
JULY									
08...	271	6.9	60	30	5.3	2.2	65	44	12
22...	79	7.1	70	59	4.8	1.3	900	600	8.4
AUG.									
05...	150	6.7	140	58	3.9	1.2	--	85	11
19...	274	6.9	70	10	3.8	1.8	220	65	11
SEP.									
03...	7530	7.8	20	5	4.6	1.3	94	14	8.2
16...	1360	7.4	80	35	4.3	--	100	62	6.5

DATE	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	ALDRIN (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)
JUNE									
10...	.00	0	1	--	--	--	.00	--	.00
24...	.00	0	0	.00	.0	.00	.00	.00	.00
JULY									
08...	.00	0	1	--	--	--	--	--	--
22...	.00	0	3	.00	.0	.00	.00	.00	.00
AUG.									
05...	.00	3	0	.00	.0	.00	.00	.00	<.01
19...	.00	5	--	.00	.0	.00	.00	.00	.00
SEP.									
03...	.00	0	--	.00	.0	.00	.00	.00	.00
16...	.00	0	3	.00	.0	.00	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE PONTCHARTRAIN, LA.--Continued

302150090102000 - LAKE PONTCHARTRAIN AT MOUTH OF TCHEFUNCTA RIVER (LAT 30°21'50" LONG 90°10'20")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	PCB (UG/L)	TOX- APHENE (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)
JUNE									
10...	.00	.00	.00	--	.0	0	3	0	9
24...	.00	.00	.00	.00	.0	0	0	0	2
JULY									
08...	--	--	--	--	--	--	4	2	4
22...	.00	.00	.00	.00	.0	0	4	1	0
AUG.									
05...	.00	.00	.00	.00	.0	0	2	1	0
19...	.00	.00	.00	.00	.0	0	2	2	1
SEP.									
03...	.00	.00	.00	.00	.0	0	1	1	0
16...	.00	.00	.00	.00	.0	0	1	1	15

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
JUNE								
10...	--	0	13	12	--	.2	110	10
24...	--	--	25	16	--	.1	10	10
JULY								
08...	1	0	12	0	--	.2	80	20
22...	0	0	14	1	.0	.0	110	9
AUG.								
05...	0	0	2	0	.1	.1	40	20
19...	0	0	4	1	.0	.0	20	0
SEP.								
03...	4	0	3	3	.0	.0	30	20
16...	1	0	5	10	.2	.2	40	30

301945090161500 - LAKE PONTCHARTRAIN AT MOUTH OF TANGIPAHOA RIVER (LAT 30°19'45" LONG 90°16'15")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED IRON (FE) (UG/L)	BICAR- BONATE (HCO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL NITRATE (N) (MG/L)	SUS- PENDEU SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
JUNE										
10...	0	29	24	21	.05	.08	--	21	76	52
24...	90	41	34	6.0	.05	.08	--	14	25	0
JULY										
08...	40	11	9	27	--	.08	.08	19	12	3
22...	20	19	16	7.4	--	.56	.09	1	95	79
AUG.										
05...	220	11	9	1.4	--	.07	.18	370	12	3
19...	100	13	11	5.2	--	.08	.11	0	25	14
SEP.										
03...	190	10	8	3.4	--	.12	.17	14	45	37
16...	330	25	21	26	--	.15	.17	25	84	63

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

447

LAKE PONTCHARTRAIN, LA.--Continued

301945090161500 - LAKE PONTCHARTRAIN AT MOUTH OF TANGIPAHOA RIVER (LAT 30°19'45" LONG 90°16'15")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE									
10...	702	6.8	20	40	5.2	.4	900	400	5.2
24...	78	7.2	30	32	6.0	1.3	700	300	3.7
JULY									
08...	99	6.5	50	35	5.7	1.8	200	180	5.3
22...	775	6.7	20	13	6.0	3.3	--	320	--
AUG.									
05...	77	6.2	60	30	4.8	.5	1200	260	--
19...	79	6.7	30	20	4.1	1.1	530	110	5.8
SEP.									
03...	79	6.9	50	30	5.6	1.3	570	88	7.0
16...	584	7.1	50	10	3.1	--	150	60	17

DATE	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	ALDRIN (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)
JUNE									
10...	.00	1	--	--	--	--	--	--	--
24...	.00	0	0	.00	.0	.00	.00	.00	.00
JULY									
08...	.00	0	1	.00	.0	.00	.00	.00	.00
22...	.00	0	3	--	--	--	--	--	--
AUG.									
05...	--	3	1	--	--	--	.00	.00	.00
19...	--	0	3	.00	.0	.00	.00	.00	.00
SEP.									
03...	.00	0	1	.00	.0	.00	.00	.00	.00
16...	.00	0	1	.00	.0	.00	.00	.00	.00

DATE	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	PCB (UG/L)	TOX- APHENE (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)
JUNE									
10...	--	--	--	--	--	--	4	2	10
24...	.00	.00	.00	.00	.0	0	0	3	2
JULY									
08...	.00	.00	.00	.00	.0	0	1	0	6
22...	--	--	--	--	--	--	1	1	0
AUG.									
05...	.00	.00	.00	--	.0	0	1	1	0
19...	.00	.00	.00	.00	.0	0	1	0	9
SEP.									
03...	.00	.00	.00	.00	.0	0	1	1	1
16...	.00	.00	.00	.00	.0	0	1	1	1

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
JUNE								
10...	0	0	--	12	--	.0	20	3
24...	--	--	10	2	--	.2	7	8
JULY								
08...	0	0	5	0	--	.5	30	20
22...	0	0	0	0	.0	.0	30	5
AUG.								
05...	0	--	2	0	.0	.0	20	10
19...	--	0	8	6	.2	.1	50	7
SEP.								
03...	0	0	5	5	.3	.0	20	5
16...	3	0	1	0	.0	.0	50	10

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE PONTCHARTRAIN, LA.--Continued

301730090180000 - LAKE PONTCHARTRAIN AT PASS MANCHAC (LAT 30°17'30" LONG 90°18'00")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED IRON (FE) (UG/L)	BICAR- BONATE (HCO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL NITRATE (N) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
JUNE										
10...	10	40	33	52	.05	.11	--	41	120	87
24...	30	37	30	31	.05	.06	--	18	140	110
JULY										
08...	50	14	11	37	--	.06	.06	10	54	43
22...	30	16	13	18	--	.09	.07	0	96	83
AUG.										
05...	30	22	18	150	--	.01	.10	9	64	46
19...	20	22	18	47	--	.07	.05	0	180	160
SEP.										
03...	220	26	21	32	--	.09	.12	1	92	71
16...	60	28	23	180	--	.07	.32	13	250	230

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE									
10...	1180	7.5	30	49	6.4	.5	700	50	6.8
24...	1350	7.3	20	12	--	--	400	50	7.8
JULY									
08...	483	6.7	30	25	6.2	4.4	410	20	7.4
22...	853	6.6	30	12	6.7	1.3	800	500	8.9
AUG.									
05...	11000	6.6	20	16	6.0	.5	160	16	--
19...	1460	6.4	10	15	6.3	1.6	160	23	8.7
SEP.									
03...	617	7.1	60	15	6.5	2.1	300	66	11
16...	2040	7.0	30	20	5.4	4.6	1600	98	11

DATE	CYANIDE (CN) (UG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	ALDRIN (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)
JUNE									
10...	.00	11	2	.00	.0	.00	.00	.00	.00
24...	.00	0	2	.00	.0	.00	.00	.00	.00
JULY									
08...	.00	0	1	.00	.0	.00	.00	.00	.00
22...	.00	0	4	.00	.0	.00	.00	.00	.00
AUG.									
05...	.00	2	2	.00	.0	.00	.00	.00	.00
19...	.00	3	2	.00	.0	.00	.00	.00	.00
SEP.									
03...	.00	0	1	.00	.0	.00	.00	.00	.00
16...	.00	0	4	.00	.0	.00	.00	.00	.00

DATE	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	PCB (UG/L)	TOX- APHENE (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)
JUNE									
10...	.00	.00	.00	.00	.0	0	0	3	4
24...	.00	.00	.00	.00	.0	0	0	2	4
JULY									
08...	.00	.00	.00	.00	.0	0	0	2	--
22...	.00	.00	.00	.00	.0	0	2	1	0
AUG.									
05...	.00	.00	.00	.00	.0	0	2	1	0
19...	.00	.00	.00	.00	.0	0	2	3	2
SEP.									
03...	.00	.00	.00	.00	.0	0	2	1	1
16...	.00	.00	.00	.00	.0	0	1	1	12

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

449

LAKE PONTCHARTRAIN, LA.--Continued

301730090180000 - LAKE PONTCHARTRAIN AT PASS MANCHAC (LAT 30°17'30" LONG 90°18'00")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CRS) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
JUNE								
10...	--	--	15	5	--	.2	20	7
24...	3	0	17	8	--	.0	10	8
JULY								
08...	0	0	11	0	--	.3	40	5
22...	0	0	0	0	.1	.0	20	0
AUG.								
05...	1	0	1	1	.1	.1	40	40
19...	0	0	2	0	.1	.1	70	7
SEP.								
03...	1	0	3	0	.0	.0	50	0
16...	3	0	13	10	1.3	1.0	60	40

301500089572000 LAKE PONTCHARTRAIN AT MOUTH OF BAYOU LACOMBE (LAT 30°15'00" LONG 89°57'20")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED IRON (FE) (UG/L)	BICAR- BONATE (HCO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL NITRATE (N) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
JUNE										
10...	10	34	28	96	.06	.21	--	31	260	230
24...	0	35	29	82	.05	.07	--	22	220	190
JULY										
08...	--	36	30	200	--	.05	.15	--	230	200
22...	0	27	22	25	--	.34	.10	14	180	160
AUG.										
05...	120	31	25	53	--	.02	.12	22	230	210
19...	100	40	33	93	--	.05	.09	1	320	290
SEP.										
03...	50	40	33	160	--	.04	.06	2	530	500
16...	160	39	32	200	--	.05	.18	4	690	660

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE									
10...	2780	6.9	20	32	7.0	1.0	--	--	6.2
24...	2310	7.4	20	32	7.4	--	60	20	8.4
JULY									
08...	1970	7.3	20	15	7.6	3.4	130	0	10
22...	1420	6.9	30	13	7.3	4.0	12	2	7.0
AUG.									
05...	1010	6.8	60	30	5.1	2.2	88	53	9.0
19...	2480	6.9	30	20	4.8	1.9	370	60	11
SEP.									
03...	4270	7.6	10	10	6.8	.7	0	0	6.4
16...	5440	7.4	60	5	4.7	2.2	360	33	17

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE PONTCHARTRAIN, LA.--Continued

301500089572000 LAKE PONTCHARTRAIN AT MOUTH OF BAYOU LACOMBE (LAT 30°15'00" LONG 89°57'20")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	ALDRIN (UG/L)	CHLOR- DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)
JUNE									
10...	.00	--	0	.00	.0	.00	.00	.00	.00
24...	.00	0	1	.00	.0	.00	.00	.00	.00
JULY									
08...	--	0	--	.00	.0	.00	.00	.00	.00
22...	.00	6	3	.00	.0	.00	.00	.00	.00
AUG.									
05...	.00	6	1	.00	.0	.00	.00	.00	.00
19...	--	--	4	.00	.0	.00	.00	.00	.00
SEP.									
03...	.00	6	60	.00	.0	.00	.00	.00	.00
16...	.00	0	0	.00	.0	.00	.00	.00	.00

DATE	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	PCB (UG/L)	TOX- APHENE (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)
JUNE									
10...	.00	.00	.00	.00	.0	0	0	1	8
24...	.00	.00	.00	.00	.0	0	9	2	2
JULY									
08...	.00	.00	.00	.00	.0	0	--	--	--
22...	.00	.00	.00	.00	.0	0	1	1	1
AUG.									
05...	.00	.00	.00	.00	.0	0	2	0	0
19...	.00	.00	.00	.00	.0	0	0	1	0
SEP.									
03...	.00	.00	.00	.00	.0	0	1	1	1
16...	.00	.00	.00	.00	.0	0	1	1	0

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
JUNE								
10...	--	0	16	12	--	.1	5	7
24...	--	--	2	2	--	.3	10	10
JULY								
08...	--	--	--	--	--	--	--	--
22...	0	0	0	0	.1	.0	20	1
AUG.								
05...	0	0	2	0	.1	.0	20	8
19...	--	0	2	2	.1	.1	0	0
SEP.								
03...	1	0	10	0	.0	.0	20	5
16...	2	0	7	10	.1	.0	50	20

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

451

LAKE PONTCHARTRAIN, LA.--Continued

501116090073300 - LAKE PONTCHARTRAIN AT GNO EXPRESSWAY BRIDGE (LAT 30°11'16" LONG 90°07'33")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED IRON (FE) (UG/L)	BICAR- BONATE (HCO3) (MG/L)	ALKA- LINITY AS CaCO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL NITRATE (N) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
JUNE										
10...	10	41	34	63	.05	.12	--	73	140	110
24...	10	44	36	66	.10	.07	--	38	150	110
JULY										
08...	10	43	35	88	--	.03	.05	9	220	190
22...	0	50	41	42	--	.12	.06	1	340	300
AUG.										
05...	10	45	37	140	--	.09	.06	55	230	190
19...	10	46	38	60	--	.02	.03	0	530	490
SEP.										
16...	20	52	43	280	--	.04	.05	3	950	910

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE									
10...	1330	7.4	30	71	6.4	.8	500	100	5.8
24...	1420	7.2	30	43	--	--	400	35	10
JULY									
08...	1520	6.8	20	30	7.7	.8	0	0	8.3
22...	2960	7.1	20	19	7.5	.7	20	10	--
AUG.									
05...	3220	6.8	20	8	7.2	.5	26	0	5.8
19...	4200	7.2	0	10	6.8	1.4	12	0	4.8
SEP.									
16...	7280	7.8	5	5	8.8	4.6	5	0	9.3

DATE	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	ALDRIN (UG/L)	CHLOR- DANE (UG/L)	DOD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)
JUNE									
10...	.00	0	0	.00	.0	.00	.00	.00	.00
24...	.00	0	1	.00	.0	.00	.00	.00	.00
JULY									
08...	.00	0	1	.00	.0	.00	--	.00	.00
22...	.00	1	2	.00	.0	.00	.00	.00	.00
AUG.									
05...	.00	0	1	.00	.0	.00	.00	.00	.00
19...	.00	5	1	.00	.0	.00	.00	.00	.00
SEP.									
16...	.00	1	2	.00	.0	.00	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE PONTCHARTRAIN, LA.--Continued

