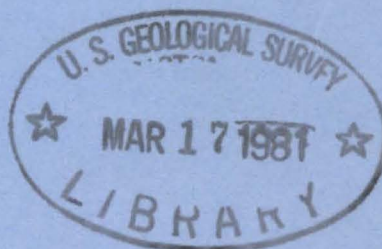


R
(200)
Ga3
LOUISIANA
1980
v.2



Water Resources Data for Louisiana

Volume 2. Southern Louisiana



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-80-2
WATER YEAR 1980

Prepared in cooperation with the Louisiana
Department of Transportation and Development
and with other State and Federal agencies

619-E-18
I19.53/2

CALENDAR FOR WATER YEAR 1980

1 9 7 9

OCTOBER

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

NOVEMBER

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

DECEMBER

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

1 9 8 0

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	29	

MARCH

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

APRIL

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

MAY

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

JUNE

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

JULY

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

AUGUST

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

SEPTEMBER

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



Water Resources Data for Louisiana

Volume 2. Southern Louisiana

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-80-2
WATER YEAR 1980

Prepared in cooperation with the Louisiana
Department of Transportation and Development
and with other State and Federal agencies

UNITED STATES DEPARTMENT OF THE INTERIOR

CECIL D. ANDRUS, Secretary

GEOLOGICAL SURVEY

H. William Menard, Director

For information on the water program in Louisiana write to
District Chief, Water Resources Division
U.S. Geological Survey
P.O. Box 66492
Baton Rouge, LA 70896

1980

PREFACE

This report was prepared by personnel of the Louisiana district of the Water Resources Division of the U.S. Geological Survey under the supervision of A. N. Cameron, District Chief, and Alfred Clebsch, Jr., Regional Hydrologist, Central Region. It was done in cooperation with the State of Louisiana and with other agencies.

This report is one of a series issued by State. General direction for the series is by Philip Cohen, Chief Hydrologist, U.S. Geological Survey, and Robert J. Dingman, Assistant Chief Hydrologist for Scientific Publications and Data Management.

Data for Louisiana are in three volumes as follows:

- Volume 1. Central and northern Louisiana
- Volume 2. Southern Louisiana
- Volume 3. Coastal Louisiana

REPORT DOCUMENTATION PAGE	1. REPORT NO. USGS/WRD/HD-	2.	3. Recipient's Accession No.
4. Title and Subtitle Water Resources Data for Louisiana, Water Year 1980 Volume 2. Southern Louisiana		5. Report Date	
7. Author(s)		8. Performing Organization Rept. No. USGS-WDR-LA-2	
9. Performing Organization Name and Address U.S. Geological Survey, Water Resources Division P.O. Box 66492 Baton Rouge, Louisiana 70896		10. Project/Task/Work Unit No. 11. Contract(C) or Grant(G) No. (C) (G)	
12. Sponsoring Organization Name and Address U.S. Geological Survey, Water Resources Division P.O. Box 66492 Baton Rouge, Louisiana 70896		13. Type of Report & Period Covered 10/1/79 to 9/30/80	
15. Supplementary Notes Prepared in cooperation with the State of Louisiana and with other agencies.			
16. Abstract Water resources data for the 1980 water year for Louisiana consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground water. This report, in three volumes, contains records for water discharge at 75 gaging stations (including stage for 71 of these stations); stage only for 38 gaging stations and 11 lakes; contents for 1 reservoir; water quality for 124 surface-water stations (including 34 gaging stations), 107 miscellaneous sites, and 15 lakes, and 268 wells; and water levels for 506 observation wells. Also included are data for 271 crest-stage and flood-profile partial-record stations. Additional water data were collected at various sites not involved in the systematic data-collection program, and are published as miscellaneous measurements. Records for a few pertinent stations in bordering States are also included in this report. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating State and Federal agencies in Louisiana.			
17. Document Analysis a. Descriptors *Louisiana, *Hydrologic data, *Surface water, *Ground water, *Water quality, Flow rate, Gaging stations, Lakes, Reservoirs, Chemical analyses, Sediments, Water temperatures, Sampling sites, Water levels, Water analyses. b. Identifiers/Open-Ended Terms c. COSATI Field/Group			
18. Availability Statement No restriction. This report may be purchased from National Technical Information Service, Springfield, VA 22161		19. Security Class (This Report) UNCLASSIFIED	21. No. of Pages
		20. Security Class (This Page) UNCLASSIFIED	22. Price

CONTENTS

	Page
Preface.....	III
List of gaging stations, in downstream order, for which records are published.....	VII
Introduction.....	1
Cooperation.....	2
Hydrologic conditions.....	2
Definition of terms.....	4
Downstream order and station numbers.....	16
Numbering system for wells and miscellaneous sites.....	17
Special networks and programs.....	18
Hydrologic bench-mark station.....	18
National stream-quality accounting network.....	18
Pesticide program.....	18
Radiochemical program.....	19
Tritium network.....	19
Explanation of stage and water-discharge records.....	19
Collection and computation of data.....	19
Accuracy of field data and computed results.....	23
Other data available.....	24
Records of discharge collected by agencies other than the Geological Survey.....	24
Explanation of water-quality records.....	24
Collection and examination of data.....	24
Water analysis.....	24
Water temperatures.....	25
Sediment.....	25
Explanation of ground-water level records.....	26
Collection of the data.....	26
Publications on techniques of water-resources investigations.....	28
Hydrologic-data station records.....	33
Data collected at partial-stations.....	267
Low-flow study.....	267
Crest-stage partial-record stations.....	268
Flood-profile partial-record stations.....	271
Miscellaneous sites.....	276
Analyses of samples collected at miscellaneous sites.....	277
Ground-water records.....	301
Ground-water level records.....	301
Quality of ground-water records.....	350
Index.....	369

	PAGE
Figure 1. System for numbering wells and miscellaneous sites....	18
2. Map showing location of continuous gaging stations....	29
3. Map showing location of crest-stage stations.....	30
4. Map showing location of water-quality stations in southeastern Louisiana.....	31
5. Map showing location of water-quality stations in southwestern Louisiana.....	32
6. Map showing location of observation wells.....	291
7. Map showing location of observation wells in Calcasieu Parish.....	292
8. Map showing location of observation wells in shaded area of figure 7.....	293
9. Map showing location of observation wells in East and West Baton Rouge Parishes.....	294
10. Map showing location of observation wells in shaded area of figure 9.....	295
11. Map showing location of wells for which water- quality data are included.....	345
12. Map showing location of wells for which water- quality data are included, East and West Baton Rouge Parishes.....	346
13. Map showing location of wells for which water- quality data are included in shaded area of figure 12.....	347
14. Map showing location of wells for which water- quality data are included, Calcasieu Parish.....	348
15. Map showing location of wells for which water- quality data are included in shaded area of figure 14.....	349

EASTERN GULF OF MEXICO BASIN

PEARL RIVER BASIN

Pearl River near Bogalusa (dgcbmts)	33
Bogue Lusa Creek at State Highway 439, at Bogalusa (dg)	47
Pearl River at Pools Bluff, near Bogalusa (cmt)	49
Bogue Chitto near Tylertown, MS (dt)	55
Bogue Chitto at Franklinton (g)	57
Bogue Chitto near Bush (dgcbmts)	58
Pearl River at Pearl River (g)	69

LOWER MISSISSIPPI RIVER BASIN

Mississippi River at Tarbert Landing (dgs)	70
--	----

RED RIVER BASIN

Red River near Simmesport (cbms)	74
Mississippi River near St. Francisville (cbmts)	80
South Canal near Baker (dg)	92
Mississippi River at Plaquemine (cm)	94
Mississippi River at Union (cm)	97
Mississippi River at Luling Ferry (cmt)	100

MISSISSIPPI RIVER DELTA

Tchefuncta River near Folsom (dg)	106
Tchefuncta River near Covington (cbmts)	108
Tangipahoa River at Robert (dgcbmts)	114
Rigolets near Lake Pontchartrain, near Slidell (ct)	124
Lake Pontchartrain at north shore near Slidell (ct)	126
Lake Pontchartrain at mouth of Bayou Lacombe, near Lacombe (cmp) .	128
Lake Pontchartrain at mouth of Tchefuncta River, near Madisonville (cmp)	132
Lake Pontchartrain at mouth of Tangipahoa River near Lee Landing (cmp)	136
Lake Pontchartrain at Pass Manchac, near Manchac (cmp)	140
Pass Manchac at Manchac (ct)	144
Middle of Lake Maurepas near Manchac (cmp)	146
Tickfaw River at Liverpool (dg)	150
Tickfaw River at Holden (dg)	152
Natalbany River at Baptist (dg)	154
Amite River near Darlington (dg)	156
Little Sandy Creek near Greenwell Springs (dg)	158
Comite River near Olive Branch (dg)	160
White Bayou east diversion channel near Baton Rouge (dg)	162
White Bayou southeast of Zachary (dg)	164

LOWER MISSISSIPPI RIVER BASIN--ContinuedMISSISSIPPI RIVER DELTA--Continued

Amite River--Continued

Comite River--Continued

White Bayou near Baker (dg)	166
Comite River near Comite (dg)	168
Amite River near Denham Springs (dg)	170
Amite River at 4-H Camp, near Denham Springs (gcbms)	172
Bayou Manchac at mouth, near Port Vincent (g)	180
Blind River:	
New River at Acy (g)	181
Bayou Lafourche at Donaldsonville (dg)	182
Bayou Terrebonne:	
Bayou Black:	
Lower Grand River at Bayou Sorrel (cbmts)	184
Atchafalaya River (continuation of Red River) at	
Simmesport (dgcts)	192
Atchafalaya River at Melville (cbmpt)	197
Bayou Teche at Keystone Lock, near St. Martinville (gcbmts)	208
Vermilion River:	
Ruth Canal near Ruth (ae)	217
Ruth Canal at Ruth (e)	219
Vermilion River at Surrey Street, at Lafayette (dg)	220
Vermilion River at State Highway 3073, near Lafayette (gcbmpt) ...	222

WESTERN GULF OF MEXICO BASINSMERMENTAU RIVER BASIN

Bayou des Cannes (head of Mermentau River):

Bayou des Cannes, at State Highway 755, near Eunice (g)	234
Bayou Nezpique at Mamou Pumping Plant, near Basile (g)	235
Mermentau River at Mermentau (cbmts)	236
Bayou Lacassine near Lake Arthur (g)	242

CALCASIEU RIVER BASIN

Calcasieu River:

Bear Head Creek (head of Houston River) near Starks (dg)	243
Houston River near Buhler (cmps)	245
Calcasieu River east of salt-water barrier at	
Lake Charles (ct)	248
Calcasieu River west of salt-water barrier at	
Lake Charles (ct)	250
Calcasieu River at mile 40.0 at Lake Charles (cmp)	252
Calcasieu River and Pass near Lake Charles (ct)	255
Intracoastal Waterway at Calcasieu Lock near	
Grand Lake (ct)	258

SABINE RIVER BASIN

Sabine River near Ruliff, Tx (dgcbmp)	260
---	-----

INTRODUCTION

Water resources data for the 1980 water year for Louisiana consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of ground water. This report, in three volumes, contains discharge records for 75 gaging stations; stage record for 71 of these gaging stations; stage only for 38 gaging stations; contents for 1 reservoir; stage only for 11 lakes; water quality for 124 stations (34 of these at gaging stations), 107 miscellaneous sites, 15 lakes, and 268 wells; and water levels for 506 observation wells. Also included are data for 135 crest-stage partial-record stations and 136 flood-profile partial-record stations. Additional water data were collected at various sites, not involved in the systematic data-collection program, and are published as miscellaneous measurements. 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.

Records of discharge or stage of streams, and contents or stage of lakes and reservoirs were first published in a series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States." Through September 30, 1960, these water-supply papers were in an annual series and then in a 5-year series for 1961-65 and 1966-70. Records of chemical quality, water temperatures, and suspended sediment were published from 1941 to 1970 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Records of ground-water levels were published from 1935 to 1974 in a series of water-supply papers entitled, "Ground-Water Levels in the United States." Water-supply papers may be consulted in the libraries of the principal cities in the United States or may be purchased from Branch of Distribution, U.S. Geological Survey, 1200 South Eads Street, Arlington, VA 22202.

For water years 1961 through 1974, streamflow data were released by the Geological Survey in annual reports on a State-boundary basis. Water-quality records for water years 1964 through 1974 were similarly released either in separate reports or in conjunction with streamflow records. Beginning with the 1975 water year, water data for streamflow, water quality, and ground water are published as an official Survey report on a State-boundary basis. These official Survey reports carry an identification number consisting of the two-letter State abbreviation, the last two digits of the water year, and the volume number. For example, this report is identified as "U.S. Geological Survey Water-Data Report LA-80-1." Water-data reports are for sale by the National Technical Information Service, U.S. Department of Commerce, Springfield, VA 22151.

COOPERATION

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, for ground-water levels since 1936, and for water-quality records since 1943. Organizations that assisted in collecting data through cooperative agreement with the Survey are:

Louisiana Department of Transportation and Development, Paul J. Hardy, Secretary: Office of Public Works, I. F. "Jiff" Hingle, Assistant Secretary, and Office of Highways, Neil L. Wagoner, Assistant Secretary.

Sabine River Compact Administration, composed of L. E. Carroon, Federal representative and chairman; I. F. "Jiff" Hingle and Raymond J. Palmer for Louisiana; Neilson Davis and J. M. Syler for Texas.

Capital Area Ground Water Conservation Commission, M. Clinton Sussky, chairman.

Assistance in the form of funds or services was provided by the Corps of Engineers, U.S. Army, the Department of Energy, and the Environmental Protection Agency in collection of records for 35 stage and discharge stations and 102 water-quality stations published in this report.

Organizations that supplied data are acknowledged in station descriptions.

HYDROLOGIC CONDITIONS

Monthly streamflow was generally above the long-term monthly average for the first three months of the water year, except for the lower Pearl River which was above flood stage in December 1979.

High-water conditions were experienced in southeastern Louisiana during the spring. The Franklin station on the Bogue Chitto recorded a record flood elevation of 144.36 ft (NGVD) on March 30, 1980. This exceeded the previous maximum of 143.27 ft (NGVD), which occurred on March 21, 1943. Pearl River at Bogalusa reached a elevation of 77.42 ft (NGVD) at a discharge of 107,000 ft³/s on March 31, 1980. This was almost twice the previous March maximum instantaneous discharge of 19,200 ft³/s. The Pearl River at Pearl River reached a crest of 19.86 ft (NGVD) on April 1, 1980. A discharge of 174,000 ft³/s was measured at Interstate Highway 10.

Three significant floods occurred in the Comite and Amite River basins in March and April. Peak discharges at the key station, Amite River near Denham Springs, were 64,200 ft³/s on March 30, 1980, 44,200 ft³/s on April 14, 1980, and 37,200 ft³/s on April 27, 1980. Some flooding occurred during these peak periods along the Amite River below Interstate Highway 12 and along Bayou Manchac.

The lower Mississippi River was above flood stage for only a short time in late April. The maximum daily discharge at Baton Rouge was 1,120,000 ft³/s at a stage of 36.6 ft (NGVD) on April 15 1980.

Heavy rains occurred during mid-May in southwestern Louisiana, resulting in extreme flooding of the area from U.S. Highway 190 to the Gulf of Mexico. Gaging stations along the highway recorded peak stages second only to the historic flood of May 1953. A 24-hour rainfall of 15.67 in. was recorded on May 16, 1980 by the National Weather Service at the Lake Charles Airport station.

Deficient flow was experienced in northwestern Louisiana in August and September. The key station, Saline Bayou near Lucky, experienced a near-record minimum daily flow of 4.0 ft³/s on August 25, 1980. The minimum daily flow since records began in 1940, is 2.4 ft³/s and occurred on August 14, 1954. On Bayou Toro near Toro, September streamflow was only seven percent of the long-term average monthly discharge of 77.6 ft³/s.

In northern and central Louisiana water-level trends in wells screened in the Sparta Sand and in Miocene aquifers reflected regional-decline rates of one-half to 2 ft per year. Levels in many wells reached record lows during 1980. Water-level trends in wells screened in the Wilcox, Cockfield, and alluvial aquifers mostly showed normal seasonal fluctuations. Some wells screened in the alluvial aquifers near streams that were at low stages because of the unusually dry summer had levels that were lower than normal. Water levels in wells screened in the terrace aquifers generally respond to the long-term cumulative departure from average precipitation more than to seasonal variations in rainfall, and typically showed little effects from the summer drought.

At the end of the rice-irrigation season in southwestern Louisiana, levels in observation wells in the Chicot aquifer were 1-2 ft lower than the lowest levels previously recorded in Evangeline, Jefferson Davis, and St. Landry Parishes. In the Lake Charles industrial area, water levels in wells in the "500-foot" sand were 1-5 ft higher at the end of the water year than last September; levels in wells in the "700-foot" sand were about a foot lower, and levels in wells in the "200-foot" sand reflected essentially no change. Lowest water levels in all sands of the industrial area were generally more than 10 ft above record lows. The lowest level recorded in a well in the Evangeline aquifer at Opelousas, St. Landry Parish, exceeded the previous record low by about 2 ft.

In southeastern Louisiana, water levels in wells in the Gramercy and Norco aquifers have declined slightly since the end of the 1979 water year; while higher levels were noted in several key observation wells in the Gonzales-New Orleans aquifer at New Orleans. Slight rises also occurred in wells in most sands of the Baton Rouge area. Levels in wells in the "1,500-foot" sand were steady, but slight declines were registered in wells in the "2,000-foot" and "2,800-foot" sands. In the Florida Parishes, water levels in most wells were steady. However, small declines were noted locally in wells in the deep sands.

DEFINITION OF TERMS

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

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

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

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

Bacteria are microscopic unicellular organisms, typically spherical, rodlike, or spiral and threadlike in shape, often clumped into colonies. Some bacteria cause disease, others perform an essential role in nature in the recycling of materials. NOTE: The letter "K" preceding a value indicates the results are based on colony count outside the acceptable range.

Total coliform bacteria are a particular group of bacteria that are used as indicators of possible sewage pollution. They are characterized as aerobic or facultative anaerobic, gram-negative, nonspore-forming, rod-shaped bacteria which ferment lactose with gas formation within 48 hours at 35°C. In the laboratory these bacteria are defined as all the organisms that produce colonies within 24 hours when incubated at 35°C ± 0.5°C on M-Endo medium (nutrient medium for bacterial growth). Their concentrations are expressed as number of colonies per 100 mL of sample.

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

Fecal streptococcal bacteria are bacteria found in the intestines of warm-blooded animals. Their presence in water is considered to verify fecal pollution. They are characterized as gram-positive, cocci bacteria which are capable of growth in brain-heart infusion broth. In the laboratory they are defined as all the organisms which produce red or pink colonies with 48 hours at $35^{\circ}\text{C} \pm 1.0^{\circ}\text{C}$ on M-enterococcus medium (STORET CODE 31679), or on KF agar (STORET CODE 31673). Their concentrations are expressed as number of colonies per 100 mL of sample.

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

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

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

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

Dry mass refers to the mass of residue present after drying in an oven at 60°C for zooplankton and 105°C for periphyton, until the mass remains unchanged. This mass represents the total organic matter, ash and sediment, in the sample. Dry-mass values are expressed in the same units as for ash mass.

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

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

Bottom material: See Bed material.

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

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

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

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

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

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

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

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

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

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

Cubic feet per second (FT³/S, ft³/s) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to approximately 7.48 gallons per second or 448.8 gallons per minute or 0.02832 cubic meters per second.

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

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

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

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

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

Diversity index is a numerical expression of evenness of distribution of aquatic organisms. The formula for diversity index is:

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

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

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

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water.

Elutriate is the supernatant resulting from the vigorous 30-minute shaking of 1 part bottom sediment with 4 parts water from the proposed disposal site followed by 1 hour of letting the mixture settle and appropriate filtration or centrifugation.

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

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

Hardness of water is a physical-chemical characteristic that is commonly recognized by the increased quantity of soap required to produce lather. It is attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate (CaCO_3).

Hydrologic unit is a geographic area representing part or all of a surface drainage basin or distinct hydrologic feature as delineated by the Office of Water Data Coordination on the State Hydrologic Unit Maps; each hydrologic unit is identified by an 8-digit number.

Land-surface datum (LSD) is a datum plane that is approximately at land surface at each well.

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

Micrograms per gram ($\mu\text{g/g}$) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (gram) of sediment.

Micrograms per kilogram ($\mu\text{g/kg}$) is a unit expressing the concentration of a chemical element as the mass (micrograms) of the element sorbed per unit mass (kilogram) of sediment.

Micrograms per liter ($\mu\text{g/l}$) is a unit expressing the concentration of chemical constituents in solution. Micrograms per liter represent the mass of solute per unit volume (liter) of water.

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

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

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

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

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

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

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

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

The classification is as follows:

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

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

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

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

Insecticides are substances or a mixture of substances intended to prevent, destroy, or repel insects. The technical names for insecticides determined in this report are:

Aldrin 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-endo, exo-1,4:5,8-dimethanonaphthalene.

Chlordane 1,2,4,5,6,7,8,8-octachloro-3a,4,7,7a-tetrahydro-4,7-methanoindan.

DDD (combination of ortho and para isomers)

o,p'-DDD 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethane,

p,p'-DDD 1,1-dichloro-2,2-bis(p-chlorophenyl)ethane.

DDE (combination of ortho and para isomers)

o,p'-DDE 1,1-dichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethylene,

p,p'-DDE 1,1-dichloro-2-bis(p-chlorophenyl)ethylene.

DDT (combination of ortho and para isomers)

o,p'-DDT 1,1,1-trichloro-2-(o-chlorophenyl)-2-(p-chlorophenyl)-ethane,

p,p'-DDT 1,1,1-trichloro-2,2-bis(p-chlorophenyl)ethane.

Diazinon 0,0-diethyl 0-2-isopropyl-4-methyl-6-pyrimidyl thiophosphate.

Dieldrin 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo,exo-1,4:5,8-dimethanonaphthalene.

Endosulfan 1,4,5,6,7,7-hexachloro-5-norbornene-2,3-dimethanol cyclic sulfite.

Endrin 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo,endo-1,4:5,8-dimethanonaphthalene.

Ethion 0,0,0',0'-tetraethyl S,S'-methylenediphosphorodithioate.

Heptachlor 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-4,7-methanoindene.

Heptachlor epoxide 1,4,5,6,7,8,8-heptachloro-2,3-epoxy-3a,4,7,7a-tetrahydro-4,7-methanoindan.

Lindane 1,2,3,4,5,6-hexachlorocyclohexane, 99 percent or more of gamma-isomer.

Malathion S-(1,2-dicarbethoxyethyl) 0,0-dimethyldithiophosphate.

Methyl parathion 0,0-dimethyl 0-p-nitrophenyl phosphorothioate.

Methyl trithion phosphorodithioic acid S-[(4-chlorophenyl)thio]-methyl] 0,0-dimethyl ester.

Methoxychlor 1,1,1-trichloro-2,2-bis(p-methoxyphenyl)ethane.

Mirex 1,1a,2,2,3,3a,4,5,5,5a,5b,6-dodecachlorooctahydro-1,3,4-metheno-1H-cyclobuta[cd]pentalene.

Parathion 0,0-diethyl 0-p-nitrophenyl phosphorothioate.

Perthane 1,1'-(2,2-dichloroethylidene)bis[4-ethylbenzene].

Toxaphene chlorinated camphene containing 67-69 percent chlorine by weight.

Trithion phosphorodithioic acid S-[(4-chlorophenyl)thio]methyl] 0,0-diethyl ester.

Herbicides are substances or a mixture of substances intended to control or destroy any vegetation. The technical names for herbicides determined in this report are:

2,4-D (2,4-dichlorophenoxy)acetic acid.

2,4,5-T (2,4,5-trichlorophenoxy)acetic acid.

Silvex 2-(2,4,5-trichlorophenoxy)propionic acid.

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 2.2 dpm (disintegrations per minute).

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

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

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

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

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

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

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

Polychlorinated naphthalenes (PCNs) are industrial chemicals that are mixtures of chlorinated naphthalene compounds having various percentages of chlorine.

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 colloid.

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

Suspended-sediment discharge (tons/day) is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight or volume, that passes a section in a given time. It is computed by multiplying discharge times mg/L times 0.0027.

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

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

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

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

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

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

Substrate is the physical surface upon which an organism lived.

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

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

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

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

Suspended (as used in tables of chemical analyses) refers to the amount (concentration) of the total concentration in a water-sediment mixture. The water-sediment mixture is associated with (or sorbed on) that material retained on a 0.45-micrometer membrane filter.

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

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

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

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

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

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

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

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

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

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

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

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

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

WKL is used as an abbreviation for "Water-Resources Data" in the REVISED RECORDS paragraph to State annual basic-data reports published before 1975.

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

DOWNSTREAM ORDER AND STATION NUMBER

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a

main-stream station are listed before that station. A station on a tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations on first rank, second rank, and other ranks of tributaries. The rank of any tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indention in a list of stations in the front of the report. Each indention represents one rank. This downstream order and system of indention show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

As an added means of identification, each hydrologic station and partial-record station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and other stations; therefore, the station number for a partial-record station indicates downstream-order position in a list made up of both types of stations. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station such as 02489500, which appears just to the left of the station name, includes the 2-digit part number "02" plus the 6-digit downstream order number "489500". 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).

NUMBERING SYSTEM FOR WELLS AND MISCELLANEOUS SITES

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

The well and miscellaneous site numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The system provides the geographic location of the well or miscellaneous site and a unique number for each site. The number consists of 15 digits. The first 6 digits denote the degrees, minutes, and seconds of latitude, the next 7 digits denote degrees, minutes, and seconds of longitude, and the last 2 digits (assigned sequentially) identify the wells or other sites within a 1-second grid. See figure 1, following. In Louisiana, wells are further identified by a local well number that consists of a letter code that identifies the parish (county) in which the well is located, followed by a serial number assigned when the well was inventoried.

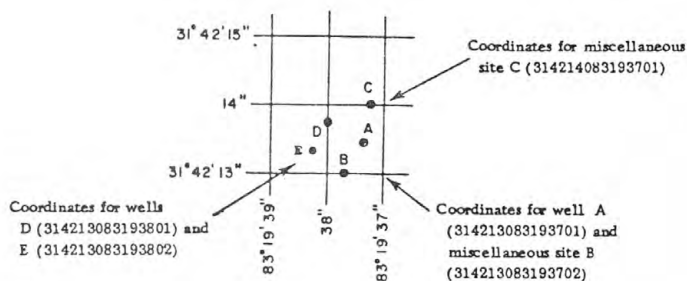


Figure 1. System for numbering wells and miscellaneous sites (latitude and longitude)

SPECIAL NETWORKS AND PROGRAMS

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

National stream-quality accounting network (NASQAN) is a data-collection network designated by the U.S. Geological Survey to meet many of the 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 into the network design. Areal configuration of the network is based on river-basin accounting units (identified by 8-digit hydrologic-unit numbers) designated by the Office of Water Data Coordination in consultation with the Water Resources Council. Primary objectives of the network are (1) to depict areal variability of streamflow and water-quality conditions nationwide on a year-by-year basis and (2) to detect and assess long-term changes in streamflow and stream quality.

Pesticide program is a network of regularly sampled water-quality stations where samples are collected to determine the concentration and distribution of pesticides in streams where potential contamination could result from the application of the commonly used insecticides and herbicides. Operation of the network is a Federal interagency activity.

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

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

EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS

Collection and Computation of Data

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

For stream-gaging stations, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves. If extensions to the rating curves are necessary to express discharge greater than measured, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), step-backwater techniques, velocity-area studies, and logarithmic plotting. The daily mean discharge is computed from gage heights and rating tables, then the monthly and yearly mean 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 the backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in computing discharge. The slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in computing discharge.

For a 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, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, prior and subsequent records, discharge measurements, weather records, and comparison with records for other stations in the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, prior and subsequent records, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of daily and monthly figures. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or a table showing the daily contents is given. Tables of daily mean gage heights are included for some streamflow stations. Records are published for the water year, which begins on October 1 and ends on September 30.

The description of the gaging station gives the location, drainage area, period of record, notations of revisions of previously published records, type and history of gages, general remarks, average discharge, and extremes of discharge or contents. The location of the

gaging station and the drainage area are obtained from 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. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD."

Previously published streamflow 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 "REVISED RECORDS" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which the figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge are affected by the revisions, the 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 report.

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

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

The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE"; it is not given for stations having fewer than five complete years of record or for stations where changes in water development during the period of record cause the figure to have little significance. Under "EXTREMES" are given first, the extremes

for the period of record, second, information available outside the period of record, and last, those for the current year. Unless otherwise qualified, the maximum discharge (or contents) is the instantaneous maximum corresponding to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur on the same day as the maximum discharge (or contents), it is given separately. Similarly, the minimum is the instantaneous minimum unless otherwise qualified. For some stations peak discharges are listed with "EXTREMES FOR THE CURRENT YEAR"; if they are, all independent peaks, including the maximum for the year, above the selected base with the time of occurrence and corresponding gage heights are published in tabular format. The base discharge, which is given in the table heading, is selected so that an average of about three peaks a year will be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330. The minimums for these stations are published in a separate paragraph following the table of peaks.

The daily table for stream-gaging stations gives the mean discharge for each day and is followed by monthly and yearly summaries. In the monthly summary below the daily table, the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX" and "MIN" give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM"), or in inches (line headed "IN"), or in acre-feet (line headed "AC-FT"). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation or diversion, if the drainage area includes large noncontributing areas, or if the average annual rainfall over the drainage basin is usually less than 20 in. In the yearly summary below the monthly summary, the figures shown are the appropriate daily discharges for the calendar and water years.

Footnotes to the table of daily discharge 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-relation, or of any other unusual condition at the gage site are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs.

For 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 all 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 follow the information for continuous-record sites. Data for partial-record discharge stations are presented in three tables. 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 Field Data and Computed Results

The accuracy of streamflow 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 interpretations 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; "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.

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

Other Data Available

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

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

Records of Discharge Collected by Agencies other than the Geological Survey

Records of discharge not published by the Geological Survey were collected during water year 1980 at sites in Louisiana by the Corps of Engineers, U.S. Army. The National Water Data Exchange, Water Resources Division, U.S. Geological Survey, National Center, Reston, VA 22092, maintains an index of such sites. Information on records available at specific sites can be obtained upon request.

EXPLANATION OF WATER-QUALITY RECORDS

Collection and Examination of Data

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

The descriptive heading for water-quality records gives periods of record for the various types of water-quality data (chemical, specific conductance, water temperatures, sediment discharge), extremes of pertinent data, and general remarks.

For ground-water records, no descriptive statements are given; however, the well number, depth of well, date of sampling, and geologic unit (aquifer) are given in the table containing the chemical analyses of the ground water.

Water Analysis

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

One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogeneous. However, the concentration of solutes at different

locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled through several vertical sections to obtain a representative sample needed for an accurate mean concentration and for use in calculating load.

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

For chemical-quality stations equipped with digital monitors, the records consist of daily maximum, minimum, and mean values for each constituent measured and are based upon hourly punches beginning at 0100 hours and ending at 2400 hours for the day of record. More detailed records (hourly values) may be obtained from the district office.

Water Temperature

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

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

Sediment

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

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

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

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

EXPLANATION OF GROUND-WATER-LEVEL RECORDS

Collection of the Data

Ground-water-level data from the State network of observation wells are published herein. This basic network contains observation wells so located that significant areal data are obtained from the most important aquifers.

Each well is identified by (1) a 15-digit number that is based on latitude and longitude and (2) a local well number that identifies the well within an individual parish (county). See figure 1.

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

Water-level measurements in this report are given in feet with reference to land-surface datum (LSD). Land-surface datum is a datum plane that is approximately at land surface at each well. If known, the altitude of the land-surface datum above National Geodetic Vertical Datum of 1929 (NGVD) is given in the well description. Altitudes with zeros in the tenths and hundredths columns are interpolated from topographic maps and are generally accurate only to about 1-5 feet. The height of the measuring point (MP) above or below land-surface datum is given in each well description. Water levels in wells equipped with recording gages are reported for every fifth day, the end of each month, and for dates when check measurements were made.

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

WATER RESOURCES DATA FOR LOUISIANA, 1980

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-four manuals by the U.S. Geological Survey have been published to date in the series on techniques describing procedures for planning and executing specialized work in water-resources investigations. The material is grouped under major subject headings called books and is further divided into sections and chapters. For example, Section A of Book 3 (Applications of Hydraulics) is on surface water. The chapter, the unit of publication, is limited to a narrow field of subject matter. This format permits flexibility in revision and publication as the need arises. The reports listed below are for sale by the U.S. Geological Survey, Branch of Distribution, 1200 South Eads Street, Arlington, VA 22202 (authorized agent of the Superintendent of Documents, Government Printing Office).

NOTE: When ordering any of these publications, please give the title, book number, chapter number, and "U.S. Geological Survey Techniques of Water-Resources Investigations".

- 1-D1. *Water temperature--influential factors, field measurement, and data presentation*, by H. H. Stevens, Jr., J. F. Ficke, and G. F. Smoot: USGS--TWRI Book 1, Chapter D1. 1975. 65 pages.
- 1-D2. *Guidelines for collection and field analysis of ground-water samples for selected unstable constituents*, by W. W. Wood: USGS--TWRI Book 1, Chapter D2. 1976. 24 pages.
- 2-D1. *Application of surface geophysics to ground-water investigations*, by A. A. R. Zohdy, G. P. Eaton, and D. R. Mabey: USGS--TWRI Book 2, Chapter D1. 1974. 116 pages.
- 2-E1. *Application of borehole geophysics to water-resources investigations*, by W. S. Keys and L. M. MacCary: USGS--TWRI Book 2, Chapter E1. 1971. 126 pages.
- 3-A1. *General field and office procedures for indirect discharge measurements*, by M. A. Benson and Tate Dalrymple: USGS--TWRI Book 3, Chapter A1. 1967. 30 pages.
- 3-A2. *Measurement of peak discharge by the slope-area method*, by Tate Dalrymple and M. A. Benson: USGS--TWRI Book 3, Chapter A2. 1967. 12 pages.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages.
- 3-A4. *Measurement of peak discharge at width contractions by indirect methods*, by H. F. Matthai: USGS--TWRI Book 3, Chapter A4. 1967. 44 pages.
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages.
- 3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6. 1968. 13 pages.
- 3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages.
- 3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages.
- 3-A11. *Measurement of discharge by moving-boat method*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 3, Chapter A11. 1969. 22 pages.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages.
- 3-B2. *Introduction to ground-water hydraulics, a programed text for self-instruction*, by G. D. Bennett: USGS--TWRI Book 3, Chapter B2. 1976. 172 pages.
- 3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages.
- 3-C2. *Field methods for measurement of fluvial sediment*, by H. P. Guy and V. W. Norman: USGS--TWRI Book 3, Chapter C2. 1970. 59 pages.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages.
- 4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages.
- 4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages.
- 4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages.
- 4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages.
- 4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages.
- 4-D1. *Computation of rate and volume of stream depletion by wells*, by C. T. Jenkins: USGS--TWRI Book 4, Chapter D1. 1970. 17 pages.
- 5-A1. *Methods for determination of inorganic substances in water and fluvial sediments*, by M. W. Skougstad and others, editors: USGS--TWRI Book 5, Chapter A1. 1979. 626 pages.
- 5-A2. *Determination of minor elements in water by emission spectroscopy*, by P. R. Barnett and E. C. Mallory, Jr.: USGS--TWRI Book 5, Chapter A2. 1971. 31 pages.
- 5-A3. *Methods for analysis of organic substances in water*, by D. F. Goerlitz and Eugene Brown: USGS--TWRI Book 5, Chapter A3. 1972. 40 pages.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, edited by P. E. Greeson, T. A. Ehlike, G. A. Irwin, B. W. Lium, and K. V. Slack: USGS--TWRI Book 5, Chapter A4. 1977. 332 pages.
- 5-A5. *Methods for determination of radioactive substances in water and fluvial sediments*, by L. L. Thatcher, V. J. Janzer, and K. W. Edwards: USGS--TWRI Book 5, Chapter A5. 1977. 95 pages.
- 5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages.
- 7-C1. *Finite difference model for aquifer simulation in two dimensions with results of numerical experiments*, by P. C. Trescott, G. F. Pinder, and S. P. Larson: USGS--TWRI Book 7, Chapter C1. 1976. 116 pages.
- 7-C2. *Computer model of two-dimensional solute transport and dispersion in ground water*, by L. F. Konikow and J. D. Bredehoeft: USGS--TWRI Book 7, Chapter C2. 1978. 90 pages.
- 8-A1. *Methods of measuring water levels in deep wells*, by M. S. Garber and F. C. Koopman: USGS--TWRI Book 8, Chapter A1. 1968. 23 pages.
- 8-B2. *Calibration and maintenance of vertical-axis type current meters*, by G. F. Smoot and C. E. Novak: USGS--TWRI Book 8, Chapter B2. 1968. 15 pages.

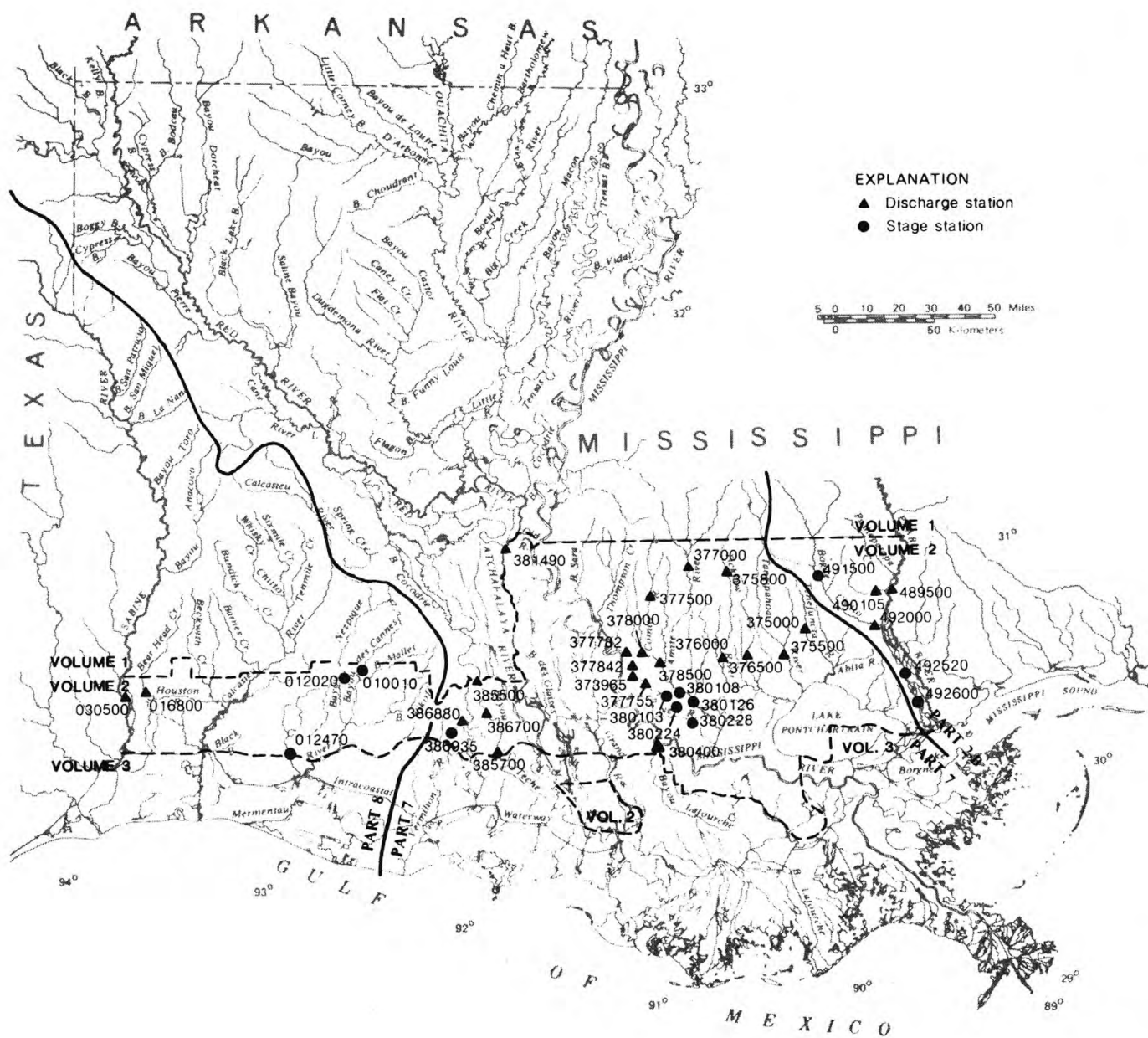


Figure 2.--Location of continuous gaging stations.

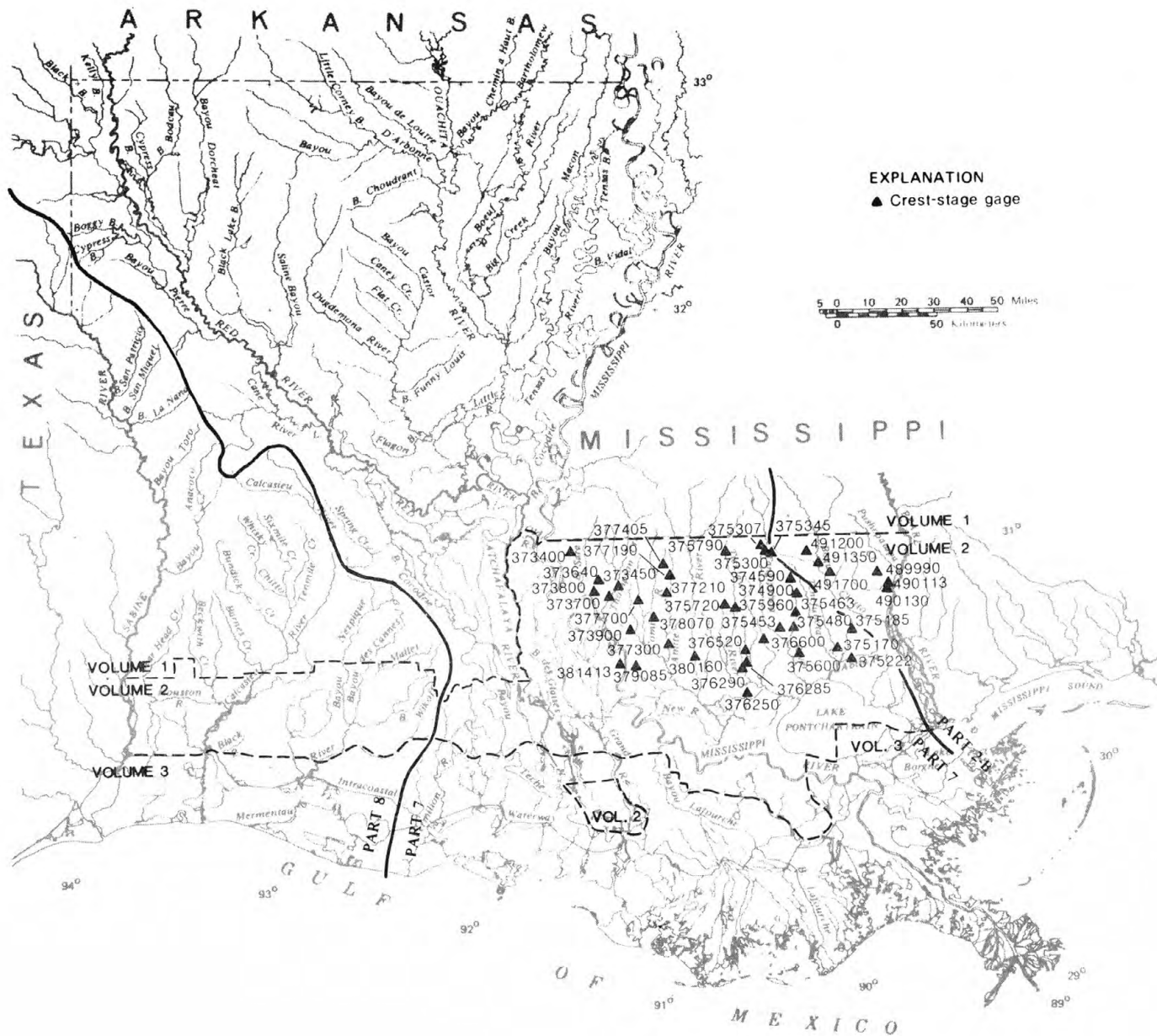
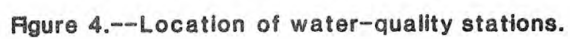


Figure 3.--Location of crest-stage stations.



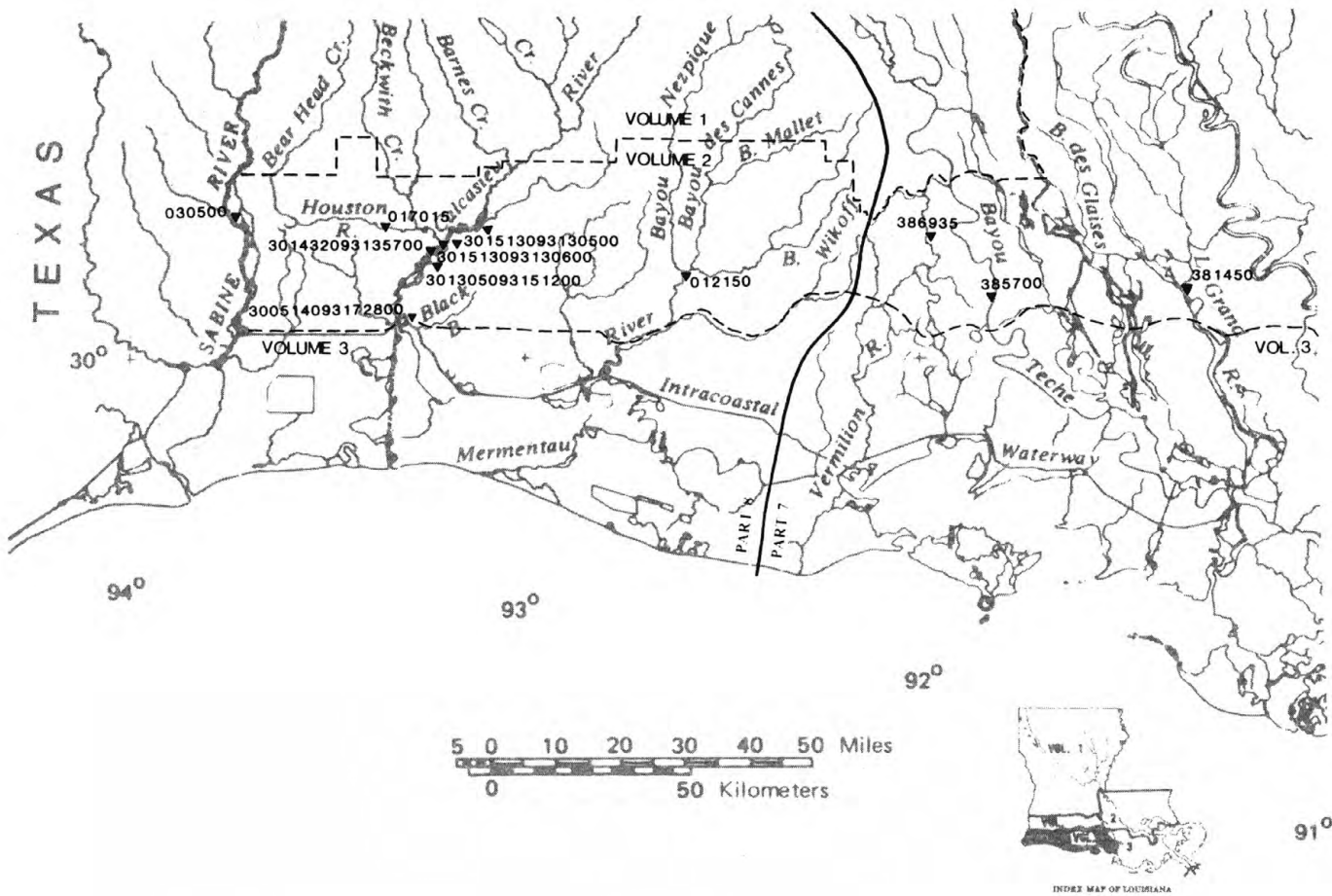


Figure 5.--Location of water-quality stations.

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°47'35", long 89°49'15", on line between secs.17 and 18, T.3 S., R.14 E., Washington Parish, Hydrologic Unit 03180004, near right bank on downstream side of bridge on State Highway 10, 2.0 mi (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.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 55.00 ft (16.764 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 29, 1954, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records good. Records of dissolved oxygen and water temperature for the 1980 water year are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--42 years, 9,768 ft³/s (276.6 m³/s), 20.01 in/yr (508 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 129,000 ft³/s (3,650 m³/s) Apr. 24, 1979, gage height, 23.23 ft (7.081 m); minimum, 1,020 ft³/s (28.9 m³/s) Oct. 29 to Nov. 1, 1963; minimum gage height, 4.84 ft (1.475 m) Oct. 30, 31, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Apr. 11, 1938, reached a stage of 21.0 ft (6.40 m).

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 107,000 ft³/s (3,020 m³/s) Mar. 31, gage height, 22.42 ft (6.834 m); minimum, 1,980 ft³/s (56.1 m³/s) Sept. 17, gage height, 8.03 ft (2.448).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18100	3000	29200	13200	35000	7350	94000	44000	14300	6900	4010	2670
2	17300	3370	30400	12200	34300	8110	89700	41900	13000	7050	3710	2590
3	16300	3170	30900	10900	33700	7320	89200	39600	11000	7400	3370	2450
4	14900	2960	32400	9640	32700	6860	85200	35600	8960	7980	3150	2350
5	12700	2880	33400	8150	31200	7040	78700	32400	7360	8810	3030	2320
6	10200	2900	34800	7220	29300	7150	71500	29600	6060	9340	2940	2270
7	8330	2900	35600	7330	25600	7090	65200	27400	5340	9150	2870	2240
8	6760	2850	36000	7470	20900	12900	61300	25600	5280	7990	2780	2240
9	5390	2710	35600	7670	17800	16600	60400	23100	5480	6090	2820	2200
10	4450	2630	34500	8980	19800	15400	55200	19400	5220	5080	2820	2150
11	3910	2810	31500	9600	25600	13800	51700	15400	4600	4570	2750	2090
12	3610	3640	22700	14400	31200	12500	50800	12900	4260	4010	2690	2080
13	3400	4620	13200	19600	35600	11400	54900	11200	4030	3520	2650	2110
14	3190	4880	12200	21700	39200	10500	66600	9460	3890	3250	2560	2120
15	3040	4290	16100	26700	40800	10700	80700	8110	3740	3110	2510	2060
16	2920	3650	20800	27800	40800	12400	84200	10400	3650	3000	2500	2000
17	2830	3330	24900	29200	40400	14700	80700	22000	3560	3020	2550	2010
18	2760	3290	27700	30200	37300	19700	78200	34600	3500	3000	2530	2040
19	2700	3280	28300	30900	34300	24600	77700	44200	3550	3060	2460	2090
20	2650	3210	25300	31700	31500	28000	74700	56500	3570	3370	2400	2110
21	2590	3050	19800	32000	29600	31300	68800	50300	3500	3850	2350	2090
22	2530	2850	16000	30900	28100	34600	56800	45400	3420	4240	2320	2100
23	2500	2820	13800	29600	24700	38800	59400	41000	3420	4600	2280	2070
24	2470	3210	12600	28900	19600	43700	56800	37100	3560	5070	2230	2030
25	2450	7320	12500	28900	15100	52600	55200	35400	3700	5400	2200	2010
26	2420	14400	13500	30700	11400	61100	60400	34100	3640	6000	2190	2170
27	2390	18700	14800	33000	9110	64200	62800	32400	3500	6020	2180	2250
28	2380	22300	15700	34800	7980	68100	54000	28700	3780	5900	2160	2140
29	2350	25600	15700	36000	7220	77200	48500	24000	4490	6140	2150	2050
30	2330	27700	14900	36000	---	99000	45400	19100	6060	4750	2210	2170
31	2450	---	14100	35600	---	104000	---	16000	---	4190	2290	---
TOTAL	172300	194320	718900	690960	789810	928720	2018700	906870	159420	165860	81660	65270
MEAN	5558	6477	23190	22290	27230	29960	67290	29250	5314	5350	2634	2176
MAX	18100	27700	36000	36000	40800	104000	94000	56500	14300	9340	4010	2670
MIN	2330	2630	12200	7220	7220	6860	45400	8110	3420	3000	2150	2000
CFSM	.84	.98	3.50	3.36	4.11	4.52	10.1	4.41	.80	.81	.40	.33
IN.	.97	1.09	4.03	3.88	4.43	5.21	11.33	5.09	.89	.93	.46	.37
CAL YR 1979 TOTAL	6986800	MEAN	19140	MAX	127000	MIN	2330	CFSM	2.89	IN	39.20	
WTR YR 1980 TOTAL	6892790	MEAN	18830	MAX	104000	MIN	2000	CFSM	2.84	IN	38.67	

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	17.94	9.38	19.05	16.65	19.40	13.77	21.93	19.85	17.02	13.54	11.13	9.19
2	17.77	9.92	19.13	16.27	19.36	14.26	21.76	19.75	16.60	13.63	10.75	9.05
3	17.58	9.63	19.16	15.74	19.33	13.75	21.74	19.64	15.80	13.84	10.27	8.82
4	17.23	9.33	19.25	15.12	19.27	13.42	21.58	19.43	14.76	14.18	9.95	8.65
5	16.48	9.20	19.31	14.28	19.18	13.55	21.32	19.25	13.82	14.67	9.78	8.59
6	15.42	9.24	19.39	13.68	19.06	13.63	21.03	19.08	13.03	14.97	9.65	8.51
7	14.39	9.24	19.43	13.76	18.79	13.59	20.77	18.93	12.53	14.87	9.53	8.46
8	13.35	9.15	19.45	13.86	18.33	16.47	20.61	18.79	12.49	14.19	9.38	8.47
9	12.28	8.92	19.43	14.00	17.87	17.63	20.57	18.57	12.63	13.05	9.44	8.39
10	11.32	8.78	19.37	14.77	18.20	17.35	20.35	18.14	12.44	12.31	9.44	8.32
11	10.65	9.09	19.20	15.10	18.79	16.88	20.20	17.34	11.92	11.86	9.33	8.22
12	10.26	10.30	18.53	17.06	19.18	16.40	20.16	16.56	11.50	11.15	9.23	8.20
13	9.96	11.53	16.67	18.17	19.43	15.96	20.34	15.87	11.21	10.50	9.15	8.24
14	9.66	11.79	16.28	18.42	19.62	15.56	20.83	15.03	11.03	10.11	9.00	8.27
15	9.44	11.13	17.53	18.88	19.70	15.66	21.40	14.26	10.85	9.90	8.92	8.16
16	9.26	10.31	18.32	18.96	19.70	16.35	21.54	14.94	10.73	9.75	8.90	8.07
17	9.11	9.85	18.73	19.05	19.68	17.15	21.40	18.22	10.60	9.78	8.99	8.08
18	9.00	9.80	18.95	19.12	19.52	18.18	21.30	19.38	10.51	9.75	8.96	8.13
19	8.90	9.79	18.99	19.16	19.36	18.71	21.28	19.86	10.58	9.83	8.84	8.21
20	8.82	9.69	18.77	19.21	19.20	18.97	21.16	20.41	10.61	10.28	8.74	8.24
21	8.71	9.45	18.20	19.23	19.08	19.19	20.92	20.14	10.51	10.93	8.66	8.22
22	8.62	9.15	17.49	19.16	18.98	19.38	20.42	19.92	10.40	11.42	8.61	8.23
23	8.56	9.10	16.87	19.08	18.72	19.60	20.53	19.71	10.40	11.87	8.54	8.18
24	8.51	9.69	16.42	19.03	18.17	19.84	20.42	19.51	10.60	12.28	8.46	8.12
25	8.49	13.53	16.40	19.03	17.28	20.24	20.35	19.42	10.80	12.54	8.40	8.08
26	8.44	17.00	16.75	19.15	15.95	20.60	20.57	19.35	10.71	12.97	8.39	8.35
27	8.39	18.03	17.21	19.29	14.85	20.73	20.67	19.25	10.51	12.98	8.37	8.48
28	8.36	18.49	17.43	19.39	14.18	20.89	20.30	19.02	10.90	12.90	8.34	8.30
29	8.32	18.79	17.42	19.45	13.68	21.26	20.06	18.65	11.78	13.07	8.32	8.14
30	8.28	18.95	17.22	19.45	---	22.13	19.92	18.10	13.03	12.00	8.42	8.34
31	8.49	---	16.96	19.43	---	22.33	---	17.50	---	11.35	8.56	---
MEAN	11.03	11.28	18.17	17.51	18.41	17.53	20.85	18.51	12.01	12.14	9.11	8.36
MAX	17.94	18.95	19.45	19.45	19.70	22.33	21.93	20.41	17.02	14.97	11.13	9.19
MIN	8.28	8.78	16.28	13.68	13.68	13.42	19.92	14.26	10.40	9.75	8.32	8.07

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1944, 1952-53, 1963 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1962 to September 1970, June 1975 to current year.

pH: June 1975 to current year.

WATER TEMPERATURES: November 1962 to September 1970, June 1975 to current year.

DISSOLVED OXYGEN: June 1975 to current year.

SUSPENDED SEDIMENT CONCENTRATIONS: April 1967 to current year.

SUSPENDED SEDIMENT DISCHARGE: April 1967 to current year.

SUSPENDED SEDIMENT SIEVE DIAMETER, PERCENT FINER THAN 0.62 MM: October 1979 to September 1980.

INSTRUMENTATION.--Water-quality monitor since June 1975.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 180 micromhos Sep. 10, 1965; minimum, 17 micromhos Apr. 26, 1979.

pH: Maximum, 8.4 units Oct. 19, 21, 1976; minimum, 5.4 units Jan. 23, 24, 1977, Jan. 18, 19, 20, 1980.

WATER TEMPERATURES: Maximum daily, 34.0°C July 14, 1967; minimum daily, 2.0°C Dec. 21, 1963.

DISSOLVED OXYGEN: Maximum, 12.9 mg/L Oct. 22, Dec. 1, 1976; minimum, 2.9 mg/L May 25, 1977.

SUSPENDED SEDIMENT CONCENTRATIONS: Maximum daily mean, 522 mg/L Dec. 17, 1967; minimum daily mean, 2 mg/L Nov. 11-13, 1970, Oct. 15, 17, Nov. 14, 1971.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily mean, 60,700 tons (55,100 tonnes) Mar. 31, 1980; minimum daily mean, 7 tons (6.35 tonnes) Nov. 11-13, 1970.

SUSPENDED SEDIMENT SIEVE DIAMETER, PERCENT FINER THAN 0.62 MM: Maximum daily, 99 percent Aug. 21, 1980; minimum daily, 34 percent Mar. 30, 1980.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 110 micromhos Aug. 20; minimum, 21 micromhos May 20.

pH: Maximum, 6.9 units Oct. 10, Sep. 24; minimum, 5.4 units Jan. 18, 19, 20.

WATER TEMPERATURES: Maximum, 32.5°C July 14; minimum, 7.0°C Feb. 12, 13, 14, 17, 18.

SUSPENDED SEDIMENT CONCENTRATION: Maximum daily mean, 393 mg/L Jan. 13; minimum daily mean, 37 mg/L June 16.

SUSPENDED SEDIMENT DISCHARGE: Maximum daily mean, 60,700 tons (55,100 tonnes) Mar. 31; minimum daily mean, 267 tons (242 tonnes) Sep. 15.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM 5 DAY UNINHIB (MG/L)	COLI- FORM, FECAL, U./ UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 22...	1100	2530	92	6.4	24.0	10	11	8.2	1.5	K30	260
NOV 08...	1010	2870	100	6.4	16.5	15	9.0	11.1	.8	K20	7800
DEC 18...	1100	27700	52	5.9	10.0	50	72	10.2	2.3	K1300	1000
JAN 22...	1015	30900	86	5.8	14.5	80	32	9.1	--	K25	160
FEB 19...	1145	34300	48	6.2	9.0	70	42	11.2	3.1	110	120
MAR 05...	1030	7010	72	6.2	11.5	30	19	10.8	2.5	500	1900
APR 01...	1200	93200	36	5.9	17.0	60	54	8.4	--	500	310
MAY 14...	1130	9480	56	6.2	23.0	50	35	7.5	2.0	<4	1100
JUN 06...	1130	6300	64	6.2	27.5	50	32	7.7	3.1	K24	340
JUL 02...	1500	7150	61	7.0	31.5	70	52	7.4	1.3	K20	260
AUG 11...	1115	2950	79	6.2	30.0	20	15	7.5	2.5	160	740
SEP 05...	0745	2410	148	6.6	27.0	20	12	7.3	1.0	K100	6100

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CACO3)
OCT 22...	19	0	5.0	1.6	11	61	1.1	2.2	23	0	19
NOV 08...	17	0	4.8	1.2	12	63	1.3	2.6	24	0	20
DEC 18...	15	9	3.4	1.6	3.3	28	.4	2.7	7	0	6
JAN 22...	12	6	3.5	.8	15	68	1.9	2.4	7	0	6
FEB 19...	11	4	2.9	.9	4.8	45	.6	1.5	8	0	7
MAR 05...	18	6	5.2	1.2	6.9	42	.7	1.9	15	0	12
APR 01...	8	5	2.0	.8	2.4	33	.4	1.7	4	0	3
MAY 14...	13	1	3.5	1.0	4.2	38	.5	1.6	14	0	11
JUN 06...	15	4	4.1	1.1	5.2	40	.6	1.7	13	0	11
JUL 02...	14	0	4.4	.8	5.2	41	.6	1.6	17	0	14
AUG 11...	16	0	3.9	1.4	11	57	1.2	1.9	24	0	20
SEP 05...	19	1	4.8	1.7	19	64	1.9	3.0	22	0	18

DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FI)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
OCT 22...	15	11	9.1	.0	12	79	64	.11	.35	.05	.04
NOV 08...	15	12	8.8	.1	10	83	64	.11	.40	.43	.14
DEC 18...	14	10	5.2	.1	6.5	44	36	.06	--	.36	.14
JAN 22...	18	9.3	21	.0	8.6	--	64	--	.19	.19	.16
FEB 19...	8.0	8.4	4.4	.0	7.2	43	35	.06	.16	.16	.12
MAR 05...	15	11	7.3	.1	9.7	54	51	.07	.24	.24	.07
APR 01...	8.0	6.5	3.2	.0	4.0	37	23	.05	.10	.09	.20
MAY 14...	14	5.8	4.0	.1	7.7	45	35	.06	.23	.24	.13
JUN 06...	13	7.4	5.4	.0	6.8	46	38	.06	.16	.15	.04
JUL 02...	2.7	3.8	5.0	.1	5.8	52	35	.07	.37	.29	.04
AUG 11...	24	7.3	7.7	.1	8.7	59	54	.08	.00	.00	.04
SEP 05...	8.8	17	23	.1	6.0	79	86	.11	.00	.00	.09

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH ₄)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH ₄)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH ₄ + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO ₃)
OCT 22...	.06	.05	.08	--	.68	--	--	.74	--	.79	--
NOV 08...	.03	.17	.04	.73	.75	.87	.09	.78	1.3	1.2	5.6
DEC 18...	.12	.17	.15	.96	1.2	1.1	--	1.3	--	1.7	--
JAN 22...	.00	.19	.00	1.0	.74	1.2	.46	.74	1.4	.93	6.2
FEB 19...	.12	.15	.15	.61	.39	.73	.22	.51	.89	.67	3.9
MAR 05...	.07	.08	.09	.93	1.2	1.0	--	1.3	1.2	1.5	5.5
APR 01...	.20	.24	.26	1.1	1.1	1.3	.00	1.3	1.4	1.4	6.2
MAY 14...	.12	.17	.16	1.1	1.5	1.2	--	1.6	1.4	1.8	6.3
JUN 06...	.06	.05	.08	1.4	.84	1.4	.50	.90	1.6	1.1	6.9
JUL 02...	.01	.05	.01	.82	.39	.86	.46	.40	1.2	.69	5.4
AUG 11...	.05	.05	.06	.81	.73	.85	.07	.78	.85	.78	3.8
SEP 05...	--	.11	--	.91	--	1.0	--	1.2	1.0	1.2	4.4

DATE	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS PO ₄)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE (MG/L AS C)
OCT 22...	.060	.18	.050	0	0	0	--	--	--
NOV 08...	.060	.18	.030	--	--	--	7.3	--	--
DEC 18...	.150	.46	.040	0	--	--	11	--	--
JAN 22...	.080	.25	.050	0	0	0	--	6.7	3.4
FEB 19...	.080	.25	.010	--	--	--	7.8	--	--
MAR 05...	.060	.18	.020	0	--	--	5.2	--	--
APR 01...	.080	.25	.040	0	0	0	--	7.8	2.1
MAY 14...	.090	.28	.030	0	--	--	11	--	--
JUN 06...	.090	.28	.020	--	--	--	5.8	--	--
JUL 02...	.080	.25	.050	0	0	0	--	8.2	1.9
AUG 11...	.070	.21	.040	0	--	--	6.7	--	--
SEP 05...	.060	.18	.020	--	--	--	5.8	--	--

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BARIIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 22...	1	0	1	200	180	20	1	0	1	0
JAN 22...	1	1	0	--	--	30	0	--	<1	10
APR 01...	1	1	0	--	--	30	1	--	2	10
JUL 02...	2	1	1	--	--	30	1	0	1	--

< Actual value is known to be less than the value shown.

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CHROMIUM, SUS- PENDE RECov. (UG/L AS CR)	CHROMIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECov- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECov- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECov- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECov- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECov- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 22...	0	0	0	<3	0	0	0	970	760	210
JAN 22...	10	0	0	<3	3	1	2	900	720	180
APR 01...	10	0	1	<3	15	2	13	1800	1700	130
JUL 02...	--	10	1	<3	7	3	4	3200	2900	300

DATE	LEAD, TOTAL RECov- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECov- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGANESE, TOTAL RECov- ERABLE (UG/L AS MN)	MANGANESE, SUS- PENDE RECov- ERABLE (UG/L AS MN)	MANGANESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECov- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECov- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 22...	5	5	0	300	280	20	.1	.1	.0
JAN 22...	3	1	2	90	70	20	.1	.1	.0
APR 01...	13	12	1	80	20	60	.1	.1	.0
JUL 02...	25	25	0	270	250	20	.1	.1	.0

DATE	NICKEL, TOTAL RECov- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECov- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELENIUM, TOTAL RECov- ERABLE (UG/L AS SE)	SELENIUM, SUS- PENDE RECov- ERABLE (UG/L AS SE)	SELENIUM, DIS- SOLVED (UG/L AS SE)	ZINC, TOTAL RECov- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECov- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 22...	2	0	2	0	0	0	10	0	10
JAN 22...	0	0	0	0	0	0	20	10	10
APR 01...	3	0	3	0	0	0	40	20	20
JUL 02...	6	0	6	0	0	0	40	30	8

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)
NOV 08...	37000
MAR 05...	3300
MAY 14...	4000
JUN 06...	8600
JUL 02...	16000

< Actual value is known to be less than the value shown.