301116090073300 - LAKE PONTCHARTRAIN AT GNO EXPRESSWAY BRIDGE (LAT 30°11'16" LONG 90°07'33")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	PCB (UG/L)	TOX- APHENE (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)
JUNE									
10...	.00	.00	.00	.00	.0	0	6	0	0
24...	.00	.00	.00	.00	.0	0	3	3	1
JULY									
08...	.00	.00	.00	.00	.0	0	5	1	10
22...	.00	.00	.00	.00	.0	0	1	1	0
AUG.									
05...	.00	.00	.00	.00	.0	0	1	0	0
19...	.00	.00	.00	.00	.0	0	1	1	2
SEP.									
16...	.00	.00	.00	.00	.0	0	1	0	18

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
JUNE								
10...	--	0	19	10	.0	.1	30	3
24...	--	--	1	6	--	.0	0	8
JULY								
08...	0	0	2	0	--	.2	10	10
22...	1	0	0	0	.0	.1	30	30
AUG.								
05...	1	0	0	0	.1	.0	20	8
19...	0	0	3	0	.1	.0	2	4
SEP.								
16...	1	0	16	10	.1	.1	60	30

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

453

LAKE PONTCHARTRAIN, LA.--Continued

300205090015500 - LAKE PONTCHARTRAIN (IHN CANAL) AT NEW ORLEANS (LAT 30°02'05" 90°01'55")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED IRON (FE) (UG/L)	BICAR- BONATE (HCO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL NITRATE (N) (MG/L)	SUS- PENDEU SOLIDS (MG/L)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
JUNE										
10...	0	41	34	110	.05	.06	--	17	360	330
24...	--	50	41	230	.04	.05	--	21	680	640
JULY										
08...	0	39	32	160	--	.05	.03	5	600	570
22...	0	49	40	79	--	.02	.07	--	640	600
AUG.										
05...	20	56	46	180	--	.01	.08	181	560	510
19...	30	52	43	170	--	.05	.02	0	810	770
SEP.										
03...	80	21	17	53	--	.05	.06	40	170	150
16...	20	60	49	200	--	.10	.04	17	610	560

DATE	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (MG/L)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL. PER 100 ML)	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE									
10...	3660	7.4	5	27	6.8	.5	500	45	6.9
24...	6550	7.5	20	24	--	--	300	40	7.4
JULY									
08...	4260	7.1	10	10	7.9	1.6	50	27	9.6
22...	5040	7.2	20	8	7.2	1.6	120	18	6.6
AUG.									
05...	7140	7.2	20	9	7.9	1.6	220	3	5.6
19...	6470	7.1	50	10	7.2	1.4	500	33	5.5
SEP.									
03...	1290	7.4	30	5	7.5	2.0	150	14	--
16...	4730	7.8	20	15	8.2	1.6	--	1000	8.8

DATE	CYANIDE (CN) (UG/L)	OIL AND GREASE (MG/L)	ALDRIN (UG/L)	CHLOR- DANE (UG/L)	DDO (UG/L)	DDE (UG/L)	DDT (UG/L)	DI- ELDRIN (UG/L)
JUNE								
10...	.00	0	.00	.0	.00	.00	.00	.00
24...	.00	2	.00	.0	.00	.00	.00	.00
JULY								
08...	.00	1	.00	.0	.00	.00	.00	.00
22...	.00	4	.00	.0	.00	.00	.00	.00
AUG.								
05...	.00	3	.00	.0	.00	.00	.00	.00
19...	.00	2	.00	.0	.00	.00	.00	.00
SEP.								
03...	.00	60	.00	.0	.00	.00	.00	.00
16...	.00	0	.00	.0	.00	.00	.00	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

LAKE PONTCHARTRAIN, LA.--Continued

300205090015500 - LAKE PONTCHARTRAIN (IHN CANAL) AT NEW ORLEANS (LAT 30°02'05" 90°01'55")--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	ENDRIN (UG/L)	HEPTA- CHLOR (UG/L)	HEPTA- CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	PCB (UG/L)	TOX- APHENE (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)
JUNE									
10...	.00	.00	.00	.00	.0	0	6	2	10
24...	.00	.00	.00	.00	.0	0	0	0	6
JULY									
08...	.00	.00	.00	.00	.0	0	2	1	11
22...	.00	.00	.00	.00	.0	0	2	1	2
AUG.									
05...	.00	.00	.00	.00	.0	0	1	1	0
19...	.00	.00	.00	.00	.0	0	2	1	3
SEP.									
03...	.00	.00	.00	.00	.0	0	1	1	18
16...	.00	.00	.00	.00	.0	0	1	1	14

DATE	DIS- SOLVED CAD- MIUM (CD) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
JUNE								
10...	--	0	5	4	--	.1	20	7
24...	6	0	19	8	--	.1	10	3
JULY								
08...	3	0	11	0	--	.4	40	30
22...	1	0	6	0	1	.0	20	8
AUG.								
05...	1	0	0	0	.1	.0	30	10
19...	0	0	2	0	.0	.0	2	0
SEP.								
03...	0	0	10	10	.4	.2	50	10
16...	2	0	6	10	.0	.4	40	20

300024089560500 - INTRACOASTAL WATERWAY AT NPSI PLANT NR PARIS RD (LAT 30°00'24" LONG 89°56'05")

WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	DIS- SOLVED IRON (FE) (UG/L)	BICAR- BONATE (HCO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED NITRATE (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL NITRATE (N) (MG/L)	SUS- PENDE SOLIDS (MG/L)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
JUNE										
10...	0	68	56	140	.05	.09	--	12	810	750
24...	10	84	69	260	.05	.07	--	9	1800	1700
JULY										
08...	10	95	78	120	--	.07	.04	0	2200	2100
22...	20	88	72	150	--	.08	.07	7	2100	2000
AUG.										
05...	40	98	80	160	--	.07	.08	12	2200	2100
19...	60	85	70	140	--	.08	.04	0	2300	2200
SEP.										
03...	70	86	71	120	--	.11	.06	4	2200	2100
16...	--	70	57	290	--	.08	.07	--	1400	1300

LAKE PONTCHARTRAIN, LA.--Continued

300024089560500 - INTRACOASTAL WATERWAY AT NPSI PLANT NR PARIS RD (LAT 30°00'24" LONG 89°56'05")--Continued
 WATER QUALITY DATA, WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (MG/L)	DISSOLVED OXYGEN (MG/L)	BIO-CHEMICAL OXYGEN DEMAND (MG/L)	IMMEDIATE COLIFORM PER 100 ML	FECAL COLIFORM PER 100 ML	TOTAL ORGANIC CARBON (C) (MG/L)
JUNE 10...	8020	7.8	20	21	6.3	1.0	2100	1400	6.2
24...	16600	7.4	10	15	--	--	1200	400	8.8
JULY 08...	16000	7.2	20	5	3.6	1.9	2400	2000	6.0
22...	13900	7.5	20	12	5.1	1.2	--	--	9.9
AUG. 05...	23400	7.4	20	18	4.4	1.5	940	150	4.5
19...	17400	7.2	5	10	4.8	.9	2200	230	8.4
SEP. 03...	16000	7.8	20	5	4.9	1.0	3400	100	7.7
16...	9910	7.6	20	5	6.7	2.4	310	12	8.9

DATE	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	ALDRIN (UG/L)	CHLORDANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)
JUNE 10...	.00	0	0	.00	.0	.00	.00	.00	.00
24...	.00	0	2	.00	.0	.00	.00	.00	.00
JULY 08...	.00	0	1	.00	.0	.00	.00	.00	.00
22...	.00	0	1	.00	.0	.00	.00	.00	.00
AUG. 05...	.00	0	2	.00	.0	.00	.00	.00	.00
19...	--	0	3	.00	.0	.00	.00	.00	.00
SEP. 03...	.01	0	61	.00	.0	.00	.00	.00	.00
16...	--	0	--	.00	.0	.00	.00	.00	.00

DATE	ENDRIN (UG/L)	HEPTACHLOR (UG/L)	HEPTACHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	PCB (UG/L)	TOXAPHENE (UG/L)	TOTAL ARSENIC (AS) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)
JUNE 10...	.00	.00	.00	.00	.0	0	0	1	3
24...	.00	.00	.00	.00	.0	0	0	0	6
JULY 08...	.00	.00	.00	.00	.0	0	0	1	18
22...	.00	.00	.00	.00	.0	0	2	1	0
AUG. 05...	.00	.00	.00	.00	.0	0	1	1	0
19...	.00	.00	.00	.00	.0	0	1	1	0
SEP. 03...	.00	.00	.00	.00	.0	0	2	2	1
16...	.00	.00	.00	.00	.0	0	--	--	--

DATE	DISSOLVED CADMIUM (CD) (UG/L)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL LEAD (PB) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DISSOLVED MERCURY (HG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)
JUNE 10...	--	--	10	5	--	--	40	7
24...	4	0	15	13	--	.1	20	7
JULY 08...	0	0	11	0	--	.2	20	20
22...	0	0	0	0	.1	.0	40	10
AUG. 05...	1	0	1	0	.0	.0	20	5
19...	--	0	5	2	.1	.0	20	4
SEP. 03...	1	0	5	5	.2	.1	40	20
16...	--	--	--	--	--	--	--	--

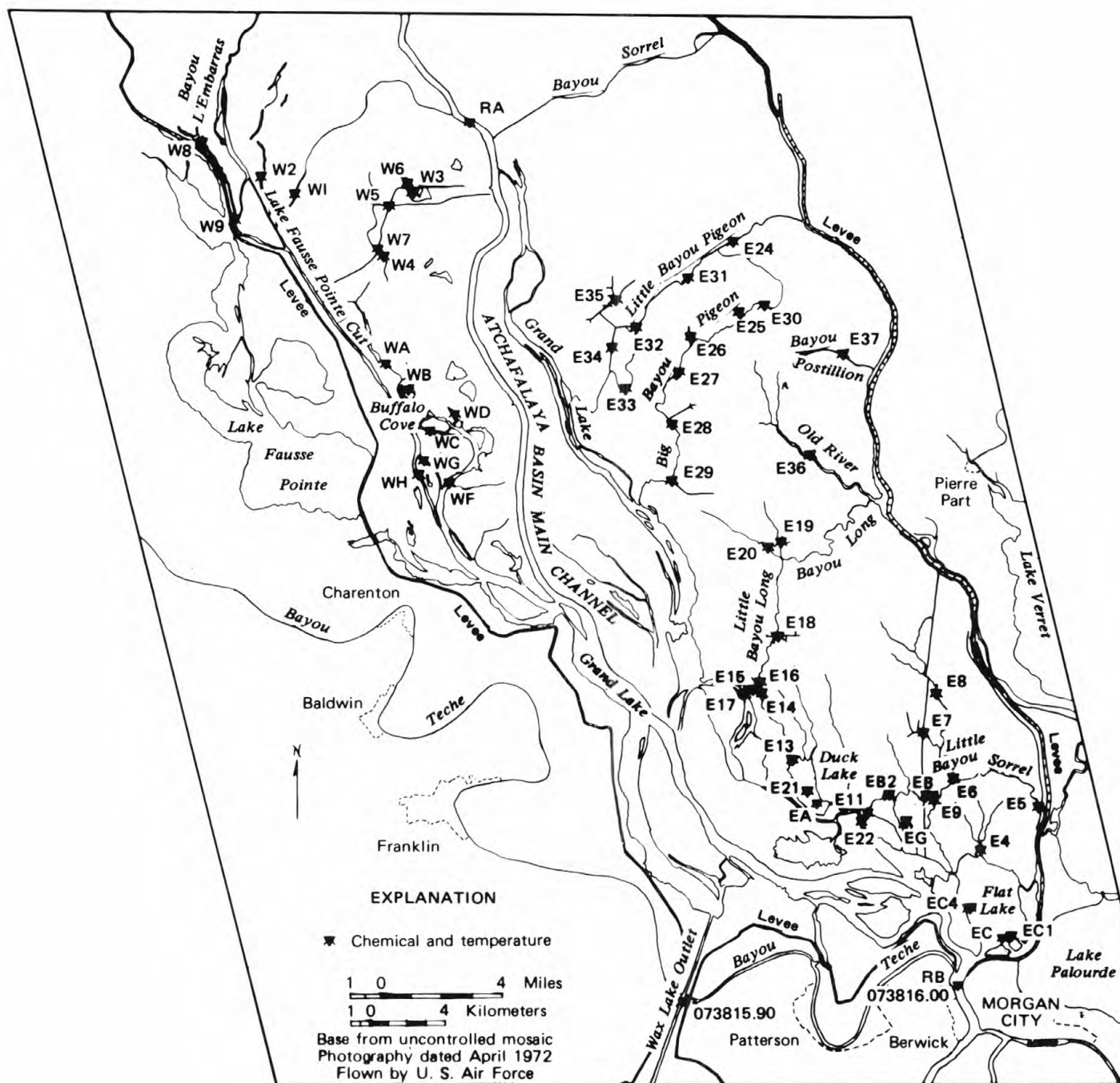


Figure 5.--Map showing location of sampling sites
in lower Atchafalaya River basin

WATER-QUALITY DATA COLLECTED AFTER HURRICANE CARMEN

On Sept. 17, 18, 1974, a series of water samples were collected in the lower Atchafalaya River basin to determine water-quality conditions after Hurricane Carmen (Sept. 7). Results of analyses are given below. Chemical analyses of samples collected at additional sites are given on pages 458 and 459 of this report. Locations of the sampling sites are shown on the map on page 456.