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	64	53	---	---	49	47	53	50	---	---	---	---
2	56	53	---	---	50	48	54	51	---	---	---	---
3	56	54	---	---	51	49	55	53	---	---	---	---
4	58	55	---	---	---	---	57	54	---	---	---	---
5	61	57	---	---	---	---	60	56	---	---	---	---
6	62	60	---	---	---	---	62	59	---	---	---	---
7	63	60	---	---	---	---	67	62	---	---	---	---
8	67	61	---	---	---	---	66	63	---	---	---	---
9	70	66	---	---	---	---	67	60	---	---	---	---
10	71	69	---	---	---	---	69	58	---	---	---	---
11	72	69	---	---	---	---	60	57	---	---	---	---
12	73	69	---	---	---	---	65	48	---	---	---	---
13	78	72	---	---	---	---	49	44	---	---	---	---
14	80	76	---	---	---	---	42	35	---	---	61	58
15	81	77	---	---	---	---	48	34	---	---	58	55
16	81	78	---	---	---	---	52	48	---	---	61	52
17	84	79	---	---	51	47	55	52	---	---	69	59
18	87	83	---	---	53	50	62	50	---	---	62	54
19	91	86	---	---	53	51	---	---	---	---	53	45
20	92	89	---	---	52	50	---	---	---	---	45	42
21	94	91	---	---	52	50	---	---	---	---	43	41
22	95	92	---	---	57	52	---	---	---	---	43	41
23	---	---	---	---	58	54	---	---	---	---	44	41
24	---	---	---	---	59	55	---	---	---	---	43	41
25	---	---	---	---	59	56	---	---	---	---	41	38
26	---	---	---	---	57	54	---	---	---	---	38	35
27	---	---	---	---	56	53	---	---	---	---	---	---
28	---	---	56	47	61	56	---	---	---	---	---	---
29	---	---	50	46	60	56	---	---	---	---	---	---
30	---	---	50	48	55	53	---	---	---	---	---	---
31	---	---	---	---	54	52	---	---	---	---	---	---

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	43	38	55	53	---	---	78	74	---	---
2	---	---	44	43	54	52	---	---	85	77	---	---
3	---	---	43	42	56	53	61	56	85	81	---	---
4	---	---	43	39	57	53	65	61	82	78	---	---
5	---	---	39	37	63	56	64	57	80	75	---	---
6	---	---	38	36	66	61	58	56	84	77	---	---
7	---	---	42	37	68	63	57	54	89	82	---	---
8	---	---	46	42	70	65	57	53	90	87	---	---
9	---	---	46	45	68	66	60	56	91	86	---	---
10	37	35	49	45	68	65	---	---	93	88	---	---
11	38	36	53	49	68	65	---	---	---	---	---	---
12	39	37	55	51	67	63	---	---	91	87	---	---
13	39	36	56	54	72	66	---	---	95	90	72	70
14	34	28	54	51	76	70	---	---	93	89	74	70
15	28	25	54	52	78	74	---	---	90	86	76	73
16	25	22	55	50	77	74	---	---	93	89	77	73
17	23	22	50	32	76	73	---	---	98	92	77	72
18	25	22	32	29	76	73	---	---	102	95	76	72
19	26	24	30	23	75	70	---	---	105	101	78	74
20	27	25	25	21	75	71	---	---	110	103	78	76
21	28	26	31	25	78	73	---	---	109	105	80	76
22	31	28	35	30	79	76	---	---	105	99	82	78
23	32	30	39	35	80	77	70	61	---	---	81	78
24	32	31	40	38	78	76	64	59	---	---	84	80
25	33	31	43	38	79	76	75	61	---	---	82	79
26	32	30	49	43	81	78	89	76	---	---	82	76
27	32	30	51	48	80	78	90	82	---	---	78	71
28	34	31	51	48	84	77	102	81	---	---	84	78
29	34	33	53	50	83	73	99	59	---	---	81	74
30	39	34	54	51	105	83	74	58	---	---	75	72
31	---	---	57	53	---	---	74	73	---	---	---	---

PH (STANDARD UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		
1	6.6	6.4	---	---	5.8	5.8	---	---	5.8	5.8	5.9	5.9
2	6.6	6.6	---	---	5.8	5.8	---	---	5.8	5.8	6.0	5.9
3	6.6	6.6	---	---	5.8	5.7	---	---	5.8	5.8	6.0	6.0
4	6.6	6.6	---	---	---	---	---	---	5.9	5.8	6.0	6.0
5	6.6	6.6	---	---	---	---	---	---	---	---	6.1	6.0
6	6.7	6.6	6.8	6.4	---	---	5.9	5.8	5.9	5.8	6.0	6.0
7	6.7	6.6	6.7	6.4	---	---	6.0	5.9	5.8	5.8	6.0	5.9
8	6.8	6.7	6.6	6.4	---	---	6.0	5.9	5.8	5.8	5.9	5.8
9	6.8	6.7	6.6	6.4	---	---	5.9	5.9	5.9	5.8	5.8	5.7
10	6.9	6.7	6.4	6.3	---	---	5.9	5.8	5.9	5.8	5.9	5.7
11	---	---	6.4	6.3	---	---	5.8	5.8	---	---	5.9	5.8
12	---	---	6.6	6.4	---	---	5.8	5.7	---	---	5.8	5.8
13	---	---	6.5	6.4	---	---	5.7	5.7	---	---	5.9	5.8
14	---	---	6.4	6.3	---	---	5.6	5.5	---	---	5.9	5.8
15	---	---	6.3	6.3	---	---	5.7	5.5	---	---	6.0	5.9
16	---	---	6.3	6.3	---	---	5.7	5.6	---	---	6.0	5.8
17	---	---	6.3	6.2	---	---	5.6	5.5	---	---	6.0	5.8
18	---	---	6.3	6.2	---	---	5.5	5.4	---	---	---	---
19	---	---	6.3	6.2	---	---	5.4	5.4	---	---	---	---
20	---	---	6.2	6.2	---	---	5.5	5.4	---	---	---	---
21	---	---	6.2	6.2	---	---	---	---	---	---	---	---
22	---	---	6.2	6.1	---	---	---	---	---	---	---	---
23	---	---	6.2	6.2	---	---	---	---	---	---	---	---
24	---	---	6.2	6.2	---	---	---	---	---	---	---	---
25	---	---	6.2	6.2	---	---	---	---	---	---	---	---
26	---	---	6.2	5.7	---	---	5.7	5.7	---	---	---	---
27	---	---	5.8	5.8	---	---	5.8	5.7	---	---	---	---
28	---	---	5.8	5.7	---	---	5.8	5.7	5.9	5.9	---	---
29	---	---	---	---	---	---	5.8	5.7	5.9	5.9	---	---
30	---	---	5.8	5.7	---	---	5.7	5.7	---	---	---	---
31	---	---	---	---	---	---	5.8	5.7	---	---	---	---
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
1	---	---	---	---	---	---	---	6.4	6.1	6.5	6.3	
2	---	---	---	---	---	---	---	6.4	6.1	6.6	6.4	
3	---	---	---	---	---	---	---	6.2	6.1	6.7	6.4	
4	---	---	---	---	---	---	---	6.3	6.0	6.6	6.5	
5	---	---	---	---	---	---	---	6.2	6.0	6.6	6.6	
6	---	---	---	---	---	---	---	6.3	6.0	6.7	6.5	
7	---	---	---	---	---	---	---	6.4	6.1	6.8	6.6	
8	---	---	---	---	---	---	---	6.4	6.1	6.7	6.6	
9	---	---	---	---	---	---	---	6.4	6.1	6.6	6.5	
10	---	---	---	---	---	---	---	6.3	6.1	6.8	6.4	
11	---	---	---	---	---	6.3	6.1	6.3	6.1	6.7	6.6	
12	---	---	---	---	---	6.4	6.1	6.4	6.1	6.7	6.6	
13	---	---	---	---	---	6.4	6.2	6.3	6.1	6.7	6.6	
14	---	---	---	---	---	6.4	6.2	6.2	6.1	6.7	6.5	
15	---	---	---	---	---	6.4	6.2	6.1	6.0	6.6	6.5	
16	---	---	---	---	---	6.2	6.3	6.1	6.0	6.8	6.4	
17	---	---	---	---	---	6.3	6.1	6.2	6.0	6.7	6.6	
18	---	---	---	---	---	6.3	6.2	6.3	6.1	6.8	6.5	
19	---	---	---	---	---	6.3	6.2	6.2	6.1	6.8	6.6	
20	---	---	---	---	---	6.2	6.1	6.2	6.1	6.8	6.6	
21	---	---	---	---	---	6.1	6.0	6.1	6.1	6.7	6.6	
22	---	---	---	---	---	6.2	6.0	6.1	6.0	6.7	6.5	
23	---	---	---	---	---	6.2	6.0	6.2	6.1	6.8	6.5	
24	---	---	---	---	---	6.2	6.0	6.1	6.0	6.9	6.6	
25	---	---	---	---	---	6.3	6.1	6.2	6.0	6.8	6.6	
26	---	---	---	---	---	---	---	6.2	6.0	6.7	6.6	
27	---	---	---	---	---	---	---	6.3	6.1	6.6	6.4	
28	---	---	---	---	---	---	---	6.4	6.2	6.5	6.4	
29	---	---	---	---	---	6.3	6.0	6.4	6.3	6.4	6.2	
30	---	---	---	---	---	6.1	5.9	6.4	6.2	6.2	6.2	
31	---	---	---	---	---	6.2	6.0	6.3	6.2	---	---	

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		
1	---	---	21.0	20.0	10.5	10.5	10.0	9.5	10.0	9.0	14.5	12.0
2	24.5	24.0	20.0	19.0	10.5	10.0	10.0	9.5	9.0	8.5	12.0	10.0
3	24.0	23.5	18.5	18.0	10.0	9.5	10.0	9.5	8.5	8.0	10.5	9.0
4	23.5	23.0	17.5	16.5	---	---	10.0	9.5	8.5	8.0	11.0	10.0
5	23.0	22.0	---	---	---	---	9.0	9.0	---	---	12.5	11.0
6	22.5	21.5	17.5	16.0	---	---	9.5	8.5	8.0	7.5	13.0	12.0
7	22.5	21.5	17.0	16.0	---	---	10.5	9.5	8.0	7.5	15.0	13.0
8	23.0	22.0	17.0	16.0	---	---	10.5	10.0	8.5	7.5	16.0	15.0
9	23.5	22.5	18.5	16.5	---	---	11.0	10.5	8.5	8.0	16.5	16.0
10	23.0	22.0	18.5	17.5	---	---	12.0	11.0	8.0	8.0	17.5	16.0
11	21.5	20.5	17.5	16.0	---	---	13.0	12.0	8.0	7.5	16.5	16.5
12	21.5	20.5	16.0	15.0	---	---	13.0	12.5	7.5	7.0	17.0	16.0
13	22.0	21.0	15.5	14.5	---	---	12.5	12.0	7.0	7.0	---	---
14	21.5	20.5	14.5	13.5	---	---	13.0	12.0	7.5	7.0	16.5	16.0
15	20.5	19.5	14.0	13.0	---	---	13.5	12.5	8.0	7.5	16.0	15.5
16	21.0	19.5	14.0	12.5	---	---	13.0	12.5	8.0	7.5	15.5	15.0
17	22.0	20.5	14.0	12.5	---	---	12.5	12.0	7.5	7.0	15.0	14.5
18	22.5	21.0	14.0	13.0	10.5	9.0	13.0	12.0	7.5	7.0	14.5	14.0
19	23.0	21.5	14.5	13.5	9.5	9.0	13.5	12.5	8.0	7.5	14.5	14.0
20	23.5	22.5	15.5	14.0	9.5	9.0	13.5	13.0	9.0	8.0	15.0	14.0
21	24.0	23.0	16.5	15.0	9.5	9.0	13.0	13.0	9.5	9.0	15.5	14.5
22	---	---	17.0	16.5	10.0	9.5	13.5	13.0	11.0	9.5	15.5	14.5
23	---	---	17.0	15.0	11.5	10.0	12.5	12.0	12.0	10.5	15.5	14.5
24	21.0	20.0	15.0	14.0	12.0	11.5	12.0	11.0	13.5	11.5	16.0	15.5
25	19.5	18.5	14.0	13.5	12.5	11.5	12.0	11.5	14.5	13.0	16.0	15.0
26	19.0	18.0	13.5	13.0	12.5	11.5	12.0	11.5	13.5	12.5	15.5	15.0
27	19.5	18.0	13.0	12.5	12.5	11.5	11.5	11.5	13.0	12.0	---	---
28	20.0	18.5	12.5	12.0	12.0	11.5	11.5	11.0	14.0	12.5	15.0	15.0
29	20.5	19.5	12.0	11.0	11.5	11.0	11.0	11.0	14.5	13.5	15.5	15.0
30	21.5	20.0	11.0	10.5	10.5	10.0	11.5	10.5	---	---	16.0	15.0
31	21.5	21.0	---	---	10.0	9.5	11.5	10.0	---	---	16.0	15.5

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
1	16.5	16.0	19.5	19.0	26.5	25.5	31.0	30.0	30.5	29.0	28.5	28.0
2	16.5	16.0	19.5	19.5	27.0	26.0	31.0	30.5	30.0	29.0	28.5	27.5
3	16.5	16.0	20.0	19.5	27.5	26.5	30.5	30.0	29.5	28.5	28.5	27.5
4	17.0	16.5	20.5	20.0	27.5	26.5	31.0	30.0	29.0	28.0	28.0	27.0
5	17.0	16.5	21.0	20.0	28.5	27.0	31.0	30.0	29.5	28.0	27.0	26.5
6	17.5	16.5	21.0	20.5	29.0	27.5	31.5	30.5	30.0	28.5	27.5	26.5
7	17.5	17.0	21.5	21.0	29.0	28.0	31.5	31.0	30.5	29.0	28.5	26.5
8	18.5	17.5	21.5	21.0	29.0	28.0	31.0	30.0	30.0	29.5	29.0	27.5
9	18.5	17.5	22.0	21.5	28.5	27.0	31.0	30.0	30.5	29.5	29.0	28.0
10	18.5	17.5	22.5	21.5	27.5	26.5	31.0	30.5	30.0	29.5	---	---
11	18.0	18.0	23.0	22.0	28.0	26.5	31.5	30.5	30.0	29.0	29.5	28.5
12	18.0	17.5	23.5	22.5	27.5	26.0	32.0	30.5	30.5	29.0	29.0	28.5
13	17.5	17.0	23.5	23.0	27.0	26.0	32.0	31.0	30.5	29.5	28.5	27.5
14	16.5	16.0	23.5	23.0	27.5	26.0	32.5	31.0	30.5	29.5	29.0	28.0
15	16.0	15.5	23.5	23.0	28.0	26.5	32.0	31.0	31.0	29.5	29.0	28.0
16	16.0	15.5	23.0	22.0	28.0	26.5	---	---	30.5	29.5	29.0	28.0
17	16.5	15.5	22.0	21.5	28.5	27.0	31.0	29.0	30.0	28.5	29.0	27.0
18	16.5	16.0	21.5	21.0	28.0	27.5	29.0	28.5	30.5	29.0	27.5	26.5
19	16.0	15.5	21.5	21.0	28.0	27.5	28.5	27.5	31.0	29.5	27.0	26.5
20	17.0	16.0	21.5	21.0	28.0	27.0	28.0	27.0	31.5	30.0	27.0	26.5
21	17.5	16.5	21.5	21.0	28.0	27.0	27.0	26.5	31.5	30.0	28.0	26.5
22	18.0	17.0	22.0	21.5	28.5	27.5	27.0	26.5	31.0	30.0	29.0	27.5
23	18.5	17.5	23.0	22.0	28.0	27.0	27.0	26.0	30.5	29.0	29.0	27.5
24	19.0	18.0	23.5	22.5	27.0	26.5	27.5	26.5	29.5	28.5	29.0	28.0
25	19.5	18.5	23.5	23.0	27.5	26.5	28.5	27.0	29.5	28.5	28.5	28.0
26	20.0	19.0	24.5	23.5	28.0	26.5	---	---	29.0	28.5	28.0	27.5
27	19.5	18.5	25.0	24.0	28.5	27.0	29.0	28.0	29.0	28.0	27.5	26.5
28	19.0	18.0	25.5	24.5	29.0	28.0	28.5	28.0	28.5	28.0	27.0	26.0
29	---	---	26.0	25.0	29.5	28.0	28.5	27.5	28.5	27.5	27.0	26.5
30	19.0	18.5	26.0	25.0	30.5	29.0	29.5	28.0	28.5	27.5	27.0	25.5
31	---	---	26.5	25.5	---	---	30.0	29.0	29.0	28.0	---	---

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1			---	---	9.8	9.6	10.4	10.3	10.3	10.1		
2			---	---	9.9	9.4	10.4	10.2	10.6	10.1		
3			---	---	9.4	9.1	10.3	10.1	10.7	10.5		
4			---	---	---	---	10.1	9.9	10.7	10.5		
5			---	---	---	---	9.9	9.8	11.4	7.2		
6			---	---	---	---	9.8	9.5	11.4	11.3		
7			---	---	---	---	9.6	9.2	11.3	11.1		
8			---	---	---	---	9.2	8.7	11.1	10.9		
9			---	---	---	---	---	---	10.9	10.6		
10			---	---	---	---	---	---	10.9	10.7		
11			---	---	10.7	10.2	---	---	10.9	10.8		
12			---	---	10.2	9.5	---	---	11.5	10.8		
13			---	---	9.4	9.1	---	---	11.5	11.4		
14			---	---	9.3	9.0	---	---	11.4	11.3		
15			---	---	9.3	9.0	---	---	11.3	11.1		
16			---	---	9.1	8.6	---	---	11.1	11.0		
17			---	---	8.8	7.4	---	---	11.0	11.0		
18			---	---	---	---	---	---	11.1	10.8		
19			---	---	10.2	10.1	---	---	11.0	10.6		
20			---	---	10.4	10.2	---	---	11.7	10.5		
21			---	---	10.5	10.4	---	---	11.5	11.2		
22			---	---	10.6	10.4	---	---	11.2	10.8		
23			---	---	10.6	10.4	---	---	10.8	10.3		
24			---	---	10.4	10.0	---	---	10.3	9.0		
25			---	---	10.0	9.8	---	---	---	---		
26			---	---	9.9	9.8	---	---	---	---		
27			9.4	8.8	9.8	9.7	---	---	---	---		
28			9.5	9.4	9.9	9.7	---	---	---	---		
29			9.5	9.4	10.1	9.8	---	---	---	---		
30			9.7	9.5	10.2	10.1	---	---	---	---		
31			---	---	10.4	10.2	---	---	---	---		

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCTOBER				NOVEMBER			DECEMBER		
1	132	6450	76	151	1220	91	274	21600	64
2	130	6070	80	135	1230	81	244	20000	63
3	125	5500	80	120	1030	99	235	19600	64
4	113	4550	80	103	823	87	229	20000	61
5	106	3640	85	---	---	---	210	18900	60
6	107	2950	85	86	673	91	200	18800	60
7	93	2090	84	95	744	88	197	18900	54
8	83	1520	83	95	731	88	192	18700	54
9	74	1080	88	97	710	90	178	17100	50
10	70	841	88	98	696	90	171	15900	52
11	77	813	84	---	---	---	165	14000	56
12	89	867	80	135	1330	72	104	6370	67
13	93	854	83	117	1460	81	144	5130	95
14	92	792	59	102	1340	78	199	6560	97
15	96	788	61	86	996	83	224	9740	91
16	99	780	97	81	798	80	362	20300	86
17	102	779	94	82	737	80	292	19600	77
18	103	767	88	82	728	78	222	16600	71
19	105	765	94	103	912	80	196	15000	60
20	100	715	73	140	1210	74	163	11100	67
21	93	650	97	133	1100	59	126	6740	74
22	82	560	91	119	916	64	107	462	90
23	75	506	94	111	845	73	91	3390	82
24	71	473	84	116	1010	78	75	2550	90
25	68	450	85	160	3160	84	82	2770	86
26	64	418	85	294	11400	83	103	3750	88
27	54	348	94	392	19800	82	119	4760	87
28	51	328	95	368	22200	91	144	6100	83
29	52	317	93	340	23500	71	134	5680	82
30	52	314	91	307	23000	64	124	4990	78
31	100	661	82	---	---	---	120	4570	79
JANUARY				FEBRUARY			MARCH		
1	92	3280	83	184	17400	52	---	---	---
2	78	2570	86	182	16900	52	---	---	---
3	79	2330	91	166	15100	53	---	---	---
4	75	1950	93	156	13800	49	56	1040	91
5	71	1560	91	148	12500	46	58	1100	91
6	72	1400	90	141	11200	48	62	1200	93
7	74	1400	92	137	9470	83	---	---	---
8	68	1470	87	122	9190	55	---	---	---
9	64	1370	89	107	5140	67	222	9950	81
10	80	1330	86	162	8660	68	165	6860	85
11	109	2830	77	257	17800	69	133	4960	80
12	242	9410	78	300	25300	63	117	3950	90
13	393	28800	75	242	23300	59	97	2990	80
14	360	21100	80	199	21100	54	84	2380	94
15	303	21800	73	141	15500	49	91	2630	84
16	241	18100	68	302	33300	46	130	4350	86
17	---	---	---	---	---	---	226	8970	92
18	---	---	---	---	---	---	218	11600	78
19	---	---	---	---	---	---	228	15100	72
20	---	---	---	---	---	---	246	18600	73
21	---	---	---	---	---	---	246	20800	66
22	158	13200	57	---	---	---	216	20200	64
23	154	12300	61	---	---	---	218	22800	66
24	157	12300	62	---	---	---	220	26000	54
25	210	16400	68	---	---	---	258	36600	39
26	231	19100	60	---	---	---	250	41200	40
27	206	18400	60	---	---	---	232	40200	36
28	200	18800	61	---	---	---	223	41000	42
29	198	19200	54	---	---	---	194	40400	36
30	189	18400	52	---	---	---	209	55900	34
31	193	18600	50	---	---	---	216	60700	36

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUISA, LA--Continued

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	SED. SUSP. SIEVE	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	SED. SUSP. SIEVE	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	SED. SUSP. SIEVE
			DIAM. % FINER THAN .062 MM			DIAM. % FINER THAN .062 MM			DIAM. % FINER THAN .062 MM
APRIL									
1	178	45200	44	118	14000	66	86	3320	91
2	169	40900	47	114	12900	62	76	2670	91
3	181	43600	48	---	---	---	76	2260	94
4	159	36600	45	---	---	---	70	1690	99
5	130	27600	54	---	---	---	72	1430	95
6	121	23400	49	---	---	---	74	1210	92
7	112	19700	50	---	---	---	72	1040	80
8	122	20200	48	112	7740	73	70	998	85
9	126	20500	45	118	7360	76	68	1010	98
10	129	19200	47	115	6020	84	58	817	98
11	118	16500	52	118	4910	89	59	733	97
12	112	15400	50	100	3480	86	64	736	93
13	123	18200	46	83	2510	87	52	566	96
14	163	29300	42	86	2200	89	48	504	80
15	176	38300	46	90	1970	84	41	414	80
16	159	36100	51	194	5450	91	37	365	95
17	151	32900	59	138	8200	88	44	423	93
18	133	28100	62	242	22600	75	41	387	92
19	119	25000	57	223	26600	65	53	508	92
20	112	22600	54	184	28100	46	57	549	78
21	108	20100	62	139	18900	56	48	454	82
22	104	15900	44	125	15300	55	46	425	91
23	106	17000	59	119	13200	59	41	379	98
24	123	18900	49	126	12600	65	45	432	92
25	109	16200	50	130	12400	68	39	390	90
26	106	17300	48	126	11600	69	46	452	88
27	105	17800	50	122	10700	66	46	435	90
28	110	16000	51	124	9610	73	42	429	80
29	115	15100	71	108	7000	78	53	642	77
30	124	15200	63	105	5420	78	69	1130	81
31				90	3890	93			
JULY									
AUGUST									
SEPTEMBER									
1	---	---	---	49	531	90	86	620	92
2	---	---	---	62	621	80	73	510	83
3	---	---	---	62	564	77	67	443	88
4	---	---	---	64	544	82	---	---	---
5	---	---	---	80	654	81	---	---	---
6	---	---	---	72	572	93	---	---	---
7	---	---	---	82	635	86	66	399	91
8	---	---	---	70	615	90	60	363	93
9	---	---	---	75	571	90	56	333	91
10	---	---	---	80	609	88	52	302	74
11	---	---	---	73	542	82	50	282	71
12	---	---	---	67	487	82	48	270	76
13	---	---	---	76	544	76	52	296	70
14	---	---	---	65	449	79	52	298	75
15	---	---	---	54	366	85	48	267	72
16	---	---	---	54	364	82	79	427	88
17	58	473	91	51	351	94	84	456	97
18	54	437	90	47	321	94	78	430	93
19	62	512	89	44	292	97	76	429	94
20	65	591	87	45	292	97	74	422	92
21	118	1230	74	50	317	99	74	418	92
22	111	1270	74	48	301	92	---	---	---
23	91	1130	72	44	271	99	---	---	---
24	90	1230	71	47	283	90	---	---	---
25	85	1240	69	67	398	75	---	---	---
26	100	1620	76	66	390	64	---	---	---
27	78	1270	95	63	371	64	68	413	90
28	85	1350	99	62	362	60	68	393	90
29	94	1560	91	65	377	67	65	360	88
30	53	680	96	59	352	59	---	---	---
31	46	520	93	63	390	45	---	---	---

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980

DATE TIME	NOV 8,79 1010	MAR 5,80 1030	MAY 14,80 1130	JUN 6,80 1130	JUL 2,80 1500
TOTAL CELLS/ML	37000	3300	4000	8600	16000
DIVERSITY: DIVISION	1.6	1.1	1.4	1.4	1.6
..CLASS	1.6	1.4	1.4	1.4	1.6
...ORDER	2.0	2.0	1.9	1.5	1.7
....FAMILY	2.4	2.3	2.8	2.4	2.2
.....GENUS	3.2	3.0	3.6	2.8	3.2

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
..CHLOROPHYCEAE										
...CHLOROCOCCALES										
....CHARACIACEAE										
.....SCHWOFERIA	--	-	--	-	--	-	60	1	--	-
....COFLASTRACEAE										
.....COFLASTRUM	--	-	--	-	260	6	200	2	--	-
...HYDRODICTYACEAE										
....POTASTRUM	--	-	--	-	--	-	800	9	--	-
...MICRACITINIACEAE										
.....GULENKINIA	--	-	--	-	26	1	100	1	--	-
....MICRACITINIUM	--	-	54	2	100	3	240	3	--	-
...OOCYSTACEAE										
....ANKISTRODES MUS	760	2	1000#	31	65	2	200	2	570	4
.....CHLORELLA	--	-	--	-	--	-	*	0	--	-
...DICTYOSPHAERIUM	3900	11	220	7	890#	22	380	4	2900#	18
....KIRCHNERIELLA	450	1	490	15	52	1	80	1	460	3
...OOCYSTIS	--	-	--	-	52	1	--	-	290	2
....SELENASTRUM	600	2	--	-	--	-	*	0	--	-
...TETRAEDRON	--	-	--	-	*	0	--	-	--	-
....TREURARIA	*	0	--	-	26	1	--	-	*	0
...SCENFIDESMACAEAE										
....ACTINASTRUM	--	-	--	-	100	3	560	7	460	3
....CRUCIGENIA	--	-	--	-	210	5	80	1	--	-
...SCENFIDESMUS	5100	14	54	2	180	5	930	11	2800#	17
....TETRASTRUM	1800	5	--	-	210	5	--	-	--	-
...TETRASPORALES										
...PALMELLACEAE										
....GLOEOPHYTIS	--	-	27	1	--	-	--	-	--	-
...VOLVOCALES										
...CHLAMYDOMONADACEAE										
....CHLAMYDOMONAS	450	1	350	11	52	1	*	0	--	-
...PHACOTACEAE										
....PTEROMONAS	--	-	--	-	--	-	*	0	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980

DATE TIME	NOV 8,79 1010		MAR 5,80 1030		MAY 14,80 1130		JUN 6,80 1130		JUL 2,80 1500	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHRYSTOPHYTA										
..HACILLARIOPHYCEAE										
..CENTRALES										
..COSCINODISCAEAE										
....CYCLOTELLA	4300#	23	27	1	170	4	*	0	2500#	15
....MELOSIRA	4200	11	190	6	650#	16	4000#	46	860	5
....STEPHANODISCUS	--	-	--	-	--	-	--	-	290	2
..PENNIALES										
..DIATOMACEAE										
....DIATOMA	--	-	--	-	--	-	--	-	*	0
....NAVICULACEAE										
....NAVICULA	--	-	27	1	--	-	--	-	--	-
....NITZSCHACEAE										
....NITZSCHIA	450	1	130	4	450	11	--	-	400	2
..XANTHOPHYCEAE										
..HETEROCOCCALES										
..CESTRITRACEAE										
....CENTRITRACTUS	--	-	490	15	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)										
..CRYPTOPHYCEAE										
..CRYPTOMONADALES										
..CRYPTOMONADACEAE										
....CRYPTOMONAS	300	1	--	-	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)										
..CYANOPHYCEAE										
..CHROOCOCCALES										
..CHROOCOCCACEAE										
....AGMENELLUM	1200	3	--	-	--	-	--	-	920	6
....ATACYSTIS	1800	5	220	7	250	6	660	8	3700#	22
..HORMOGONALES										
..NOSTOCACEAE										
....ATARAENA	--	-	--	-	--	-	160	2	--	-
..OSCILLATORIAEAE										
....OSCILLATORIA	7200#	20	--	-	260	6	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)										
..EUGLENOPHYCEAE										
..EUGLENALES										
..EUGLENACEAE										
....TRACHELOMONAS	--	-	--	-	*	0	--	-	110	1
PYRRHOPHYTA (FIRE ALGAE)										
..DINOPHYCEAE										
..PERIDINIALES										
..GLENODINIACEAE										
....GLENODINIUM	--	-	--	-	--	-	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

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, Hydrologic Unit 03180004, near center of span on downstream side of bridge on State Highway 439, at Bogalusa, 0.3 mi (0.5 km) upstream from Ice Water Branch, 0.9 mi (1.4 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.

REVISED RECORDS.--WRD LA-1974: 1964(P), 1965-66(M), 1967(P), 1969-72(M), 1973(P).

GAGE.--Water-stage recorder and concrete control. Datum of gage is 76.60 ft (23.348 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--17 years, 120 ft³/s (3.398 m³/s), 22.42 in/yr (569 mm/yr).

EXTREMES FOR 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.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Nov. 14, 1961, reached a stage of about 13 ft (4.0 m), from information by local resident.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,500 ft³/s (42 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 30	1400	1660 47.0	6.74 2.054	Apr. 27	0200	1980 56.1	7.41 2.259
Apr. 13	1630	2500 70.8	8.21 2.502	May 17	unknown	*3970 112	*a10.00 3.048

a From flood mark.

Minimum discharge, 37 ft³/s (1.05 m³/s) Sept. 11, 12, gage height, 3.80 ft (1.158 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980 MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	54	175	66	83	100	240	410	193	142	79	67	41
2	53	90	63	79	100	500	447	178	136	76	64	42
3	50	60	63	77	100	300	654	381	131	95	68	53
4	48	52	61	77	98	170	465	342	122	91	72	45
5	48	49	61	78	98	130	305	199	115	77	75	47
6	47	48	74	74	96	125	244	168	110	73	63	55
7	46	47	81	73	105	187	269	175	106	71	59	58
8	45	47	67	75	100	730	325	281	107	77	57	48
9	45	48	61	92	150	757	473	230	201	95	63	43
10	44	80	59	110	230	324	300	162	167	75	58	41
11	43	120	58	509	250	247	213	141	117	68	103	38
12	43	100	60	758	150	181	517	132	105	65	74	49
13	43	68	84	351	125	163	1720	126	99	62	60	147
14	42	57	490	188	110	135	1650	128	96	60	58	70
15	41	53	502	144	105	117	623	132	95	59	71	51
16	41	51	187	125	110	111	367	700	92	63	58	45
17	43	51	130	300	130	342	286	3200	90	94	54	47
18	44	51	103	400	125	657	303	3000	90	94	53	57
19	42	49	92	350	110	326	363	1700	123	79	49	54
20	43	48	86	260	98	227	262	1000	197	87	46	51
21	43	48	82	200	100	305	213	760	121	185	44	50
22	43	48	86	190	120	241	190	529	103	151	45	46
23	48	72	145	300	160	169	172	441	103	215	45	42
24	50	156	288	390	110	235	160	317	169	126	42	41
25	45	261	233	250	94	262	155	262	145	90	41	42
26	43	315	138	180	84	360	920	235	113	82	42	47
27	41	141	110	160	80	529	1210	203	96	83	44	51
28	41	93	99	140	86	999	389	182	90	149	45	44
29	41	78	93	120	110	1200	265	168	90	108	42	41
30	42	70	92	110	---	1500	211	157	86	81	41	78
31	121	---	88	105	---	900	---	150	---	71	41	---
TOTAL	1463	2626	3902	6348	3434	12669	14081	15972	3557	2881	1744	1564
MEAN	47.2	87.5	126	205	118	409	469	515	119	92.9	56.3	52.1
MAX	121	315	502	758	250	1500	1720	3200	201	215	103	147
MIN	41	47	58	73	80	111	155	126	86	59	41	38
CFSM	.65	1.20	1.73	2.82	1.62	5.63	6.45	7.08	1.64	1.28	.77	.72
IN.	.75	1.34	2.00	3.25	1.76	6.48	7.21	8.17	1.82	1.47	.89	.80

CAL YR 1979	TOTAL	56990	MEAN 156	MAX 2200	MIN 36	CFSM 2.15	IN 29.16
WTR YR 1980	TOTAL	70241	MEAN 192	MAX 3200	MIN 38	CFSM 2.64	IN 35.94

02490105 BOQUE LUSA CREEK AT STATE HIGHWAY 439, AT BOGALUSA, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.87	4.22	3.92	3.98	---	---	4.65	4.27	4.15	3.96	3.92	3.82
2	3.87	4.00	3.91	3.96	---	---	4.71	4.23	4.14	3.95	3.91	3.83
3	3.86	3.90	3.91	3.96	---	---	5.04	4.61	4.12	4.02	3.93	3.87
4	3.85	3.86	3.90	3.96	---	---	4.75	4.54	4.09	4.00	3.94	3.84
5	3.85	3.84	3.90	3.96	---	---	4.47	4.28	4.08	3.96	3.95	3.84
6	3.85	3.85	3.95	3.95	---	---	4.36	4.21	4.07	3.94	3.91	3.88
7	3.84	3.85	3.97	3.94	---	4.22	4.41	4.22	4.05	3.94	3.89	3.89
8	3.84	3.84	3.92	3.95	---	5.17	4.51	4.43	4.05	3.96	3.89	3.85
9	3.84	3.85	3.90	4.01	---	5.21	4.77	4.33	4.27	4.02	3.91	3.83
10	3.83	3.96	3.89	4.06	---	4.51	4.46	4.19	4.21	3.95	3.89	3.82
11	3.83	4.09	3.89	4.79	---	4.37	4.31	4.15	4.09	3.93	4.04	3.80
12	3.83	4.03	3.90	5.21	---	4.24	4.82	4.13	4.05	3.92	3.95	3.85
13	3.83	3.93	3.97	4.55	---	4.20	6.91	4.11	4.03	3.90	3.90	4.15
14	3.83	3.89	4.79	4.25	---	4.13	6.76	4.11	4.02	3.90	3.89	3.93
15	3.82	3.87	4.80	4.15	---	4.08	5.01	4.13	4.02	3.89	3.94	3.86
16	3.82	3.86	4.25	---	---	4.07	4.58	---	4.01	3.90	3.89	3.84
17	3.83	3.86	4.12	---	---	4.50	4.44	---	4.00	4.01	3.87	3.85
18	3.83	3.86	4.04	---	---	5.04	4.47	---	4.00	4.02	3.87	3.89
19	3.83	3.86	4.01	---	---	4.51	4.57	---	4.09	3.96	3.86	3.87
20	3.83	3.85	3.99	---	---	4.33	4.40	---	4.27	3.99	3.84	3.86
21	3.83	3.85	3.97	---	---	4.47	4.30	---	4.09	4.24	3.83	3.86
22	3.83	3.85	3.99	---	---	4.36	4.26	4.86	4.04	4.17	3.84	3.84
23	3.85	3.94	4.15	---	---	4.21	4.22	4.72	4.04	4.31	3.84	3.83
24	3.86	4.18	4.44	---	---	4.34	4.19	4.50	4.21	4.11	3.82	3.82
25	3.84	4.38	4.34	---	---	4.40	4.18	4.39	4.15	4.00	3.82	3.82
26	3.83	4.49	4.14	---	---	4.57	5.49	4.35	4.07	3.97	3.82	3.85
27	3.82	4.14	4.07	---	---	4.86	6.00	4.29	4.02	3.98	3.83	3.86
28	3.82	4.01	4.03	---	---	5.55	4.62	4.24	4.00	4.16	3.84	3.83
29	3.82	3.96	4.01	---	---	---	4.40	4.21	4.00	4.06	3.83	3.82
30	3.83	3.93	4.01	---	---	---	4.30	4.18	3.99	3.97	3.82	3.96
31	4.07	---	3.99	---	---	---	---	4.17	---	3.94	3.82	---
MEAN	3.84	3.97	4.07	---	---	---	4.75	---	4.08	4.00	3.88	3.86
MAX	4.07	4.49	4.80	---	---	---	6.91	---	4.27	4.31	4.04	4.15
MIN	3.82	3.84	3.89	---	---	4.07	4.18	4.13	3.99	3.89	3.82	3.80

02490193 PEARL RIVER AT POOLS BLUFF, NEAR BOGALUSA, LA

LOCATION.--Lat 30°45'54", long 89°50'00", in lot 40, T.4 S., R.13 E., Washington Parish, Hydrologic Unit 03180004, on right bank, 200 yards (183 m) upstream from Pools Bluff (low water) sill, 5.3 mi (8.5 km) south of Bogalusa.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: June 1975 to current year.

pH: June 1975 to current year.

WATER TEMPERATURES: June 1975 to current year.

DISSOLVED OXYGEN: June 1975 to current year.

INSTRUMENTATION.--Water-quality monitor since June 1975.

REMARKS.--Flow data available for Pearl River near Bogalusa, La., 10.3 mi (16.6 km) upstream (station 02489500).

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 160 micromhos June 1, 1977; minimum, 18 micromhos May 20, 1980

pH: Maximum, 7.9 units May 3, 1978; minimum, 5.3 units Feb. 13, 1979.

WATER TEMPERATURES: Maximum, 32.5°C July 25, 1977; minimum, 3.0°C Jan. 19, 20, 1977.

DISSOLVED OXYGEN: Maximum, 12.8 mg/L Jan. 7, 1977; minimum, 5.8 mg/L June 7, 1979.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 129 micromhos Oct. 20; minimum, 18 micromhos May 20.

pH: Maximum, 7.1 units Oct. 14; minimum, 5.5 units Feb. 18, 19, Apr. 30, May 1.

WATER TEMPERATURES: Maximum, 28.5°C June 6, 7, 8; minimum, 6.5°C Feb. 18.

DISSOLVED OXYGEN: Maximum, 11.0 mg/L Feb. 13; minimum, 6.8 mg/L Apr. 16.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-HF (COLS./100 ML)	STREPTOCOCCI, KF AGAR (COLS. PER 100 ML)	HARDNESS, (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)
OCT 22...	1130	125	6.7	24.5	60	10	7.3	2.8	K40	520	19	0
JAN 22...	1045	56	5.6	15.0	70	25	8.4	--	K25	260	11	5
APR 01...	1315	33	5.9	17.0	60	45	7.5	1.8	540	140	7	4
JUL 02...	1600	94	7.0	31.5	60	30	7.2	2.2	K48	140	19	0

DATE	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE, DIS-SOLVED (MG/L AS CO2)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
OCT 22...	5.5	1.3	17	69	1.7	2.1	34	0	28	11	17	9.2
JAN 22...	2.9	.9	4.7	43	.6	1.9	7	0	6	28	10	5.3
APR 01...	1.8	.7	2.2	34	.4	1.4	4	0	3	8.1	4.3	2.6
JUL 02...	5.6	1.3	9.4	48	.9	2.0	26	0	21	4.2	9.4	6.8

DATE	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)
OCT 22...	.1	12	86	81	.12	.05	.95	1.0	4.4	.070	.21
JAN 22...	.0	7.7	61	36	.08	.18	.98	1.2	5.1	.070	.21
APR 01...	.0	3.7	29	19	.04	.09	.74	.83	3.7	.090	.28
JUL 02...	.1	6.4	73	54	.10	.51	1.5	2.0	8.9	.080	.25

K Results based on colony count outside the acceptable range (non-ideal count).