SAMPLING SITE	DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS AT 25° C)	PH (UNITS)	WATER TEMPERA- TURE (°C)	DIS- SOLVED OXYGEN (DO) (MG/L)	DIS- SOLVED OXYGEN (PERCENT SATURATION)
FLAT LAKE EC-1	SEPT. 17	0930	382	7.0	27.0	3.8	50
FLAT LAKE EC-4	SEPT. 17	0950	380	6.9	26.5	3.7	45
LITTLE BAYOU SORREL E-5	SEPT. 17	1035	428	6.7	27.0	.1	1
LITTLE BAYOU SORREL AT BIG FORK BAYOU E-6	SEPT. 17	1040	417	6.6	26.5	.4	5
BIG FORK BAYOU E-8	SEPT. 17	1110	426	6.6	27.0	.1	1
BIG BAYOU JESSIE E-9	SEPT. 17	1130	422	6.7	26.5	.5	6
LITTLE BAYOU SORREL E-B	SEPT. 17	1145	430	6.6	26.5	.8	10
LITTLE BAYOU JOE E-11	SEPT. 17	1200	338	7.3	25.0	6.2	74
DUCK LAKE E-13	SEPT. 17	1220	353	6.9	26.0	3.2	39
LITTLE BAYOU LONG E-14	SEPT. 17	1230	350	6.9	26.0	3.7	45
CONCRETE PILING CANAL E-15	SEPT. 17	1232	327	6.6	25.5	6.6	80
LITTLE BAYOU LONG E-16	SEPT. 17	1245	368	6.7	26.0	1.0	12
WILLOW COVE E-17	SEPT. 17	1240	329	7.4	25.0	6.6	79
WEST FORK BAYOU LONG E-20	SEPT. 17	1400	409	6.6	26.5	.1	1
DUCK LAKE E-21	SEPT. 17	1430	415	6.7	27.5	.5	6
AMERICAN PASS E-22	SEPT. 17	1440	414	6.7	27.0	1.2	15
ATCHAFALAYA RIVER AT MORGAN CITY R-B	SEPT. 17	1500	330	7.4	25.5	6.4	77
BIG BAYOU PIGEON E-24	SEPT. 18	0945	340	7.2	25.0	5.5	65
PIPE LINE CANAL E-25	SEPT. 18	1015	395	6.6	26.5	0.1	1
LAKE RUNNELS E-26	SEPT. 18	1030	424	6.6	26.0	0.1	1
BIG BAYOU PIGEON E-29	SEPT. 18	1105	374	8.0	27.5	7.0	88
BIG BAYOU PIGEON E-30	SEPT. 18	1130	341	7.2	25.5	5.4	65
LITTLE BAYOU PIGEON E-31	SEPT. 18	1200	371	6.9	27.0	3.2	40
LITTLE BAYOU PIGEON E-32	SEPT. 18	1210	372	6.9	27.5	3.1	39
PIPE LINE CANAL E-34	SEPT. 18	1230	441	7.0	27.5	4.8	60
BAYOU COWAN E-35	SEPT. 18	1240	505	6.7	27.0	0.2	2

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
WATER-QUALITY DATA COLLECTED AFTER HURRICANE CARMEN--Continued

DATE	TOTAL SUL- FIDE (S) (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	AMMONIA NITRO- GEN (N) (MG/L)	ORGANIC NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)
294635091123500 - BEAR BAYOU STA E4 (LAT 29 46 35 LONG 091 12 35)									
SEP. 17 1974	.5	.02	.00	.13	.97	1.1	446	6.6	28.0
295005091142000 - 16 INCH PIPE LINE CANAL STA E7 (LAT 29 50 05 LONG 091 14 20)									
SEP. 17 1974	.8	.02	.01	.14	.96	1.1	448	6.6	26.5
295230091192000 - LITTLE BAYOU LONG STA E18 (LAT 29 52 30 LONG 091 19 20)									
SEP. 17 1974	2.7	.03	.00	.41	.89	1.3	425	6.6	26.0
295510091192000 - MIDDLE FORK STA E19 (LAT 29 55 10 LONG 091 19 20)									
SEP. 17 1974	4.1	.02	.01	.66	.94	1.6	470	6.6	27.0
295730091173000 - OLD RIVER STA E36 (LAT 29 57 30 LONG 091 17 30)									
SEP. 18 1974	.7	.03	.00	.19	1.0	1.2	445	6.7	28.0
295940091241500 - LITTLE BAYOU PIGEON STA E33 (LAT 29 59 40 LONG 091 24 15)									
SEP. 18 1974	.2	.15	.01	.08	.61	.85	401	7.0	27.5
300005091223500 - BIG BAYOU PIGEON STA E27 (LAT 30 00 05 LONG 091 22 35)									
SEP. 18 1974	1.0	.03	.00	.14	.86	1.0	423	6.6	26.5
300140091172500 - BAYOU POSTILLION STA E37 (LAT 30 01 40 LONG 091 17 25)									
SEP. 18 1974	1.3	.02	.00	.26	1.0	1.3	420	6.7	25.5
300344091322800 - GAY'S SLOUGH AT SI BON CANAL STA W4 (LAT 30 03 44 LONG 091 32 28)									
SEP. 17 1974	.7	.62	.01	.23	.61	1.5	333	7.0	27.0
300455091320000 - SI BON CANAL NR N ARM GRAND LK STA W5 (LAT 30 04 55 LONG 091 32 00)									
SEP. 17 1974	.1	.12	.04	.31	.99	1.5	389	7.0	25.0
300520091311500 - NORTH ARM OF GRAND LAKE STA W3 (LAT 30 05 20 LONG 091 31 15)									
SEP. 17 1974	.2	.01	.00	.10	.90	1.0	421	7.2	28.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

459

WATER-QUALITY DATA COLLECTED AFTER HURRICANE CARMEN--Continued

DATE	COLOR (PLAT- INUM- COBALT UNITS)	DIS- SOLVED OXYGEN (MG/L)	PER- CENT SATUR- ATION	RIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	TANNIN AND LIGNIN (MG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
294635091123500 - BEAR BAYOU STA E4 (LAT 29 46 35 LONG 091 12 35)									
SEP., 1974 17...	140	.3	4	4.1	9.3	.9	.00	.00	.00
295005091142000 - 16 INCH PIPE LINE CANAL STA E7 (LAT 29 50 05 LONG 091 14 20)									
SEP., 1974 17...	140	.0	0	4.2	12	2.0	.00	.01	.00
295230091192000 - LITTLE BAYOU LONG STA E18 (LAT 29 52 30 LONG 091 19 20)									
SEP., 1974 17...	180	.1	1	4.6	9.6	2.0	.00	.01	.00
295510091192000 - MIDDLE FORK STA E19 (LAT 29 55 10 LONG 091 19 20)									
SEP., 1974 17...	200	.0	0	>6.5	12	2.0	.08	.01	.00
295730091173000 - OLD RIVER STA E36 (LAT 29 57 30 LONG 091 17 30)									
SEP., 1974 18...	140	.2	3	4.1	5.3	1.0	.19	.03	.01
295940091241500 - LITTLE BAYOU PIGEON STA E33 (LAT 29 59 40 LONG 091 24 15)									
SEP., 1974 18...	40	4.4	55	3.8	7.0	.5	.00	.01	.00
300005091223500 - BIG BAYOU PIGEON STA E27 (LAT 30 00 05 LONG 091 22 35)									
SEP., 1974 18...	200	.1	1	5.6	8.8	1.0	.00	.01	.00
300140091172500 - BAYOU POSTILLION STA E37 (LAT 30 01 40 LONG 091 17 25)									
SEP., 1974 18...	200	.9	11	4.3	12	2.0	.10	.01	.00
300344091322800 - GAY'S SLOUGH AT SI BON CANAL STA W4 (LAT 30 03 44 LONG 091 32 28)									
SEP., 1974 17...	60	5.5	68	2.2	6.9	.7	.00	.04	.01
300455091320000 - SI BON CANAL NR N ARM GRAND LK STA W5 (LAT 30 04 55 LONG 091 32 00)									
SEP., 1974 17...	100	.1	1	4.4	7.9	1.0	.00	.01	.00
300520091311500 - NORTH ARM OF GRAND LAKE STA W3 (LAT 30 05 20 LONG 091 31 15)									
SEP., 1974 17...	40	3.7	47	4.4	8.7	.8	.00	.01	.00

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES
INSTANTANEOUS SUSPENDED-SEDIMENT DISCHARGE MEASUREMENTS, WATER YEAR 1974

DATE	TIME	DISCHARGE (CFS)	CONCEN- TRATION (MG/L)	SUSPENDED- SEDIMENT DISCHARGE (TONS/DAY)	PERCENT FINER THAN .062 MM	DATE	TIME	DISCHARGE (CFS)	CONCEN- TRATION (MG/L)	SUSPENDED- SEDIMENT DISCHARGE (TONS/DAY)	PERCENT FINER THAN .062 MM
MISSISSIPPI RIVER DELTA											
07381590 WAX LAKE OUTLET AT CALUMET, LA.											
FEB.						MAR.					
9...	0940	169,000	359	164,000	77	9...	0920	140,000	241	91,000	85
12...	0900	162,000	302	132,000	82	12...	0820	132,000	258	92,000	--
16...	0750	164,000	271	120,000	69	16...	0815	134,000	243	88,000	--
19...	0940	165,000	220	98,000	79	APR.					
23...	0805	161,000	246	107,000	--	9...	0755	137,000	192	71,000	--
26...	0800	161,000	232	101,000	--	16...	0915	141,000	323	123,000	88
MAR.						20...	1000	144,000	219	85,000	--
2...	0805	156,000	235	99,000	--	23...	0900	143,000	223	86,000	--
5...	0825	148,000	248	99,000	--						
07381600 LOWER ATCHAFALAYA RIVER AT MORGAN CITY, LA.											
FEB.						MAR.					
8...	1535	374,000	739	746,000	62	5...	1240	316,000	293	250,000	--
12...	1345	360,000	426	414,000	59	9...	1130	304,000	312	256,000	64
16...	1150	376,000	570	579,000	47	APR.					
19...	1415	384,000	451	468,000	60	9...	1215	273,000	312	230,000	--
23...	1205	367,000	390	386,000	--	16...	1250	302,000	491	400,000	77
26...	1230	343,000	478	443,000	--	20...	1105	308,000	367	305,000	--
MAR.						23...	1355	300,000	338	274,000	--
2...	--	320,000	384	332,000	--						

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

461

SUSPENDED SEDIMENT CONCENTRATIONS (MG/L), WATER YEAR OCTOBER 1973 TO SEPTEMBER 1974

DATE OF COLLECTION	CONCENTRATION	DATE OF COLLECTION	CONCENTRATION
--------------------	---------------	--------------------	---------------

RED RIVER BASIN

07373000 BIG CREEK AT POLLOCK

OCT. 25, 1973.....	22	MAY 23.....	241
NOV. 20.....	24	JUNE 4.....	18
JAN. 22, 1974.....	26	JUNE 14.....	14
FEB. 25.....	17	JUNE 25.....	10
FEB. 26.....	10	JULY 18.....	42
MAR. 25.....	14	JULY 25.....	22
APR. 9.....	13	AUG. 29.....	19
APR 30.....	9	SEPT. 11.....	20
MAY 8.....	10	SEPT. 26.....	21

MISSISSIPPI RIVER DELTA

07378510 AMITE RIVER AT 4-H CAMP NEAR DENHAM SPRINGS

NOV. 28, 1973.....	264	APR. 11.....	70
DEC. 19.....	35	MAY 21.....	78
JAN. 31, 1974.....	136	JUNE 27.....	32
FEB. 28.....	82	JULY 25.....	281
MAR. 13.....	60	AUG. 28.....	268

07380400 BAYOU LAFOURCHE AT CULVERT AT DONALDSONVILLE

NOV. 25, 1973.....	171	JUNE 4.....	197
MAR. 13, 1974.....	198	JUNE 7.....	404
APR. 18.....	238	JULY 16.....	249

07381000 BAYOU LAFOURCHE ABOVE WIER AT THIBODAUX

NOV. 28, 1973.....	99	JUNE 4.....	76
JAN. 22, 1974.....	205	JULY 16.....	67
APR. 18.....	83		

07381000 BAYOU LAFOURCHE BELOW WIER AT THIBODAUX

NOV. 28, 1973.....	102	APR. 18.....	83
JAN. 22, 1974.....	218	JUNE 4.....	98

TEMPERATURES (°C) AND DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, OF STREAMS IN LOUISIANA DURING 1974 WATER YEAR

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
PEARL RIVER BASIN					
02489500 PEARL RIVER NEAR BOGALUSA					
NOV. 2, 1973.....	18.0	--	JULY 9.....	27.5	--
NOV. 8.....	18.0	--	AUG. 8.....	--	--
DEC. 18.....	9.0	--	AUG. 13.....	28.5	--
JAN. 29, 1974.....	16.0	--	SEPT. 23.....	25.0	--
02490105 BOGUE LUSA CREEK AT STATE HIGHWAY 439, AT BOGALUSA					
NOV. 7, 1973.....	16.5	8.3	MAR. 5.....	20.0	9.3
NOV. 9.....	17.5	8.4	JULY 9.....	23.0	--
DEC. 14.....	11.5	11.1	JULY 16.....	24.5	--
DEC. 27.....	13.0	--	AUG. 14.....	27.5	--
JAN. 23, 1974.....	17.0	9.1	SEPT. 29.....	22.0	--
FEB. 7.....	15.5	--			
02492000 BOGUE CHITTO NEAR BUSH					
NOV. 9, 1973.....	18.5	8.1	APR. 15.....	17.0	--
DEC. 17.....	10.5	11.5	MAY 29.....	25.0	--
JAN. 22, 1974.....	17.0	8.7	JULY 8.....	24.8	--
MAR. 5.....	19.5	8.4	AUG. 12.....	28.5	--
MAR. 6.....	19.5	--	SEPT. 25.....	23.5	--
RED RIVER BASIN					
07344450 PAW PAW BAYOU NEAR GREENWOOD					
OCT. 25, 1973.....	17.0	8.9	APR. 23.....	16.5	--
NOV. 27.....	20.0	--	MAY 29.....	21.5	5.8
JAN. 15, 1974.....	7.5	9.0	JULY 17.....	23.0	5.9
MAR. 5.....	18.5	7.4	SEPT. 24.....	16.0	8.1
APR. 18.....	14.0	6.9			
07348000 TWELVEMILE BAYOU NEAR DIXIE					
OCT. 3, 1973.....	19.0	6.3	MAY 30.....	27.0	7.6
OCT. 31.....	17.0	10.0	JUNE 17.....	22.5	--
DEC. 10.....	10.0	8.4	JULY 17.....	30.0	6.2
JAN. 16, 1974.....	6.0	8.2	AUG. 15.....	26.0	--
MAR. 5.....	17.0	9.4	SEPT. 6.....	24.0	7.4
APR. 18.....	19.5	6.8			
07348700 BAYOU DORCHEAT NEAR SPRINGHILL					
OCT. 31, 1973.....	15.0	10.2	APR. 24.....	18.0	--
DEC. 5.....	11.0	--	APR. 30.....	20.0	--
DEC. 6.....	12.0	--	JUNE 3.....	20.0	7.2
JAN. 17, 1974.....	8.0	8.8	JULY 18.....	24.0	6.0
MAR. 6.....	18.5	6.7	AUG. 21.....	24.5	7.1
APR. 23.....	18.5	--	SEPT. 12.....	22.0	--
07348800 FLAT LICK BAYOU NEAR LETON					
OCT. 30, 1973.....	13.0	10.4	APR. 19.....	15.0	8.8
DEC. 11.....	5.0	6.8	MAY 31.....	23.0	7.1
JAN. 30, 1974.....	9.0	9.3	JULY 17.....	25.0	6.0
MAR. 6.....	19.5	7.2	AUG. 19.....	22.0	1.7
07349000 BAYOU DORCHEAT NEAR MINDEN					
OCT. 3, 1973.....	19.0	6.4	APR. 19.....	16.5	6.9
OCT. 30.....	15.0	9.6	APR. 29.....	23.5	--
DEC. 6.....	12.0	--	MAY 30.....	23.0	5.2
DEC. 7.....	11.0	--	JULY 12.....	26.0	5.2
MAR. 4, 1974.....	16.0	6.2	AUG. 20.....	26.0	6.5
07349500 BODCAU BAYOU NEAR SAREPTA					
NOV. 1, 1973.....	15.0	10.4	APR. 24.....	20.5	--
DEC. 5.....	12.5	--	MAY 30.....	23.5	6.0
JAN. 17, 1974.....	11.0	8.1	JULY 19.....	26.0	5.1
MAR. 6.....	17.0	5.8	SEPT. 12.....	23.5	1.5
APR. 23.....	20.0	--			

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
RED RIVER BASIN--Continued					
07349800 CYPRESS BAYOU NEAR BENTON					
OCT. 1, 1973.....	17.0	6.8	JAN. 16, 1974....	9.0	8.3
NOV. 1.....	12.0	11.6	MAR. 4.....	18.0	6.8
NOV. 12.....	11.0	11.2	APR. 18.....	15.0	6.6
DEC. 5.....	12.0	8.8	APR. 24.....	19.5	--
DEC. 6.....	13.0	9.2	MAY 31.....	22.0	8.2
DEC. 7.....	8.5	--	JULY 22.....	27.5	6.1
DEC. 10.....	13.0	--	SEPT. 11.....	21.0	3.1
07351000 BOGGY BAYOU NEAR KEITHVILLE					
OCT. 31, 1973.....	14.5	9.4	MAY 29.....	22.0	6.1
DEC. 6.....	10.0	4.8	JULY 22.....	27.0	4.6
JAN. 15, 1974.....	8.0	7.3	SEPT. 11.....	22.0	5.6
MAR. 5.....	19.5	8.1	SEPT. 17.....	22.5	--
APR. 17.....	15.0	5.0			
07352000 SALINE BAYOU NEAR LUCKY					
OCT. 2, 1973.....	20.0	7.0	MAR. 12.....	19.0	6.4
OCT. 26.....	16.0	8.7	APR. 16.....	14.0	6.8
NOV. 27.....	21.5	--	MAY 29.....	19.0	4.7
JAN. 23, 1974.....	12.0	8.2	JULY 26.....	24.0	--
FEB. 19.....	12.0	--	AUG. 27.....	22.5	--
07352800 GRAND BAYOU NEAR COUSHATTA					
OCT. 29, 1973.....	14.0	5.8	MAR. 13.....	20.0	--
DEC. 3.....	13.0	7.6	APR. 15.....	20.5	--
DEC. 5.....	13.0	5.0	APR. 16.....	16.0	6.2
DEC. 6.....	11.5	--	MAY 28.....	19.0	7.3
JAN. 14, 1974.....	7.0	8.4	JULY 20.....	25.0	1.8
MAR. 7.....	20.0	5.5			
07354000 LITTLE SANDY CREEK AT KISATCHIE					
OCT. 3, 1973.....	25.5	--	MAR. 14.....	20.5	8.6
NOV. 12.....	15.0	3.0	APR. 23.....	20.0	9.2
DEC. 12.....	14.5	--	JUNE 3.....	28.5	8.2
JAN. 24, 1974.....	10.5	--	JULY 17.....	32.0	8.5
JAN. 29.....	14.5	9.0	AUG. 27.....	31.0	8.4
JAN. 31.....	13.5	10.4	SEPT. 24.....	24.0	8.5
07364100 OUACHITA RIVER NEAR ARKANSAS-LOUISIANA STATE LINE					
OCT. 5, 1973.....	25.0	5.7	AUG. 12.....	28.0	6.5
AUG. 8, 1974.....	27.0	5.4			
07364200 BAYOU BARTHOLOMEW NEAR JONES					
OCT. 3, 1973.....	23.0	7.0	APR. 30.....	23.0	5.1
NOV. 14.....	19.0	8.1	JUNE 18.....	23.0	4.1
DEC. 7.....	14.0	6.8	JULY 31.....	32.5	4.8
JAN. 30, 1974.....	11.5	--	SEPT. 11.....	22.0	6.3
MAR. 19.....	17.0	4.2			
07364300 CHEMIN-A-HAUT BAYOU NEAR BEEKMAN					
NOV. 14, 1973.....	17.0	7.8	MAR. 19.....	18.0	4.6
DEC. 7.....	7.0	9.7	APR. 30.....	22.5	4.4
JAN. 29, 1974.....	13.0	--	JUNE 18.....	22.5	--
JAN. 31.....	10.0	8.8	AUG. 11.....	23.0	4.6
FEB. 21.....	12.0	--			
07364700 BAYOU DE LOUTRE NEAR LARAN					
NOV. 9, 1973.....	19.0	5.8	MAY 7.....	21.5	5.1
DEC. 5.....	16.0	7.6	JUNE 11.....	22.0	--
JAN. 16, 1974.....	10.0	9.1	AUG. 7.....	27.0	4.2
JAN. 29.....	16.0	7.2	SEPT. 10.....	22.0	6.2
MAR. 5.....	14.0	7.8			
07366200 LITTLE CORNEY BAYOU NEAR LILLIE					
NOV. 9, 1973.....	16.0	6.4	JUNE 4.....	23.0	4.9
DEC. 5.....	11.0	8.1	JUNE 11.....	23.0	--
JAN. 16, 1974.....	11.0	8.8	JUNE 12.....	23.5	--
MAR. 21.....	14.5	6.7	AUG. 7.....	28.0	--
MAY 7.....	21.5	5.4			

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
RED RIVER BASIN--Continued					
07367700 BOEUF RIVER NEAR ARKANSAS-LOUISIANA STATE LINE					
OCT. 3, 1973.....	25.0	8.2	OCT. 16.....	23.0	8.3
OCT. 15.....	23.0	8.4	MAR. 20, 1974....	17.0	8.0
07368000 BOEUF RIVER NEAR GIRARD					
OCT. 2, 1973.....	24.0	8.2	APR. 25.....	18.5	7.2
NOV. 12.....	17.0	7.4	JUNE 20.....	24.0	3.2
NOV. 29.....	18.0	6.1	AUG. 1.....	33.5	3.4
JAN. 22, 1974.....	16.0	8.1	SEPT. 25.....	--	--
MAR. 19.....	17.5	4.3			
08368500 BIG COLEWA BAYOU NEAR OAK GROVE					
NOV. 13, 1973.....	18.0	5.3	MAR. 20.....	18.5	7.0
DEC. 12.....	10.0	--	MAY 1.....	21.5	5.6
JAN. 30, 1974.....	13.0	--	MAY 19.....	24.0	--
JAN. 31.....	14.0	7.9	JULY 27.....	25.0	5.3
FEB. 6.....	12.0	--	JULY 29.....	31.5	--
FEB. 22.....	11.5	--	JULY 30.....	30.0	--
07369000 BAYOU LAFOURCHE NEAR CREW LAKE					
OCT. 2, 1973.....	25.0	7.5	JUNE 25.....	26.0	6.9
NOV. 12.....	16.5	6.7	JULY 12.....	33.0	--
NOV. 29.....	18.0	6.1	JULY 25.....	30.5	--
JAN. 22, 1974.....	16.5	7.4	AUG. 1.....	28.0	--
MAR. 4.....	13.5	--	AUG. 2.....	33.0	--
MAR. 19.....	16.5	4.9	AUG. 6.....	32.0	--
MAR. 21.....	14.5	--	AUG. 8.....	28.5	--
APR. 10.....	18.0	--	AUG. 26.....	29.5	--
APR. 25.....	18.0	7.6			
07369500 TENSAS RIVER AT TENDAL					
NOV. 15, 1973.....	18.0	7.0	MAR. 20.....	15.5	6.2
DEC. 13.....	17.5	7.3	APR. 24.....	18.0	7.0
JAN. 23, 1974.....	15.0	8.7	SEPT. 25.....	15.5	--
07370000 BAYOU MACON NEAR DELHI					
OCT. 26, 1973.....	21.0	8.2	APR. 24.....	18.0	7.2
NOV. 15.....	18.0	8.4	MAY 2.....	23.5	6.8
NOV. 27.....	20.0	8.9	MAY 28.....	24.0	5.3
DEC. 13.....	10.0	8.2	JUNE 20.....	24.0	--
JAN. 25, 1974.....	14.5	9.0	JULY 26.....	25.0	--
JAN. 31.....	13.0	9.1	JULY 30.....	32.5	--
FEB. 22.....	11.5	--	AUG. 26.....	29.5	--
MAR. 20.....	15.5	5.8	SEPT. 24.....	20.0	--
07372000 DUGDEMONA RIVER NEAR WINNFIELD					
NOV. 8, 1973.....	15.5	10.0	MAY 3.....	20.5	6.1
DEC. 13.....	9.0	7.6	JUNE 5.....	23.0	6.9
JAN. 31, 1973.....	10.5	8.0	JULY 23.....	27.0	5.6
MAR. 14.....	16.0	6.8	AUG. 26.....	18.0	7.3
07372200 LITTLE RIVER NEAR ROCHELLE					
OCT. 2, 1973.....	28.0	6.0	APR. 15.....	18.0	7.2
NOV. 13.....	13.0	8.1	MAY 2.....	20.0	8.4
NOV. 30.....	18.0	--	JUNE 4.....	25.5	6.0
DEC. 27.....	11.0	8.5	JULY 23.....	30.0	4.8
JAN. 31, 1974.....	13.0	8.6	AUG. 28.....	28.0	--
MAR. 13.....	20.0	5.1	SEPT. 25.....	20.0	7.6
MISSISSIPPI RIVER DELTA					
07373965 SOUTH CANAL NEAR BAKER					
NOV. 5, 1973.....	20.0	--	MAR. 6.....	21.0	5.0
NOV. 20.....	21.0	7.0	APR. 18.....	20.0	--
DEC. 12.....	10.0	9.1	JULY 10.....	27.0	4.6
FEB. 1, 1974.....	15.0	11.0			
07375000 TCHEFUNCTA RIVER NEAR FOLSOM					
OCT. 31, 1973.....	16.0	9.2	MAY 28.....	21.0	4.4
DEC. 17.....	10.0	11.4	JULY 10.....	23.8	--
JAN. 21, 1974.....	17.0	8.0	JULY 12.....	25.0	--
APR. 16.....	18.0	--	AUG. 12.....	27.0	--

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
MISSISSIPPI RIVER DELTA--Continued					
07375500 TANGIPAHOA RIVER NEAR ROBERT					
NOV. 1, 1973.....	18.0	--	JUNE 11.....	25.0	--
DEC. 11.....	10.0	--	JULY 10.....	25.0	--
JAN. 23, 1974.....	16.5	--	AUG. 15.....	26.0	--
FEB. 8.....	14.5	--	AUG. 16.....	26.0	--
MAR. 6.....	22.0	--	SEPT. 25.....	22.5	--
MAY 28.....	24.0	--	SEPT. 26.....	21.0	--
07376000 TICKFAW RIVER AT HOLDEN					
OCT. 31, 1973.....	16.0	--	JULY 11.....	24.0	--
DEC. 12.....	11.0	--	JULY 12.....	24.0	--
JAN. 21, 1974.....	16.0	--	AUG. 16.....	27.0	--
MAR. 5.....	19.5	--	AUG. 23.....	27.0	--
APR. 19.....	17.0	--	SEPT. 24.....	23.5	--
MAY 28.....	22.5	--			
07376500 NATALBANY RIVER AT BAPTIST					
OCT. 31, 1973.....	18.0	--	JUNE 7.....	27.0	--
DEC. 12.....	10.0	11.0	JUNE 13.....	25.0	--
MAR. 6, 1974.....	19.0	--	JULY 11.....	25.0	--
APR. 19.....	16.0	--	JULY 12.....	26.5	--
MAY 31.....	25.0	--	AUG. 19.....	25.0	--
07377000 AMITE RIVER NEAR DARLINGTON					
OCT. 30, 1973.....	16.0	--	MAY 17.....	25.0	--
DEC. 13.....	14.0	9.2	MAY 29.....	24.0	--
JAN. 31, 1974.....	14.5	9.6	JULY 9.....	28.0	--
MAR. 7.....	21.5	9.6	AUG. 14.....	28.0	8.9
MAY 3.....	22.0	--	SEPT. 24.....	20.0	20.5
MAY 7.....	21.5	--			
07377500 COMITE RIVER NEAR OLIVE BRANCH					
NOV. 20, 1973.....	18.0	8.5	APR. 19.....	19.0	8.7
DEC. 11.....	9.0	11.1	MAY 29.....	23.5	8.0
JAN. 30, 1974.....	14.0	9.5	JULY 9.....	25.0	7.8
MAR. 11.....	23.5	7.0	AUG. 8.....	24.5	7.5
APR. 10.....	20.5	--			
0737782 WHITE BAYOU SOUTHEAST OF ZACHARY					
NOV. 20, 1973.....	20.0	8.2	MAR. 6.....	20.0	4.9
DEC. 11.....	10.0	11.0	APR. 18.....	18.0	--
JAN. 25, 1974.....	14.0	--	JULY 9.....	27.0	5.2
07378000 COMITE RIVER NEAR COMITE					
NOV. 30, 1973.....	16.5	8.8	MAR. 5.....	22.0	4.5
DEC. 3.....	20.0	8.4	JULY 10.....	29.5	6.9
DEC. 18.....	10.5	11.8	AUG. 8.....	25.0	7.4
JAN. 18, 1974.....	18.0	--	SEPT. 23.....	21.5	9.0
JAN. 24.....	16.0	7.2			
07378500 AMITE RIVER NEAR DENHAM SPRINGS					
OCT. 29, 1973.....	20.0	8.5	JULY 15.....	--	--
DEC. 10.....	11.0	--	AUG. 19.....	29.5	--
JAN. 24, 1974.....	16.5	--	AUG. 26.....	29.0	--
07381800 SPRING CREEK NEAR GLENMORA					
OCT. 5, 1973.....	23.0	--	MAY 1.....	19.5	7.4
NOV. 15.....	19.5	8.3	JUNE 11.....	22.0	8.2
DEC. 17.....	10.5	9.7	JULY 15.....	22.0	7.7
JAN. 25, 1974.....	12.5	9.1	SEPT. 3.....	21.5	7.9
MAR. 12.....	21.0	8.6	SEPT. 23.....	19.0	9.4
07382000 BAYOU COCODRIE NEAR CLEARWATER					
OCT. 4, 1973.....	28.0	2.5	APR. 30.....	20.0	--
NOV. 21.....	17.0	5.2	JUNE 11.....	26.0	4.5
NOV. 28.....	19.5	3.8	JULY 18.....	28.0	4.6
DEC. 28.....	10.0	5.8	AUG. 30.....	24.0	--
JAN. 30, 1974.....	15.0	3.9	SEPT. 24.....	21.0	5.2
MAR. 12.....	20.5	5.1			