02490193 PEARL RIVER AT POOLS BLUFF, NEAR BOGALUSA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM REC OV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, REC OV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, REC OV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, REC OV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PB)	LEAD, REC OV. FM BOT- TOM MA- TERIAL (UG/G AS PB)
OCT 22...	1	3	<1	0	3	0	0	15	220	3400	0	0
DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, REC OV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL REC OV- ERABLE (UG/L AS HG)	MERCURY REC OV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, REC OV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)
OCT 22...	110	310	.1	.02	10	12	12	.00	13	.0	0	.00
DATE	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)
OCT 22...	0	.00	.0	.0	0	.00	.1	.00	.1	.00	.0	.00
DATE	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	
OCT 22...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	
DATE	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	
OCT 22...	.0	.00	.0	.00	.0	.0	.00	.0	.00	.0	.00	
DATE	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	
OCT 22...	.0	.00	.0	.00	0	0	.00	.0	.00	.00	.00	

< Actual value is known to be less than the value shown.

02490193 PEARL RIVER AT POOLS BLUFF, NEAR BOGALUSA, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		
1	67	61	---	---	47	45	52	49	44	41	67	60
2	67	62	---	---	47	45	53	49	44	41	60	55
3	67	63	---	---	50	47	56	52	44	41	58	53
4	70	66	---	---	51	47	55	52	45	41	61	57
5	75	69	---	---	53	49	59	54	47	43	65	60
6	79	73	---	---	56	52	63	57	49	46	68	62
7	83	79	---	---	58	54	66	61	50	46	69	64
8	91	85	---	---	60	56	67	65	52	49	69	63
9	99	92	---	---	62	58	67	62	54	51	64	55
10	101	97	---	---	61	59	70	63	58	53	66	56
11	105	97	---	---	62	59	64	60	54	49	66	63
12	107	102	---	---	59	57	62	52	51	45	62	60
13	110	104	---	---	61	59	52	47	44	41	64	59
14	113	107	---	---	71	60	47	39	47	41	66	62
15	115	109	---	---	61	56	43	39	46	42	---	---
16	116	111	---	---	61	51	47	43	46	44	---	---
17	117	112	---	---	51	48	50	47	45	43	---	---
18	123	114	---	---	50	47	54	49	47	43	---	---
19	126	119	---	---	50	47	54	50	49	45	---	---
20	129	119	---	---	51	48	49	47	47	45	---	---
21	127	122	---	---	52	49	49	47	47	44	52	49
22	128	116	---	---	55	50	48	46	50	46	49	46
23	---	---	---	---	58	54	49	47	49	47	49	47
24	---	---	---	---	59	55	50	46	51	47	50	47
25	---	---	---	---	55	51	49	43	53	47	49	46
26	---	---	---	---	56	52	45	42	54	50	47	42
27	---	---	60	57	56	53	45	43	59	54	43	38
28	---	---	57	51	57	53	46	44	66	57	49	39
29	---	---	52	47	58	55	46	44	68	63	50	38
30	---	---	48	44	56	52	46	43	---	---	37	31
31	---	---	---	---	54	51	46	41	---	---	42	30
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
1	35	31	43	38	65	61						
2	35	32	46	43	67	62						
3	35	32	48	44	68	64						
4	34	31	47	45	72	66						
5	38	33	46	43	78	71						
6	37	34	46	43	86	77						
7	39	36	46	43	90	83						
8	39	37	49	45	91	88						
9	41	38	51	48	91	86						
10	46	37	53	48	89	86						
11	43	41	57	52	---	---						
12	45	35	61	56	---	---						
13	35	20	63	60	---	---						
14	35	26	63	61	---	---						
15	36	33	65	62	---	---						
16	35	32	65	53	---	---						
17	33	30	53	29	---	---						
18	30	29	39	35	---	---						
19	32	29	36	32	---	---						
20	33	30	29	18	---	---						
21	34	31	30	26	---	---						
22	36	33	38	30	---	---						
23	39	35	43	37	---	---						
24	39	36	47	41	---	---						
25	40	36	50	46	---	---						
26	39	35	54	47	---	---						
27	37	32	57	52	---	---						
28	34	31	59	56	---	---						
29	---	---	60	56	---	---						
30	---	---	61	58	---	---						
31	---	---	64	60	---	---						

02490193 PEARL RIVER AT POOLS BLUFF, NEAR BOGALUSA, LA--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	6.6	6.5	5.8	5.7	5.7	5.7	5.9	5.9	5.9	5.8
2	6.4	6.4	6.6	6.5	5.8	5.8	5.7	5.7	5.9	5.9	5.9	5.8
3	6.5	6.4	6.6	6.5	5.8	5.8	5.7	5.7	5.9	5.8	5.8	5.8
4	6.5	6.4	6.5	6.5	5.9	5.8	5.7	5.7	5.8	5.8	5.9	5.8
5	6.5	6.5	---	---	5.8	5.8	5.8	5.7	5.8	5.8	5.9	5.9
6	6.6	6.5	6.7	6.4	5.8	5.7	5.8	5.8	5.8	5.8	5.9	5.9
7	6.7	6.6	6.7	6.5	5.8	5.7	5.9	5.8	5.8	5.8	5.9	5.9
8	6.7	6.7	6.7	6.5	5.8	5.7	6.0	5.9	5.8	5.8	5.9	5.7
9	6.7	6.7	6.6	6.4	5.7	5.7	5.9	5.9	5.8	5.8	5.7	5.6
10	6.9	6.8	6.5	6.4	5.7	5.6	5.9	5.8	5.8	5.8	5.7	5.6
11	7.0	6.9	6.4	6.4	5.7	5.6	5.8	5.7	5.8	5.7	5.7	5.7
12	7.0	7.0	6.5	6.4	5.8	5.7	5.8	5.6	---	---	5.7	5.6
13	7.0	7.0	6.5	6.4	5.9	5.8	---	---	---	---	5.7	5.6
14	7.1	7.0	6.3	6.4	6.1	5.9	---	---	---	---	5.8	5.7
15	7.0	7.0	6.3	6.3	6.1	6.0	---	---	---	---	---	---
16	7.0	6.9	6.3	6.3	6.1	5.9	---	---	---	---	---	---
17	6.9	6.8	6.3	6.2	5.9	5.9	---	---	---	---	---	---
18	6.8	6.7	6.3	6.2	5.9	5.8	---	---	5.6	5.5	---	---
19	6.7	6.7	6.4	6.3	5.9	5.8	---	---	5.6	5.5	---	---
20	6.7	6.7	6.3	6.3	5.8	5.8	---	---	5.6	5.6	---	---
21	6.8	6.7	6.3	6.3	5.8	5.7	---	---	5.6	5.6	---	---
22	---	---	6.3	6.3	5.8	5.7	---	---	5.7	5.6	---	---
23	6.7	6.6	6.3	6.3	5.8	5.8	5.7	5.6	5.7	5.6	---	---
24	6.7	6.7	6.3	6.3	5.8	5.8	5.7	5.7	5.6	5.6	---	---
25	6.8	6.7	6.3	6.2	5.9	5.8	5.7	5.7	5.7	5.6	---	---
26	6.8	6.7	6.2	5.8	6.0	5.9	5.7	5.7	5.7	5.7	---	---
27	6.8	6.7	5.8	5.7	6.0	5.9	5.8	5.7	5.8	5.7	---	---
28	6.8	6.7	5.7	5.6	6.0	5.9	5.9	5.8	5.8	5.8	---	---
29	6.7	6.7	5.6	5.6	5.9	5.9	5.9	5.9	5.9	5.8	---	---
30	6.7	6.6	5.7	5.6	5.9	5.8	5.9	5.9	---	---	---	---
31	6.6	6.6	---	---	5.8	5.8	5.9	5.9	---	---	---	---
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	5.6	5.5	5.9	5.9						
2	---	---	5.6	5.6	5.9	5.9						
3	---	---	5.7	5.6	5.9	5.9						
4	---	---	5.7	5.6	5.9	5.9						
5	---	---	5.7	5.7	5.9	5.9						
6	---	---	5.7	5.7	5.9	5.9						
7	---	---	5.7	5.7	5.9	5.9						
8	---	---	5.8	5.7	5.9	5.9						
9	---	---	5.8	5.7	5.9	5.9						
10	---	---	5.8	5.7	6.0	5.9						
11	---	---	5.8	5.7	6.0	6.0						
12	---	---	5.8	5.8	6.0	6.0						
13	---	---	5.8	5.8	---	---						
14	---	---	5.8	5.8	---	---						
15	---	---	5.9	5.8	---	---						
16	---	---	5.9	5.7	---	---						
17	---	---	---	---	---	---						
18	---	---	---	---	---	---						
19	---	---	---	---	---	---						
20	---	---	---	---	---	---						
21	---	---	---	---	---	---						
22	---	---	---	---	---	---						
23	---	---	---	---	---	---						
24	---	---	---	---	---	---						
25	---	---	---	---	---	---						
26	---	---	5.7	5.6	---	---						
27	---	---	5.7	5.6	---	---						
28	---	---	5.8	5.7	---	---						
29	---	---	5.8	5.8	---	---						
30	5.5	5.5	5.9	5.8	---	---						
31	---	---	5.9	5.8	---	---						

02490193 PEARL RIVER AT POOLS BLUFF, NEAR BOGALUSA, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

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

02490193 PEARL RIVER AT POOLS BLUFF, NEAR BOGALUSA, LA--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

[illegible]

02490500 BOGUE CHITTO NEAR TYLERTOWN, MS

LOCATION.--Lat 31°10'37", long 90°16'48", in SE¼ sec.34, T.3 N., R.9 E., Washington meridian, Pike County, Hydrologic Unit 03180005, near right bank on downstream side of bridge on U.S. Highway 98, 0.2 mi (0.3 km) upstream from Fernwood, Columbia and Gulf Railroad bridge, 0.2 mi (0.3 km) upstream from Bars Branch, 2.2 mi (3.5 km) downstream from Topisaw Creek, and 9 mi (14 km) northwest of Tylertown.

DRAINAGE AREA.--502 mi² (1,300 km²).

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

REVISED RECORDS.--WSP 1504: 1945 (P), 1946 (M), 1947-51, 1953.

GAGE.--Water-stage recorder. Datum of gage is 227.40 ft (69.312 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records good.

AVERAGE DISCHARGE.--35 years, 794 ft³/s (22.49 m³/s), 21.48 in/yr (544 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 45,700 ft³/s (1,290 m³/s) Jan. 7, 1950, gage height, 33.50 ft (10.211 m); minimum, 175 ft³/s (4.96 m³/s) Oct. 31, 1963; minimum gage height, 6.08 ft (1.853 m), part of each day Oct. 13-22, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in February 1936 reached a stage 1.2 ft (0.37 m) higher than the flood of Jan. 7, 1950, at the railroad bridge 0.2 mi (0.3 m) downstream.

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Feb. 25	2100	*12800 362	*20.64 6.291	Apr. 24	1800	8770 248	17.73 5.404
Mar. 4	0300	6440 182	15.44 4.706				

Minimum discharge, 260 ft³/s (7.36 m³/s) parts of each day, Oct. 18-24, gage height, 6.53 ft (1.990 m).

RECORDS FOR THE 1980 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 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	306	265	453	985	1770	1060	407	625	674	303	472	315
2	298	267	393	1350	1400	865	419	564	536	303	464	354
3	292	267	360	1410	1060	4150	1080	528	476	315	464	472
4	300	267	449	830	1570	5890	3500	548	516	309	418	381
5	295	267	679	556	2480	5540	3070	930	540	300	393	357
6	285	277	607	492	4260	4140	3350	1550	488	300	375	345
7	282	292	442	564	5580	1840	1950	1330	421	400	366	369
8	277	287	488	900	4160	1140	897	693	397	638	357	381
9	275	292	790	865	3370	928	697	564	375	488	345	339
10	275	285	1220	611	1720	800	624	504	366	697	342	315
11	275	282	1420	508	1080	781	572	468	460	1340	348	306
12	272	285	965	456	890	748	523	576	393	3330	354	303
13	275	285	532	435	770	693	548	880	363	2150	339	306
14	270	285	442	414	697	635	795	532	348	2300	330	303
15	267	287	407	393	643	583	620	460	339	1190	324	297
16	265	290	390	384	593	548	496	432	336	751	321	295
17	262	306	378	375	548	524	446	411	333	552	318	300
18	262	309	372	372	688	508	421	397	330	472	315	303
19	262	312	366	372	1390	495	404	387	327	464	309	300
20	260	303	360	2880	1660	480	397	378	324	564	306	432
21	260	297	366	5110	1050	470	407	372	321	1300	303	1020
22	262	295	381	4580	780	465	1730	369	318	1050	333	930
23	260	295	372	4830	1190	545	7570	400	318	770	428	552
24	262	297	366	5150	8420	596	8220	404	315	576	484	400
25	262	297	366	3180	10800	514	5830	384	315	860	492	354
26	262	306	372	2860	8510	462	2710	366	312	1360	446	336
27	265	411	363	4010	3760	440	1370	360	312	1680	400	327
28	265	442	354	3550	1610	429	1160	354	309	1670	384	321
29	262	411	351	3120	---	421	965	360	306	1120	348	315
30	262	387	366	2060	---	416	724	532	306	701	330	309
31	265	---	428	1550	---	411	---	810	---	544	321	---
TOTAL	8442	9148	15598	55152	72449	37517	51902	17468	11474	28797	11529	11637
MEAN	272	305	503	1779	2587	1210	1730	563	382	929	372	388
MAX	306	442	1420	5150	10800	5890	8220	1550	674	3330	492	1020
MIN	260	265	351	372	548	411	397	354	306	300	303	295
CFSM	.54	.61	1.00	3.54	5.15	2.41	3.45	1.12	.76	1.85	.74	.77
IN.	.63	.68	1.16	4.09	5.37	2.78	3.85	1.29	.85	2.13	.85	.86

CAL YR 1978	TOTAL	248368	MEAN 680	MAX 12500	MIN 260	CFSM 1.36	IN 18.40
WTR YR 1979	TOTAL	331113	MEAN 907	MAX 10800	MIN 260	CFSM 1.81	IN 24.54

PEARL RIVER BASIN

02490500 BOGUE CHITTO NEAR TYLERTOWN, MS

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.62	6.56	7.18	8.35	9.65	8.58	6.95	7.50	7.61	6.61	7.05	6.58
2	6.59	6.57	7.01	9.05	9.01	8.20	6.98	7.36	7.29	6.61	7.03	6.70
3	6.58	6.57	6.90	9.15	8.39	12.76	8.38	7.27	7.14	6.65	7.04	7.06
4	6.62	6.57	7.16	8.04	9.32	14.89	12.14	7.32	7.24	6.63	6.91	6.80
5	6.60	6.57	7.72	7.44	10.69	14.54	11.53	8.13	7.30	6.60	6.84	6.72
6	6.57	6.61	7.55	7.28	13.10	12.92	11.93	9.29	7.17	6.60	6.78	6.68
7	6.56	6.67	7.15	7.45	14.58	9.71	9.86	8.88	6.99	6.87	6.75	6.76
8	6.55	6.65	7.25	8.18	13.03	8.56	8.07	7.65	6.92	7.52	6.72	6.80
9	6.54	6.67	7.96	8.11	11.96	8.14	7.66	7.36	6.85	7.17	6.68	6.66
10	6.55	6.64	8.80	7.57	9.54	7.88	7.50	7.21	6.82	7.65	6.67	6.58
11	6.55	6.63	9.17	7.32	8.43	7.84	7.38	7.12	7.08	8.64	6.69	6.55
12	6.55	6.64	8.30	7.19	8.06	7.77	7.26	7.36	6.90	11.90	6.71	6.54
13	6.56	6.64	7.38	7.13	7.82	7.65	7.31	8.03	6.81	10.20	6.66	6.55
14	6.55	6.64	7.15	7.07	7.66	7.52	7.87	7.28	6.76	10.41	6.63	6.54
15	6.54	6.65	7.05	7.01	7.54	7.41	7.49	7.10	6.73	8.60	6.61	6.52
16	6.54	6.66	7.00	6.98	7.43	7.32	7.19	7.02	6.72	7.70	6.60	6.51
17	6.53	6.72	6.96	6.95	7.32	7.26	7.06	6.96	6.71	7.26	6.59	6.53
18	6.54	6.73	6.94	6.94	7.63	7.22	6.99	6.92	6.70	7.06	6.58	6.54
19	6.54	6.74	6.92	6.94	9.00	7.19	6.94	6.89	6.69	7.04	6.56	6.53
20	6.54	6.71	6.90	11.09	9.47	7.15	6.91	6.86	6.68	7.29	6.55	6.90
21	6.54	6.69	6.92	14.11	8.36	7.12	6.95	6.84	6.67	8.78	6.54	8.26
22	6.55	6.68	6.97	13.52	7.84	7.11	9.26	6.83	6.66	8.33	6.63	8.07
23	6.54	6.68	6.94	13.80	8.52	7.31	16.51	6.92	6.66	7.75	6.93	7.26
24	6.55	6.69	6.92	14.13	17.12	7.43	17.20	6.94	6.65	7.32	7.09	6.86
25	6.55	6.69	6.92	11.67	19.40	7.24	14.89	6.88	6.65	7.92	7.11	6.71
26	6.55	6.72	6.94	11.23	17.82	7.11	11.01	6.82	6.64	8.93	6.99	6.65
27	6.56	7.05	6.91	12.83	12.58	7.04	8.98	6.80	6.64	9.50	6.86	6.62
28	6.56	7.15	6.88	12.20	9.55	7.01	8.60	6.78	6.63	9.48	6.81	6.60
29	6.55	7.06	6.87	11.60	---	6.99	8.21	6.80	6.62	8.45	6.69	6.58
30	6.55	6.99	6.92	10.05	---	6.97	7.72	7.27	6.62	7.60	6.63	6.56
31	6.56	---	7.10	9.28	---	6.96	---	7.89	---	7.24	6.60	---
MEAN	6.56	6.71	7.25	9.34	10.39	8.35	9.09	7.30	6.85	7.95	6.76	6.77
MAX	6.62	7.15	9.17	14.13	19.40	14.89	17.20	9.29	7.61	11.90	7.11	8.26
MIN	6.53	6.56	6.87	6.94	7.32	6.96	6.91	6.78	6.62	6.60	6.54	6.51

02491500 BOGUE CHITTO AT FRANKLINTON, LA

LOCATION.--Lat 30°50'35", long 90°09'45", in SE¼SE¼ sec.26 T.2 S., R.10 E., Washington Parish, Hydrologic Unit 03180005, at bridge on State Highway 10, 0.8 mi (1.3 km) west of Franklinton, and 3.5 mi (5.6 km) upstream from Lawrence Creek.

DRAINAGE AREA.--985 mi² (2,551 km²)

PERIOD OF RECORD.--August 1928 to September 1931, October 1938 to September 1957. February to September 1975, July 1976 to current year (gage heights and discharge measurements). Gage-height records collected in this vicinity since 1922 are contained in reports of the National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 123.81 ft (37.737 m) National Geodetic Vertical Datum of 1929. August 1928 to September 1931, nonrecording gage at site about 0.2 mi (0.3 km) downstream at datum 2.00 ft (0.610 m) higher. October 1938 to June 22, 1939, nonrecording gage; June 23, 1939, to September 1957 and February to September 1975, water-stage recorder at present site at datum 1.00 ft (0.305 m) higher.

AVERAGE DISCHARGE.--22 years (water years 1929-31, 1939-57), 1,596 ft³/s (45.20 m³/s), 22.00 in/yr (559 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 56,700 ft³/s (1,610 m³/s) Mar. 30, 1980, gage height, observed at crest, 20.55 ft (6.264 m) Mar. 30, 1980; minimum discharge, 350 ft³/s (9.91 m³/s) Nov. 6-8, 1938; minimum gage height, not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of April 1900 reached a stage of 29.6 ft (9.02 m), at former site and present datum, from floodmark.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, observed at crest, 20.55 ft (6.264 m) Mar. 30; minimum, not determined.

DISCHARGE MEASUREMENTS MADE DURING YEAR

Date	Discharge	Date	Discharge	Date	Discharge	Date	Discharge
Mar. 28, 1980.....	18,000	Mar. 29.....	44,900	Mar. 30.....	56,700	Apr. 22.....	26,600

GAGE HEIGHT (FEET ABOVE DATUM)• WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.43	1.41	1.93	1.89	3.30	---	14.73	3.48	2.60	2.21	2.00	1.79
2	1.41	1.33	1.78	1.82	3.16	---	9.69	3.31	2.53	2.28	2.06	1.78
3	1.38	1.36	1.67	1.75	2.59	---	9.71	4.42	2.48	2.20	2.06	1.83
4	1.37	1.28	1.59	1.74	2.33	---	7.50	3.90	2.65	2.18	2.06	1.79
5	1.35	1.25	1.54	1.69	2.21	---	6.15	3.53	2.61	2.14	2.06	1.84
6	1.32	1.24	1.53	1.65	2.27	---	4.86	3.18	2.58	2.13	1.98	1.85
7	1.33	1.24	1.51	1.65	2.18	---	4.24	3.00	2.55	2.13	1.98	1.82
8	1.32	1.24	1.49	1.65	2.06	---	4.23	2.95	2.52	---	1.94	1.80
9	1.31	1.24	1.45	2.29	2.59	---	5.79	2.89	2.53	---	1.91	1.77
10	1.30	1.35	1.44	2.79	7.23	---	4.58	2.80	2.50	---	1.89	1.76
11	1.29	1.56	1.43	3.54	8.09	---	3.90	2.74	2.46	---	1.88	1.72
12	1.27	1.71	1.41	8.02	8.44	---	3.71	2.68	2.42	---	1.92	1.70
13	1.29	1.49	1.55	6.65	6.52	---	12.74	2.64	2.39	---	1.88	1.69
14	1.28	1.38	5.02	5.43	2.95	---	18.65	2.65	2.36	---	1.92	1.69
15	1.24	1.30	4.58	4.48	2.07	---	17.40	2.64	2.35	---	1.88	1.69
16	1.27	1.27	4.20	2.93	1.75	---	12.88	3.09	2.32	---	1.88	1.67
17	1.27	1.25	4.12	3.29	1.53	---	7.77	12.47	2.30	---	1.85	1.66
18	1.26	1.26	2.66	6.60	1.25	---	5.30	15.60	2.29	---	1.85	1.67
19	1.25	1.24	2.20	6.06	1.11	---	5.71	12.63	2.56	---	1.81	1.69
20	1.25	1.26	2.01	5.20	1.04	---	5.25	11.72	2.48	---	1.80	1.76
21	1.25	1.25	1.88	3.66	---	---	4.44	9.40	2.38	2.07	1.81	1.76
22	1.25	1.25	1.83	2.90	---	---	3.96	8.00	2.33	2.19	1.80	1.71
23	1.30	1.37	1.98	3.62	---	---	3.65	6.10	2.34	2.41	1.77	1.68
24	1.26	2.09	3.33	5.06	---	---	3.43	4.70	2.71	2.22	1.76	1.67
25	1.25	3.31	4.17	4.68	---	---	3.28	4.02	2.63	2.13	1.73	1.71
26	1.25	4.70	4.20	4.80	---	---	14.80	3.55	2.44	2.36	1.72	2.30
27	1.23	4.62	3.70	3.70	---	---	10.30	3.24	2.36	2.16	1.82	1.88
28	1.24	4.26	2.64	3.67	---	---	5.42	3.04	2.32	2.13	1.77	1.74
29	1.23	3.85	2.28	3.01	---	---	4.31	2.88	2.26	2.21	1.74	1.72
30	1.24	2.30	2.10	2.63	---	---	3.76	2.76	2.24	2.09	1.77	1.89
31	1.32	---	1.97	2.56	---	---	---	2.68	---	2.02	1.82	---
MEAN	1.29	1.86	2.43	3.59	---	---	7.40	4.93	2.45	---	1.87	1.77
MAX	1.43	4.70	5.02	8.02	8.44	---	18.65	15.60	2.71	---	2.06	2.30
MIN	1.23	1.24	1.41	1.65	---	---	3.28	2.64	2.24	---	1.72	1.66

02492000 BOGUE CHITTO NEAR BUSH, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°37'45", long 89°53'50", in SE¼NE¼ lot 42, in T.5 S., R.13 E., St. Tammany Parish, Hydrologic Unit 0381005, 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.

WATER-DISCHARGE RECORDS

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

GAGE.--Water-stage recorder. Datum of gage is 44.25 ft (13.487 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Prior to July 22, 1954, nonrecording gage at same site and datum.

REMARKS.--Water-discharge records good except for periods of no gage-height record, which are fair. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--43 years, 1941 ft³/s (54.97 m³/s), 21.78 in/yr (553 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 57,400 ft³/s (1,630 m³/s) Mar. 31, 1980, gage height, 17.31 ft (5.276 m); minimum, 366 ft³/s (10.4 m³/s) Oct. 22, 23, 26, 29, 1968; minimum gage height, 0.7 ft (0.21 m) Oct. 1, 1937, Oct. 29-31, 1940, Oct. 22-27, 1941.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 8,000 ft³/s (230 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 13	2300	8980 254	10.57 3.222	Apr. 15	1115	41200 1170	15.34 4.676
Feb. 13	1845	10800 306	10.97 3.344	Apr. 27	1800	26000 736	13.36 4.072
Mar. 31	0715	*57400 1630	*17.31 5.276	May 18	2145	28800 816	13.74 4.188

Minimum discharge, 735 ft³/s (20.8 m³/s) Sept. 25; minimum gage height, 3.23 ft (0.984 m) Oct. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	960	968	1740	1440	2370	1670	39300	2960	1550	960	995	839
2	932	944	1460	1360	2610	2690	23300	2480	1520	950	983	872
3	903	875	1340	1300	2430	2320	14700	2440	1500	940	1100	864
4	879	844	1280	1260	2070	1800	12300	3320	1480	930	1090	863
5	862	796	1270	1220	1870	1620	9520	3040	1440	920	1040	851
6	846	778	1260	1180	1800	1620	7150	2340	1400	910	1020	870
7	834	770	1250	1150	1800	1550	5470	1940	1360	900	965	869
8	824	766	1240	1150	1690	2900	4640	1880	1330	900	942	839
9	816	769	1220	1250	1710	5380	5280	2060	1390	1010	926	825
10	809	825	1200	1920	3350	4490	6420	1780	1440	1600	911	805
11	800	972	1170	2410	6510	2990	5060	1610	1340	1300	942	787
12	795	1140	1130	4380	9480	2290	4970	1520	1270	1100	915	788
13	795	1130	1110	7740	10500	1910	10700	1460	1220	1000	907	832
14	788	963	2730	8120	9000	1690	23700	1420	1190	920	923	788
15	778	867	4880	5970	4680	1520	39500	1410	1160	908	919	771
16	774	821	4850	4380	2900	1430	31100	2430	1140	909	921	759
17	775	802	3950	2960	2530	1820	17300	8820	1130	967	900	756
18	774	790	3240	3980	2270	3680	10000	23900	1120	957	880	763
19	773	782	2200	6020	2010	5340	6910	17500	1100	941	865	772
20	774	778	1780	6440	1860	5640	6370	7000	1100	963	846	788
21	773	775	1580	5260	1740	4670	5670	5600	1080	1150	841	808
22	775	773	1470	3580	1690	4540	4590	4700	1080	1280	843	788
23	790	847	1480	2850	1760	5180	3830	4000	1080	1410	827	761
24	791	1150	2070	3500	1680	4870	3340	3200	1200	1380	814	747
25	777	1860	2940	4480	1530	4780	3030	2700	1600	1190	798	747
26	770	3040	3440	4480	1420	5500	3910	2300	1300	1100	789	826
27	767	3930	3400	4210	1330	5460	18100	2100	1150	1260	798	987
28	764	3850	2740	3420	1290	6640	15100	1900	1050	1250	839	846
29	763	3440	2020	2960	1270	15800	7030	1800	1000	1310	807	782
30	763	2670	1700	2450	---	41400	4130	1700	980	1170	801	859
31	865	---	1540	2140	---	54000	---	1600	---	1030	813	---
TOTAL	25089	39715	64680	104960	87150	207190	352420	122910	37700	33515	27960	24452
MEAN	809	1324	2086	3386	3005	6684	11750	3965	1257	1081	902	815
MAX	960	3930	4880	8120	10500	54000	39500	23900	1600	1600	1100	987
MIN	763	766	1110	1150	1270	1430	3030	1410	980	900	789	747
CFSM	.67	1.09	1.72	2.80	2.48	5.52	9.71	3.28	1.04	.89	.75	.67
IN.	.77	1.22	1.99	3.23	2.68	6.37	10.83	3.78	1.16	1.03	.86	.75

CAL YR 1979	TOTAL	969880	MEAN	2657	MAX	25800	MIN	763	CFSM	2.20	IN	29.82
WTR YR 1980	TOTAL	1127741	MEAN	3081	MAX	54000	MIN	747	CFSM	2.55	IN	34.67

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.83	3.85	5.73	5.04	6.85	5.52	15.10	8.23	---	---	4.75	4.25
2	3.75	3.78	5.09	4.85	7.21	7.32	12.97	7.77	---	---	4.71	4.35
3	3.67	3.59	4.81	4.69	6.95	6.77	11.70	7.73	---	---	5.01	4.32
4	3.60	3.50	4.63	4.59	6.35	5.84	11.28	8.51	6.13	---	4.97	4.32
5	3.55	3.35	---	4.50	5.97	5.48	10.69	8.29	6.02	---	4.86	4.29
6	3.50	3.29	4.60	4.41	5.83	5.48	10.08	7.60	5.91	---	4.79	4.34
7	3.47	3.27	4.59	4.33	5.84	5.31	9.47	7.08	5.82	---	4.63	4.34
8	3.44	3.25	4.56	4.32	5.61	7.37	9.03	6.99	5.75	---	4.56	4.26
9	3.42	3.26	4.50	4.57	5.66	9.43	9.37	7.26	5.88	---	4.50	4.22
10	3.40	3.44	4.44	6.07	7.90	8.90	9.85	6.82	6.01	---	4.46	4.16
11	3.37	3.86	4.37	6.90	9.84	7.69	9.26	6.46	5.77	---	4.54	4.10
12	3.35	4.30	4.27	8.80	10.68	6.72	9.19	6.26	5.57	---	4.46	4.11
13	3.35	4.27	4.22	10.23	10.91	6.07	10.83	6.11	5.45	---	4.43	4.24
14	3.33	3.84	7.16	10.35	10.55	5.62	13.03	6.01	5.37	---	4.47	4.12
15	3.29	3.56	9.16	9.68	8.98	5.26	15.12	6.00	5.32	4.60	4.45	4.06
16	3.28	3.43	9.15	8.83	7.58	5.03	14.03	7.41	5.27	4.59	4.46	4.02
17	3.28	3.37	8.55	7.65	7.10	5.77	12.10	10.44	5.22	4.76	4.40	4.01
18	3.28	3.33	7.92	8.53	6.70	8.31	10.79	13.05	---	4.72	4.34	4.03
19	3.28	3.31	6.57	9.70	6.26	9.41	10.01	12.06	---	4.67	4.31	4.06
20	3.28	3.29	5.81	9.86	5.96	9.56	9.84	---	---	4.73	4.25	4.12
21	3.28	3.28	5.40	9.37	5.73	9.04	9.57	---	---	5.22	4.24	4.19
22	3.28	3.28	5.13	8.23	5.63	8.96	8.99	---	---	5.54	4.24	4.12
23	3.33	3.50	5.15	7.52	5.77	9.34	8.46	---	---	5.84	4.20	4.04
24	3.34	4.32	6.31	8.18	5.59	9.17	8.04	---	---	5.76	4.16	3.99
25	3.29	5.93	7.63	8.92	5.27	9.11	7.73	---	---	5.28	4.12	3.99
26	3.27	7.70	8.13	8.92	4.99	9.50	8.44	---	---	5.06	4.09	4.24
27	3.26	8.54	8.10	8.74	4.78	9.48	12.06	---	---	5.45	4.12	4.71
28	3.25	8.47	7.36	8.11	4.67	9.91	11.71	---	---	5.42	4.24	4.30
29	3.24	8.14	6.26	7.65	4.62	11.89	10.05	---	---	5.57	4.15	4.11
30	3.24	7.25	5.64	6.98	---	15.36	9.00	---	---	5.21	4.13	4.34
31	3.55	---	5.29	6.49	---	16.92	---	---	---	4.86	4.17	---
MEAN	3.39	4.39	---	7.32	6.75	8.24	10.59	---	---	---	4.43	4.19
MAX	3.83	8.54	9.16	10.35	10.91	16.92	15.12	---	---	---	5.01	4.71
MIN	3.24	3.25	4.22	4.32	4.62	5.03	7.73	13.05	---	---	4.09	3.99

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1953-55, 1965-68, 1973 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to current year.

WATER TEMPERATURES: October 1974 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1975.

REMARKS.--Lower limit of conductivity sensor is 28 micromhos.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 402 micromhos July 11, 1976; minimum, 28 micromhos or lower several days in 1976,1977,1978,1979,1980.

WATER TEMPERATURES: Maximum, 33.0°C June 26, 1977; minimum, 5.0°C Jan.19, 20, 1977, Jan. 20, 21, 1978.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 124 micromhos July 15; minimum, 28 micromhos or lower several days during spring.