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
MISSISSIPPI RIVER DELTA--CONTINUED					
07382500 BAYOU COURTABLEAU AT WASHINGTON					
NOV. 8, 1973.....	19.5	--	JULY 18.....	21.0	--
JAN. 31, 1974.....	14.5	--	AUG. 15.....	22.0	--
APR. 17.....	17.0	--	SEPT. 23.....	24.5	--
MAY 20.....	21.0	--			
07383500 BAYOU DES GLAISES DIVERSION CHANNEL AT MOREAUVILLE					
OCT. 4, 1973.....	27.0	3.9	APR. 3.....	24.0	5.8
NOV. 2.....	18.0	--	APR. 26.....	20.0	5.0
NOV. 19.....	19.0	4.6	JUNE 12.....	26.0	5.0
JAN. 4, 1974.....	8.0	--	JULY 17.....	31.5	5.4
JAN. 16.....	9.0	--	AUG. 30.....	27.0	4.8
JAN. 29.....	15.0	5.6	SEPT. 24.....	22.0	5.8
MAR. 15.....	20.0	4.9			
07385500 BAYOU TECHE AT ARNAUDVILLE					
NOV. 9, 1973.....	19.0	--	MAY 20.....	21.5	--
DEC. 18.....	12.0	--	JULY 17.....	17.0	--
JAN. 22, 1974.....	17.0	--	AUG. 15.....	19.5	--
APR. 17.....	17.0	--	SEPT. 23.....	25.5	--
07385700 BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE					
FEB. 4, 1974.....	17.5	--	APR. 16.....	19.0	--
MERMENTAU RIVER BASIN					
08010000 BAYOU DES CANNES NEAR EUNICE					
NOV. 6, 1973.....	17.5	--	MAY 21.....	20.5	--
DEC. 18.....	10.5	--	JULY 16.....	21.0	--
JAN. 30, 1974.....	15.0	--	SEPT. 24.....	26.5	--
APR. 18.....	17.5	--			
08011500 BOGGY BAYOU NEAR PINE PRAIRIE					
OCT. 2, 1973.....	25.0	--	JUNE 5.....	22.0	6.6
NOV. 12.....	15.0	7.3	JUNE 26.....	20.5	--
JAN. 7, 1974.....	10.5	9.7	JULY 22.....	26.0	3.8
MAR. 14.....	15.0	5.6	AUG. 27.....	24.5	--
APR. 3.....	22.0	6.6	SEPT. 23.....	19.0	4.0
APR. 22.....	20.0	6.6			
08012000 BAYOU NEZPIQUE NEAR BASILE					
NOV. 2, 1973.....	19.5	--	MAY 22.....	21.5	--
DEC. 18.....	9.5	--	JULY 16.....	21.0	--
JAN. 30, 1974.....	15.5	--	SEPT. 24.....	23.5	--
APR. 18.....	21.5	--			
CALCASIEU RIVER BASIN					
08013000 CALCASIEU RIVER NEAR GLENMORA					
OCT. 5, 1973.....	25.0	6.6	MAR. 14.....	20.0	7.7
NOV. 15.....	17.0	7.7	MAY 1.....	20.0	7.4
NOV. 29.....	17.0	7.1	JULY 15.....	26.0	7.3
DEC. 17.....	10.0	8.9	AUG. 31.....	25.0	6.7
JAN. 18, 1974.....	11.5	--	SEPT. 23.....	21.0	8.0
FEB. 4.....	15.0	7.6			
08013500 CALCASIEU RIVER NEAR OBERLIN					
OCT. 3, 1973.....	28.0	--	JUNE 6.....	25.0	7.4
NOV. 19.....	18.0	--	JUNE 22.....	27.5	5.9
JAN. 10, 1974.....	13.0	7.9	JULY 25.....	27.5	5.8
JAN. 28.....	16.0	5.5	AUG. 28.....	27.0	6.0
MAR. 13.....	19.0	6.8	SEPT. 26.....	21.0	6.8
APR. 25.....	19.0	7.7			
08014500 WHISKY CHITTO CREEK NEAR OBERLIN					
OCT. 5, 1973.....	23.5	--	MAR. 13.....	21.0	7.8
NOV. 12.....	17.0	8.6	APR. 25.....	18.0	9.2
JAN. 10, 1974.....	13.0	8.1	JUNE 6.....	23.0	8.4
FEB. 7.....	15.0	6.0	SEPT. 23.....	20.0	8.8

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
CALCASIEU RIVER BASIN--Continued					
08014800 BUNDICK CREEK NEAR DE RIDDER					
OCT. 4, 1973.....	22.0	--	APR. 24.....	18.5	8.4
NOV. 13.....	16.0	8.0	JUNE 3.....	23.0	10.6
JAN. 9, 1974.....	13.0	7.1	JULY 23.....	26.0	7.6
FEB. 5.....	15.0	5.6	AUG. 30.....	24.0	6.7
MAR. 13.....	21.0	6.7	SEPT. 25.....	20.0	--
08015500 CALCASIEU RIVER NEAR KINDER					
NOV. 13, 1973.....	19.5	--	MAY 21.....	21.0	--
DEC. 17.....	11.0	9.2	JULY 18.....	21.0	--
JAN. 29, 1974.....	16.0	--	AUG. 23.....	28.0	--
APR. 24.....	21.0	--	SEPT. 25.....	22.5	--
08016400 BECKWITH CREEK NEAR DE QUINCY					
NOV. 1, 1973.....	17.0	--	MAY 16.....	22.0	--
DEC. 12.....	10.5	--	SEPT. 25.....	21.5	--
JAN. 28, 1974.....	19.0	--			
08016800 BEAR HEAD CREEK NEAR STARKS					
OCT. 30, 1973.....	17.0	--	MAY 16.....	22.0	--
DEC. 12.....	11.0	--	AUG. 22.....	28.0	--
JAN. 29, 1974.....	15.0	--	SEPT. 25.....	22.0	--
SABINE RIVER BASIN					
08022765 BAYOU CASTOR NEAR FUNSTON					
OCT. 4, 1973.....	23.0	7.0	MAR. 8.....	19.0	--
NOV. 14.....	17.0	4.0	APR. 24.....	20.0	8.0
DEC. 11.....	8.5	--	JUNE 4.....	22.0	6.3
JAN. 30, 1974.....	11.0	9.1	JULY 16.....	23.0	4.6
FEB. 22.....	11.5	10.2	AUG. 28.....	25.0	3.8
FEB. 23.....	8.0	11.2	SEPT. 27.....	18.0	8.2
FEB. 24.....	10.0	6.4			
08025500 BAYOU TORO NEAR TORO					
OCT. 3, 1973.....	24.0	5.8	APR. 23.....	18.0	--
NOV. 15.....	17.0	1.9	JUNE 3.....	23.0	6.6
DEC. 12.....	9.0	--	JULY 19.....	23.0	--
JAN. 25, 1974.....	10.0	10.4	AUG. 26.....	25.0	4.8
MAR. 13.....	20.0	4.7	SEPT. 25.....	20.0	6.8
MAR. 25.....	12.5	--			
08028000 BAYOU ANACOCO NEAR ROSEPINE					
OCT. 3, 1973.....	24.0	--	APR. 24.....	22.0	9.4
NOV. 14.....	17.0	8.8	JUNE 4.....	25.0	7.9
JAN. 8, 1974.....	10.0	11.2	JULY 24.....	28.0	6.9
FEB. 6.....	14.5	5.0	AUG. 29.....	27.0	7.3
MAR. 12.....	15.0	7.8	SEPT. 24.....	21.0	8.7
08028700 HOOSIER CREEK NEAR MERRYVILLE					
OCT. 3, 1973.....	28.0	--	APR. 24.....	18.0	8.5
NOV. 14.....	20.0	7.2	JUNE 4.....	22.0	7.5
JAN. 9, 1974.....	14.0	6.3	JULY 24.....	23.5	6.7
FEB. 6.....	15.0	1.3	AUG. 30.....	23.0	6.9
MAR. 12.....	21.0	7.0	sept. 24.....	20.0	7.8

INDEX

	PAGE		PAGE
ABINGTON, BAYOU PIERRE NEAR	210	HAYOU CARRON AT WASHINGTON	214
ABITA RIVER NORTH OF ABITA SPRINGS	200,205	HAYOU CASTOR (TRIBUTARY TO SAHINE RIVER)	
ABITA SPRINGS, ABITA RIVER NORTH OF	200,205,371-378	AT MOUTH NEAR LOGANSPOIT	202
ACCURACY OF SURFACE-WATER DATA	14	NEAR FUNSTON	181-184,467
ACME, LARTO LAKE AT DAM, NEAR	77	NEAR LOGANSPOIT	185,186
ACRE-FOOT, DEFINITION OF	2	NEAR LONGSTREET	202
ALBANY, LITTLE NATALBANY RIVER AT	201	HAYOU CHENE NEAR WELSH	214
HICKORY BRANCH NEAR	201	HAYOU CHOUURANT NEAR CALHOON	199
ALEXANDRIA, BAYOU RAPIDES AT CONTROL STRUCTURE, AT	211	BAYOU COCODRIE NEAR CLEARWATER	148,149,465
BAYOU RAPIDES-BOEUF-COCODRIE DIVERSION CHANNEL AT	214	BAYOU COURTAISLEAU AT WASHINGTON	150,151,466
BAYOU RAPIDES-BOEUF-COCODRIE DIVERSION CHANNEL AT		HAYOU D'ARBONNE LAKE AT FARMERVILLE	92
STATE HIGHWAY 488, NEAR	214	NEAR FARMERVILLE	204
BAYOU RAPIDES-BOEUF-COCODRIE DIVERSION CHANNEL AT		BAYOU D'ARBONNE AT HOMER	199
U.S. HIGHWAY 165, NEAR	214	BAYOU DE LOUTRE, NEAR FARMERVILLE	199
BAYOU RAPIDES NEAR	211	NEAR LARAN	87,88,463
HORSESHOE DRAINAGE CANAL AT PACKING HOUSE ROAD, AT	214	HAYOU DES CANNES NEAR EUNICE	160,466
HYNSON BAYOU AT BRINGHURST PARK, AT	214	BAYOU DES GLAISES DIVERSION CHANNEL	152,153,466
HYNSON BAYOU AT MIDWAY STREET, AT	214	AT MOREAUVILLE	50,51,462
PERSIMMON BAYOU NEAR	214	RAYOU DORCHEAT, NEAR MINDEN	46,47,462
RED RIVER AT	76,223,254-258	NEAR SPRINGHILL	213
ALOMA, NANTACHIE LAKE NEAR	70-73	BAYOU DUPLANIER AT LEE DRIVE, AT BATON ROUGE	213
ALTO, BAYOU LAFOURCHE NEAR	103	HAYOU FOUNTAIN, AT BEN HUR ROAD, AT BATON ROUGE	213
AMITE RIVER, AT GRANGEVILLE	211	AT GARDEME LANE, NEAR BATON ROUGE	213
AT 4-M CAMP NEAR DENHAM SPRINGS	138,311-317,461	THIRUTARY NEAR BATON ROUGE	213
AT MAGNOLIA	201	HAYOU FRANCOIS, AT GONZALES	214
NEAR BATON ROUGE	213	BAYOU LACCASINE NEAR LAKE ARTHUR	207,214
NEAR DARLINGTON	130,131,465	BAYOU LACOMBE NEAR LACOMBE	371-378
NEAR DENHAM SPRINGS	136,137,465	BAYOU LAFOURCHE (TRIBUTARY TO BOEUF RIVER)	
ANALYSES OF SAMPLES COLLECTED ON LAKE PONTCHARTRAIN	441-455	NEAR ALTO	103
ANACOCO LAKE NEAR PICKERING	208	NEAR CREW LAKE	101,102,464
ANTOINE CREEK NEAR ASHLAND	199	BAYOU LAFOURCHE (TRIBUTARY TO GULF OF MEXICO)	
ARCADIA SUGAR CREEK NEAR	199	AT DONALDSONVILLE	139,140,461
ARCOLA, TANGIPAHOA RIVER AT	211	AT GOLDEN MEADOW	143
ARKANSAS-LOUISIANA STATE LINE, BOEUF RIVER NEAR	94,95,464	AT LAROSE	320,321
OUACHITA RIVER NEAR	78,79,463	AT THIBODAUX	141,461
ARNAUDVILLE, BAYOU TECHE AT	155,156,466	AT VALENTINE	142,318,319
ASHLAND, ANTOINE CREEK NEAR	199	BAYOU MACON, NEAR DELHI	111,112,464
ATCHAFALAYA BAY STUDY	397-412	NEAR KILBOJHNE	109,110
ATCHAFALAYA RIVER AT EUGENE ISLAND	386,387	BAYOU MANCHAC AT MOUTH, NEAR PORT VINCENT	214
AT SIMMESPORT	225,332,333	BAYOU MARTEAU NEAR ROCK HILL	204,211
ATCHAFALAYA RIVER BASIN STUDY	413-439	BAYOU NA HONCHASSE NEAR MANSFIELD	199
AYCOCK, LAKE CLAIBORNE NEAR	89	BAYOU NEZPIQUE NEAR BASILE	163,164,466
		AT MAMOU PUMPING PLANT, NEAR BASILE	165
BAKER, BAKER CANAL AT	211	BAYOU PIERRE, AT EVELYN	210
BAKER CANAL NEAR	211	AT FORBING	210
SOUTH CANAL NEAR	211,464	AT SHREVEPORT	210
CYPRESS BAYOU AT	211	NEAR ABINGTON	210
BAKER CANAL, AT BAKER	211	NEAR LAKE END	210
NEAR BAKER	211	NEAR ROBSON	210
BANCROFT, BRUSHY CREEK AT	202	BAYOU PLAQUEMINE BRULE NEAR CROWLEY	214
BAPTIST, NATALBANY RIVER AT	128,129,465	BAYOU RAPIDES, AT CONTROL STRUCTURE, AT ALEXANDRIA	211
BASILE, BAYOU NEZPIQUE NEAR	163,164,466	NEAR ALEXANDRIA	211
BAYOU NEZPIQUE AT MAMOU PUMPING PLANT, NEAR	165	BAYOU RAPIDES-BOEUF-COCODRIE DIVERSION CHANNEL	
BATON ROUGE, AMITE RIVER NEAR	213	AT ALEXANDRIA	214
BAYOU DUPLANIER AT LEE DRIVE, AT	213	AT STATE HIGHWAY 488, NEAR ALEXANDRIA	214
BAYOU FOUNTAIN AT BEN HUR ROAD, AT	213	AT U.S. HIGHWAY 165, NEAR ALEXANDRIA	214
BAYOU FOUNTAIN AT GARDEME LANE, NEAR	213	BAYOU SCIE AT ZWOLLE	202
BAYOU FOUNTAIN TRIBUTARY NEAR	213	BAYOU TECHE, AT ARNAUDVILLE	155,156,466
BEAVER BAYOU AT DENHAM ROAD	212	AT KEYSTONE LOCK, NEAR ST. MARTINVILLE	157,158,466
BEAVER BAYOU AT WAX ROAD	212	AT OLIVIER	340-343
BLACKWATER BAYOU NEAR	212	BAYOU TORO NEAR TORO	189,190,467
CLAY CUT BAYOU AT SIEGEN LANE, NEAR	213	SOUTH OF TORO	207
COMITE RIVER AT COMITE DRIVE, NEAR	211	BEAR CREEK NEAR PACKTON	200
COMITE RIVER AT GREENWELL SPRINGS ROAD, NEAR	212	BEAR HEAD CREEK NEAR STARKS	178,179,467
CORPORATION CANAL AT CAMPUS DR., AT	213	BEAUCOUP CREEK NEAR COTTON PLANT	200
CORPORATION CANAL AT CHIMES ST., AT	213	BEAVER BAYOU AT DENHAM ROAD	
CORPORATION CANAL AT OKLAHOMA ST., AT	213	NEAR BATON ROUGE	212
CORPORATION CANAL AT ROOSEVELT ST., AT	213	AT WAX ROAD, NEAR BATON ROUGE	212
CORPORATION CANAL AT STANFORD AVE., AT	213	BEAVER CREEK NEAR KENTWOOD	206
CYPRESS BAYOU AT HOOPER ROAD, NEAR	213	BECKWITH CREEK NEAR DEQUINCY	176,177,467
CYPRESS BAYOU AT PLANK ROAD, NEAR	212	BEDICO CREEK NEAR MADISONVILLE	206,379-385
DAWSON CREEK AT PERKINS ROAD, AT	213	BEECH CREEK NEAR OLLA	200
DAWSON CREEK AT STARKING LANE, NEAR	213	BEEKMAN, BAYOU BARTHOLOMEW NEAR	86
HURRICANE CREEK AT	212	CHEMIN-A-HAUT BAYOU NEAR	84,85,463
HURRICANE CREEK NEAR	212	RENTON, CYPRESS BAYOU NEAR	55,56,463
JONES CREEK AT AIRLINE HIGHWAY, AT	212	BIENVILLE, SALINE BAYOU NEAR	202
JONES CREEK AT FLORIDA BOULEVARD, AT	212	RIG BRUSHY CREEK NEAR PITKIN	202
JONES CREEK AT OLD HAMMOND HIGHWAY, NEAR	212	RIG COLEWA BAYOU NEAR OAK GROVE	93,99,464
JONES CREEK NEAR WOODLAWN SCHOOL, NEAR	212	NEAR PIONEER	100
LIVELY BAYOU EAST OF	212	BIG CREEK (TRIB. TO LITTLE RIVER) AT POLLOCK	118,119,273-275,461
LIVELY BAYOU NORTHEAST OF	212	BIG CREEK (TRIBUTARY TO TANGIPAHOA RIVER)	
LIVELY BAYOU SOUTHEAST OF	212	NEAR AMITE	206,379-385
MISSISSIPPI RIVER AT	205	BIOCHEMICAL OXYGEN DEMAND, DEFINITION OF	2
NORTH BRANCH WARD CREEK AT	213	BLACK BAYOU (TRIBUTARY TO BLACK BAYOU LAKE)	
NORTH BRANCH WARD CREEK AT GOODWOOD BOULEVARD, AT	213	NEAR GILLIAM	360
ROBERTS CANAL AT	212	NEAR RODESSA	203
ROBERTS CANAL NEAR	212	SOUTHWEST OF HOUSTON	203
WARD CREEK AT COLLEGE DRIVE, AT	213	BLACK BAYOU (TRIBUTARY TO CASTOR CREEK) AT KELLY	199
WARD CREEK AT SIEGEN LANE, NEAR	213	BLACK BAYOU (TRIBUTARY TO BAYOU DORCHEAT) AT LETON	198
WEINER CREEK NEAR	212	BLACK LAKE BAYOU NEAR CASTOR	199
WHITE BAYOU NEAR	211	NEAR CLARENCE	64-66
BAYOU ANACOCO, NEAR KNIGHT	353	NEAR MINDEN	199
NEAR ROSEFINE	192,193,370,467	SOUTHEAST OF COUSHATTA	199
BAYOU BARTHOLOMEW, NEAR BEEKMAN	86	SOUTHWEST OF ASHLAND	199
NEAR JONES	81,82,463	BLACK LAKE CREEK AT GIBSLAND	199
NORTHWEST OF JONES	83	BLACK CYPRESS BAYOU NORTHEAST OF JEFFERSON, TEX.	203