WATER TEMPERATURES: Maximum, 31.5°C July 6; minimum, 7.0°C Feb. 13.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCTI- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCUCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT											
22...	1145	786	43	6.2	24.0	15	6.4	8.1	.6	370	490
NOV											
08...	1115	792	46	6.6	16.0	5	4.4	--	.6	780	K3000
DEC											
18...	1300	3240	42	5.9	9.0	70	23	10.0	1.9	820	420
JAN											
30...	1530	2360	42	6.1	15.5	50	9.8	7.4	--	390	K100
FEB											
19...	1215	2020	41	6.0	11.0	20	13	10.6	1.4	K60	K50
MAR											
05...	1115	1640	47	5.9	12.5	20	8.6	10.2	2.0	K640	K30
APR											
01...	1340	38000	19	6.0	17.0	70	80	8.2	1.3	1000	270
MAY											
14...	1300	1430	43	6.2	24.0	5	.90	7.9	3.3	<4	720
JUN											
06...	1215	1400	46	6.4	27.5	15	7.1	7.9	4.0	92	170
JUL											
02...	1300	1020	44	6.9	31.5	10	10	8.1	2.4	500	190
AUG											
11...	1145	960	41	6.3	30.0	15	8.5	7.5	2.2	K15	820
SEP											
08...	1140	859	46	6.0	27.5	10	6.6	7.4	.5	K120	320

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	ALKA- LINITY (MG/L AS CAC03)
OCT 22...	8	0	2.1	.6	4.6	53	.7	1.0	10	0	8
NOV 08...	13	2	2.0	1.9	5.1	43	.6	1.2	14	0	11
DEC 18...	11	6	2.2	1.4	3.5	46	.5	2.6	7	0	6
JAN 30...	9	1	2.1	.8	3.7	44	.6	1.4	9	0	7
FEB 19...	8	2	2.0	.8	4.5	50	.7	1.2	8	0	7
MAR 05...	9	2	2.0	.9	4.3	47	.6	1.4	8	0	7
APR 01...	4	1	.9	.5	1.3	31	.3	1.5	4	0	3
MAY 14...	10	2	2.4	1.0	3.7	41	.5	1.2	10	0	8
JUN 06...	10	3	2.0	1.1	4.2	45	.6	1.2	8	0	7
JUL 02...	8	0	2.1	.6	4.1	49	.6	1.1	12	0	10
AUG 11...	8	0	2.0	.8	4.1	48	.6	1.1	10	0	8
SEP 08...	8	0	2.2	.5	5.5	57	.9	1.2	9	0	11

DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
OCT 22...	10	4.6	6.7	.0	10	33	35	.04	.05	.08	.01
NOV 08...	5.6	3.2	7.5	.0	9.6	45	38	.06	.04	.07	.11
DEC 18...	14	5.4	6.0	.1	8.5	40	34	.05	.24	.21	.11
JAN 30...	12	2.8	5.8	.1	10	39	33	.05	.26	.26	.06
FEB 19...	13	2.6	5.4	.0	10	33	31	.04	.27	.27	.09
MAR 05...	16	3.0	7.5	.0	9.5	37	34	.05	.29	.28	.13
APR 01...	6.4	1.4	2.1	.0	3.3	23	14	.03	.11	.11	.10
MAY 14...	10	--	5.8	.1	9.8	38	--	.05	--	.24	--
JUN 06...	5.1	2.4	6.3	.0	11	34	33	.05	.19	.17	.08
JUL 02...	2.5	1.1	7.3	.1	11	38	34	.05	.14	.02	.04
AUG 11...	8.2	1.5	6.5	.1	9.7	36	31	.05	.06	.06	.04
SEP 08...	14	2.2	5.8	.1	11	44	33	.06	.12	.12	.00

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N03)
OCT 22...	.04	.01	.05	.45	.40	.46	.02	.44	.51	.52	2.3
NOV 08...	.00	.13	.00	--	.52	.57	.05	.52	.61	.59	2.7
DEC 18...	.04	.13	.05	--	1.4	--	--	1.4	--	1.6	--
JAN 30...	.06	.07	.08	.55	.47	.61	.08	.53	.87	.79	3.9
FEB 19...	.09	.11	.12	.45	.41	.54	.04	.50	.81	.77	3.6
MAR 05...	.13	.16	.17	.54	.55	.67	--	.68	.96	.96	4.3
APR 01...	.03	.12	.04	.74	.75	.84	.06	.78	.95	.89	4.2
MAY 14...	.10	--	.13	--	.42	--	--	.52	--	.76	--
JUN 06...	.00	.10	.00	1.1	.76	1.2	.44	.76	1.4	.93	6.2
JUL 02...	.07	.05	.09	.75	.13	.79	.59	.20	.93	.22	4.1
AUG 11...	.01	.05	.01	.80	.71	.84	.12	.72	.90	.78	4.0
SEP 08...	--	.00	--	2.1	--	2.1	1.1	1.0	2.2	1.1	9.8

DATE	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED (MG/L AS C)
OCT 22...	.030	.09	.020	0	0	0	--	1.7	.4
NOV 08...	.050	.15	.010	--	--	--	3.6	--	--
DEC 18...	.100	.31	.050	0	--	--	9.2	--	--
JAN 30...	.030	.09	.010	0	0	0	--	4.5	1.4
FEB 19...	.040	.12	.010	--	--	--	2.5	--	--
MAR 05...	.030	.09	.030	0	--	--	3.4	--	--
APR 01...	.110	.34	.040	0	0	0	--	6.5	2.5
MAY 14...	--	--	.060	0	--	--	3.6	--	--
JUN 06...	.090	.28	.010	--	--	--	5.0	--	--
JUL 02...	.030	.09	.020	0	0	0	--	4.9	1.2
AUG 11...	.050	.15	.030	--	--	--	3.9	--	--
SEP 08...	.040	.12	.040	--	--	--	2.1	--	--

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BARIIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 22...	0	0	0	200	180	20	0	--	<1	0
JAN 30...	0	--	7	100	70	30	0	--	<1	0
APR 01...	1	1	0	100	80	20	1	0	1	0
JUL 02...	0	0	0	--	--	30	0	--	<1	--

DATE	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	CORALI, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 22...	0	0	0	<3	0	0	0	590	370	220
JAN 30...	0	0	0	<3	2	2	0	740	560	180
APR 01...	0	0	2	3	3	--	4	2100	2000	130
JUL 02...	--	10	0	<3	8	4	4	540	420	120

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 22...	2	2	0	60	20	40	.1	.1	.0
JAN 30...	5	5	0	60	10	50	.0	.0	.0
APR 01...	5	5	0	120	80	40	.0	.0	.0
JUL 02...	12	12	0	80	50	30	.1	.1	.0

DATE	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, SUS- PENDE RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 22...	1	1	0	0	0	0	0	--	<3
JAN 30...	5	5	0	0	0	0	0	--	8
APR 01...	2	--	3	0	0	0	10	4	6
JUL 02...	5	3	2	0	0	0	20	20	4

< Actual value is known to be less than the value shown.

PEARL RIVER BASIN

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PCB, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)
OCT 22...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
JAN 30...	--	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 22...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
JAN 30...	ND	ND	ND	ND	ND	ND	ND	ND	--	--	--

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 22...	--	33	70	82
NOV 08...	570	40	86	75
DEC 18...	--	66	577	82
JAN 30...	--	102	650	84
FEB 19...	--	48	262	76
MAR 05...	3800	30	133	72
APR 01...	--	118	12100	85
MAY 14...	2900	32	124	91
JUN 06...	3200	39	147	85
JUL 02...	15000	40	110	47
AUG 11...	--	83	215	41
SEP 08...	--	28	65	82

ND Material specifically analyzed for but not detected.

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

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

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
1	---	---	42	39	50	49	46	44	37	35	43	38
2	---	---	41	40	50	49	46	45	37	34	41	38
3	---	---	41	40	50	49	47	45	34	33	42	41
4	31	28	41	38	52	50	50	45	35	33	42	41
5	35	31	40	38	53	52	46	45	38	35	44	42
6	38	36	46	40	54	52	47	45	39	38	45	42
7	39	37	47	44	54	52	47	46	41	39	44	43
8	41	40	44	42	55	53	47	45	41	40	43	42
9	39	33	45	41	54	51	47	44	41	40	47	41
10	36	33	43	41	52	51	60	44	42	41	46	42
11	40	36	45	43	52	50	92	60	42	41	43	42
12	41	34	45	44	53	52	112	92	42	41	45	42
13	---	---	47	45	53	51	122	112	44	41	43	41
14	---	---	48	45	51	44	123	121	46	42	43	41
15	---	---	46	46	46	44	124	40	45	42	43	42
16	---	---	47	35	47	45	39	38	45	42	---	---
17	---	---	---	---	48	46	36	34	43	41	43	42
18	---	---	---	---	49	48	35	33	44	41	43	42
19	33	30	---	---	49	46	34	32	44	42	44	43
20	36	33	---	---	49	45	34	31	45	42	43	42
21	37	35	---	---	50	46	41	34	45	43	44	42
22	39	37	35	30	49	46	42	40	44	43	43	42
23	41	39	37	35	49	46	42	38	43	42	44	43
24	41	40	40	37	64	44	40	27	44	43	45	44
25	42	41	43	40	48	41	32	28	45	43	44	41
26	42	28	45	43	46	42	32	31	46	42	44	42
27	---	---	46	44	45	44	33	29	43	42	46	40
28	---	---	46	45	46	44	31	30	42	41	46	42
29	---	---	47	46	45	44	32	31	42	41	45	42
30	39	35	48	47	45	44	34	32	43	42	44	41
31	---	---	49	47	---	---	36	34	43	42	---	---

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	26.5	24.0	21.0	20.0	10.5	10.0	11.5	11.0	12.5	10.0	16.0	13.5
2	25.5	24.0	19.5	18.5	10.5	10.0	11.0	10.5	10.0	9.0	13.5	10.0
3	25.0	23.0	18.5	17.0	10.0	9.5	11.5	10.5	10.0	8.5	10.0	8.5
4	24.0	22.5	17.0	16.0	10.0	9.0	11.5	11.0	10.0	9.0	10.5	10.0
5	22.0	20.5	16.5	15.0	10.5	9.0	11.0	10.0	10.5	10.0	13.5	11.0
6	21.5	19.0	16.5	15.0	11.5	10.5	10.5	9.5	11.0	10.0	16.0	13.5
7	22.5	20.0	17.0	15.5	12.5	11.0	12.5	10.5	11.0	10.0	16.5	15.5
8	23.0	21.0	16.5	15.5	12.0	11.0	13.5	12.5	11.0	10.0	19.0	16.5
9	23.5	21.5	18.5	16.0	12.0	11.0	14.0	13.5	11.0	11.0	19.5	19.0
10	23.0	21.0	18.5	18.0	12.0	10.5	13.5	13.0	10.5	8.5	21.0	19.5
11	---	---	18.0	16.0	13.5	12.0	16.0	13.5	8.5	7.5	20.5	20.0
12	---	---	16.0	15.0	16.0	13.5	16.0	14.5	7.5	7.5	20.5	19.5
13	---	---	15.0	14.0	16.5	16.0	14.5	14.0	7.5	7.0	21.0	19.5
14	---	---	14.0	13.0	16.5	15.0	14.5	14.0	9.0	7.5	20.0	18.5
15	---	---	13.5	12.0	14.5	13.5	15.0	14.0	11.5	9.5	18.5	17.5
16	---	---	13.5	12.0	13.5	13.0	16.0	15.0	12.5	11.5	18.5	18.0
17	---	---	13.5	12.0	13.5	11.0	16.5	16.0	11.5	10.0	18.5	18.0
18	---	---	14.0	12.0	10.5	9.5	16.5	16.0	10.0	9.5	18.0	16.5
19	---	---	15.5	13.5	10.0	9.0	16.5	16.0	11.5	10.0	16.5	15.5
20	---	---	16.5	14.5	10.5	9.5	16.0	16.0	14.0	11.5	16.5	15.5
21	---	---	18.0	16.0	12.5	10.5	16.5	16.0	15.5	14.0	17.5	16.5
22	---	---	19.0	17.5	13.5	12.5	16.5	16.0	18.0	16.0	17.5	16.5
23	---	---	18.5	16.0	15.5	13.5	16.5	14.0	18.5	17.5	17.0	16.0
24	20.5	18.5	15.5	14.0	16.5	15.5	14.0	13.0	19.0	18.5	18.5	16.5
25	18.5	17.5	14.0	13.5	16.0	14.0	12.5	12.5	18.5	18.0	18.0	17.5
26	18.0	16.0	13.5	12.5	14.0	12.5	13.0	12.5	17.5	14.5	18.0	16.5
27	18.5	16.5	13.5	12.5	12.5	12.0	13.5	13.0	14.5	13.5	16.5	15.5
28	19.0	17.0	14.0	13.5	12.5	12.0	13.5	13.0	15.0	13.5	16.5	15.5
29	20.0	18.0	13.5	11.5	12.5	12.0	13.5	12.5	16.0	14.5	16.5	16.0
30	21.5	19.0	11.5	10.5	13.0	12.5	14.0	13.0	---	---	16.5	16.0
31	21.5	21.0	---	---	12.5	11.5	14.0	12.5	---	---	17.0	16.5
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	17.0	16.5	20.5	19.0	25.0	24.0	31.0	29.0	29.5	28.0	28.0	27.0
2	17.0	16.5	21.0	20.0	25.0	24.0	31.0	29.5	29.0	28.0	27.5	26.5
3	17.0	16.5	21.5	20.5	26.0	24.5	30.5	28.5	28.0	26.5	27.5	26.5
4	18.5	17.0	21.0	20.5	26.5	24.5	30.5	28.0	28.0	26.0	27.0	26.0
5	18.5	17.0	21.5	20.0	27.0	25.5	31.0	28.5	28.0	26.5	26.0	25.5
6	18.5	17.5	22.0	20.5	27.5	26.0	31.5	29.0	29.0	27.0	26.5	25.0
7	18.5	18.0	22.5	21.5	27.5	26.5	31.0	30.0	30.5	28.0	27.0	25.0
8	19.0	18.5	22.5	21.5	27.0	26.5	30.5	28.0	30.0	28.5	28.0	26.0
9	19.5	18.5	22.5	21.5	27.0	26.0	30.0	28.5	30.0	28.5	28.0	27.0
10	19.0	18.5	23.0	21.5	26.0	24.5	---	---	30.0	28.5	28.5	26.5
11	19.0	18.5	23.5	22.0	25.5	24.0	---	---	29.5	27.5	29.0	27.0
12	18.5	17.5	24.5	23.0	26.5	24.5	---	---	30.5	28.0	28.5	27.5
13	17.5	16.5	24.0	23.5	26.5	25.0	---	---	30.0	28.5	28.5	26.5
14	16.5	15.5	23.5	23.0	26.5	25.0	---	---	29.5	28.5	28.5	27.0
15	15.5	15.0	23.5	23.0	27.0	25.5	---	---	29.5	28.0	29.0	27.5
16	15.5	15.0	22.5	20.5	27.0	25.5	---	---	29.0	28.0	---	---
17	16.0	15.0	20.5	20.0	27.5	25.5	---	---	29.5	27.5	28.0	26.0
18	16.5	16.0	20.5	20.0	27.5	26.0	---	---	30.0	28.0	26.5	25.5
19	16.5	16.0	20.5	20.0	27.5	27.0	---	---	30.5	28.0	26.0	25.0
20	18.0	16.5	20.5	20.0	27.0	26.0	---	---	30.5	28.5	26.5	25.0
21	18.5	17.5	21.0	20.5	26.5	25.5	27.5	26.5	31.0	29.0	27.5	26.0
22	20.0	18.5	21.5	20.5	27.0	26.0	27.0	26.0	30.5	28.5	28.0	26.5
23	21.0	19.5	22.0	21.0	26.5	25.5	26.5	26.0	30.0	28.0	27.5	26.5
24	21.5	20.0	22.5	21.5	26.0	24.0	28.0	26.0	29.5	27.5	28.0	26.5
25	21.0	20.5	23.0	22.5	26.5	24.5	28.5	27.0	29.0	27.5	27.5	26.5
26	21.5	20.0	24.0	22.5	27.5	25.5	28.5	27.5	28.5	27.5	27.5	26.5
27	20.0	18.5	24.5	23.5	28.5	27.0	28.0	27.5	28.0	27.0	27.0	25.5
28	18.5	18.0	25.0	24.0	29.5	27.5	27.5	26.5	28.0	26.5	26.0	24.5
29	19.0	18.0	24.5	24.0	29.5	28.0	28.5	27.0	27.5	26.0	26.5	25.0
30	19.5	18.5	24.5	24.0	30.5	28.0	29.5	27.5	27.5	26.0	26.0	24.5
31	---	---	25.0	23.5	---	---	30.0	28.0	28.0	26.5	---	---

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980

DATE TIME	NOV 8,79 1115	MAR 5,80 1115	MAY 14,80 1300	JUN 6,80 1215	JUL 2,80 1300
TOTAL CELLS/ML	570	3800	2900	3200	15000
DIVERSITY: DIVISION	0.7	1.2	1.4	1.1	0.7
..CLASS	0.8	1.2	1.4	1.1	0.7
..ORDER	1.7	1.3	2.1	1.5	1.3
...FAMILY	2.2	1.8	2.5	2.2	2.0
....GENUS	2.3	2.1	2.9	3.5	2.5

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
..CHLOROPHYCEAE										
...CHLOROCOCCALES										
....CHARACIACEAE	--	-	*	0	--	-	*	0	--	-
....SCHROEDERIA										
...MIRACIINIACEAE										
....GOLFKINIA	--	-	--	-	--	-	*	0	--	-
...MIRACINIUM	--	-	27	1	--	-	130	4	--	-
...OOCYSTACEAE										
....ANKISTRODESUS	--	-	140	4	170	6	300	9	4800#	32
....CHLORELLA	--	-	--	-	--	-	150	5	--	-
....CHODATELLA	--	-	--	-	64	2	--	-	*	0
...DICTYOSPHAERIUM	--	-	110	3	270	9	620#	19	--	-
...KIRCHNERIELLA	14	2	55	1	--	-	52	2	810	5
...OOCYSTIS	--	-	270	7	--	-	--	-	*	0
...SLENASTRUM	--	-	27	1	--	-	460	15	540	4
...TETRAEDRON	14	2	--	-	--	-	*	0	--	-
...THEURARIA	--	-	--	-	*	0	--	-	*	0
...WFSTELLA	--	-	--	-	--	-	100	3	--	-
...SCENEDESMACEAE										
....SCENEDESMUS	57	10	510	13	620#	21	360	11	4800#	32
...TETRASTRUM	--	-	--	-	51	2	--	-	--	-
...TETRASPORALES										
...PALMELLACEAE										
...GLOEOCYSTIS	--	-	--	-	--	-	--	-	1100	7
...VOLVOCALES										
...CHLAMYDOMONADACEAE										
....CHLAMYDOMONAS	14	2	55	1	270	9	180	6	470	3
CHRYSDOPHYTA										
..BACILLARIOPHYCEAE										
...CENTRALES										
...COSCINOIDISACEAE										
....CYCLOTIELLA	--	-	*	0	*	0	120	4	270	2
....MFLOSIRA	290#	50	--	-	100	3	52	2	--	-
...PENNALES										
....ACHNANTHACEAE										
....ACHNANTHES	--	-	*	0	--	-	--	-	--	-
...FRAGILARIACEAE										
....FRAGILARIA	29	5	27	1	--	-	--	-	--	-
...SYNEDRA	--	-	27	1	26	1	*	0	--	-
...GOMPHONEMATACEAE										
....GOMPHONEMA	--	-	27	1	--	-	--	-	--	-
...NAVICULACEAE										
....NAVICULA	29	5	41	1	--	-	--	-	--	-
...NITZSCHACEAE										
....NITZSCHIA	110#	20	69	2	150	5	77	2	*	0
...SURIHALLACEAE										
....SURIHALLA	--	-	*	0	--	-	--	-	--	-
CHRYSDOPHYCEAE										
...CHRYSDOMONADALES										
...OCHROMONADACEAE										
....OCHROMONAS	--	-	--	-	--	-	--	-	*	0
...XANTHOPHYCEAE										
...HETEROCOCCALES										
...CENTRITRACEAE										
....CENTRITRACTUS	14	2	--	-	--	-	--	-	--	-
...CHLOROTHRECIACEAE										
....OPHIOCYTIUM	--	-	--	-	--	-	26	1	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980

DATE TIME	NOV 8,79 1115		MAR 5,80 1115		MAY 14,80 1300		JUN 6,80 1215		JUL 2,80 1300	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CRYPTOPHYTA (CRYPTOMONADS)										
..CRYPTOPHYCEAE										
...CRYPTOMONADALES										
....CRYPTOMONADACEAE										
.....CRYPTOMONAS	--	-	--	-	26	1	39	1	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)										
..CYANOPHYCEAE										
...CHROOCOCCALES										
....CHROOCOCCACEAE										
.....ANACYSTIS	--	-	2400#	62	990#	34	460	15	1900	13
...HORMOGONALES										
....OSCILLATORIACEAE										
.....OSCILLATORIA	--	-	--	-	180	6	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

02492600 PEARL RIVER AT PEARL RIVER, LA

LOCATION.--Lat 30°23'06", long 89°44'12", in NW¼ sec.6, T.8 S., R.15 E., St. Helena meridian, St. Tammany Parish, Hydrologic Unit 03180004, on left fender at downstream side of Southern Railway bridge over West Pearl River, 700 ft (213 m) upstream from Interstate Highway 59, and 0.8 mi (1.3 km) northeast of town of Pearl River.

DRAINAGE AREA.--8,590 mi² (22,250 km²), approximately.

PERIOD OF RECORD.--October 1963 to September 1970. October 1975 to current year (gage heights and discharge measurements only). Daily discharge records October 1961 to September 1963 and gage heights only October 1970 to September 1975 in files of Corps of Engineers, Mobile district. Gage-height records since June 1906 are in reports of National Weather Service and gage-height records October 1899 to May 1906 (collected by Southern Railway System) are in files of National Weather Service, Meridian, MS.

GAGE.--Water-stage recorder. Datum of gage is 0.36 ft (0.110 m) National Geodetic Vertical Datum of 1929.

REMARKS.--Records of daily discharge are the combined flow of the entire flood plain of the West and East Pearl Rivers.

AVERAGE DISCHARGE.--7 years (water years 1964-70) 9,470 ft³/s (268.2 m³/s), 14.97 in/yr (380 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge observed, 155,000 ft³/s (4,390 m³/s) Apr. 26, 1979; maximum gage height, 19.50 ft (5.944 m) Apr. 1, 1980, discharge not determined; minimum daily discharge, 1,580 ft³/s (44.7 m³/s) Oct. 24, Nov. 10, 1963.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge observed since October 1899 is that of Apr. 26, 1979. Flood of 1874 reached a stage of 20.2 ft (6.16 m), furnished by Corps of Engineers. Southern Railway System reported a stage of 19.7 ft (6.00 m) Apr. 19, 1900.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 19.50 (5.944 m) Apr. 1; minimum, 4.26 ft (1.298 m) Sept. 18.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	4.94	13.28	11.90	14.51	---	19.50	15.90	12.95	7.16	7.65	4.54
2	12.39	5.18	13.41	11.67	14.42	---	19.43	15.57	12.36	7.74	7.07	4.72
3	12.22	5.53	13.50	11.41	14.41	---	18.70	15.37	11.85	8.15	6.73	5.03
4	12.05	5.60	13.59	11.11	14.36	---	18.05	15.19	11.41	8.36	6.50	5.12
5	11.85	5.42	13.70	10.64	14.28	9.56	17.75	15.00	10.87	8.56	6.22	5.25
6	11.60	5.23	13.93	10.14	14.19	9.18	17.43	14.70	10.13	8.78	5.98	5.07
7	11.14	5.10	14.00	9.50	14.04	9.09	17.10	14.31	9.35	9.07	5.83	4.86
8	10.33	5.08	14.10	8.99	13.84	9.10	16.83	13.99	8.65	9.35	5.68	4.74
9	9.48	5.10	14.20	8.89	13.59	9.54	16.60	13.80	8.25	9.39	5.64	4.63
10	8.58	5.13	14.24	8.92	13.21	11.44	16.45	13.67	8.14	9.13	5.54	4.56
11	7.68	5.15	14.27	9.52	12.89	12.74	16.44	13.37	8.15	8.47	5.48	4.44
12	6.92	5.22	14.17	10.39	13.29	12.64	16.23	12.92	7.97	7.87	5.46	4.43
13	6.35	5.57	13.99	10.93	14.14	12.11	16.53	12.32	7.65	7.37	5.35	4.56
14	5.96	6.17	13.66	12.34	14.74	11.53	16.78	11.66	7.26	6.81	5.25	4.58
15	5.70	6.66	12.77	13.48	15.12	11.00	17.45	10.95	7.05	6.26	5.23	4.52
16	5.51	6.76	12.19	13.73	15.27	10.54	18.20	10.73	6.85	5.92	5.15	4.45
17	5.32	6.45	12.60	13.83	15.22	10.43	18.29	12.37	6.68	5.76	5.07	4.37
18	5.17	5.95	13.07	14.20	15.11	12.75	17.88	13.46	6.55	5.67	5.03	4.32
19	5.04	5.67	13.41	14.28	14.91	13.07	17.45	15.15	6.45	5.65	4.98	4.37
20	4.99	5.56	13.64	14.42	14.66	13.61	17.20	16.33	6.43	5.66	4.92	4.45
21	4.92	5.52	13.69	14.58	14.32	14.08	17.12	17.16	6.58	5.87	4.79	4.51
22	4.90	5.44	13.52	14.60	14.06	14.25	16.99	17.24	6.65	6.28	4.73	4.52
23	4.82	5.38	13.18	14.54	13.84	14.38	16.79	16.49	6.48	7.07	4.65	4.48
24	4.70	5.33	12.64	14.30	13.70	14.76	16.61	15.89	6.66	7.38	4.60	4.46
25	4.63	5.70	12.11	14.18	13.40	15.17	16.45	15.59	6.71	7.63	4.63	4.42
26	4.60	6.92	11.80	14.20	12.88	15.63	16.37	15.15	6.85	7.70	4.60	4.45
27	4.58	8.72	11.72	14.20	12.09	16.35	16.32	14.77	6.85	7.79	4.58	4.50
28	4.52	10.62	11.83	14.24	11.08	16.88	16.81	14.53	6.66	8.09	4.53	4.82
29	4.50	12.03	12.02	14.35	---	17.18	16.96	14.26	6.51	8.37	4.55	4.72
30	4.51	12.83	12.10	14.48	---	17.65	16.37	13.95	6.65	8.35	4.48	4.58
31	4.77	---	12.06	14.52	---	18.61	---	13.48	---	8.25	4.47	---
MEAN	---	6.33	13.17	12.53	---	---	17.24	14.36	8.05	7.55	5.33	4.62
MAX	---	12.83	14.27	14.60	15.27	18.61	19.50	17.24	12.95	9.39	7.65	5.25
MIN	4.50	4.94	11.72	8.89	---	9.09	16.23	10.73	6.43	5.65	4.47	4.32

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS

LOCATION.--Lat 31°00'30", long 91°37'25", in lot 6, T.1 N., R.5 W., Wilkinson County, Hydrologic Unit 08060100, near left bank at Tarbert Landing, 2.5 mi (4.0 km) upstream from Lower Old River, 8.2 mi (13.2 km) downstream from inlet channel to Old River Control Structure, and at mile 306.3 (492.8 km).

DRAINAGE AREA.--1,124,900 mi² (2,913,500 km²), contributing.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1972 to September 1979. Elevation, intermittently, 1932 to current year; discharge, intermittently, 1911 to 1913, 1928, 1929, and 1932 to 1936; and discharge computed daily since 1936 are in reports of Corps of Engineers.

GAGE.--Nonrecording gage. Datum of gage is National Geodetic Vertical Datum of 1929.

REMARKS.--Natural flow of stream affected by many reservoirs and navigation dams. Since July 12, 1963, all of the Red River flow is noncontributing and controlled diversion of the Mississippi River flow into Atchafalaya River basin by way of Old River Control Structure.

COOPERATION.--Records of daily discharge furnished by Corps of Engineers.

AVERAGE DISCHARGE.--7 years (water years 1973-79) 543,100 ft³/s (15,380 m³/s), 393,480,000 acre-ft/yr (485 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,500,000 ft³/s (42,500 m³/s) May 16, 1973, elevation, 54.61 ft (16.645 m); minimum daily, 160,000 ft³/s (4,530 m³/s) Sept. 26, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum discharge observed since at least 1936, 1,980,000 ft³/s (56,100 m³/s) Feb. 19, 1937; minimum, 85,000 ft³/s (2,410 m³/s) Nov. 4, 1939.

EXTREMES FOR CURRENT YEAR.--Water year 1979: Maximum daily discharge, 1,420,000 ft³/s (40,200 m³/s) Apr. 23; minimum daily, 129,000 ft³/s (3,650 m³/s) Nov. 14, 15.

RECORDS FOR THE 1980 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 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	260000	144000	283000	660000	781000	663000	1200000	1410000	1010000	558000	420000	374000
2	263000	141000	283000	649000	786000	708000	1190000	1400000	991000	558000	422000	400000
3	270000	137000	290000	645000	790000	755000	1190000	1390000	980000	552000	439000	424000
4	269000	139000	300000	645000	798000	800000	1190000	1390000	968000	545000	464000	449000
5	265000	145000	319000	639000	802000	819000	1190000	1380000	959000	540000	502000	464000
6	260000	157000	345000	638000	808000	840000	1190000	1370000	880000	528000	538000	477000
7	250000	165000	372000	638000	810000	858000	1180000	1360000	878000	511000	557000	488000
8	240000	165000	401000	651000	805000	881000	1180000	1350000	878000	487000	569000	501000
9	223000	160000	431000	656000	785000	898000	1190000	1340000	878000	468000	579000	509000
10	209000	155000	466000	666000	766000	913000	1190000	1330000	876000	455000	581000	509000
11	195000	148000	494000	676000	739000	928000	1200000	1320000	870000	448000	581000	495000
12	185000	139000	540000	686000	700000	945000	1210000	1310000	863000	450000	572000	482000
13	176000	132000	574000	691000	675000	1040000	1230000	1290000	850000	446000	559000	467000
14	171000	129000	602000	697000	637000	1060000	1250000	1280000	838000	443000	540000	449000
15	165000	129000	622000	703000	598000	1100000	1270000	1260000	822000	450000	522000	432000
16	157000	131000	645000	706000	563000	1120000	1290000	1260000	810000	453000	503000	412000
17	151000	131000	667000	710000	535000	1140000	1310000	1250000	795000	452000	481000	395000
18	148000	132000	688000	710000	512000	1160000	1320000	1200000	784000	452000	467000	376000
19	145000	133000	691000	710000	500000	1180000	1340000	1190000	778000	448000	451000	362000
20	147000	140000	696000	727000	484000	1190000	1350000	1180000	770000	445000	440000	359000
21	150000	147000	707000	751000	474000	1200000	1370000	1170000	756000	440000	431000	374000
22	156000	150000	714000	751000	460000	1210000	1390000	1150000	744000	439000	422000	405000
23	164000	164000	715000	749000	455000	1210000	1420000	1140000	724000	439000	417000	451000
24	171000	179000	720000	749000	515000	1210000	1410000	1120000	699000	439000	402000	497000
25	175000	202000	723000	745000	528000	1220000	1410000	1100000	672000	439000	386000	523000
26	179000	227000	723000	739000	543000	1220000	1400000	1090000	642000	441000	361000	539000
27	178000	252000	723000	742000	577000	1220000	1400000	1070000	610000	433000	340000	545000
28	177000	268000	715000	749000	618000	1220000	1400000	1060000	584000	429000	332000	542000
29	168000	279000	704000	753000	---	1220000	1410000	1040000	570000	419000	330000	536000
30	160000	285000	694000	762000	---	1220000	1410000	1030000	556000	411000	338000	536000
31	152000	---	677000	773000	---	1210000	---	1020000	---	412000	355000	---
TOTAL	5979000	5005000	17524000	21766000	18044000	32358000	38680000	38250000	24035000	14430000	14301000	13772000
MEAN	192900	166800	565300	702100	644400	1044000	1289000	1234000	801200	465500	461300	459100
MAX	270000	285000	723000	773000	810000	1220000	1420000	1410000	1010000	558000	581000	545000
MIN	145000	129000	283000	638000	455000	663000	1180000	1020000	556000	411000	330000	359000
CAL YR 1978	TOTAL	167742000	MEAN	459600	MAX	977000	MIN	129000				
WTR YR 1979	TOTAL	244144000	MEAN	668900	MAX	1420000	MIN	129000				

MISSISSIPPI RIVER MAIN STEM

07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS--Continued

ELEVATION (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.45	15.71	22.51	39.25	44.01	39.02	53.82	58.74	49.05	34.75	29.49	27.40
2	21.55	15.42	22.48	38.78	44.22	40.59	53.59	58.75	48.60	34.79	29.60	28.54
3	21.87	15.14	22.79	38.69	44.33	42.46	53.65	58.64	48.20	34.55	30.21	29.61
4	21.84	15.22	23.29	38.62	44.58	44.19	53.55	58.37	47.80	34.31	31.29	30.60
5	21.61	15.58	24.10	38.48	44.78	44.96	53.58	58.22	47.53	34.00	32.69	31.18
6	21.27	16.10	25.62	38.39	45.05	45.68	53.55	58.05	47.30	33.61	34.03	31.66
7	20.91	16.49	27.16	38.44	45.16	46.30	53.50	57.81	47.23	32.88	34.77	32.04
8	20.28	16.48	28.47	38.93	44.83	47.26	53.50	57.58	47.23	31.94	35.17	32.63
9	19.48	16.28	29.60	39.12	44.10	47.88	53.54	57.41	47.22	31.25	35.51	32.81
10	18.83	15.89	31.00	39.57	43.32	48.56	53.78	57.10	47.17	30.86	35.69	32.78
11	18.21	15.55	32.45	40.01	42.17	49.15	53.95	56.91	46.98	30.58	35.66	32.28
12	17.72	15.14	34.48	40.26	40.67	49.76	54.31	56.56	46.66	30.64	35.33	31.79
13	17.30	14.77	35.85	40.54	39.09	50.28	54.82	56.17	46.26	30.48	34.70	31.23
14	17.04	14.59	37.04	40.71	37.57	50.80	55.23	55.78	45.75	30.36	34.02	30.55
15	16.71	14.59	37.81	40.98	36.16	51.39	55.70	55.54	45.20	30.63	33.39	29.89
16	16.45	14.67	38.79	41.12	34.82	51.90	56.20	55.30	44.66	30.74	32.62	29.07
17	16.17	14.70	39.52	41.27	33.75	52.45	56.55	55.08	44.22	30.70	31.82	28.30
18	15.90	14.83	40.22	41.25	32.85	53.04	56.88	54.93	43.86	30.68	31.21	27.50
19	15.82	14.90	40.50	41.23	32.41	53.48	57.28	54.65	43.54	30.62	30.60	26.85
20	15.84	15.24	40.80	42.03	31.74	53.66	57.59	54.26	43.09	30.40	30.20	26.70
21	16.00	15.52	41.16	42.88	31.26	53.96	57.87	53.94	42.56	30.20	29.82	27.48
22	16.31	15.70	41.41	42.84	30.74	54.14	58.49	53.52	42.09	30.16	29.48	28.88
23	16.68	16.48	41.45	42.74	30.55	54.23	59.06	53.12	41.28	30.17	29.28	30.67
24	17.05	17.33	41.67	42.76	33.18	54.26	58.91	52.63	40.26	30.12	28.64	32.55
25	17.30	18.45	41.68	42.60	33.54	54.35	58.68	52.14	39.25	30.00	27.95	33.48
26	17.44	19.65	41.71	42.31	34.11	54.51	58.67	51.67	38.10	30.27	26.80	34.09
27	17.35	20.91	41.66	42.55	35.59	54.52	58.64	51.23	36.85	29.99	25.74	34.30
28	17.25	21.68	41.40	42.74	37.19	54.49	58.66	50.69	35.85	29.78	25.41	34.11
29	16.93	22.34	40.93	42.92	---	54.49	58.68	50.20	35.19	29.38	25.32	33.81
30	16.46	22.61	40.55	43.27	---	54.46	58.70	49.83	34.74	29.04	25.67	33.80
31	16.11	---	39.88	43.73	---	54.05	---	49.49	---	29.20	26.52	---
MEAN	18.10	16.60	35.10	40.94	38.28	50.33	56.03	54.98	43.79	31.20	30.92	30.89
MAX	21.87	22.61	41.71	43.73	45.16	54.52	59.06	58.75	49.05	34.79	35.69	34.30
MIN	15.82	14.59	22.48	38.39	30.55	39.02	53.50	49.49	34.74	29.04	25.32	26.70

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1973-79.

PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to September 1979.

COOPERATION.--Samples for suspended-sediment analysis are collected by the Corps of Engineers and analyzed by the Geological Survey.
 Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 2,290,000 tons (2,079,000 tonnes) Oct. 6, 1976; minimum daily, 24,000 tons (21,800 tonnes) Aug. 15, 1977.