INDEX

	PAGE		PAGE
BLACKWATER BAYOU NEAR BATON ROUGE	212	CLEAR LAKE NEAR CLARENCE	204
BLACKWELL CREEK AT MANY	202	CLEARWATER, BAYOU COCODRUE NEAR	148,149,465
BLOND RIVER NEAR SPRINGFIELD	201	COCODRUE LAKE NEAR	147
BOGALUSA BAYOU, NEAR SAREPTA	53,54,362,452	CLIFTON, SILVER CREEK NEAR	198
BOGUE RIVER, NEAR ARKANSAS-LOUISIANA STATE LINE	94,95,464	CLINTON, COMITE RIVER NEAR	211
NEAR GIRARD	96,97	SANDY CREEK SOUTHEAST OF	201
BOGALUSA, BOGUE LUSA CREEK AT STATE		CLOUTIERVILLE, CANE RIVER NEAR	211
HIGHWAY 21, AT	198,462	COHURN CREEK, AT AUSTIN STREET, AT BOGALUSA	209
BOGUE LUSA CREEK, AT STATE HIGHWAY 60, AT	209	AT MEMORIAL DRIVE, AT BOGALUSA	209
AT STATE HIGHWAY 434, AT	32-34	AT POPLAR STREET, AT BOGALUSA	209
AT RICHMOND ST., AT	209	COHURN CREEK, AT STATE HIGHWAY 10, AT BOGALUSA	209
COHURN CREEK, AT AUSTIN STREET, AT	209	AT STATE HIGHWAY 21, AT BOGALUSA	198
AT MEMORIAL DRIVE, AT	209	COCODRUE LAKE NEAR CLEARWATER	147
AT POPLAR STREET, AT	209	CULTIFORM ORGANISMS, DEFINITION OF	3
AT STATE HIGHWAY 10, AT	209	COLLECTION AND COMPUTATION OF SURFACE-WATER DATA	9
AT STATE HIGHWAY 21, AT	198	COLLECTION AND EXAMINATION OF WATER-QUALITY DATA	15
PEARL RIVER NEAR	30,31,228,232,462	COLLUTIT, MIDDLE FORK BAYOU D'ARBOIS NEAR	199
BOGGY BAYOU (HAYOU NEZ/PIQUE BASIN)		COMITE, COMITE RIVER NEAR	134,135,465
NEAR PINE PHALIE	161,162,466	COMITE RIVER, AT COMITE DRIVE, NEAR BATON ROUGE	211
BOGGY BAYOU (REI) RIVER BASIN, AT WOODWORTH ROAD,		AT GREENWELL SPRINGS ROAD, NEAR BATON ROUGE	212
NEAR KEITHVILLE	198,463	NEAR CLINTON	211
NEAR KEITHVILLE	58,59	NEAR COMITE	134,135,465
BOGUE CHITTO AT FNON	209	NEAR OLIVE BRANCH	132,133,465
NEAR HUSH	36,37,354,462	NEAR ZACHARY	211
NEAR TYLETOWN, MISS	35,218	CONTENTS, DEFINITION OF	3
BOGUE FALAYA AT COVINGTON	200,205,371,378	CONTROL, DEFINITION OF	3
NEAR FULSON	371-378	CONVERSION FACTORS FROM ENGLISH UNITS TO	
BOGUE LUSA CREEK, AT STATE HIGHWAY 21, AT BOGALUSA	198,462	INTERNATIONAL SYSTEM UNITS	24
AT STATE HIGHWAY 60, AT BOGALUSA	209	COOPERATION, RECORD OF	2
AT STATE HIGHWAY 434, AT BOGALUSA	32-34	CORNEY BAYOU NEAR LILLIE	199,204
AT RICHMOND STREET, AT BOGALUSA	209	CORPORATION CANAL, AT CAMPUS DR., AT BATON ROUGE	213
HON WIEK, TEX., SABINE RIVER NEAR	194	AT CHIMES ST., AT BATON ROUGE	213
ROONE CREEK NEAR DOYLENE	209	AT OKLAHOMA ST., AT BATON ROUGE	213
ROSSIER CITY, MACKS BAYOU AT	209	AT ROOSEVELT, AT BATON ROUGE	213
MACKS BAYOU AT NORTH GATE ROAD, AT	209	AT STANFORD AVE., AT BATON ROUGE	213
MACKS BAYOU TRIBUTARY NO. 2 AT	209	COTTON PLANT, BEAUCOUP CREEK NEAR	200
MACKS BAYOU TRIBUTARY NO. 3 AT	209	COTTON VALLEY, IVAN LAKE NEAR	209
HOYCE, RED RIVER AT	247-253	COUSHATTA BAYOU NEAR CRICHTON	210
HUSH BAYOU, AT SHREVEPORT	210	COUSHATTA, GRAND BAYOU NEAR	62,63,463
TRIBUTARY NO. 2 AT SHREVEPORT	198	GRAND BAYOU SOUTHEAST OF	203
NEAR SHREVEPORT	198	RED RIVER AT	244,245
HUSHY BAYOU AT TALLULAH	105	COVINGTON, BOGUE FALAYA AT	200
HUSHY CREEK (TRIBUTARY TO LAKE BISITINEAU)		CHEST-STAGE PARTIAL-RECORD STATIONS	198-202
NEAR SIBLEY	203	CREW LAKE, BAYOU LAFOURCHE NEAR	101,102,464
HUSHY CREEK (TRIBUTARY TO SABINE) AT BANCROFT	202	CRICHTON, COUSHATTA BAYOU NEAR	210
NEAR HORNBECK	207	CROSS BAYOU NEAR SHREVEPORT	203
HUSHY CREEK (TRIBUTARY TO DUGDEMONA RIVER)		CROSS LAKE AT SHREVEPORT	203,356
NEAR JOYCE	200	CROWLEY, BAYOU PLAQUEMINE BRULE NEAR	214
HULL BAYOU NEAR HUNTER	202	CUBIC FEET PER SECOND, DEFINITION OF	3
HUNDICK CREEK NEAR DE RIDDER	172,173,467	CUBIC FEET PER SQUARE MILE, DEFINITION OF	3
NEAR DRY CREEK	207	CYPRESS BAYOU (HEAD OF BAKER CANAL), AT BAKER	211
HURKEVILLE, TEX., SABINE RIVER AT TOLEDO BEND,		AT HOOPER ROAD, NEAR BATON ROUGE	212
NEAR	188	AT PLANK ROAD, NEAR BATON ROUGE	212
SABINE RIVER BELOW TOLEDO BEND NEAR	191	CYPRESS BAYOU (TRIBUTARY TO BOGALUSA BAYOU)	
TOLEDO BEND PRESERVOIR NEAR	187	NEAR BENTON	55,56,463
HURR FERRY, PEARL CREEK AT STATE HIGHWAY 111, AT	202	CYPRESS BAYOU (TRIBUTARY TO WALLACE BAYOU)	
SANDY CREEK NEAR	215	NEAR KEITHVILLE	198
HUSH, BOGUE CHITTO NEAR	36,37,354,462	CYPRESS BAYOU (TRIBUTARY TO DUGDEMONA RIVER)	
		AT QUITMAN	200
CADDO LAKE ABOVE DAM NEAR MOORINGSPOINT	358	CYPRESS BAYOU (TRIBUTARY TO BAYOU D'ARBOIS LAKE)	
CAESAR CREEK AT CHESTON	204	NEAR DOWNSVILLE	204
CALCASIEU PASS AT ST. JOHNS ISLAND	395,396	NEAR FARMERVILLE	205
CALCASIEU RIVER AT MILE 40	393,394	NEAR UNIONVILLE	204
NEAR GLENMOHA	166,167,368,466	NEAR VIXEN	199
NEAR KINDER	174,175,369,467		
NEAR OBERLIN	168,169,466	DAHLINGTON, AMITE RIVER NEAR	130,131,465
NEAR SLAGE	215	DATA, OTHER AVAILABLE	15
CALHOUN, BAYOU CHOUDRANT NEAR	199	DANSON CREEK, AT PERKINS ROAD, AT BATON ROUGE	213
CALUMET, WAX LAKE OUTLET AT	212,213,334,336,460	AT STARKING LANE, NEAR BATON ROUGE	213
CAMP CREEK NEAR BERNICE	204	DEAR CREEK NEAR DE RIDDER	207
CANE RIVER NEAR CLOUTIERVILLE	211	DEFINITION OF TERMS	2
CANEY CREEK (TRIBUTARY TO ANACOCO LAKE)		DEGREES FAHRENHEIT TO DEGREES CELSIUS	18
NEAR LEESVILLE	208	DELHI, BAYOU MACON NEAR	111,112,464
CANEY CREEK (TRIBUTARY TO BAYOU BEAUCOUP)		DENHAM SPRINGS, AMITE RIVER NEAR	136,137,465
NEAR CHATHAM	199	AMITE RIVER AT 4-H CAMP NEAR	138,311-317,461
CASTON, BLACK LAKE BAYOU NEAR	199	DE QUINCY, BECKWITH CREEK NEAR	176,177,467
KEPLER LAKE NEAR	210,246	DE RIDDER, HUNDICK CREEK NEAR	172,173,467
CASTOP CREEK NEAR OBEPLIN	201	FLAT CREEK NEAR	202
CFS-DAY, DEFINITION OF	2	DISCHARGE, DEFINITION OF	3
CHAPPEPELLA CREEK, NEAR HUSSER	200	DISSOLVED OXYGEN, DEFINITION OF	3
NEAR ROBERT	206,379-385	DIXIE, TWELVEMILE BAYOU BELOW	209
SOUTHEAST OF LOHANGER	200	TWELVEMILE BAYOU NEAR	42-44,462
CHATHAM, CANEY CREEK NEAR	199	DOUSON, DUGDEMONA RIVER NEAR	211
CHATTIN LAKE CANAL NEAR LECOMPT	214	DONALDSONVILLE, BAYOU LAFOURCHE AT	139,140,461
CHEMICAL OXYGEN DEMAND, DEFINITION OF	3	DOWNSIDE ORDER AND STATION NUMBERS	8
CHEMIN-A-HAUT BAYOU NEAR BECKMAN	84,85,463	DRAINAGE AREA, DEFINITION OF	4
CHENIERE, NORTH CHENIERE CREEK AT	199	DRAKES CREEK NEAR PITKIN	201
CHICKASAW CREEK NEAR OLLA	200	DRY BRANCH NEAR DE RIDDER	207
CHOCTAW CREEK NEAR HOUGE	200	DRY CREEK AT DRY CREEK	202
CLARENCE, BLACK LAKE BAYOU NEAR	64-66	DRY CREEK, DRY CREEK AT	202
SALINE BAYOU AT ALLEN DAM, NEAR	210	DUGDEMONA RIVER NEAR DOUSON	211
SALINE BAYOU NEAR	67-69	NEAR JONESBORO	113,203
SALINE LAKE NEAR	210	NEAR QUITMAN	200
CLARK BAYOU NEAR KOHAN	203	NEAR WINFIELD	114,115,365,464
CLAY CUT BAYOU, AT STEEN LANE, NEAR BATON ROUGE	213	DULAC, HOUMA NAVIGATION CANAL AT	322-331
NEAR HOPE VILLA	213	DYER CREEK NEAR GARDNER	204