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
 ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	159000	102000	220000	616000	800000	673000	911000	966000	613000	320000	253000	202000
2	167000	98000	232000	593000	796000	740000	907000	949000	623000	324000	259000	222000
3	176000	95000	246000	578000	790000	811000	915000	930000	636000	326000	276000	242000
4	181000	94000	558000	581000	789000	883000	917000	910000	649000	327000	301000	264000
5	184000	94000	606000	576000	784000	921000	925000	895000	631000	330000	337000	279000
6	183000	97000	340000	577000	780000	962000	930000	876000	559000	327000	373000	293000
7	180000	102000	392000	579000	772000	1000000	934000	854000	549000	320000	395000	305000
8	173000	100000	431000	596000	756000	1050000	940000	834000	540000	307000	412000	320000
9	164000	97000	467000	604000	723000	1090000	948000	815000	532000	298000	428000	331000
10	155000	92000	515000	618000	693000	1130000	963000	797000	522000	294000	437000	336000
11	149000	88000	578000	632000	654000	1160000	974000	777000	509000	294000	445000	327000
12	146000	83000	638000	646000	604000	1210000	992000	759000	496000	301000	444000	319000
13	144000	80000	710000	654000	570000	1380000	1020000	735000	480000	303000	439000	309000
14	142000	78000	770000	663000	524000	1340000	1020000	716000	464000	307000	410000	297000
15	140000	77000	815000	673000	491000	1340000	1040000	697000	446000	318000	383000	285000
16	138000	76000	870000	679000	463000	1300000	1040000	682000	431000	327000	357000	271000
17	136000	75000	916000	687000	441000	1270000	1050000	666000	415000	332000	330000	260000
18	134000	75000	957000	690000	423000	1240000	1050000	625000	401000	339000	310000	246000
19	131000	74000	975000	694000	417000	1200000	1060000	610000	403000	329000	290000	237000
20	130000	74000	960000	718000	406000	1150000	1060000	597000	404000	320000	274000	236000
21	130000	75000	944000	750000	401000	1120000	1060000	582000	401000	309000	260000	250000
22	132000	82000	929000	754000	392000	1070000	1070000	564000	399000	302000	247000	278000
23	136000	92000	914000	755000	392000	1030000	1080000	547000	391000	296000	238000	319000
24	139000	103000	899000	759000	462000	980000	1060000	530000	380000	291000	221000	363000
25	138000	121000	883000	757000	483000	938000	1050000	537000	368000	285000	205000	459000
26	136000	142000	868000	754000	506000	897000	1030000	548000	353000	281000	184000	566000
27	133000	163000	850000	761000	553000	903000	1020000	558000	336000	270000	167000	683000
28	129000	182000	825000	774000	610000	906000	1000000	568000	324000	261000	165000	806000
29	122000	198000	796000	782000	---	912000	993000	575000	319000	249000	166000	608000
30	114000	210000	768000	798000	---	918000	980000	586000	314000	238000	173000	465000
31	106000	---	734000	801000	---	913000	---	600000	---	243000	187000	---

MISSISSIPPI RIVER MAIN STEM

07295100 MISSISSIPPI RIVER AT TARBERT LANDING, MS--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	INSTANTANEOUS DIS- CHARGE (CFS)	SUS- PENDE D SEDI- MENT (MG/L)	SUS- PENDE D SEDI- MENT DIS- CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
NOV				
07...	215000	176	102000	94
21...	195000	142	75000	93
DEC				
06...	368000	343	341000	73
19...	795000	455	977000	80
JAN				
16...	815000	309	680000	75
30...	891000	332	799000	68
31...	683000	314	579000	72
FEB				
14...	609000	319	525000	70
28...	675000	443	807000	78
MAR				
13...	1115000	458	1380000	62
26...	1205000	276	898000	62
APR				
13...	1279000	296	1020000	61
26...	1360000	281	1030000	64
MAY				
10...	1252000	236	798000	56
24...	978000	201	531000	74
JUN				
04...	856000	281	649000	76
18...	702000	212	402000	78
JUL				
02...	483000	249	325000	84
18...	423000	297	339000	90
30...	393000	225	239000	88
AUG				
13...	477000	341	439000	90
27...	335000	185	167000	89
SEP				
10...	468000	266	336000	83
24...	498000	270	363000	90

RED RIVER BASIN

310801091430900 RED RIVER NEAR SIMMESPORT, LA
(National stream-quality accounting network station)

LOCATION.--Lat 31°08'01", long 91°43'09", in sec. 24, T.2 N., R.7 E., St. Helena Meridian, Avoyelles Parish-Concordia Parish line, Hydrologic Unit 08040301, 8.2 mi (13.2 km) northwest of Old River Control Structure, and 11.5 mi (18.5 km) north-northeast of Simmesport at mile 16.0.

DRAINAGE AREA.--93,163 mi² (241,292 km²).

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1978 to current year.

WATER TEMPERATURES: April 1978 to September 1979.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 1,490 micromhos July 1, 1978; minimum daily, 104 micromhos Feb. 13, 14, 15, 1979.

WATER TEMPERATURES: Maximum daily, 35.0°C July 3, 6, 1979; minimum daily, 5.0°C Jan. 14, 1979.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 1,480 micromhos Sep. 1, 2; minimum daily, 112 micromhos Apr. 25.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT											
12...	1100	14800	632	7.1	23.0	40	33	8.0	--	K5	140
NOV											
09...	1100	11200	754	7.1	19.0	30	57	8.3	2.6	K40	K290
DEC											
14...	1200	73800	226	6.6	--	80	110	9.8	1.9	200	5000
JAN											
25...	1000	85800	220	6.0	11.5	80	160	9.3	3.0	K1600	17000
FEB											
08...	0930	87000	211	6.9	7.5	20	130	11.8	3.8	K800	240
MAR											
14...	1130	50700	386	6.9	15.0	30	50	9.1	--	K50	K20
APR											
11...	1130	141000	125	6.4	20.0	75	--	7.6	2.4	K15	320
MAY											
09...	1200	152000	136	6.4	22.0	70	70	5.6	--	<5	K30
JUN											
06...	1200	113000	158	5.9	27.0	75	70	5.4	.0	K20	K550
JUL											
03...	1030	36400	526	7.5	29.5	40	100	5.2	1.2	--	9300
AUG											
15...	1330	8500	1300	7.4	31.0	15	14	6.2	1.7	K20	K220
SEP											
12...	1130	21200	1100	7.3	28.5	20	43	8.6	2.9	K20	1400

< Actual value is known to be less than the value shown.

K Results based on colony outside the acceptable range (non-ideal count).

310801091430900 RED RIVER NEAR SIMMESPORT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AN- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	ALKA- LITY (MG/L AS CAC03)
OCT 12...	130	56	36	9.4	74	55	2.8	4.2	88	0	72
NOV 09...	160	54	44	12	84	61	2.9	5.0	130	0	107
DEC 14...	52	15	14	4.2	22	55	1.3	2.9	46	0	38
JAN 25...	54	18	15	3.9	21	44	1.3	2.8	56	0	46
FEB 08...	47	17	13	3.5	22	49	1.4	3.0	36	0	30
MAR 14...	79	37	22	5.9	43	53	2.1	2.5	52	0	43
APR 11...	29	10	8.1	2.2	11	43	.9	1.9	24	0	20
MAY 09...	34	8	9.3	2.5	11	40	.8	2.2	31	0	25
JUN 06...	42	11	12	2.9	14	41	.9	2.2	38	0	31
JUL 03...	110	46	30	7.8	60	54	2.5	3.3	74	0	61
AUG 15...	280	94	72	25	150	53	3.9	5.5	230	0	189
SEP 12...	230	100	62	18	130	55	3.7	5.0	154	0	126

DATE	CARRON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
OCT 12...	11	61	110	.2	6.4	363	346	.49	--	1.4	.10
NOV 09...	17	60	120	.2	8.2	424	397	.58	--	.21	.19
DEC 14...	18	13	35	.1	7.5	129	122	.18	.34	.26	.18
JAN 25...	90	15	27	.1	8.0	142	121	.19	.29	.34	.19
FEB 08...	7.4	21	37	.0	7.4	129	125	.18	.23	.23	.08
MAR 14...	11	38	66	.1	7.6	228	211	.31	.12	--	.06
APR 11...	15	11	16	.1	5.9	89	68	.12	.10	.09	.27
MAY 09...	20	11	16	.1	5.5	96	73	.13	.14	.15	.13
JUN 06...	76	13	20	.0	6.0	99	89	.13	.14	.14	.04
JUL 03...	3.8	47	93	.2	7.1	300	285	.41	.53	.18	.05
AUG 15...	14	110	250	.3	5.7	734	732	1.00	.02	.03	.23
SEP 12...	13	100	210	.2	4.5	747	606	1.02	--	.08	.01

RED RIVER BASIN

310801091430900 RED RIVER NEAR SIMMESPORT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)
OCT 12...	.13	.12	.17	1.0	.77	1.1	.20	.90	--	2.3
NOV 09...	.14	.23	.18	1.2	.66	1.4	.60	.80	1.5	1.0
DEC 14...	.07	.22	.09	1.1	1.2	1.3	.00	1.3	1.6	1.6
JAN 25...	.00	.23	.00	1.1	1.1	1.3	.20	1.1	1.6	1.4
FEB 08...	.05	.10	.06	.88	.61	.96	.30	.66	1.2	.89
MAR 14...	.08	.07	.10	1.0	1.3	1.1	--	1.7	1.2	--
APR 11...	.12	.33	.15	.83	.68	1.1	.30	.80	1.2	.89
MAY 09...	.10	.16	.13	.80	.40	.93	.43	.50	1.1	.65
JUN 06...	.06	.05	.08	2.0	1.5	2.0	.40	1.6	2.1	1.7
JUL 03...	.06	.06	.08	1.2	.94	1.2	.20	1.0	1.7	1.2
AUG 15...	.16	.28	.21	.97	.94	1.2	.10	1.1	1.2	1.1
SEP 12...	.02	.01	.03	1.3	1.4	1.3	--	1.4	--	1.5

DATE	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE (MG/L AS C)
OCT 12...	--	.100	.31	.030	0	0	0	--	11	--
NOV 09...	6.8	.140	.43	.070	--	--	--	7.4	--	--
DEC 14...	7.3	.160	.49	.040	--	--	--	11	--	--
JAN 25...	7.0	.190	.58	.060	0	0	0	--	7.9	3.4
FEB 08...	5.3	.160	.49	.030	--	--	--	13	--	--
MAR 14...	5.4	.130	.40	--	--	--	--	9.2	--	--
APR 11...	5.3	.120	.37	.030	8	--	10	--	7.6	--
MAY 09...	4.7	.130	.40	.040	--	--	--	12	--	--
JUN 06...	9.5	.160	.49	.150	--	--	--	11	--	--
JUL 03...	7.7	.110	.34	.050	0	0	0	--	7.6	1.2
AUG 15...	5.4	.110	.34	.060	--	--	--	8.8	--	--
SEP 12...	--	.160	.49	.060	--	--	--	21	--	--

310801091430900 RED RIVER NEAR SIMMESPORT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS RA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS RA)	BARIUM, DIS- SOLVED (UG/L AS RA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 12...	2	1	1	300	200	100	1	0	1	0
JAN 25...	2	1	1	200	140	60	0	--	1	10
APR 11...	2	1	1	100	60	40	0	--	<1	0
JUL 03...	2	1	1	100	0	100	0	--	<1	10

DATE	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 12...	0	0	1	<3	8	2	6	1100	1100	30
JAN 25...	10	0	2	3	7	4	3	7700	7400	260
APR 11...	0	0	2	3	7	--	10	3200	3000	190
JUL 03...	10	0	4	3	18	15	3	6200	6100	80

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 12...	4	4	0	120	100	20	.1	.0	.1
JAN 25...	5	0	5	210	170	40	.0	.0	.0
APR 11...	7	6	1	100	80	20	.1	.1	.0
JUL 03...	11	11	0	210	210	2	.1	.1	.0

DATE	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 12...	6	3	3	0	0	0	--	--	10
JAN 25...	7	--	8	0	0	0	60	40	20
APR 11...	32	30	2	0	0	0	50	50	<3
JUL 03...	15	13	2	0	0	0	50	50	<3

< Actual value is known to be less than the value shown.

RED RIVER BASIN

310801091430900 RED RIVER NEAR SIMMESPORT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM, % FINER THAN .062 MM
OCT 12...	--	146	5830	82
NOV 09...	130000	188	5690	99
DEC 14...	--	206	41000	97
JAN 25...	--	295	68300	96
FEB 08...	--	347	81500	78
MAR 14...	8500	94	12900	96
APR 11...	--	104	39600	86
MAY 09...	3500	328	135000	68
JUN 06...	2200	241	73500	80
JUL 03...	--	249	24500	97
AUG 15...	450000	210	4820	97
SEP 12...	--	10	624	94

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	381	813	234	265	172	178	137	123	134	655	1020	1480
2	409	657	248	296	189	247	144	125	132	604	1010	1480
3	454	570	275	247	183	268	146	124	144	517	1030	1340
4	490	499	294	230	186	249	132	131	137	493	1050	1410
5	462	560	269	197	194	242	122	140	148	513	1120	1370
6	461	584	248	196	203	240	119	143	176	506	1120	1390
7	507	657	240	187	212	253	128	143	194	527	1210	1390
8	523	728	238	201	219	275	142	129	200	544	1240	1250
9	524	774	235	202	204	285	140	124	240	540	1260	1300
10	521	769	255	185	163	282	180	136	213	582	1250	1310
11	512	614	233	201	185	326	120	137	225	581	1330	1000
12	646	497	238	229	201	341	122	130	215	634	1240	1010
13	630	474	224	177	182	393	126	129	220	639	1240	776
14	616	436	216	176	171	393	133	126	625	674	1260	668
15	705	475	179	177	169	386	153	139	669	727	1290	670
16	681	501	154	206	182	377	151	157	703	777	1140	652
17	644	521	152	183	169	357	153	170	691	763	1260	623
18	608	483	184	187	169	295	145	146	654	771	1280	584
19	678	450	159	196	170	272	156	139	624	770	1260	563
20	736	466	230	204	173	233	131	144	580	770	1290	558
21	848	474	502	216	166	231	134	148	592	764	1280	563
22	805	515	236	228	164	261	117	151	683	825	1220	556
23	797	420	272	177	164	234	123	142	736	1010	1250	557
24	694	382	276	192	172	182	120	142	641	950	1320	604
25	749	298	183	204	162	154	112	141	727	848	1300	643
26	756	268	174	208	166	150	113	150	728	766	1240	669
27	721	258	---	230	170	138	117	146	888	864	1170	737
28	757	221	172	231	173	150	119	140	883	852	1160	832
29	806	228	---	189	174	154	121	138	815	862	1220	857
30	830	227	217	177	---	142	120	136	655	917	1340	865
31	859	---	198	173	---	133	---	133	---	975	1420	---

310801091430900 RED RIVER NEAR SIMMESPORT, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980

DATE TIME	NOV 9,79 1100	MAR 14,80 1130	MAY 9,80 1200	JUN 6,80 1200	AUG 15,80 1330					
TOTAL CELLS/ML	130000	8500	3500	2200	450000					
DIVERSITY: DIVISION	0.7	0.9	1.4	1.6	0.3					
..CLASS	0.7	0.9	1.4	1.6	0.3					
..ORDER	1.5	1.4	2.1	1.8	0.3					
...FAMILY	2.0	1.5	2.5	2.7	0.5					
....GENUS	0.0	1.6	3.1	3.9	0.5					
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
..CHLOROPHYCEAE										
...CHLOROCOCCALES										
....COELASTRACEAE										
.....COELASTRUM	1200	1	--	-	180	5	210	9	--	-
....HYDRODICTYACEAE										
.....PEDIASTRUM	--	-	--	-	--	-	39	2	--	-
....MICRACTINIACEAE										
.....GOLENKINIA	--	-	--	-	--	-	13	1	--	-
....MICRACTINIUM	--	-	--	-	--	-	--	-	3800	1
....OOCYSTACEAE										
.....ANKISTRODESMUS	1100	1	*	0	120	3	26	1	--	-
....DICTYOSPHAERIUM	1600	1	--	-	--	-	100	5	--	-
....KIRCHNERIELLA	*	0	--	-	--	-	51	2	--	-
....OOCYSTIS	3300	3	150	2	120	3	64	3	--	-
....SELENASTRUM	--	-	--	-	*	0	13	1	--	-
....TETRAEDRON	--	-	--	-	*	0	--	-	--	-
....WESTELLA	--	-	--	-	--	-	100	5	--	-
....SCENEDESMACEAE										
.....ACTINASTRUM	--	-	190	2	100	3	--	-	--	-
....CRUCIGENIA	--	-	150	2	--	-	170	8	--	-
....SCENEDESMUS	3100	2	--	-	100	3	100	5	*	0
....TETRASPORALES										
....COCCOMYXACEAE										
....ELAKATOTHRIX	*	0	--	-	--	-	--	-	*	0
..VOLVOCALES										
..CHLAMYDOMONADACEAE										
....CHLAMYDOMONAS	*	0	150	2	--	-	26	1	*	0
CHRYSTOPHYTA										
..BACILLARIOPHYCEAE										
...CENTRALES										
....COSCINODISCACEAE										
.....COSCINODISCUS	--	-	--	-	52	1	210	9	2900	1
....CYCLOTELLA	4200	3	770	9	130	4	150	7	4300	1
....MELOSIRA	2000	2	--	-	550#	16	310	14	--	-
....STEPHANODISCUS	--	-	--	-	--	-	90	4	--	-
...PENNALES										
....FRAGILARIACEAE										
.....ASTERIONELLA	--	-	--	-	77	2	--	-	--	-
....SYNEDRA	--	-	*	0	26	1	--	-	*	0
....NITZSCHACEAE										
.....NITZSCHIA	--	-	120	1	120	3	13	1	*	0
CRYPTOPHYTA (CRYPTOMONADS)										
..CRYPTOPHYCEAE										
...CRYPTOMONADALES										
....CRYPTOMONADACEAE										
.....CRYPTOMONAS	--	-	--	-	--	-	--	-	*	0
CYANOPHYTA (BLUE-GREEN ALGAE)										
..CYANOPHYCEAE										
...CHROOCOCCALES										
....CHROOCOCCACEAE										
.....AGMENELLUM	8100	6	--	-	360	10	--	-	--	-
....ANACYSTIS	24000#	18	700	8	300	8	26	1	*	0
...HORMOGONALES										
....NOSTOCACEAE										
.....ANABAENA	13000	10	--	-	--	-	260	12	*	0
....ANABAENOPSIS	3600	3	--	-	--	-	--	-	10000	2
....OSCILLATORIACEAE	48000#	37	--	-	--	-	--	-	--	-
....LYNGRYA	7800	6	--	-	--	-	--	-	--	-
....OSCILLATORIA	7500	6	6200#	72	1300#	36	230	10	420000#	93
EUGLENOPHYTA (EUGLENOIDS)										
..EUGLENOPHYCEAE										
...EUGLENALES										
....EUGLENACEAE										
.....EUGLENA	--	-	*	0	--	-	--	-	--	-
....TRACHELOMONAS	--	-	--	-	--	-	13	1	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°34'30", long 91°23'45", in lot 31, T.3 S., R.11 E., Pointe Coupee-West Feliciana Parish line, Hydrologic Unit 08070100, at State Highway 10 Ferry Crossing, 2.0 mi (3.2 km) southwest of St. Francisville, and at mile 266.0.

DRAINAGE AREA.--1,129,300 mi² (2,924,900 km²), contributing.

PERIOD OF RECORD.--Water years 1954 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: August 1954 to September 1972, October 1974 to current year.

WATER TEMPERATURES: August 1954 to September 1972, October 1974 to current year.

SULFATE: October 1974 to September 1978.

CHLORIDE: October 1974 to current year.

REMARKS.--See records of daily discharge for Mississippi River at Tarbert Landing, MS (station 07295100).

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 683 micromhos Oct. 16, 1955; minimum, 173 micromhos Apr. 15, 1955.

WATER TEMPERATURES: Maximum, 31.0°C on several days during July, August 1955, August 1956, July 1962, July 1965, July, August 1966, July 1977, July 14, 1978, July 17, 23, 1980; minimum, 1.0°C Jan. 29, 30, 1961.

SULFATE: Maximum, 90 mg/L Oct. 14, 1957; minimum, 21 mg/L May 20, 1978.

CHLORIDE: Maximum, 63 mg/L July 5, 1977; minimum, 9.0 mg/L Dec. 29, 1978.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 476 micromhos Aug. 24; minimum, 273 micromhos Apr. 1, 4.

WATER TEMPERATURES: Maximum, 31.0°C July 17, 23; minimum, 4.0°C Feb. 13, 14.

CHLORIDE: Maximum, 39 mg/L June 28; minimum, 12 mg/L Oct. 4, 6, 12, 15.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (NTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM 5 DAY UNINHIB (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)
OCT											
01...	1030	323	7.2	24.0	5	68	<1.0	7.1	25	.8	210
NOV											
02...	1400	384	7.2	19.0	10	45	<1.0	8.9	--	1.0	K1000
DEC											
19...	1130	363	6.8	7.0	10	69	<1.0	12.1	31	3.3	--
JAN											
07...	1030	321	7.4	7.0	30	64	<1.0	9.7	28	.3	K1200
FEB											
04...	1300	337	7.4	4.5	20	60	<1.0	--	38	--	860
MAR											
11...	1030	420	7.6	7.0	5	--	<1.0	9.8	29	--	480
APR											
10...	1230	295	7.6	14.0	5	62	<1.0	9.1	19	4.3	670
MAY											
09...	1200	348	7.2	19.0	5	50	<1.0	7.8	15	1.4	350
JUN											
10...	1200	411	7.8	26.5	5	48	<1.0	7.6	20	.6	--
JUL											
07...	1200	394	7.1	30.0	20	140	<1.0	6.1	36	4.6	400
AUG											
04...	1230	427	7.3	30.0	10	--	<1.0	6.9	29	2.2	<20
SEP											
03...	1030	422	7.3	29.0	15	54	<1.0	7.0	8	.0	--

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	COLI-FORM, FECAL, 0.7 UM-4F (COLS./ 100 ML)	STREP- TOCOCCEI FFCAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS- NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)
OCT 01...	K10	470	130	34	33	11	24	28	.9	3.6	114
NOV 02...	K120	K80	150	47	42	12	18	26	.6	3.1	131
DEC 19...	180	18000	140	45	36	11	19	23	.7	3.3	110
JAN 07...	K60	260	130	50	36	9.9	13	17	.5	7.3	98
FEB 04...	<5	K95	140	43	39	11	15	18	.5	2.8	121
MAR 11...	K85	120	160	50	43	13	23	23	.8	4.0	136
APR 10...	K30	K50	120	42	32	8.5	14	21	.6	2.6	89
MAY 09...	K50	K50	130	35	35	9.9	18	23	.7	3.0	114
JUN 10...	--	<10	150	53	41	12	23	24	.8	3.1	121
JUL 07...	<5	K140	160	44	41	13	19	20	.7	4.2	136
AUG 04...	K20	K150	160	42	42	13	21	22	.7	3.2	142
SEP 03...	<5	K80	160	59	41	14	21	22	.7	4.0	121

DATE	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLORIDE, DIS- SOLVED (MG/L AS CL)	FLUORIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
OCT 01...	0	94	12	45	23	.2	6.4	198	204	.27
NOV 02...	0	107	13	62	18	--	6.6	236	--	.32
DEC 19...	0	90	28	48	25	.2	6.9	220	205	.30
JAN 07...	0	80	6.2	48	18	.2	6.9	205	189	.28
FEB 04...	0	99	7.7	47	17	.1	6.2	213	200	.29
MAR 11...	0	112	5.4	66	24	.2	7.4	248	249	.34
APR 10...	0	73	3.6	40	20	.1	6.2	169	169	.23
MAY 09...	0	94	11	38	23	.2	5.7	203	190	.28
JUN 10...	0	99	3.0	60	28	.2	4.6	242	233	.33
JUL 07...	0	112	18	51	25	.7	7.4	248	230	.34
AUG 04...	0	116	12	61	21	.5	4.1	244	238	.33
SEP 03...	0	99	9.9	69	24	.2	6.7	249	240	.34

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C. SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)
OCT										
01...	199	1.3	.08	1.4	1.4	.08	.05	.10	.06	.88
NOV										
02...	133	.99	.01	1.0	1.1	.03	.04	.04	.05	1.8
DEC										
19...	174	1.3	.04	1.3	1.3	.10	.07	.12	.09	1.0
JAN										
07...	134	1.2	.08	1.3	1.3	.06	.06	.07	.08	1.0
FEB										
04...	102	1.2	.08	1.3	1.4	--	.12	--	.15	--
MAR										
11...	94	1.4	.03	1.4	1.4	.20	.20	.24	.26	--
APR										
10...	130	1.3	.01	1.3	1.2	.06	.06	.07	.08	1.2
MAY										
09...	163	1.3	.01	1.3	1.3	.04	.04	.05	.05	1.1
JUN										
10...	116	1.2	.01	1.2	1.2	.06	.09	.07	.12	--
JUL										
07...	338	2.2	.00	2.2	2.2	.13	.03	.16	.04	1.7
AUG										
04...	159	1.2	.12	1.3	1.3	--	.09	--	.12	--
SEP										
03...	--	.99	.01	1.0	--	.02	--	.02	--	1.2

DATE	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS PO4)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT										
01...	.47	.96	.44	.52	2.4	1.9	10	.320	.98	.060
NOV										
02...	.39	1.8	1.4	.43	2.8	1.5	12	.180	.55	.050
DEC										
19...	1.2	1.1	--	1.3	2.4	2.6	11	.220	.67	.070
JAN										
07...	.71	1.1	.33	.77	2.4	2.1	11	.230	.71	.060
FEB										
04...	.59	.86	.15	.71	2.2	2.1	9.6	.160	.49	.070
MAR										
11...	.78	--	--	.98	--	2.4	--	.170	.52	.050
APR										
10...	1.4	1.3	--	1.5	2.6	2.7	12	.210	.64	.080
MAY										
09...	.73	1.1	.33	.77	2.4	2.1	11	.210	.64	.060
JUN										
10...	.65	--	--	.74	--	1.9	--	.220	.67	.070
JUL										
07...	1.6	1.8	.20	1.6	4.0	3.8	18	.350	1.1	.100
AUG										
04...	.76	.94	.09	.85	2.2	2.2	9.9	.220	.67	.070
SEP										
03...	--	1.2	--	1.3	2.2	--	9.7	--	--	.110

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDED RECOV- ERABLE (UG/L AS RA)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS RE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)
OCT 01...	2	0	2	300	260	40	0	<1	2	1	1
NOV 02...	2	1	1	--	--	--	0	<1	0	--	<1
DEC 19...	2	1	1	--	--	--	0	<1	0	--	<1
JAN 07...	2	1	1	200	150	50	0	<1	--	--	5
FEB 04...	2	1	1	--	--	--	0	<1	1	0	1
04...	--	--	--	--	--	--	--	--	--	--	--
MAR 11...	2	0	2	--	--	--	0	<1	1	0	1
APR 10...	2	2	0	200	150	50	0	<1	1	0	1
MAY 09...	2	0	2	--	--	--	0	<1	0	--	<1
JUN 10...	2	1	1	--	--	--	0	<1	1	--	<1
JUL 07...	4	2	2	200	130	70	10	<1	1	0	1
AUG 04...	3	1	2	--	--	--	0	<1	1	0	1

DATE	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDED RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDED RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)
OCT 01...	8	8	0	0	4	1	3	32	27	5	5100
NOV 02...	4	--	--	0	--	--	--	8	6	2	--
DEC 19...	0	--	--	0	--	--	--	7	7	0	--
JAN 07...	0	0	0	0	6	3	3	6	5	1	5100
FEB 04...	10	--	--	0	--	--	--	1	0	1	--
04...	--	--	--	--	--	--	--	--	--	--	--
MAR 11...	10	--	--	0	--	--	--	16	14	2	--
APR 10...	0	0	0	1	3	0	3	20	15	5	4800
MAY 09...	0	--	--	0	--	--	--	15	6	9	--
JUN 10...	10	--	--	0	--	--	--	17	12	5	--
JUL 07...	--	--	10	0	4	1	3	29	23	6	8900
AUG 04...	10	--	--	0	--	--	--	19	14	5	--

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 01...	5100	10	17	15	2	290	280	9	.1	.0	.1
NOV 02...	--	10	6	6	0	--	--	--	.1	.1	.0
DEC 19...	--	30	8	8	0	--	--	--	.0	.0	.0
JAN 07...	5100	20	8	8	0	210	200	7	.0	.0	.0
FEB 04...	--	30	9	9	0	--	--	--	.3	.1	.2
MAR 11...	--	70	12	12	0	--	--	--	.0	--	.3
APR 10...	4700	80	10	10	0	170	160	10	.0	.0	.0
MAY 09...	--	10	8	8	0	--	--	--	.1	.1	.0
JUN 10...	--	10	8	8	0	--	--	--	.1	.1	.0
JUL 07...	8900	10	25	23	2	420	420	2	.0	.0	.0
AUG 04...	--	10	8	8	0	--	--	--	.0	.0	.0

DATE	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELF- NIUM, TOTAL (UG/L AS SE)	SELF- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELF- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)
OCT 01...	13	7	6	0	0	0	0	0	0	1.0	90
NOV 02...	4	4	0	1	1	0	--	--	--	1.0	130
DEC 19...	7	5	2	0	0	0	0	--	--	.0	40
JAN 07...	6	--	8	1	1	0	0	0	0	.0	30
FEB 04...	11	6	5	0	0	0	--	--	--	.0	40
MAR 11...	13	12	1	1	1	0	0	--	--	1.0	60
APR 10...	13	6	7	0	0	0	0	0	0	.0	70
MAY 09...	11	8	3	0	0	0	0	--	--	.0	30
JUN 10...	8	0	8	0	0	0	--	--	--	1.0	50
JUL 07...	13	11	2	1	0	1	0	0	0	2.0	80
AUG 04...	8	4	4	1	0	1	0	--	--	2.0	40

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDED (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)
OCT 01...	90	5	--	--	--	.00	11	0	.0	.00
NOV 02...	130	5	--	5.6	--	.00	2	0	.0	.00
DEC 19...	40	4	16	--	--	.00	0	0	.0	.00
JAN 07...	10	20	--	6.5	1.2	.00	4	0	.0	.00
FEB 04...	30	10	6.3	--	--	.00	3	0	.0	.00
04...	--	--	--	--	--	--	--	--	ND	--
MAR 11...	60	<3	5.1	--	--	.00	0	0	.0	.00
APR 10...	70	4	--	5.6	1.0	.00	2	0	.0	.00
MAY 09...	20	7	6.9	--	--	.00	2	0	.0	.00
JUN 10...	50	<3	6.8	--	--	.00	3	0	.0	.00
JUL 07...	80	<3	17	8.5	.8	.00	1	1	.0	.00
AUG 04...	40	<3	7.2	--	--	.00	0	0	--	--
SEP 03...	--	--	8.1	--	--	.01	3	0	.0	.00

DATE	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- ELDORIN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)
OCT 01...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00
NOV 02...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00
02...	ND	ND	ND	ND	ND	--	ND	--	ND	--
DEC 19...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00
JAN 07...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00
FEB 04...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00
04...	ND	ND	ND	ND	ND	ND	ND	--	ND	ND
MAR 11...	.000	.0	.000	.000	.000	.14	.002	.000	.000	.00
APR 10...	.000	.0	.000	.000	.002	.01	.001	.000	.000	.00
MAY 09...	.000	.0	.003	.000	.008	.00	.003	.000	.000	.00
JUN 10...	.000	.0	.000	.000	.000	.13	.002	.000	.000	.00
JUL 07...	.000	.0	.004	.000	.006	.06	.005	.000	.000	.00
AUG 04...	.000	.0	.000	.000	.000	.06	.003	.000	.000	.00
SEP 03...	.000	.0	.000	.000	.001	.00	.002	.000	.000	.00

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)
OCT 01...	.000	.000	.000	.00	.00	.00	.00	.00	.00
NOV 02...	.000	.000	.000	.00	.00	.00	.00	.00	.00
02...	ND	ND	ND	--	ND	--	--	--	--
DEC 19...	.000	.000	.000	.00	.00	.00	.00	.00	.00
JAN 07...	.000	.000	.000	.00	.00	.00	.00	.00	.00
FEB 04...	.000	.000	.000	.00	.00	.00	.00	.00	.00
04...	ND	ND	ND	ND	ND	ND	ND	--	ND
MAR 11...	.000	.000	.000	.00	.00	.14	.00	.00	.00
APR 10...	.000	.000	.000	.00	.00	.00	.00	.00	.00
MAY 09...	.000	.000	.000	.00	.00	.00	.00	.00	.00
JUN 10...	.000	.000	.000	.00	.00	.00	.00	.00	.00
JUL 07...	.003	.000	.009	.00	.00	.00	.00	.00	.00
AUG 04...	.000	.000	.000	.02	.00	.00	.00	.00	.00
SEP 03...	.000	.000	.000	.00	.00	.00	.00	.00	.00

DATE	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 01...	.00	.0	.00	.02	.01	.00	2800	265	86
NOV 02...	.00	.0	.00	.01	.00	.00	2300	193	92
02...	--	ND	--	ND	ND	ND	--	--	--
DEC 19...	.00	.0	.00	.00	.00	.00	--	201	78
JAN 07...	.00	.0	.00	.00	.00	.00	--	247	66
FEB 04...	.00	.0	.00	.02	.00	.00	--	239	57
04...	--	ND	ND	--	--	--	--	--	--
MAR 11...	.00	.0	.00	.02	.00	.00	2000	--	--
APR 10...	.00	.0	.00	.02	.00	.01	--	283	76
MAY 09...	.00	.0	.00	.03	.00	.00	2800	324	67
JUN 10...	.00	.0	.00	.02	.00	.00	6000	200	84
JUL 07...	.00	.0	.00	.00	.01	.00	2500	391	93
AUG 04...	.00	.0	.00	.00	.00	.00	--	222	92
SEP 03...	.00	.0	.00	.00	.00	.00	--	262	87

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	SFDT- MENT, SUS- PENDEO (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT		
23...	196	91
NOV		
13...	154	92
DEC		
12...	539	72
JAN		
08...	300	64
FEB		
08...	333	72
MAR		
06...	535	78
APR		
02...	226	79
MAY		
10...	236	67
JUN		
11...	195	88
JUL		
10-20	282	92
AUG		
06...	313	87
SEP		
07...	261	84

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	319	386	353	351	346	379	273	314	330	440	389	412
2	314	385	353	346	347	381	274	318	340	437	388	411
3	301	385	353	346	350	383	275	318	350	436	413	411
4	292	383	350	326	348	382	273	323	350	420	411	406
5	296	409	352	326	347	413	275	323	340	422	425	405
6	295	409	350	325	353	414	277	327	370	407	422	396
7	327	414	346	---	352	425	279	330	370	408	423	396
8	328	428	332	326	347	422	283	350	400	403	427	414
9	327	426	332	336	349	437	288	350	400	401	427	415
10	322	422	323	335	326	439	287	350	400	405	427	424
11	320	422	319	338	324	438	302	380	421	405	427	432
12	315	423	353	333	323	438	303	380	436	411	433	431
13	312	423	352	327	334	439	300	390	435	411	426	440
14	313	385	349	334	347	390	303	390	416	412	420	439
15	313	385	343	358	347	390	288	390	414	410	417	454
16	324	376	344	358	347	384	288	390	412	410	417	452
17	326	379	355	360	352	384	287	390	413	410	432	439
18	323	384	366	362	354	356	292	370	411	417	433	440
19	331	382	368	364	361	356	290	370	380	418	435	430
20	333	382	369	361	360	347	306	390	379	414	435	430
21	352	373	360	347	364	350	305	390	381	422	---	409
22	353	360	361	340	365	348	305	390	384	423	448	398
23	351	364	372	336	368	300	305	390	404	413	467	398
24	341	370	366	322	366	300	306	390	403	417	476	397
25	375	368	351	322	364	300	314	410	445	410	465	399
26	383	371	350	332	368	299	313	410	453	398	465	400
27	383	371	351	330	369	304	314	410	459	384	438	412
28	396	381	349	326	369	304	314	350	459	382	437	427
29	396	379	349	328	375	297	314	350	449	386	438	428
30	390	384	349	342	---	293	314	330	447	373	449	449
31	389	---	352	344	---	287	---	330	---	374	450	---