	PAGE		PAGE
DIYSON CREEK NEAR PULLUCK	200	JONES CREEK, AT AIRLINE HIGHWAY, AT BATON ROUGE....	212
EAST ANACOCO CREEK NEAR ANACOCO	208	AT FLORIDA BOULEVARD, AT BATON ROUGE.....	212
ELIZABETH, TENMILE CREEK NEAR	202	AT OLD HAMMOND HIGHWAY, NEAR BATON ROUGE.....	212
FLM GROVE, FLAT RIVER NEAR	209	NEAR WOODLAWN SCHOOL, NEAR BATON ROUGE.....	212
RED CHUTE BAYOU NEAR	210	JONESBORO, DUGDEMONA RIVER NEAR.....	113
SWAN LAKE NEAR	210	JOYCE, BRUSHY CREEK NEAR.....	200
FNON, BOGUE CHITTO AT	209		
EUNICE, BAYOU DES CANNES NEAR	160,466	KEITHVILLE, BUGGY BAYOU AT WOOLWORTH ROAD, NEAR....	198
EVANS, RED BANK CREEK AT	202	BUGGY BAYOU NEAR.....	58,59,463
EVELYN, BAYOU PIERRE AT	210	CYPRESS BAYOU NEAR.....	198
		KELLY BAYOU NEAR HOUSTON.....	359
FACTORS FOR CONVERSIONS OF CHEMICAL CONSTITUENTS	5	NEAR IDA	198
FARMERVILLE, BAYOU DIARRHONNE LAKE AT	92	KELLY, BLACK BAYOU AT.....	199
BAYOU DE LOUTHRE NEAR	199	KENTWOOD, TANGIPAHOA RIVER NEAR.....	200
STONE CREEK NEAR	199	TERRY'S CREEK NEAR.....	200
FERRIDAY, LAKE CONCORDIA NEAR	121	KEPLER CREEK AT SPARTA.....	199
FLAT CREEK (TRIBUTARY TO BUNDICK CREEK)		KEPLER LAKE NEAR CASTOR.....	210,246
NEAR DE WIDDER	202	KERNAN, HICKORY BRANCH AT.....	202
FLAT CREEK (TRIBUTARY TO CASTOR CREEK)		KILBOURNE, BAYOU MACON NEAR.....	109,110
NEAR ULLA	200	KINDER, CALCASIEU RIVER NEAR.....	174,175,369,467
NEAR SIKES	200	KISATCHIE BAYOU AT KISATCHIE.....	199
FLAT LICK BAYOU NEAR LEON	48,49,462	KISATCHIE, KISATCHIE BAYOU AT.....	199
FLAT RIVER, AT TAYLORTOWN	200	LITTLE SANDY CREEK AT.....	74,75,463
NEAR ELM GROVE	200	KITCHEN CREEK BELOW SMITHLAND, TEX.....	203
FLOCTAW CREEK NEAR LACAMP	201	KNIGHT, BAYOU ANACOCO NEAR.....	154
FLUO-PROFILE PARTIAL-RECORD STATIONS	209-215	KNOTZ SPRINGS, STATE CANAL NEAR.....	201
FOLSOM, TCHEFUNCTA RIVER NEAR	122,123,464	LACAMP, FLOCTAW CREEK NEAR.....	214
FURRING, BAYOU PIERRE AT	210	LAFAYETTE, VERMILION RIVER AT STATE HWY. 3073, NR.....	344-350
FRANKLINTON, HAYS CREEK NEAR	198	LAKE ARTHUR, BAYOU LACASSINE NEAR.....	214
LAWRENCE CREEK NEAR	198	LAKE BISTINEAU NEAR RINGGOLD.....	52
FRENCH BRANCH NEAR SLIDELL.....	209	LAKE CLAIBORNE NEAR AYCOCK.....	89,24
FRIERSON, RAMBIN BAYOU NEAR	198	LAKE CONCORDIA NEAR FERRIDAY.....	121
FUNSTON, BAYOU CASTOR NEAR	181-184,467	LAKE FND, BAYOU PIERRE NEAR	210
		LAKE PONTCHARTRAIN, ANALYSES OF SAMPLES COLL. ON.....	441-455
GAGE HEIGHT, DEFINITION OF	4	AT GNO EXPRESSWAY BRIDGE NEAR NEW ORLEANS.....	451-452
GAGING STATION, DEFINITION OF.....	4	AT INH CANAL AT NEW ORLEANS.....	453-454
GIBSLAND, BLACK LAKE CREEK NEAR.....	199	AT MOUTH OF BAYOU LACOMBE.....	449,450
GILLIAM, BLACK BAYOU NEAR	360	AT MOUTH OF TANGIPAHOA RIVER.....	446,449
GIRARD, BOEUF RIVER NEAR	96,97	AT MOUTH OF TCHEFUNCTA RIVER.....	445,446
GLENORA, CALCASIEU RIVER NEAR	168,169,368,466	AT PASS MANCHAC.....	448,449
SPRING CREEK NEAR	144-146,465	LAKE PROVIDENCE, LAKE PROVIDENCE AT.....	104
GOLDEN MEADOW, BAYOU LAFOURCHE AT	143	LAKE ST. JOHN NEAR WATERPROOF.....	120
GONZALES, BAYOU FRANCOIS AT.....	214	LANIER CREEK NEAR LORANGER.....	200
NEW RIVER AT	214	LAHAN, BAYOU DE LOUTHRE NEAR.....	87,88,463
GRAND BAYOU NEAR COUSHATTA	62,63,463	LAHOSE, BAYOU LAFOURCHE AT.....	320,321
SOUTHEAST OF COUSHATTA	203	LARTO LAKE AT DAM, NEAR ACME.....	77
GRAND LAKE NORTHEAST OF CATFISH POINT.....	391,392	LAWRENCE CREEK NEAR FRANKLINTON.....	198
GRANGEVILLE, AMITE RIVER AT.....	211	LECOMPT, CHATLIN LAKE CANAL NEAR.....	214
GRAY BRANCH NEAR ROUSSIER.....	203	LEESVILLE, PRAIRIE CREEK NEAR.....	202,208
GRAYSON BAYOU NEAR FORT NECESSITY.....	205	LETON, BLACK BAYOU AT.....	198
GREENWOOD, PAW PAW BAYOU NEAR	40,41,355,462	FLAT LICK BAYOU NEAR.....	48,49,462
		LILLIE, CORNEY BAYOU NEAR.....	199
HAILE, OUACHITA RIVER AT ALABAMA LANDING NEAR.....	80	LITTLE CORNEY BAYOU NEAR.....	90,91,463
HARDNESS, DEFINITION OF.....	4	LITTLE BAYOU DE LOUTHRE NEAR TRUXNO.....	204
HARRISON BAYOU NEAR KARNACK, TEX.	203	LITTLE CORNEY BAYOU NEAR LILLIE.....	90,91,463
HAYS CREEK NEAR FRANKLINTON	198	LITTLE CYPRESS BAYOU, AT PLAIN DEALING.....	210
HEMPHILL CREEK NEAR GARDNER	204	AT STATE HIGHWAY 3, AT PLAIN DEALING.....	210
HICKORY BRANCH NEAR ALBANY	201	TRIBUTARY, AT PLAIN DEALING.....	210
HICKORY BRANCH AT KERNAN	202	LITTLE DUGDEMONA RIVER NEAR HODGE.....	200
HODGE, CHOCTAW CREEK NEAR	200	LITTLE NATALBANY RIVER AT ALBANY.....	201
LITTLE DUGDEMONA RIVER NEAR	200	NEAR ALBANY.....	206,379-385
HOLDEN, TICKFAW RIVER AT	136,127,367,465	LITTLE RIVER AT ROCHELLE.....	162
HOMER, BAYOU DIARRHONNE AT	199	NEAR ROCHELLE.....	117,270-272,464
HOOSIER CREEK NEAR MERRYVILLE.....	195,196,467	LITTLE SANDY CREEK AT KISATCHIE.....	74,75,463
HOPE VILLA, CLAY CUT BAYOU NEAR.....	213	LITTLE SIMILE CREEK NEAR PITKIN.....	201
HORNBACK, WEST ANACOCO CREEK NEAR.....	202	LITTLE TURKEY CREEK TRIBUTARY NEAR JIGGER.....	205
HORSESHOE DRAINAGE CANAL AT PACKING HOUSE ROAD, AT		LIVELY BAYOU EAST OF BATON ROUGE.....	212
ALEXANDRIA	214	NORTHEAST OF BATON ROUGE.....	212
HOUSTON, KELLY BAYOU NEAR.....	359	SOUTHEAST OF BATON ROUGE.....	212
RED RIVER NEAR.....	39,233-241	LIVERPOOL, TICKFAW RIVER AT.....	201
HOUMA NAVIGATION CANAL AT DULAC.....	322-331	LOGANSPORT, BAYOU CASTOR AT MOUTH NEAR.....	202
HUNTER, BULL BAYOU NEAR	202	BAYOU CASTOR NEAR.....	185,186
HURRICANE CREEK, AT BATON ROUGE.....	212	SABINE RIVER AT.....	180
NEAR BATON ROUGE.....	212	LOGGY BAYOU NEAR NINOCK.....	57
HUSSEY, CHAPPEPEELA CREEK NEAR.....	200	SOUTHWEST OF NINOCK.....	203
HYDROLOGIC BENCH-MARK STATION, DEFINITION OF.....	7	LONGSTREET, BAYOU CASTOR NEAR.....	202
HYNSON BAYOU, AT BRINGHURST PARK, AT ALEXANDRIA.....	214	LORANGER, LANIER CREEK NEAR.....	200
AT MIDWAY STREET, AT ALEXANDRIA.....	214	CHAPPEPEELA CREEK SOUTHWEST OF.....	201
		LOWER ATCHAFALAYA RIVER AT MORGAN CITY.....	207,337-339,460
IDA, KELLY BAYOU NEAR.....	198	LOWER ROUNDWAY, TRIBUTARY NEAR TALLULAH.....	16
INDEX	469	LUCKY, SALINE BAYOU NEAR.....	60,61,463
INDIAN CREEK (TRIBUTARY TO BAYOU DORCHEAT)		LULING FERRY, MISSISSIPPI RIVER AT.....	291-296
AT SHONGALOO	198		
INDIAN CREEK (TRIBUTARY TO HEMPHILL CREEK)		MACS BAYOU AT BOSSIER CITY.....	209
NEAR HOTWELLS	204	AT NORTH GATE ROAD, AT BOSSIER CITY.....	209
INTERNATIONAL HYDROLOGIC DECADE RIVER STATIONS,		TRIBUTARY NO. 2 AT BOSSIER CITY.....	209
DEFINITION OF.....	7	TRIBUTARY NO. 3 AT BOSSIER CITY.....	209
INTRACOSTAL WATERWAY AT NEW ORLEANS.....	454,455	MAGNOLIA, AMITE RIVER AT.....	201
INTRACOSTAL WATERWAY TRIBUTARY NEAR PORT ALLEN.....	201	MANSFIELD, BAYOU NA BONCHASSE NEAR.....	199
INTRODUCTION	1	MANY, BLACKWELL CREEK AT.....	202
IVAN LAKE NEAR COTTON VALLEY.....	209	MAP SHOWING LOCATION OF CONTINUOUS GAGING STATIONS.....	25
		MAP SHOWING LOCATION OF CREST-STAGE STATIONS.....	26
JAMES BAYOU NEAR VIVIAN.....	357	MAP SHOWING LOCATION OF SAMPLING SITES IN	
JONES, BAYOU BARTHOLOMEW NEAR.....	81,82,463	LAKE PONTCHARTRAIN.....	440
BAYOU BARTHOLOMEW NORTHWEST OF.....	33	MAP SHOWING LOCATION OF SAMPLING SITES IN	
		LOWER ATCHAFALAYA RIVER BASIN.....	456

	PAGE		PAGE
MAP SHOWING LOCATION OF WATER-QUALITY STATIONS.....	27	RADIOCHEMICAL PROGRAM, DEFINITION OF.....	8
MCCAIN CREEK, AT COOPER ROAD, NEAR SHREVEPORT.....	209	RADIOISOTOPES, DEFINITION OF.....	8
AT PINE HILLS ROAD, NEAR SHREVEPORT.....	209	RAMBIN BAYOU NEAR FRIERSON.....	198
NORTHWEST OF SHREVEPORT.....	198	RED BANK CREEK AT EVANS.....	202
MEAN CONCENTRATION.....	0	RED CHUTE BAYOU, AT SLIGO.....	210
MEASUREMENTS AT MISCELLANEOUS SITES.....	203-208	NEAR ELM GROVE.....	210
MERRYVILLE, HOOSIER CREEK NEAR.....	195,196,467	RED RIVER AT ALEXANDRIA.....	76,223,254-258
METHYLENE BLUE ACTIVE SUBSTANCE, DEFINITION OF.....	4	NEAR SHREVEPORT.....	363
MICROGRAMS PER LITER, DEFINITION OF.....	4	AT HOYCE.....	247-253
MIDDLE COLYELL CREEK NEAR WALKER.....	201	AT COUSHATTA.....	244,245
MIDDLE FORK BAYOU D'ARBOHNE NEAR COLQUITT.....	199	AT SHREVEPORT.....	45,222,222,243
NEAR DUBACH.....	204	NEAR MONCLA.....	259-265
MILL CREEK AT SALINE.....	364	NEAR HOUSTON.....	39,233-241
MILLIGRAMS PER LITER, DEFINITION OF.....	4	REDWOOD CREEK NEAR SLAUGHTER.....	201
MINDEN, BAYOU DORCHEAT NEAR.....	50,51,462	RINGGOLD, LAKE BISTINEAU NEAR.....	52
BLACK LAKE NEAR.....	199	ROBERT, LANGPAHQA RIVER AT.....	124,125,366,464
MISSISSIPPI RIVER, AT BATON ROUGE.....	199	WASHLEY CREEK NEAR.....	201
AT LULING FERRY.....	205	ROBERTS CANAL, AT BATON ROUGE.....	212
AT NEW ORLEANS.....	291-296	NEAR BATON ROUGE.....	212
AT PLAQUEMINE.....	297-301	ROBSON, BAYOU PIERRE NEAR.....	210
AT TARBERT LANDING, MISS.....	283-286	ROCHELLE, LITTLE RIVER AT.....	116
AT UNION.....	221	LITTLE RIVER NEAR.....	117,270-272,464
AT VENICE.....	287-290	ROCK HILL, BAYOU MARTEAU NEAR.....	211
AT VICKSBURG, MISS.....	306-310	ROSPINE, BAYOU ANACOCO NEAR.....	192,193,370,467
AT VIOLET.....	38,219	RULIFF, TEX., SABINE RIVER NEAR.....	197
BELOW ST. FRANCISVILLE.....	302-305	RUNOFF IN INCHES, DEFINITION OF.....	5
NEAR ST. FRANCISVILLE.....	281,282	RUTH CANAL NEAR RUTH.....	159
MONCLA, RED RIVER NEAR.....	276-280	RUTH, RUTH CANAL NEAR.....	159
MONROE, OUCHITA RIVER AT.....	259-265		
MONTPELIER, TICKFAM RIVER AT.....	93,224,266,269		
MONROSE, OLD RIVER AT.....	211		
MOOREAUVILLE, BAYOU DES GLAISES DIVERSION.....	152,153,466		
CHANNEL AT.....	211		
MORGAN CITY, LOWER ATCHAFALAYA RIVER AT.....	207,337-339,460		
		SABINE RIVER, AT LOGANSPOUT.....	180
NANTACHIE CREEK NORTHEAST OF MONTGOMERY.....	204	AT TOLEDO BEND RESERVOIR NEAR BURKEVILLE, TEX.....	188
NANTACHIE LAKE NEAR ALOHA.....	70-73	BELOW TOLEDO BEND, NEAR BURKEVILLE, TEX.....	191
NATALHANY, PONCHATOULA CREEK AT.....	201	NEAR BON WIER, TEX.....	194
NATALHANY RIVER AT BAPTIST.....	128,129,465	NEAR RULIFF, TEX.....	197
NEAR ALBANY.....	206,379-385	ST. FRANCISVILLE, MISSISSIPPI RIVER BELOW.....	281,282
NEAR INDEPENDENCE.....	379-385	MISSISSIPPI RIVER NEAR.....	276-280
NATIONAL STREAM-QUALITY ACCOUNTING NETWORK.....	7	ST. MARTINVILLE, BAYOU TECHE AT KEYSTONE LOCK, NR.....	157,158,466
NETWORKS AND PROGRAMS, SPECIAL.....	7	SALINE BAYOU, AT ALLEN DAM, NEAR CLARENCE.....	210
NEW ORLEANS, MISSISSIPPI RIVER AT.....	297-301	NEAR BIENVILLE.....	199
NEW RIVER AT GONZALES.....	206,214	NEAR CLARENCE.....	67-69
NEAR GEISMAR.....	206	NEAR LUCKY.....	60,61,463
NEAR GONZALES.....	206	SALINE LAKE NEAR CLARENCE.....	210
NINOCK, LOGGY BAYOU NEAR.....	57	SAND BEACH BAYOU, AT SHREVEPORT.....	210
NORTH CHENIERE CREEK AT CHENIERE.....	199	NEAR SHREVEPORT.....	210
		SANDY CREEK (TRIBUTARY TO AMITE RIVER) SOUTHEAST OF CLINTON.....	201
OAK GROVE, BIG COLEWA BAYOU NEAR.....	98,99,464	SANDY CREEK (TRIBUTARY TO SABINE RIVER) NEAR BURR FERRY.....	215
OAKS DIVERSION CHANNEL AT SLIDELL.....	211	SAREPTA, BOCCAU BAYOU NEAR.....	53,54,362,462
OBERLIN, CALCASIEU RIVER NEAR.....	168,169,466	SEDIMENT, DEFINITION OF.....	18
CASTOR CREEK NEAR.....	201	SELECTED REFERENCES.....	21
WHISKY CHITTO CREEK NEAR.....	170,171,466	SHETLEWORTH BAYOU NEAR BLANCHARD.....	203
OLD RIVER AT MONTROSE.....	211	SHONGALOO, INDIAN CREEK AT.....	198
OLIVE BRANCH, COMITE RIVER NEAR.....	132,133,465	SHREVEPORT, BAYOU PIERRE AT.....	210
OLIVIER, BAYOU TECHE AT.....	340-343	BRUSH BAYOU AT.....	210
OLLA, BEECH CREEK NEAR.....	200	BRUSH BAYOU TRIBUTARY NO.2 AT.....	198
CHICKASAW CREEK NEAR.....	200	BRUSH BAYOU NEAR.....	198
FLAT CREEK NEAR.....	200	MCCAIN CREEK AT COOPER ROAD, NEAR.....	207
ORDER, DOWNSTREAM, AND STATION NUMBERS.....	8	MCCAIN CREEK AT PINE HILLS ROAD, NEAR.....	209
OTHER DATA AVAILABLE.....	15	MCCAIN CREEK NORTHWEST OF.....	198
OUCHITA RIVER, AT MONROE.....	93,224,266-269	RED RIVER AT.....	45,222,242,243
NEAR ARKANSAS-LOUISIANA STATE LINE.....	78,79,463	SAND BEACH BAYOU AT.....	210
AT ALABAMA LANDING NEAR HAILE.....	80	SAND BEACH BAYOU NEAR.....	210
		SILKES, FLAT CREEK NEAR.....	200
PACKTON, BEAR CREEK NEAR.....	200	SILVER CREEK NEAR CLIFTON.....	198
PALMETTO CREEK NEAR DE RIDDER.....	207	SIMMESPORT, ATCHAFALAYA RIVER AT.....	225,332,333
PARTIAL-RECORD STATION, DEFINITION OF.....	4	SIXMILE CREEK NEAR SUGARTOWN.....	202
PAW PAW BAYOU NEAR GREENWOOD.....	40,41,355,462	SLAGLE, CALCASIEU RIVER NEAR.....	215
PEARL CREEK AT STATE HIGHWAY 111, AT BOHR FERRY.....	202	SLAUGHTER, REDWOOD CREEK NEAR.....	201
PEARL RIVER NEAR BOGALUSA.....	30,31,228-232,462	SLIDELL, FRENCH BRANCH NEAR.....	209
PEPPY, VERMILION RIVER AT.....	351,352	OAKS DIVERSION CHANNEL AT.....	211
PERSIMMON BAYOU NEAR ALEXANDRIA.....	214	SLIGO, RED CHUTE BAYOU AT.....	210
PESTICIDE, DEFINITION OF.....	7	SOLUTES, DEFINITION OF.....	6,16
PESTICIDE NETWORK.....	7	SOUTH CANAL NEAR BAKER.....	211,464
PINE PRAIRIE, BOGGY BAYOU NEAR.....	161,162,466	SPARTA, KEPLER CREEK.....	199
PIONFER, BIG COLEWA BAYOU NEAR.....	700	SPECIAL NETWORKS AND PROGRAMS.....	7
PITKIN, BIG BRUSHY CREEK NEAR.....	202	SPECIFIC CONDUCTANCE, DEFINITION OF.....	6
DRAKES CREEK NEAR.....	201	SPRING CREEK NEAR GLENMORA.....	144-146,465
LITTLE SIXMILE CREEK NEAR.....	201	SPRINGFIELD, BLOOD RIVER NEAR.....	201
PLAIN DEALING, LITTLE CYPRESS BAYOU AT.....	210	SPRINGHILL, BAYOU DORCHEAT NEAR.....	46,47,462
LITTLE CYPRESS BAYOU AT STATE HIGHWAY 3, AT.....	210	STAGE-DISCHARGE RELATION, DEFINITION OF.....	6
LITTLE CYPRESS BAYOU TRIBUTARY AT.....	210	STARKS, BEAR HEAD CREEK NEAR.....	178,179,467
PLAQUEMINE, MISSISSIPPI RIVER AT.....	283-236	STATE CANAL NEAR KROTZ SPRINGS.....	154
PULLOCK, BIG CREEK AT.....	118,119,273-275,461	STATE LINE CREEK AT ST HW 168, NEAR ROUESSA.....	203
DYSON CREEK NEAR.....	200	STOWE CREEK NEAR FARMERVILLE.....	199,204
PONCHATOULA CREEK AT NATALBANY.....	201	SUGAR CREEK NEAR ARCADIA.....	199
NEAR PONCHATOULA.....	206,379-385	SUGARTOWN, SIXMILE CREEK NEAR.....	202
PORT ALLEN, INTRACOSTAL WATERWAY TRIBUTARY NEAR.....	201	SURFACE-WATER PUBLICATIONS, EXPLANATION OF.....	14
PORT VINCENT, BAYOU MANCHAC AT MOUTH NEAR.....	214	SURFACE WATER RECORDS.....	29
PRAIRIE CREEK NEAR LEESVILLE.....	202,208	SUSPENDED SEDIMENT, DEFINITION OF.....	5
PUBLICATIONS.....	14	SUSPENDED-SEDIMENT DISCHARGE, DEFINITION OF.....	6
		SUSPENDED-SEDIMENT CONCENTRATION, DEFINITION OF.....	6
QUITMAN, CYPRESS BAYOU AT.....	200	SWAN LAKE NEAR ELM GROVE.....	210
DUGDEMONA RIVER NEAR.....	200		

	PAGE		PAGE
TALLULAH, BRUSHY BAYOU AT	105	VENICE, MISSISSIPPI RIVER AT.....	306-310
LOWER ROUNDWAY BAYOU TRIBUTARY NEAR	106	VERMILION BAY AT CYPREMORE POINT.....	388,389
TANGIPAHOA RIVER, AT ARCOLA	211	VERMILION RIVER, AT PERRY.....	351,352
AT ROBERT.....	124,125,366,465	AT STATE HIGHWAY 3073, NEAR LAFAYETTE.....	344-350
AT TANGIPAHOA	211,371-378	VICKSBURG, MISS., MISSISSIPPI RIVER AT.....	48,219
NEAR INDEPENDENCE.....	379-385	VIOLTA, MISSISSIPPI RIVER AT.....	302-305
NEAR KENTWOOD	200,206	VIXEN, CYPRESS CREEK NEAR.....	199
TANGIPAHOA, TANGIPAHOA RIVER AT	211	WALKER, MIDDLE COLLELL CREEK NEAR.....	201
TARHET LANDING, MISS., MISSISSIPPI RIVER AT.....	221	WAKO CREEK, AT COLLEGE DRIVE, NEAR BATON ROUGE.....	213
TAYLORTOWN, FLAT RIVER AT.....	209	AT SIEGEN LANE, NEAR BATON ROUGE.....	206,213
TCHEFUNCTA RIVER NEAR COVINGTON.....	205,371-378	NORTH BRANCH, AT BATON ROUGE.....	213
NEAR FOLSOM	122,123,464	AT BATON ROUGE.....	213
NEAR FRANKLINTON	205,371-378	NORTH BRANCH, AT GOODWOOD BOULEVARD.....	213
TEMPERATURE, DEFINITION OF.....	17	WASHINGTON, BAYOU CARRON AT.....	214
TENDAL, TENSAS RIVER AT	107,108,464	HAYOU COURTABLEAU AT.....	150,151,466
TENMILE CREEK NEAR ELIZABETH	202	WASHLEY CREEK NEAR ROBERT.....	201
TENSAS RIVER AT TENDAL.....	107,108,464	WATER-QUALITY PUBLICATIONS.....	19
TERMS AND ABBREVIATIONS, DEFINITION OF.....	2	WATER-QUALITY RECORD	227
TERRYS CREEK NEAR KENTWOOD	200	WATERPROOF, LAKE ST. JOHN NEAR	120
THERMOGRAPH, DEFINITION OF	6	WATER QUALITY DATA AFTER HURRICANE CARMEN.....	457-459
THIHODAU, BAYOU LAFOURCHE AT	141,461	WAX LAKE OUTLET AT CALUMET.....	212,213,334-336,460
TICKFAW RIVER, AT HOLDEN	126,127,367,465	WEINER CREEK NEAR BATON ROUGE.....	212
AT LIVERPOOL.....	201	WELSH, BAYOU CHENE NEAR.....	214
AT MONPELIER.....	201	WEST ANACOCO CREEK NEAR HORNBECK.....	207
TOLEDO HEND RESERVOIR NEAR BURKEVILLE, TEX.	187	WHISKY CHITTO NEAR OBERLIN.....	170,171,466
TONS PER ACRE-FOOT, DEFINITION OF.....	6	WHITF BAYOU NEAR BATON ROUGE.....	211
TONS PER DAY, DEFINITION OF	6	AT STATE HIGHWAY 64, NEAR ZACHARY.....	211
TORO, BAYOU TORO NEAR.....	189,190,467	SOUTHEAST OF ZACHARY	465
TOULON BAYOU NEAR RINGGOLD.....	203	WHITE LAKE NORTHEAST CORNER.....	390,391
TURNERS BAYOU CANAL NEAR WOODSIDE.....	214	WINNFELD, DUGDEMONA RIVER NEAR.....	114,115,365,464
TWELFEMILE BAYOU, BELOW DIXIE	209	WIND, DEFINITION OF.....	7
NEAR DIXIE	42-44,462	WOODSIDE, TURNERS BAYOU CANAL NEAR.....	214
NEAR SHREVEPORT.....	361	WSP, DEFINITION OF.....	7
TYLERTOWN, MISS., BOGUE CHITTO NEAR.....	35,218		
UNION, MISSISSIPPI RIVER AT.....	287-290	ZACHARY, COMITE RIVER NEAR.....	211
UNIONVILLE, CYPRESS CREEK NEAR.....	204	WHITE BAYOU AT STATE HIGHWAY 64, NEAR.....	211
		WHITE BAYOU SOUTHEAST OF.....	465
VALENTINE, BAYOU LAFOURCHE AT.....	142,318,319	ZWOLLE, BAYOU SCIE AT.....	202
		MERCI LE BON DIEU.....	THE END

96

USGS LIBRARY - RESTON



3 1818 00451112 5

RECEIVED

DEC 19 1974

DATA REPORTS UNIT