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.0	18.5	11.0	7.5	7.0	7.0	11.5	16.5	24.0	28.0	29.0	28.0
2	23.0	18.0	11.0	7.5	5.5	7.0	11.5	17.0	24.0	28.5	29.0	28.0
3	22.0	18.0	10.5	7.5	6.0	7.0	12.0	17.0	24.0	28.5	29.0	28.0
4	22.5	18.0	10.0	7.5	5.5	7.0	12.5	17.0	24.0	29.0	29.0	28.0
5	22.0	18.0	10.0	7.5	5.5	7.0	12.5	17.0	24.5	29.0	29.0	28.0
6	22.0	17.0	9.0	7.0	5.0	7.0	12.5	18.0	25.0	29.0	29.5	28.0
7	22.0	16.5	9.0	7.0	5.0	7.0	13.0	18.5	25.5	29.0	29.5	28.0
8	21.5	16.5	8.5	7.0	5.0	7.0	13.0	18.5	26.0	29.0	29.5	28.5
9	21.5	16.0	8.5	7.0	5.0	7.5	13.5	18.5	26.0	29.0	30.0	28.5
10	20.5	15.5	9.0	7.0	5.0	8.0	13.5	18.5	25.5	29.5	30.0	29.0
11	20.5	15.0	9.0	8.0	5.0	8.0	13.5	19.0	25.5	30.0	30.0	29.0
12	20.0	15.0	9.5	8.5	5.0	8.5	13.5	19.5	25.5	30.0	30.0	29.0
13	20.0	14.5	9.5	7.5	4.0	8.5	13.5	19.5	25.5	30.0	30.0	29.0
14	20.0	14.5	9.5	8.5	4.0	8.5	13.5	20.0	26.0	30.0	30.0	29.0
15	20.0	14.5	9.5	7.5	4.5	8.5	13.5	20.0	26.0	30.0	30.0	29.0
16	19.5	14.0	9.0	7.5	5.0	9.0	13.5	20.0	26.0	29.5	30.0	29.0
17	19.5	14.0	8.0	7.5	5.0	9.0	14.0	20.0	26.5	31.0	30.5	28.5
18	19.5	14.0	7.5	8.0	5.0	9.0	14.0	20.0	26.5	30.0	30.5	28.5
19	19.5	14.0	8.0	8.0	5.0	9.0	14.0	20.0	26.0	29.0	30.5	28.0
20	19.0	14.0	8.0	8.0	5.5	9.0	14.0	21.0	26.0	30.0	30.5	27.5
21	19.0	14.0	7.5	8.0	6.0	9.0	14.5	21.0	26.0	29.0	---	27.5
22	19.0	13.5	7.5	8.5	6.5	9.0	15.0	21.0	26.0	29.0	30.5	27.5
23	19.0	12.5	7.5	8.5	6.5	9.0	15.5	22.0	26.0	31.0	30.5	27.5
24	18.5	12.0	7.5	8.5	6.5	9.5	16.0	22.0	26.0	30.0	30.0	28.0
25	18.5	12.0	8.0	8.5	6.5	9.5	16.0	22.5	26.5	30.0	30.0	28.0
26	18.5	12.0	8.0	8.0	6.5	10.0	16.0	22.5	27.0	30.0	30.0	28.0
27	18.5	12.0	8.0	8.0	9.0	10.5	15.5	23.0	27.0	29.0	29.0	28.0
28	18.5	12.0	8.0	7.5	9.0	10.5	16.0	23.0	27.0	29.0	28.5	27.0
29	18.5	11.5	8.0	7.5	8.0	11.0	16.0	23.0	27.0	28.0	28.5	26.0
30	18.5	11.0	8.0	7.0	---	11.0	16.5	23.0	27.5	28.0	28.5	24.0
31	18.5	---	7.5	6.0	---	11.5	---	23.5	---	28.0	28.5	---

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	18	24	16	20	25	20	15	25	32	18	22
2	16	18	24	16	20	20	20	20	21	32	20	21
3	14	20	26	15	20	25	15	15	23	32	20	21
4	12	18	22	14	20	20	20	20	21	28	18	22
5	14	22	24	14	20	25	20	20	22	26	23	22
6	12	20	24	14	20	25	20	20	25	23	23	17
7	14	20	26	20	20	20	15	25	25	27	23	19
8	16	20	26	20	15	30	20	26	28	25	23	24
9	14	22	26	15	20	25	20	27	27	25	22	22
10	14	22	22	20	15	30	20	27	28	25	20	25
11	16	22	22	15	20	30	20	30	30	26	20	23
12	12	20	24	20	20	25	20	30	27	23	26	23
13	14	24	26	20	20	25	20	30	26	25	27	22
14	14	24	26	20	20	25	20	28	23	25	23	21
15	12	24	24	20	20	20	20	28	24	25	22	23
16	14	20	26	20	20	25	20	30	24	24	19	23
17	14	22	26	20	20	20	20	27	21	22	24	20
18	16	22	26	25	20	20	15	26	23	24	25	22
19	16	22	24	20	20	25	20	27	22	25	22	20
20	16	22	26	20	20	25	15	26	22	23	22	22
21	16	22	28	20	15	20	20	26	22	24	---	23
22	16	20	20	20	20	25	15	30	22	24	25	22
23	16	18	24	20	20	20	15	32	27	23	26	22
24	20	20	24	15	25	25	20	34	24	23	26	20
25	18	20	22	20	20	20	20	30	35	24	26	18
26	20	22	20	15	20	20	15	33	36	21	26	20
27	20	26	20	20	25	25	15	30	36	19	23	20
28	22	26	20	20	20	20	25	25	39	20	25	22
29	24	28	22	15	25	20	15	28	33	20	25	20
30	20	30	20	20	---	20	20	25	29	19	24	21
31	20	---	26	20	---	25	---	26	---	20	26	---

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
OCT		
01-10	193	.26
11-20	208	.28
21-31	230	.31
NOV		
01-10	240	.33
11-20	240	.33
21-30	215	.29
DEC		
01-10	216	.29
11-20	200	.27
21-31	220	.30
JAN		
01-10	198	.27
11-20	219	.30
21-31	199	.27
FER		
01-10	206	.28
11-20	207	.28
21-29	224	.30
MAR		
01-10	236	.32
11-20	228	.31
21-31	173	.24
APR		
01-10	157	.21
11-20	167	.23
21-30	181	.25
MAY		
01-10	180	.24
11-20	210	.29
21-31	214	.29
JUN		
01-10	203	.28
11-20	232	.32
21-30	239	.33
JUL		
01-10	238	.32
11-20	234	.32
21-31	235	.32
AUG		
01-10	237	.32
11-20	237	.32
21-31	259	.35
SEP		
01-10	256	.35
11-20	268	.36
21-30	242	.33

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980

DATE TIME	OCT 1,79 1030	NOV 2,79 1400	MAR 11,80 1030	MAY 9,80 1200	JUN 10,80 1200	JUL 7,80 1200				
TOTAL CELLS/ML	2800	2300	2000	2800	6000	2500				
DIVERSITY: DIVISION	1.1	1.3	0.9	1.6	1.4	1.7				
...CLASS	1.1	1.3	0.9	1.6	1.4	1.7				
...ORDER	1.8	1.6	1.5	2.1	1.6	2.0				
...FAMILY	2.0	2.2	1.7	2.3	2.4	2.1				
...GENUS	2.4	3.1	2.3	3.2	3.5	2.4				
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
..CHLOROPHYCEAE										
...CHLOROCOCCALES										
....CHLOROCOCCACEAE										
.....CHLOROCOCCUM	* 0	--	--	--	--	--	--	--	--	--
....COELASTRACEAE										
.....COELASTRUM	40	1	--	--	--	--	170	3	--	--
....HYDRODICTYACEAE										
.....PEDIASTRUM	--	--	--	--	--	--	130	2	--	--
....MICRACINTHACEAE										
.....GOLLENKINTHOPSIS	--	--	14	1	--	--	--	--	--	--
.....MICRACINTHUM	--	--	--	--	--	--	87	1	--	--
....DIOCYSTACEAE										
.....ANKISTRODESMUS	50	2	55	2	140	5	43	1	--	--
.....DICTYOSPHAERIUM	--	--	280	12	--	--	780	13	--	--
.....KIRCHNERITELLA	--	--	--	--	15	1	43	1	--	--
.....DIOCYSTIS	--	--	110	5	46	2	170	3	--	--
.....SELENASTRUM	--	--	14	1	--	--	--	--	--	--
....SCENEDESMACEAE										
.....ACTINASTRUM	40	1	110	5	120	4	170	3	--	--
.....CRUCIGENTIA	20	1	--	--	--	--	--	--	--	--
....SCENEDESMUS	100	4	580#	25	180	7	1000#	17	760#	31
....TETRASTRUM	--	--	97	4	--	--	350	6	--	--
....VOLVOCALES										
....CHLAMYDOMONADACEAE										
.....CHLAMYDOMONAS	--	--	55	2	76	3	43	1	--	--
....VOLVOCAEAE										
.....GONIUM	--	--	55	2	--	--	--	--	--	--
....ZYGNEMATALES										
....DESMIDIACEAE										
....PUASTRUM	* 0	--	--	--	--	--	--	--	--	--
CHRYSDOPHYTA										
..BACILLARIOPHYCEAE										
...CENTRALES										
....COSCINODISCACEAE										
.....COSCINODISCUS	--	--	14	1	--	--	--	--	--	--
....CYCLOTELLA	160	6	120	5	890#	45	310	11	480	8
....MELOSTRA	230	8	570#	24	120	6	980#	35	870	14
....SKELETONEMA	30	1	--	--	110	6	--	--	210	8
....STEPHANODISCUS	--	--	--	--	--	--	110	4	870	14
....PENNALIS									210	8
....ACHNANTHACEAE										
....COCONEIS	* 0	--	--	--	--	--	--	--	--	--
....FRAGILARIACEAE										
....ASTERIONELLA	--	--	--	--	220	11	--	--	43	1
....SYNEDRA	* 0	--	14	1	21	1	61	2	--	--
....GOMPHONEMACEAE									140	6
.....GOMPHONEMA	--	--	--	--	10	1	--	--	--	--
....NAVICULACEAE										
.....NAVICULA	* 0	--	--	--	21	1	--	--	--	--
....NITZSCHACEAE										
.....NITZSCHIA	* 0	--	28	1	21	1	46	2	87	1
....TARELLARIACEAE									69	3
....TARELLARIA	--	--	--	--	41	2	--	--	--	--

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980

DATE TIME	OCT 1,79 1030		NOV 2,79 1400		MAR 11,80 1030		MAY 9,80 1200		JUN 10,80 1200		JUL 7,80 1200	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CRYPTOPHYTA (CRYPTOMONADS)												
..CRYPTOPHYCEAE												
...CRYPTOMONADALES												
...CRYPTOMONADACEAE												
....CRYPTOMONAS	--	-	--	-	--	-	15	1	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)												
..CYANOPHYCEAE												
...CHROOCOCCALES												
...CHROOCOCCACEAE												
....ANACYSTIS	1500#	53	--	-	--	-	120	4	540	9	--	-
....COCCOCHLORIS	--	-	--	-	--	-	--	-	*	0	--	-
...HORMOGONALES												
...OSCILLATORACEAE												
....OSCILLATORIA	200	7	210	9	520#	26	380	14	--	-	900#	36
....SCHIZOTHRIX	390	14	--	-	--	-	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENIDS)												
..EUGLENOPHYCEAE												
...EUGLENALES												
...EUGLENACEAE												
....EUGLENA	--	-	--	-	--	-	31	1	--	-	--	-
....TRACHELOMONAS	15	1	--	-	--	-	46	2	43	1	69	3

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07373965 SOUTH CANAL NEAR BAKER, LA

LOCATION.--Lat 30°37'00", long 91°08'56", in NW¼NE¼ lot 60, T.5 S., R.1 E., St. Helena meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on McHugh Road, 1.2 mi (1.9 km) downstream from White Bayou east diversion channel, 1.4 mi (2.3 km) upstream from Cypress Bayou, and 2.3 mi (3.7 km) northeast of Baker.

PERIOD OF RECORD.--August 1972 to current year.--Daily gage-height record, from January 1965 to July 1972, published as Baker (south) Canal near Baker by Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder. Datum of gage is 60.00 ft (18.288 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good above 10 ft³/s (0.28 m³/s) and poor below. Flow is uncontrolled diversion from White Bayou basin into the Mississippi River by way of Baker Canal since 1957. Records of water temperatures for water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--8 years, 77.9 ft³/s (2.206 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,920 ft³/s (54.4 m³/s) Apr. 13, 1980, maximum gage height, 19.42 ft (5.919 m) Apr. 22, 1977; no flow many days in most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,920 ft³/s (54.4 m³/s) Apr. 13, 1980, gage height, 17.49 ft (5.331 m); minimum daily, 0.30 ft³/s (0.008 m³/s) Aug. 11.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	14	1.6	1.6	15	818	34	5.4	1.4	.88	1.8	3.5
2	7.8	3.7	1.4	1.4	13	227	925	3.3	1.2	.78	1.4	1.8
3	3.3	1.1	1.2	1.2	11	38	1050	2.5	1.2	.69	1.1	.69
4	2.1	.78	.88	1.2	9.8	24	182	2.1	1.2	.69	.88	.69
5	1.3	.78	.88	1.2	9.0	32	29	7.3	.98	.69	.78	3.9
6	.98	.78	.88	1.1	8.8	33	22	11	.69	.60	.69	23
7	.88	.78	.78	1.1	8.2	23	28	8.8	.52	1.4	.52	18
8	.78	.88	.69	30	7.9	36	102	3.9	.52	1.2	.44	4.1
9	.69	2.8	.78	806	565	38	22	3.0	.52	2.0	.44	1.8
10	.44	13	.98	343	536	23	11	.69	.52	1.4	.37	1.1
11	.37	5.4	.98	746	91	19	7.0	.60	.52	1.3	.30	.88
12	.37	2.4	.78	625	32	15	870	.60	.52	.88	.37	.78
13	.37	1.1	228	88	21	10	1820	.52	.52	.88	3.1	.66
14	.37	.60	550	28	16	6.8	1590	.52	.52	.69	6.7	1.2
15	.37	.52	104	20	13	4.5	153	1.6	.52	.60	2.1	2.0
16	.37	.52	27	621	22	3.7	25	548	.52	.44	2.2	1.2
17	.37	.44	17	1060	89	446	20	1670	.52	3.8	11	1.6
18	.37	.44	8.5	551	33	657	302	841	.37	14	4.2	1.3
19	.37	.44	4.7	84	20	102	110	415	4.9	5.7	2.1	.98
20	.37	.37	3.3	34	15	31	22	1050	268	12	1.8	.78
21	.37	.37	3.0	23	13	224	12	360	158	84	1.4	.69
22	8.9	3.3	2.5	58	8.8	64	7.5	105	108	233	1.4	.60
23	41	27	2.5	374	5.8	23	5.6	34	42	26	1.2	.52
24	12	32	18	95	5.2	552	3.9	14	196	12	.78	.52
25	3.0	716	28	33	4.3	614	250	7.8	21	5.0	.69	.44
26	1.1	385	15	100	2.2	119	1730	5.2	7.2	3.0	1.4	.37
27	.98	37	5.6	82	.98	486	699	3.5	2.8	2.7	1.2	14
28	.88	13	3.0	33	.60	1550	33	2.7	1.8	2.5	.69	5.8
29	.88	4.7	2.5	21	59	1450	15	2.4	1.6	3.3	.60	3.3
30	.98	2.2	2.0	17	---	954	8.2	1.8	.98	3.9	.52	7.2
31	17	---	1.6	16	---	304	---	1.7	---	2.5	1.1	---
TOTAL	119.06	1271.40	1038.03	5896.8	1635.58	8927.0	10088.2	5113.93	1425.04	439.32	53.27	103.31
MEAN	3.84	42.4	33.5	190	56.4	288	336	165	47.5	14.2	1.72	3.44
MAX	41	716	550	1060	565	1550	1820	1670	758	233	11	23
MIN	.37	.37	.69	1.1	.60	3.7	3.9	.52	.37	.44	.30	.37
CAL YR 1979	TOTAL	27934.44	MEAN	76.5	MAX	1820	MIN	.24				
WTR YR 1980	TOTAL	36110.94	MEAN	98.7	MAX	1820	MIN	.30				

07373965 SOUTH CANAL NEAR BAKER, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	3.35	2.95	2.95	3.48	11.76	4.18	3.31	3.11	2.98	3.05	3.13
2	3.24	2.95	2.94	2.94	3.42	6.54	11.46	3.21	3.09	2.97	3.02	3.01
3	3.04	2.77	2.92	2.92	3.36	4.07	12.95	3.16	3.09	2.96	2.99	2.91
4	2.96	2.74	2.89	2.92	3.31	3.78	5.93	3.13	3.09	2.96	2.97	---
5	2.90	2.74	2.89	2.92	3.28	3.96	4.08	3.38	3.07	2.96	2.96	3.08
6	2.87	2.74	2.89	2.91	3.27	3.98	3.88	3.52	3.04	2.95	2.95	3.67
7	2.86	2.74	2.88	2.91	3.25	3.74	4.02	3.45	3.02	3.00	2.93	---
8	2.85	2.75	2.87	3.41	3.23	4.05	5.20	3.23	3.02	3.48	2.92	---
9	2.84	2.84	2.88	11.73	9.60	4.08	3.86	3.19	3.02	3.07	2.92	---
10	2.81	3.31	2.90	7.70	9.54	3.75	3.54	3.01	3.02	3.03	2.91	---
11	2.80	3.03	2.90	11.05	4.95	3.61	3.38	---	3.02	3.02	2.90	---
12	2.80	2.87	2.88	10.30	3.95	3.50	10.92	---	3.02	2.98	2.91	2.91
13	2.80	2.77	5.82	3.28	3.67	3.32	17.08	---	3.02	2.98	3.08	---
14	2.80	2.72	9.67	3.90	3.52	3.19	16.00	---	3.02	2.96	3.28	2.94
15	2.80	2.71	5.12	3.64	3.42	3.09	5.62	3.09	3.02	2.95	3.06	3.00
16	2.80	2.72	3.88	9.52	3.66	3.05	3.97	8.65	3.02	2.93	3.07	2.94
17	2.80	2.73	3.59	13.54	4.94	7.84	3.80	16.54	3.02	3.08	3.46	2.97
18	2.80	2.75	3.30	9.62	3.98	10.56	7.18	11.32	3.00	3.58	3.16	---
19	2.80	2.77	3.14	4.85	3.65	5.07	5.32	7.90	3.24	3.27	3.06	---
20	2.80	2.78	3.07	4.00	3.50	3.94	3.92	13.00	6.81	3.50	3.03	---
21	2.80	2.78	3.05	3.73	3.41	6.64	3.56	7.48	10.80	4.38	3.00	---
22	3.16	3.00	3.02	4.22	3.27	4.53	3.40	5.35	5.04	6.51	3.00	---
23	4.00	3.82	3.02	8.19	3.15	3.74	3.32	4.22	4.10	3.93	2.98	---
24	3.28	3.96	3.59	4.99	3.12	9.15	3.24	3.66	6.16	3.52	2.94	---
25	2.91	10.71	3.91	3.97	3.08	9.64	5.46	3.44	3.81	3.23	2.93	---
26	2.77	8.13	3.53	5.10	2.96	5.32	16.79	3.33	3.34	3.13	2.98	2.84
27	2.76	4.08	3.18	4.83	2.86	8.67	10.19	3.25	3.13	3.11	2.97	3.48
28	2.75	3.45	3.05	3.97	2.82	15.93	4.16	3.20	3.06	3.10	2.92	3.20
29	2.75	3.14	3.02	3.69	3.65	---	3.66	3.18	3.04	3.15	2.91	3.08
30	2.76	3.00	2.98	3.56	---	12.30	3.43	3.14	2.99	3.18	---	3.26
31	3.43	---	2.95	3.53	---	6.99	---	3.13	---	3.10	---	---
MEAN	---	3.43	3.47	5.38	3.91	---	6.45	---	3.67	3.29	---	---
MAX	---	10.71	9.67	13.54	9.60	---	17.08	16.54	10.80	6.51	---	---
MIN	---	2.71	2.87	2.91	2.82	3.05	3.24	---	2.99	2.93	---	---

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA (CE 01170)

LOCATION.--Lat 30°17'00", long 91°13'21", T.9 S., R.12 E., Louisiana meridian, Iberville Parish, Hydrologic Unit 08070100, at west bank ferry landing, at Plaquemine, and at mile 208.0.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1973 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)
OCT 02...	0910	329	7.2	24.0	5	70	<1.0	7.2	18	--	2800
NOV 02...	1015	404	7.2	19.0	10	45	<1.0	9.4	22	1.2	K2000
DEC 14...	1300	353	6.7	8.5	15	55	<1.0	12.1	21	3.3	--
JAN 08...	1000	330	8.0	7.0	20	50	<1.0	11.4	26	4.1	5100
FEB 05...	1100	346	7.5	4.5	30	40	<1.0	12.5	20	1.7	2500
MAR 12...	1630	431	7.6	9.0	5	40	<1.0	10.6	17	3.7	1100
APR 14...	1100	303	7.1	13.5	10	65	<1.0	9.1	23	1.2	3600
MAY 08...	1230	338	7.1	18.5	5	45	<1.0	7.4	28	.9	1000
JUN 11...	1000	426	7.2	26.5	0	30	<1.0	6.9	28	1.2	2700
JUL 08...	1000	418	7.2	30.0	15	70	<1.0	5.9	44	2.1	8200
AUG 05...	0820	434	7.3	30.0	10	40	<1.0	6.4	18	1.6	--
SEP 04...	0800	431	7.2	29.0	10	55	<1.0	6.9	29	.2	4600

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM DIS-SOLVED (MG/L AS Mg)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
OCT 02...	K900	130	35	35	10	114	0	94	11	47	18
NOV 02...	1500	150	51	41	12	123	0	101	12	63	19
DEC 14...	--	130	40	35	9.6	106	0	87	35	36	22
JAN 08...	K500	130	41	36	10	110	0	90	1.8	47	18
FEB 05...	490	140	49	38	11	111	0	91	5.8	46	19
MAR 12...	250	170	59	44	14	132	0	108	5.3	60	26
APR 14...	K600	110	35	31	8.5	94	0	77	12	35	16
MAY 08...	640	120	35	34	9.7	110	0	90	14	38	22
JUN 11...	1400	150	48	40	12	123	0	101	12	57	29
JUL 08...	--	160	53	42	13	129	0	106	13	53	29
AUG 05...	K1400	150	40	41	12	136	0	112	11	58	21
SEP 04...	250	150	53	40	13	122	0	100	12	70	25

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

MISSISSIPPI RIVER MAIN STEM

07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA (CE 01170)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS P04)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)
OCT 02...	171	1.2	.04	1.2	.59	.240	.74	3	1	2	0
NOV 02...	66	1.6	.00	1.6	.67	--	--	3	2	1	0
DEC 14...	116	1.3	.04	1.3	1.3	.190	.58	2	--	--	0
JAN 08...	154	1.2	.06	1.3	1.9	.210	.64	2	1	1	0
FEB 05...	101	1.3	.06	1.4	.70	.160	.49	2	1	1	0
MAR 12...	102	1.4	.03	1.4	.97	.250	.77	2	1	1	0
APR 14...	178	1.3	.01	1.3	.86	.220	.67	3	3	0	0
MAY 08...	169	1.3	.01	1.3	1.4	.180	.55	2	1	1	0
JUN 11...	120	1.2	.02	1.2	.69	.190	.58	3	2	1	0
JUL 08...	200	2.4	.02	2.4	2.6	.310	.95	4	2	2	0
AUG 05...	59	1.3	.02	1.3	1.5	.200	.61	3	1	2	0
SEP 04...	168	1.4	.01	1.4	.69	.260	.80	2	0	2	0

DATE	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 02...	<1	2	1	1	10	0	16	16	0	10
NOV 02...	<1	1	0	1	10	0	11	7	4	10
DEC 14...	<1	1	0	1	20	0	5	2	3	20
JAN 08...	<1	1	--	2	10	0	4	2	2	50
FEB 05...	<1	0	--	<1	10	0	0	--	1	20
MAR 12...	<1	0	--	1	20	0	6	3	3	10
APR 14...	<1	1	0	1	0	0	28	21	7	20
MAY 08...	<1	1	0	1	0	0	21	8	13	30
JUN 11...	<3	0	--	1	0	0	16	10	6	10
JUL 08...	<1	2	1	1	10	0	50	36	14	10
AUG 05...	<1	1	--	2	20	0	41	27	14	10
SEP 04...	<1	1	0	1	30	0	16	11	5	10

< Actual value is known to be less than the value shown.

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA (CE 01170)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECov- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECov- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECov- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)
OCT 02...	10	10	0	.2	.1	.1	7	4	3	0
NOV 02...	8	8	0	.1	.1	.0	7	5	2	0
DEC 14...	5	5	0	.0	.0	.0	4	0	4	0
JAN 08...	10	3	7	.1	.1	.0	7	--	--	0
FEB 05...	8	8	0	.3	.1	.2	7	5	2	0
MAR 12...	6	6	0	.1	.1	.0	11	8	3	1
APR 14...	13	10	3	.0	--	.2	9	8	1	0
MAY 08...	10	10	0	.1	.1	.0	13	9	4	0
JUN 11...	4	4	0	.1	.0	.1	12	12	0	1
JUL 08...	30	30	0	.2	.2	.0	88	48	40	1
AUG 05...	13	13	0	.0	.0	.0	28	11	17	1
SEP 04...	11	11	0	.1	.1	.0	11	4	7	1

DATE	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECov- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECov. GRAVI- METRIC (MG/L)
OCT 02...	0	0	1.0	20	10	7	--	.00	2	6
NOV 02...	0	0	1.0	40	40	4	8.8	.00	4	1
DEC 14...	0	0	.0	40	40	<3	8.5	.00	2	0
JAN 08...	0	0	.0	90	60	30	7.4	.00	2	0
FEB 05...	0	0	.0	40	40	<3	6.3	.00	4	0
MAR 12...	1	0	.0	40	40	5	7.0	.00	1	0
APR 14...	0	0	.0	50	50	5	7.1	.00	2	6
MAY 08...	0	0	.0	60	--	<3	7.2	.00	3	0
JUN 11...	1	0	.0	60	--	<3	11	.01	3	0
JUL 08...	0	1	1.0	120	110	7	16	.00	2	0
AUG 05...	0	1	2.0	70	60	10	6.9	.00	0	0
SEP 04...	0	1	1.0	40	30	10	7.5	.01	2	0

< Actual value is known to be less than the value shown.

LOWER MISSISSIPPI RIVER BASIN

97

MISSISSIPPI RIVER MAIN STEM

07374220 MISSISSIPPI RIVER AT UNION, LA (CE 01222)

LOCATION.--Lat 30°05'52", long 90°54'45", T.11 S., R.15 E., St. James Parish, Hydrologic Unit 08070100, near center of span on downstream side of Sunshine Bridge on State Highway 3089, 0.7 mi (1.1 km) northwest of Union, and at mile 167.5.

DRAINAGE AREA.--Not determined.

PERIOD OF RECORD.--Water years 1973 to current year.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)
OCT 02...	1030	328	7.6	24.0	5	70	<1.0	6.7	14	--	11000
NOV 01...	1330	414	7.3	19.5	10	40	<1.0	8.4	19	.7	2600
DEC 14...	1000	360	7.5	8.0	15	55	<1.0	12.2	22	3.0	--
JAN 08...	1200	331	7.5	7.0	20	45	<1.0	11.3	26	2.1	K1300
FEB 05...	1400	352	7.5	5.0	20	50	<1.0	12.2	23	3.0	2600
MAR 12...	1400	443	7.5	9.0	5	55	<1.0	10.6	15	4.8	K2100
APR 14...	1330	285	7.2	14.0	15	60	<1.0	8.9	19	1.9	1000
MAY 08...	1030	342	7.3	18.6	5	60	<1.0	7.6	17	.9	860
JUN 11...	1230	433	7.2	26.0	5	35	<1.0	6.8	24	.2	740
JUL 08...	1245	428	7.1	30.5	10	90	<1.0	5.8	27	.3	--
AUG 05...	1040	429	7.2	30.0	15	50	<1.0	6.3	9	1.2	K1400
SEP 04...	1000	459	7.2	29.0	10	40	<1.0	6.8	28	.3	2600

DATE	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM DISSOLVED (MG/L AS Mg)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE DISSOLVED (MG/L AS Cl)
OCT 02...	380	130	35	35	10	114	0	94	4.6	48	17
NOV 01...	580	150	50	41	12	124	0	102	10	64	21
DEC 14...	--	130	30	35	10	120	0	98	6.2	49	29
JAN 08...	290	130	38	35	9.8	109	0	89	5.7	50	16
FEB 05...	310	140	48	39	11	116	0	95	6.0	47	20
MAR 12...	300	160	59	44	13	127	0	104	6.6	59	29
APR 14...	230	120	37	32	8.6	96	0	79	9.6	34	16
MAY 08...	400	120	36	33	9.7	105	0	86	8.6	38	44
JUN 11...	800	150	46	40	11	121	0	99	12	54	29
JUL 08...	940	170	58	43	14	131	0	107	17	52	25
AUG 05...	--	150	39	40	12	134	0	110	13	54	24
SEP 04...	<10	160	61	42	15	127	0	104	13	81	28

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374220 MISSISSIPPI RIVER AT UNION, LA (CE 01222)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS P04)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)
OCT 02...	137	1.1	.06	1.2	1.3	.280	.86	3	1	2	0
NOV 01...	96	.92	.01	.93	.77	.180	.55	2	1	1	0
DEC 14...	56	1.2	.02	1.2	1.1	.210	.64	2	1	1	0
JAN 08...	116	1.2	.08	1.3	.69	.200	.61	2	1	1	0
FEB 05...	86	1.4	.06	1.5	.73	.170	.52	2	1	1	0
MAR 12...	145	1.4	.03	1.4	1.0	.220	.67	2	1	1	0
APR 14...	248	1.4	.01	1.4	1.0	.230	.71	3	2	1	0
MAY 08...	150	1.3	.01	1.3	.68	.240	.74	2	0	2	0
JUN 11...	89	1.2	.00	1.2	.70	.180	.55	2	1	1	0
JUL 08...	284	2.6	.02	2.6	1.1	.360	1.1	1	--	2	0
AUG 05...	126	1.4	.02	1.4	1.0	.210	.64	3	0	3	0
SEP 04...	105	1.3	.01	1.3	.91	.200	.61	2	0	2	0

DATE	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 02...	<1	1	0	1	0	0	11	6	5	10
NOV 01...	<1	3	2	1	10	0	31	26	5	10
DEC 14...	<1	0	--	1	10	0	2	1	1	20
JAN 08...	<1	1	0	1	0	0	3	3	0	100
FEB 05...	<1	1	0	1	10	0	2	0	2	20
MAR 12...	<1	0	--	<1	20	0	12	7	5	20
APR 14...	<1	0	--	<1	0	0	18	14	4	20
MAY 08...	<1	1	--	1	0	0	17	9	8	20
JUN 11...	<1	0	--	<1	0	0	16	10	6	10
JUL 08...	<1	0	--	<1	20	0	50	43	7	10
AUG 05...	<1	5	4	1	10	0	16	10	6	10
SEP 04...	--	1	--	--	20	0	12	8	4	--

< Actual value is known to be less than the value shown.

MISSISSIPPI RIVER MAIN STEM

07374220 MISSISSIPPI RIVER AT UNION, LA (CE 01222)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECov- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECov- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECov- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)
OCT 02...	11	11	0	.1	.0	.1	4	4	0	1
NOV 01...	10	10	0	.0	.0	.0	6	3	3	0
DEC 14...	6	6	0	.0	.0	.0	4	1	3	0
JAN 08...	11	10	1	.0	.0	.0	8	3	5	0
FEB 05...	8	8	0	.3	.1	.2	7	0	7	0
MAR 12...	13	13	0	.2	.2	.0	15	11	4	1
APR 14...	10	8	2	.0	.0	.0	12	12	0	0
MAY 08...	10	10	0	.1	.1	.0	13	9	4	0
JUN 11...	4	4	0	.0	.0	.0	9	7	2	1
JUL 08...	31	31	0	.3	.3	.0	12	7	5	1
AUG 05...	11	11	0	.1	.1	.0	7	4	3	0
SEP 04...	6	4	2	.0	.0	.0	11	9	2	1

DATE	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECov- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)
OCT 02...	1	0	1.0	10	3	7	--	.00	3	6
NOV 01...	0	0	1.0	60	50	6	7.8	.00	6	1
DEC 14...	0	0	1.0	40	30	10	8.8	.00	3	0
JAN 08...	0	0	.0	60	50	10	5.5	.00	1	0
FEB 05...	0	0	.0	40	40	5	5.9	.00	2	1
MAR 12...	1	0	.0	60	50	7	6.5	.00	1	0
APR 14...	0	0	1.0	50	50	<3	6.4	.00	3	13
MAY 08...	0	0	.0	40	40	<3	8.0	.00	4	0
JUN 11...	1	0	5.0	40	40	<3	6.9	.00	4	2
JUL 08...	0	1	1.0	60	60	<3	14	.00	2	0
AUG 05...	0	0	2.0	30	30	5	7.1	.00	0	0
SEP 04...	1	0	2.0	40	--	--	8.9	.01	0	0

< Actual value is known to be less than the value shown.

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA

LOCATION.--Lat 29°56'19", long 90°21'49", T.13 S., R.21 E., St. Charles Parish, Hydrologic Unit 08090100, at Luling-Destrehan ferry crossing, 17 mi (27.4 km) west of New Orleans, and at mile 120.6.

DRAINAGE AREA.--1,129,800 mi² (2,924,900 km²), arbitrarily determined.

PERIOD OF RECORD.--Water years 1958 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1957 to September 1972, October 1974 to September 1975, October 1976 to current year.

WATER TEMPERATURES: October 1957 to September 1972, October 1977 to current year.

CHLORIDE: October 1974 to September 1975, October 1976 to current year.

SULFATE: October 1974 to September 1975, October 1976 to September 1978.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 636 micromhos Oct. 12, 1959; minimum daily, 219 micromhos Mar. 27, 28, 30, 1964.

WATER TEMPERATURES: Maximum daily, 32.5°C July 10, 16, 17, 1980; minimum daily, 3.0°C Jan. 12, 1962.

CHLORIDE: Maximum daily, 69 mg/L June 24, 1977; minimum daily, 11 mg/L Mar. 22, 1975.

SULFATE: Maximum daily, 89 mg/L Oct. 10, 1977; minimum daily, 20 mg/L Feb. 8, Apr. 26, 1978.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 499 micromhos Sep. 16, 17, 18; minimum daily, 284 micromhos Apr. 5.

WATER TEMPERATURES: Maximum daily, 32.5°C July 10, 16, 17; minimum daily, 4.0°C Feb. 17.

CHLORIDE: Maximum daily, 39 mg/L June 29; minimum daily, 15 mg/L Jan. 10, 11, Apr. 13, 19, 25.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)
OCT 02...	1400	352	7.5	24.0	10	70	<1.0	8.4	20	.5	5600
NOV 01...	1000	421	7.4	19.5	10	30	<1.0	8.2	16	.4	3000
DEC 13...	1100	345	6.4	9.0	15	60	<1.0	10.8	40	--	1600
JAN 09...	1100	335	7.1	7.5	20	50	<1.0	8.8	--	.8	5000
FEB 06...	1200	358	7.4	5.0	30	50	<1.0	12.0	18	.2	2700
MAR 05...	1030	396	7.3	7.0	10	40	<1.0	11.2	24	1.7	K900
APR 14...	1530	293	7.1	14.0	20	70	<1.0	8.9	25	1.3	1500
MAY 07...	1300	333	7.1	18.5	5	65	<1.0	7.5	39	1.8	270
JUN 11...	1430	426	7.2	26.5	5	35	<1.0	6.7	26	.0	620
JUL 08...	1500	447	7.1	29.9	15	90	<1.0	5.7	33	--	700
AUG 05...	1240	412	7.1	30.0	10	55	<1.0	6.0	9	2.1	5400
SEP 04...	1230	487	7.2	29.0	5	35	<1.0	6.6	50	--	K400

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT 02...	440	130	42	36	10	108	0	89	5.6	51	21
NOV 01...	K220	160	54	43	12	125	0	103	7.9	67	26
DEC 13...	--	120	37	33	8.8	99	0	81	63	44	21
JAN 09...	K420	130	41	36	9.9	109	0	89	14	49	18
FEB 06...	320	130	32	35	10	118	0	97	7.4	47	20
MAR 05...	K120	140	41	39	11	124	0	102	10	54	25
APR 14...	210	120	44	33	8.8	91	0	75	12	36	17
MAY 07...	140	130	42	34	9.9	103	0	84	13	41	17
JUN 11...	300	140	43	38	11	118	0	97	12	54	29
JUL 08...	560	160	54	43	13	130	0	107	17	55	29
AUG 05...	K1000	140	40	39	11	125	0	103	16	53	24
SEP 04...	<10	160	48	42	13	135	0	110	14	87	31

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS P04)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)
OCT 02...	170	1.1	.08	1.2	1.1	.380	1.2	3	1	2	0
NOV 01...	66	.94	.01	.95	.35	.190	.58	1	0	1	0
DEC 13...	188	.98	.02	1.0	.78	.250	.77	2	--	--	0
JAN 09...	181	1.2	.10	1.3	.75	.280	.86	2	1	1	0
FEB 06...	140	1.2	.06	1.3	.59	.240	.74	2	1	1	0
MAR 05...	99	1.3	.05	1.3	.94	.180	.55	2	1	1	0
APR 14...	280	1.4	.01	1.4	1.0	.330	1.0	3	2	1	0
MAY 07...	163	1.4	.01	1.4	.63	.220	.67	2	1	1	0
JUN 11...	85	1.2	.01	1.2	.66	.220	.67	2	1	1	0
JUL 08...	290	2.6	.02	2.6	1.7	.060	.18	4	2	2	0
AUG 05...	22	1.6	.02	1.6	1.4	.280	.86	3	1	2	0
SEP 04...	95	1.3	.01	1.3	1.2	.170	.52	2	0	2	0

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	BERYLLIUM, DIS- SOLVED (UG/L AS RE)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)
OCT 02...	<1	2	1	1	0	0	22	19	3	10	14
NOV 01...	<1	1	0	1	0	0	12	4	8	--	5
DEC 13...	<1	1	0	1	16	0	28	--	--	20	11
JAN 09...	<1	1	0	1	0	0	1	1	0	30	8
FEB 06...	<1	1	0	1	10	0	2	1	1	10	12
MAR 05...	<1	1	0	1	0	0	17	10	7	30	7
APR 14...	<1	0	--	<1	10	0	21	16	5	40	11
MAY 07...	<1	0	--	<1	0	0	17	9	8	10	8
JUN 11...	<3	0	--	1	0	0	13	8	5	10	4
JUL 08...	<1	1	0	1	10	0	58	51	7	10	22
AUG 05...	<1	1	--	2	20	0	29	18	11	10	10
SEP 04...	<1	2	1	1	20	0	21	13	8	10	8

DATE	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)
OCT 02...	12	2	.1	.1	.0	9	3	6	1	1	0
NOV 01...	5	0	.1	.1	.0	3	--	5	0	0	0
DEC 13...	--	--	.1	.1	.0	7	--	--	0	0	0
JAN 09...	8	0	.0	.0	.0	7	5	2	0	--	1
FEB 06...	11	1	.3	.1	.2	11	9	2	0	0	0
MAR 05...	7	0	.2	.2	.0	3	1	2	0	--	1
APR 14...	9	2	.0	.0	.0	13	13	0	0	0	0
MAY 07...	8	0	.1	.1	.0	10	6	4	0	0	0
JUN 11...	4	0	.0	.0	.0	5	3	2	0	0	0
JUL 08...	22	0	.3	.3	.0	18	12	6	1	0	1
AUG 05...	10	0	.0	.0	.0	8	6	2	1	1	0
SEP 04...	7	1	.0	.0	.0	14	11	3	1	1	0

< Actual value is known to be less than the value shown.

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	VANADIUM, DISSOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUB- PENDED RECOVERABLE (UG/L AS ZN)	ZINC, DISSOLVED (UG/L AS ZN)	TRITIUM IN WATER MOLECULES (TU)	TRITIUM WATER MOLECULES COUNT ERROR (TU)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOVERABLE GRAVIMETRIC (MG/L)
OCT 02...	1.0	30	20	6	41.2	4.0	--	.00	2	120
NOV 01...	1.0	30	20	10	41.5	4.0	4.1	.00	2	1
DEC 13...	1.0	40	30	6	30.7	4.0	6.4	.00	0	1
JAN 09...	.0	50	40	9	42.0	4.0	8.1	.00	1	1
FEB 06...	.0	40	30	8	31.6	3.9	7.7	.00	3	0
MAR 05...	1.0	40	40	<3	38.3	4.0	4.8	.00	0	0
APR 14...	1.0	50	50	<3	26.2	3.3	7.5	.00	1	3
MAY 07...	.0	60	50	9	--	--	6.1	.00	2	0
JUN 11...	5.0	50	50	<3	--	--	8.3	.00	2	0
JUL 08...	1.0	70	70	<3	--	--	12	.00	1	0
AUG 05...	2.0	50	40	10	--	--	13	.00	2	0
SEP 04...	2.0	70	60	8	--	--	6.1	.01	3	0

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	356	435	391	386	358	396	292	362	356	460	421	469
2	364	434	395	382	363	401	293	333	355	460	---	452
3	360	442	396	367	376	404	285	333	356	460	400	452
4	352	450	396	380	375	407	298	333	367	460	403	452
5	346	440	391	375	362	---	284	334	370	460	429	452
6	326	427	395	352	361	408	300	371	364	460	431	452
7	324	425	---	350	369	445	301	345	358	460	451	445
8	328	437	383	349	370	458	309	343	398	---	473	451
9	363	435	387	348	374	444	301	355	400	---	454	440
10	362	443	368	342	374	450	300	355	404	---	473	419
11	365	453	365	346	364	457	319	363	420	---	469	418
12	357	453	345	353	374	470	319	372	460	---	480	498
13	347	450	344	356	349	457	319	388	---	---	471	467
14	355	463	343	344	347	412	310	407	467	---	481	474
15	354	460	342	339	357	465	309	409	481	---	463	476
16	352	443	383	355	368	457	319	416	460	449	480	499
17	355	426	374	385	369	431	319	402	468	448	473	499
18	362	420	390	382	375	410	319	410	480	448	473	499
19	362	407	388	394	373	399	308	410	454	444	463	495
20	369	407	389	381	379	399	319	409	453	446	463	494
21	369	405	389	393	382	377	318	402	396	448	464	486
22	367	413	390	379	385	369	317	394	395	400	463	487
23	373	407	383	375	385	369	320	392	401	410	476	445
24	385	400	384	365	397	345	323	402	420	443	475	445
25	383	385	375	364	399	337	327	403	424	435	482	444
26	391	388	373	361	399	320	327	413	433	438	486	444
27	390	396	375	346	398	319	326	409	438	435	486	447
28	406	386	377	334	397	---	333	409	439	450	486	440
29	413	394	375	327	396	320	329	420	479	419	487	441
30	413	383	372	336	---	316	333	414	481	428	476	442
31	424	---	367	360	---	292	---	414	---	422	473	---

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.0	---	12.0	9.5	8.0	5.0	10.5	17.0	24.0	28.0	31.0	30.0
2	24.0	18.5	13.5	9.0	6.0	4.5	10.5	17.5	26.0	28.0	30.0	29.5
3	24.5	19.5	13.0	---	6.5	5.5	12.0	17.5	25.0	28.0	30.0	29.0
4	23.5	16.0	12.5	7.0	6.0	6.5	12.0	18.0	26.0	28.5	29.0	29.5
5	23.0	16.5	12.5	7.0	6.0	7.0	11.5	18.5	25.0	29.0	30.0	29.0
6	23.5	16.0	14.0	8.0	5.5	7.0	12.5	19.0	26.0	29.5	30.5	28.5
7	24.5	17.5	---	8.5	6.0	8.0	13.0	19.0	26.0	30.0	30.0	29.0
8	23.5	16.5	10.5	8.0	6.0	7.5	13.5	19.0	26.0	30.0	30.5	29.5
9	22.0	19.0	10.0	8.5	5.5	8.5	14.5	19.0	26.0	30.0	30.0	29.5
10	22.0	18.0	10.0	9.0	5.0	8.5	14.5	20.0	26.5	32.5	30.0	30.0
11	21.5	15.0	10.0	9.0	5.5	8.0	13.5	20.5	27.0	32.0	30.0	30.5
12	22.5	15.0	11.0	8.0	5.5	8.5	14.0	21.5	26.0	30.0	30.0	30.5
13	22.5	15.5	11.5	8.5	5.5	8.5	14.0	22.0	---	30.0	30.0	29.5
14	22.5	15.0	11.0	9.0	6.0	9.0	14.5	22.5	26.5	30.5	29.5	30.0
15	21.0	15.0	11.5	9.5	6.0	9.5	14.5	22.0	27.0	30.5	30.5	29.5
16	20.5	15.0	8.0	10.0	4.5	9.5	15.0	22.0	27.0	32.5	30.0	29.5
17	20.0	14.5	9.5	8.5	4.0	10.0	14.5	22.5	27.0	32.5	30.0	29.5
18	20.5	18.0	9.0	8.0	5.0	9.5	15.0	23.0	27.0	30.0	31.5	28.5
19	20.0	17.5	10.0	---	5.0	10.0	15.0	22.0	27.0	31.5	31.0	29.0
20	20.5	16.5	9.5	9.0	6.0	10.5	15.5	23.0	27.0	30.0	30.0	29.0
21	20.5	14.5	8.0	10.0	6.0	9.5	15.0	22.5	27.5	31.5	30.5	30.0
22	20.0	15.0	8.0	9.0	6.5	9.5	15.0	22.0	27.0	31.0	30.0	30.0
23	19.0	13.0	8.0	9.5	5.5	10.5	15.0	23.0	27.0	---	30.5	29.5
24	---	13.0	8.5	9.5	7.0	10.5	16.0	22.5	27.0	31.0	30.0	29.0
25	19.5	14.0	9.0	9.0	6.5	10.0	15.5	23.0	28.0	31.5	30.0	29.0
26	20.5	13.5	8.0	10.0	7.0	10.0	15.0	23.5	28.0	30.0	30.5	29.5
27	20.0	14.0	9.0	8.0	8.0	10.5	15.0	24.0	28.0	30.0	30.5	29.0
28	19.5	13.0	9.0	9.0	8.0	10.0	16.5	23.0	28.0	30.5	30.0	28.0
29	19.5	14.5	9.5	8.5	8.5	10.0	17.0	24.0	28.0	30.0	29.5	28.5
30	20.0	14.0	8.5	9.5	---	10.5	17.0	24.5	28.0	31.5	29.5	27.5
31	19.5	---	---	8.5	---	10.0	---	24.5	---	30.0	29.0	---

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	24	32	25	18	25	20	25	28	36	29	28
2	22	22	32	25	17	---	25	20	28	36	27	31
3	20	28	32	22	17	25	20	20	32	36	25	29
4	22	24	30	20	18	30	20	20	28	37	26	30
5	20	26	32	19	25	25	20	24	27	35	28	30
6	18	28	32	16	25	25	20	28	26	37	28	30
7	18	24	---	16	25	---	25	21	26	35	31	32
8	20	26	28	16	25	30	30	21	31	29	33	31
9	22	22	30	18	25	30	20	26	32	30	34	31
10	20	28	30	15	20	35	25	26	32	30	31	28
11	22	26	30	15	20	30	20	27	34	---	34	26
12	18	28	24	16	---	35	25	27	32	34	34	31
13	22	26	22	18	20	35	15	29	---	33	32	32
14	22	28	24	18	20	30	---	32	30	31	33	34
15	20	26	24	17	25	35	25	32	32	22	32	36
16	22	24	24	17	25	35	20	32	32	32	33	34
17	22	24	24	20	25	30	20	30	32	32	33	31
18	22	24	26	20	25	30	20	30	32	29	32	30
19	18	24	30	20	30	25	15	31	26	31	29	34
20	---	28	26	18	25	25	25	34	31	34	29	32
21	16	24	30	20	25	25	20	32	25	33	29	33
22	18	24	30	19	20	25	25	29	24	31	28	31
23	18	26	24	18	30	30	20	29	23	31	31	30
24	22	24	24	17	25	25	20	28	27	29	30	28
25	20	22	24	17	30	25	15	30	33	30	32	28
26	20	22	22	19	25	25	25	34	35	28	32	29
27	20	---	22	18	30	20	20	36	34	27	33	31
28	22	22	20	17	25	25	---	35	37	31	35	32
29	22	28	20	17	25	25	20	34	39	30	32	30
30	26	24	22	16	---	25	20	31	38	30	32	28
31	22	---	22	20	---	20	---	31	---	30	31	---

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)
OCT		
01-10	210	.29
11-20	214	.29
21-31	232	.32
NOV		
01-10	250	.34
11-20	256	.35
21-30	240	.33
DEC		
01-10	236	.32
11-20	234	.32
21-31	253	.34
JAN		
01-10	213	.29
11-20	221	.30
21-31	226	.31
FEB		
01-10	231	.31
11-20	223	.30
21-29	243	.33
MAR		
01-10	264	.36
11-20	270	.37
21-31	221	.30
APR		
01-10	173	.24
11-20	186	.25
21-30	182	.25
MAY		
01-10	202	.27
11-20	242	.33
21-31	235	.32
JUN		
01-10	217	.30
11-20	262	.36
21-30	255	.35
JUL		
01-10	239	.33
11-20	237	.32
21-31	245	.33
AUG		
01-10	248	.34
11-20	276	.38
21-31	270	.37
SEPT		
01-10	273	.37
11-20	288	.39
21-30	262	.36

07375000 TCHEFUNCTA RIVER NEAR FOLSOM, LA

LOCATION.--Lat 30°36'57", 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, Hydrologic Unit 08090201, 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 State Highway 40. Total drainage area for extreme floods is 103 mi² (267 km²).

REVISED RECORDS.--WSP 1057: 1944 (M), 1945. WSP 1281: 1953 (M).

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 Chefuncte River near Folsom.

GAGE.--Water-stage recorder. Datum of gage is 62.11 ft (18.931 m) National Geodetic Vertical Datum of 1929. Prior to June 9, 1944, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--37 years, 162 ft³/s (4.588 m³/s), 23.04 in/yr (585 mm/yr).

EXTREMES FOR 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 13,000 ft³/s (370 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.

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Dec. 15	0130	1540 43.6	15.25 4.648	Mar. 29	0500	*4460 126	*18.44 5.621
Mar. 8	2100	2520 71.4	16.89 5.148	Apr. 13	1630	3790 107	18.00 5.486

Minimum discharge, 48 ft³/s (1.36 m³/s) Oct. 17, 20, 21, 26-30, Sept. 12; minimum gage height, 5.29 ft (1.612 m) Oct. 29, 30, 31.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	58	60	70	93	112	249	663	160	96	61	59	51
2	57	58	67	87	105	553	421	150	90	61	59	52
3	56	52	65	83	98	412	773	180	84	64	60	53
4	55	50	63	80	95	176	888	160	80	65	61	70
5	54	50	62	79	93	149	480	140	77	61	60	56
6	53	50	63	76	95	170	266	121	76	59	58	55
7	52	49	63	74	104	141	224	108	74	59	58	56
8	52	50	62	73	97	1050	301	106	74	58	57	55
9	52	50	60	82	101	1380	573	130	80	58	57	53
10	51	58	59	115	214	569	462	108	170	58	57	51
11	51	75	58	206	251	325	257	97	120	57	60	49
12	50	71	59	609	156	257	409	92	96	57	62	48
13	50	63	66	712	126	184	2470	89	85	56	58	60
14	49	57	533	312	113	148	2710	87	80	55	56	60
15	49	55	1220	183	105	120	988	88	76	55	71	52
16	49	54	543	144	104	104	460	90	70	56	62	51
17	48	53	235	180	124	193	268	100	66	58	64	53
18	49	52	159	358	121	643	160	200	66	59	59	55
19	49	52	124	418	105	608	300	500	80	57	56	56
20	49	51	108	255	97	341	200	1500	150	68	54	59
21	48	51	98	170	95	265	175	1200	100	109	53	59
22	49	52	93	162	116	274	160	700	88	130	53	55
23	49	59	125	321	130	197	150	300	90	119	54	51
24	51	84	351	353	110	188	145	220	125	149	51	50
25	49	131	537	231	97	288	140	190	101	87	50	50
26	48	266	378	178	89	311	400	170	77	72	51	68
27	48	256	204	174	84	585	1200	150	70	68	55	66
28	48	110	149	155	83	1550	300	130	67	66	54	58
29	48	84	124	133	82	3250	200	120	64	68	53	52
30	48	74	110	121	---	2680	170	110	62	66	51	67
31	54	---	102	114	---	1540	---	100	---	62	51	---
TOTAL	1573	2277	6010	6331	3302	18900	16313	7596	2634	2178	1764	1671
MEAN	50.7	75.9	194	204	114	610	544	245	87.8	70.3	56.9	55.7
MAX	58	266	1220	712	251	3250	2710	1500	170	149	71	70
MIN	48	49	58	73	82	104	140	87	62	55	50	48
CFSM	.53	.80	2.03	2.14	1.19	6.39	5.70	2.57	.92	.74	.60	.58
IN.	.61	.69	2.34	2.47	1.29	7.36	6.35	2.96	1.03	.85	.69	.65

CAL YR 1979	TOTAL	71757	MEAN 197	MAX 4260	MIN 42	CFSM 2.06	IN 27.95
WTR YR 1980	TOTAL	70549	MEAN 193	MAX 3250	MIN 48	CFSM 2.02	IN 27.48

07375000 TCHEFUNCTA RIVER NEAR FOLSOM, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.50	5.54	5.71	6.11	6.19	7.85	11.34	---	---	5.66	5.53	5.37
2	5.49	5.50	5.66	6.00	6.09	10.68	9.71	---	---	5.66	5.51	5.38
3	5.47	5.38	5.63	5.93	5.99	9.53	11.96	---	---	5.72	5.54	5.40
4	5.44	5.34	5.60	5.89	5.93	7.21	12.59	---	---	5.73	5.57	5.72
5	5.42	5.33	5.58	5.86	5.90	6.89	10.13	---	6.05	5.66	5.54	5.47
6	5.40	5.34	5.59	5.81	5.94	7.15	8.21	6.51	6.01	5.62	5.51	5.44
7	5.39	5.33	5.59	5.78	6.07	6.79	7.76	6.33	---	5.62	5.50	5.45
8	5.38	5.34	5.58	5.77	5.97	11.55	8.56	6.31	---	5.59	5.49	5.44
9	5.38	5.35	5.54	5.92	6.03	14.38	10.84	6.64	---	5.59	5.47	5.41
10	5.37	5.49	5.51	6.42	7.53	10.74	10.06	6.33	---	5.58	5.48	5.35
11	5.35	5.79	5.51	7.51	7.98	8.81	8.11	6.16	---	5.57	5.53	5.33
12	5.35	5.74	5.51	10.97	6.82	8.11	9.35	6.08	---	5.55	5.57	5.31
13	5.34	5.60	5.64	11.64	6.39	7.30	16.07	6.03	---	5.53	5.50	5.53
14	5.33	5.48	9.93	8.64	6.19	6.88	16.88	6.01	---	5.50	5.47	5.54
15	5.32	5.43	14.01	7.30	6.08	6.50	13.04	6.02	---	5.48	5.73	5.38
16	5.32	5.42	10.53	6.83	6.07	6.27	9.98	6.05	---	5.51	5.58	5.37
17	5.31	5.41	7.87	7.26	6.36	7.29	8.23	---	---	5.55	5.61	5.40
18	5.32	5.39	7.01	9.14	6.31	11.27	---	---	---	5.55	5.51	5.45
19	5.32	5.38	6.55	9.71	6.08	11.07	---	---	---	5.52	5.46	5.46
20	5.31	5.37	6.32	8.09	5.98	8.94	---	---	---	5.69	5.43	5.52
21	5.31	5.37	6.18	7.15	5.94	8.20	---	---	---	6.35	5.40	5.52
22	5.32	5.39	6.10	7.05	6.23	8.30	---	---	---	6.64	5.40	5.45
23	5.33	5.51	6.54	8.76	6.46	7.45	---	---	---	6.49	5.43	5.37
24	5.36	5.95	9.04	9.07	6.16	7.35	---	---	---	6.87	5.36	5.35
25	5.32	6.64	10.62	7.73	5.97	8.44	---	---	6.32	5.99	5.34	5.34
26	5.31	8.19	9.30	7.11	5.84	8.67	---	---	5.97	5.75	5.35	5.68
27	5.30	8.08	7.53	7.05	5.75	10.89	---	---	5.85	5.68	5.44	5.64
28	5.30	6.34	6.88	6.80	5.73	14.57	---	---	5.78	5.65	5.43	5.50
29	5.30	5.95	6.55	6.50	5.72	17.45	---	---	5.73	5.69	5.40	5.39
30	5.29	5.79	6.36	6.32	---	16.91	---	---	5.69	5.64	5.35	5.65
31	5.41	---	6.23	6.21	---	14.81	---	---	---	5.58	5.35	---
MEAN	5.36	5.74	6.97	7.30	6.20	9.62	---	---	---	5.75	5.48	5.45
MAX	5.50	8.19	14.01	11.64	7.98	17.45	16.88	---	---	6.87	5.73	5.72
MIN	5.29	5.33	5.51	5.77	5.72	6.27	---	---	---	5.48	5.34	5.31

MISSISSIPPI RIVER DELTA

07375050 TCHEFUNCTA RIVER NEAR COVINGTON, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°29'40", long 90°10'10", in SW¼ sec. 26, T.6 S., R.10 E., St. Helena Meridian, St. Tammany Parish, Hydrologic Unit 08090201, at bridge on U.S. Highway 190, and 4.0 mi (6.4 km) west of Covington.

DRAINAGE AREA.--145 mi² (376 km²).

PERIOD OF RECORD.--Water years 1959, 1966-68, 1978 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1978 to current year.

WATER TEMPERATURES: April 1978 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 66 micromhos Feb. 24, 1979; minimum daily, 20 micromhos, Apr 14, May 17, 18, 22, 1980.

WATER TEMPERATURES: Maximum daily, 34.0°C July 25, 1980; minimum daily, 5.0°C Jan. 24, Feb. 2, 9, 1979.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 55 micromhos Feb. 12; minimum daily, 20 micromhos Apr. 14, May 17, 18, 22.

WATER TEMPERATURES: Maximum daily, 34.0°C July 25; minimum daily, 6.0°C Mar. 3.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT											
23...	1215	58	40	7.1	20.5	15	2.5	8.6	1.0	300	160
NOV											
08...	1130	60	34	6.2	14.5	5	2.1	--	.2	220	100
DEC											
19...	1030	113	47	5.8	9.0	30	14	9.9	4.1	860	3600
JAN											
30...	1200	150	43	6.9	16.0	40	62	8.8	--	140	K30
FEB											
14...	1200	125	45	6.2	11.0	30	12	10.7	1.8	280	170
MAR											
12...	1430	419	40	5.9	20.0	40	20	8.0	1.7	580	260
APR											
01...	1600	1650	34	6.2	17.5	60	26	7.7	2.1	640	160
MAY											
14...	1445	73	36	6.1	22.5	15	9.0	8.1	3.0	<4	820
JUN											
06...	1345	104	35	6.1	25.7	15	6.5	7.6	.4	K68	170
JUL											
02...	1130	78	35	6.4	28.5	15	7.0	7.2	.8	130	200
AUG											
07...	0745	72	35	6.2	30.5	30	6.9	7.5	.8	100	320
SEP											
03...	1130	61	39	6.0	25.5	20	5.2	7.7	1.4	200	260

DATE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AN- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CACO3)
OCT											
23...	8	0	1.9	.8	4.6	50	.7	1.5	13	0	11
NOV											
08...	7	0	1.6	.8	4.1	51	.7	.9	13	0	11
DEC											
19...	9	3	1.8	1.0	4.1	51	.6	3.1	7	0	6
JAN											
30...	8	0	1.7	1.0	3.9	45	.6	1.6	10	0	8
FEB											
14...	9	3	1.8	1.1	3.9	43	.6	1.9	7	0	6
MAR											
12...	8	3	1.7	1.0	3.5	41	.5	2.0	7	0	6
APR											
01...	6	3	1.2	.8	2.2	35	.4	1.9	4	0	3
MAY											
14...	7	0	1.6	.7	3.2	46	.5	1.1	9	0	7
JUN											
06...	7	2	1.6	.8	3.3	45	.5	1.1	6	0	5
JUL											
02...	8	0	1.6	1.0	3.3	43	.5	1.1	10	0	8
AUG											
07...	9	0	2.3	.9	4.0	44	.6	1.2	11	0	9
SEP											
03...	6	0	1.7	.5	4.2	54	.7	1.1	11	0	9

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07375050 TCHEFUNCTA RIVER NEAR COVINGTON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CARRON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
OCT 23...	1.7	2.8	5.4	.0	13	32	36	.04	.08	.08	.01
NOV 08...	13	2.4	4.1	.0	13	34	33	.05	.04	.05	.04
DEC 19...	18	3.4	7.1	.1	10	38	34	.05	.45	.47	--
JAN 30...	2.1	2.8	5.3	.0	9.7	41	31	.06	.39	.35	.00
FEB 14...	7.0	4.2	6.2	.0	9.1	37	32	.05	.44	.43	.09
MAR 12...	14	1.5	5.4	.0	7.4	41	26	.06	.33	.34	.13
APR 01...	4.0	3.0	3.0	.0	4.0	28	18	.04	.23	.23	.11
MAY 14...	12	.9	3.9	.1	12	36	28	.05	.23	.24	.07
JUN 06...	7.8	3.0	4.1	.0	12	29	28	.04	.19	.22	.06
JUL 02...	6.3	1.0	3.8	.1	11	34	30	.05	.23	.11	.02
AUG 07...	11	.9	4.3	.2	12	33	31	.04	--	.32	.03
SEP 03...	18	.9	4.8	.1	13	31	31	.04	.03	.04	.03

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN+NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)
OCT 23...	.02	.01	.03	2.7	.83	2.7	1.9	.85	2.8	.93	12
NOV 08...	.01	.05	.01	.51	.36	.55	.18	.37	.59	.42	2.6
DEC 19...	.34	--	.44	--	.86	1.1	--	1.2	1.6	1.7	6.9
JAN 30...	.03	.00	.04	.57	.24	.57	.30	.27	.96	.62	4.3
FEB 14...	.09	.11	.12	.47	.50	.56	--	.59	1.0	1.0	4.4
MAR 12...	.13	.16	.17	.97	.54	1.1	.43	.67	1.4	1.0	6.3
APR 01...	.04	.13	.05	.99	.93	1.1	.13	.97	1.3	1.2	5.9
MAY 14...	.06	.08	.08	.38	.35	.45	.04	.41	.68	.65	3.0
JUN 06...	.00	.07	.00	.67	.70	.73	.03	.70	.92	.92	4.1
JUL 02...	.00	.02	.00	.45	.30	.47	.17	.30	.70	.41	3.1
AUG 07...	.00	.04	.00	.78	.79	.81	.02	.79	--	1.1	--
SEP 03...	.05	.04	.07	.75	.73	.78	.00	.78	.81	.82	3.6

07375050 TCHEFUNCTA RIVER NEAR COVINGTON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE (MG/L AS C)
OCT 23...	.040	.12	.030	0	0	0	--	4.7	.1
NOV 08...	.040	.12	.020	--	--	--	3.3	--	--
DEC 19...	.070	.21	.030	0	--	--	6.0	--	--
JAN 30...	.090	.28	.040	0	0	0	--	4.1	1.2
FEB 14...	.090	.25	.060	--	--	--	4.4	--	--
MAR 12...	.110	.34	.050	0	--	--	7.8	--	--
APR 01...	.110	.34	.070	0	0	0	--	10	1.5
MAY 14...	.070	.21	.040	0	--	--	4.2	--	--
JUN 06...	.070	.21	.010	--	--	--	4.7	--	--
JUL 02...	--	--	.050	0	0	0	--	4.2	.8
AUG 07...	.070	.21	.060	0	--	--	3.0	--	--
SEP 03...	.350	1.1	.070	--	--	--	2.3	--	--

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS RA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS RA)	BARIUM, DIS- SOLVED (UG/L AS RA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 23...	1	0	1	200	180	20	1	0	1	0
JAN 30...	1	1	0	--	--	20	0	--	<1	0
APR 01...	0	0	0	100	80	20	1	--	2	0
JUL 02...	0	0	0	--	--	20	0	--	1	10

	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 23...	0	0	0	<3	4	2	2	320	120	200
JAN 30...	0	0	0	<3	2	2	0	680	440	240
APR 01...	0	0	2	3	3	--	4	660	510	150
JUL 02...	10	0	0	<3	5	1	4	550	340	210

< Actual value is known to be less than the value shown.

07375050 TCHEFUNCTA RIVER NEAR COVINGTON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 23...	2	2	0	--	--	30	.0	.0	.0
JAN 30...	4	3	1	60	20	40	.1	.1	.0
APR 01...	4	4	0	80	30	50	.0	.0	.0
JUL 02...	9	9	0	60	10	50	.1	.1	.0

DATE	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SF)	SELE- NIUM, SUS- PENDE RECOV- (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 23...	3	2	1	0	0	0	--	--	10
JAN 30...	5	5	0	0	0	0	10	1	9
APR 01...	0	--	2	0	0	0	20	10	6
JUL 02...	5	1	4	0	0	0	20	10	10

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 23...	--	30	4.7	59
NOV 08...	54000	10	1.6	95
DEC 19...	--	34	10	68
JAN 30...	--	36	15	86
FEB 14...	--	37	12	86
MAR 12...	1400	58	66	74
APR 01...	--	44	196	91
MAY 14...	1800	21	4.1	95
JUN 06...	480	24	6.7	83
JUL 02...	320	22	4.6	80
AUG 07...	--	24	4.7	79
SEP 03...	--	14	2.3	50

07375050 TCHEFUNCTA RIVER NEAR COVINGTON, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	38	41	48	43	---	46	25	34	33	33	---	29
2	38	38	46	41	41	45	---	35	32	31	---	29
3	38	37	44	41	41	54	28	36	32	30	33	29
4	37	36	42	41	41	49	30	36	---	31	---	27
5	37	---	41	39	41	44	36	34	31	31	---	27
6	36	36	40	39	41	41	---	---	31	30	---	27
7	36	36	---	38	40	---	39	40	31	31	31	29
8	36	35	39	36	39	43	36	38	31	30	30	33
9	35	---	39	38	40	36	35	38	30	32	30	31
10	35	---	38	38	40	33	36	35	30	30	30	---
11	38	---	38	29	38	---	38	35	30	---	31	---
12	34	---	38	40	55	39	---	---	---	30	30	28
13	---	34	38	42	49	43	---	36	29	---	31	30
14	36	36	36	41	45	42	20	---	29	30	31	30
15	36	38	41	---	44	---	24	31	29	---	30	---
16	35	39	---	42	42	42	27	27	28	31	29	29
17	34	39	---	42	46	---	33	20	28	---	28	31
18	33	37	44	43	45	35	36	20	29	30	29	30
19	33	37	43	43	42	35	34	24	28	29	31	29
20	33	36	---	38	43	43	34	22	28	---	31	30
21	33	35	---	44	43	---	38	---	29	---	32	29
22	33	---	---	44	---	41	40	20	28	---	---	28
23	33	36	49	44	41	41	40	26	28	26	29	---
24	34	39	51	43	43	44	---	29	29	39	29	---
25	33	40	---	40	42	40	---	32	27	40	---	---
26	32	53	49	---	43	---	42	34	31	38	29	---
27	32	53	47	---	42	---	29	34	27	34	---	---
28	33	53	47	44	41	---	26	---	36	34	29	---
29	33	51	45	44	---	---	29	33	32	---	---	---
30	33	35	44	---	---	---	33	34	32	---	---	---
31	---	---	44	---	---	31	---	33	---	---	28	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.0	18.0	8.0	9.0	---	14.0	15.0	19.0	22.0	27.0	---	25.0
2	22.0	15.0	8.0	9.0	7.0	8.0	---	19.0	22.0	27.0	---	26.0
3	19.0	13.0	7.0	10.0	7.0	6.0	18.0	19.0	22.0	25.0	25.0	25.0
4	21.0	13.0	7.0	10.0	7.0	8.0	17.0	19.0	---	26.0	---	26.0
5	16.0	---	7.0	7.0	8.0	11.0	18.0	18.0	24.0	26.0	---	25.0
6	15.0	13.0	12.0	7.0	9.0	11.0	---	---	23.0	27.0	---	24.0
7	17.0	13.0	---	8.0	8.0	---	17.5	20.0	25.0	27.0	27.0	24.0
8	18.0	13.0	8.0	---	9.0	17.0	19.0	20.0	25.0	25.0	27.0	24.0
9	20.0	---	8.0	12.0	11.0	18.0	18.0	20.0	25.0	26.0	26.0	25.0
10	18.0	---	8.0	14.0	9.0	19.0	18.0	18.0	22.0	26.0	26.0	---
11	15.0	---	13.0	16.0	8.0	---	19.0	21.0	21.0	---	24.0	---
12	16.0	---	15.0	15.0	8.0	20.0	---	---	---	26.0	26.0	25.0
13	---	10.0	15.0	15.0	9.0	18.0	---	22.0	22.0	---	26.0	24.0
14	16.0	10.0	13.0	14.0	10.0	15.0	15.0	---	23.0	27.0	26.0	24.0
15	15.0	10.0	13.0	---	11.0	---	15.0	22.0	24.0	---	26.0	---
16	16.0	10.0	---	14.0	15.0	17.0	16.0	16.0	24.0	28.0	26.0	25.0
17	18.0	9.0	---	15.0	10.0	---	17.0	20.0	23.0	---	26.0	25.0
18	18.0	10.0	8.0	16.0	7.0	13.0	17.0	21.0	25.0	26.0	26.0	24.0
19	20.0	12.0	8.0	15.0	10.0	13.0	16.0	20.0	25.0	25.0	26.0	23.0
20	20.0	12.0	---	14.0	14.0	13.0	17.0	20.0	24.0	---	26.0	24.0
21	22.0	15.0	---	15.0	15.0	---	17.0	---	25.0	---	26.0	24.0
22	22.0	---	---	15.0	---	15.0	20.0	21.0	24.0	---	---	25.0
23	18.0	13.0	17.0	17.0	17.0	16.0	18.0	21.0	24.0	25.0	27.0	---
24	15.0	11.0	15.0	13.0	18.0	17.0	---	20.0	23.0	27.0	25.0	---
25	15.0	13.0	---	11.0	15.0	15.0	---	21.0	23.0	34.0	---	---
26	14.0	11.0	12.0	---	12.0	---	20.0	22.0	26.0	33.0	26.0	---
27	14.0	15.0	9.0	---	11.0	---	18.0	22.0	25.0	32.0	---	---
28	16.0	13.0	10.0	12.0	12.0	---	17.0	---	26.0	30.0	26.0	---
29	17.0	10.0	10.0	---	---	---	16.0	22.0	26.0	---	---	---
30	18.0	8.0	10.0	12.0	---	---	18.0	22.0	26.0	---	---	---
31	---	---	10.0	---	---	16.0	---	22.0	---	---	23.0	---

07375050 TCHFUNCTA RIVER NEAR COVINGTON, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980

DATE TIME	NOV 8,79 1130	MAR 12,80 1430	MAY 14,80 1445	JUN 6,80 1345	JUL 2,80 1130					
TOTAL CELLS/ML	54000	1400	1800	480	320					
DIVERSITY: DIVISION	0.0	1.5	0.5	1.4	1.8					
..CLASS	0.0	1.5	0.5	1.4	1.8					
...ORDER	0.0	2.1	0.5	1.7	2.3					
...FAMILY	0.0	2.6	0.6	2.0	2.5					
....GENUS	0.2	2.6	0.6	2.1	2.6					
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
..CHLOROPHYCEAE										
...CHLOROCOCCALES										
...COELASTRACEAE										
...COELASTRUM	--	-	130	9	--	-	--	-	--	-
...MICRACITINACEAE										
...MICRACITINIUM	--	-	--	-	--	-	13	3	--	-
...OOCYSTACEAE										
...ANKISTRONESMUS	--	-	13	1	--	-	39	8	--	-
...DICTYOSPHAERIUM	--	-	--	-	52	3	--	-	--	-
...KIRCHNERIELLA	--	-	--	-	--	-	13	3	58#	18
...OOCYSTIS	--	-	--	-	--	-	--	-	15	5
...SPLENASTRUM	--	-	26	2	--	-	--	-	--	-
...SCENEDESMACEAE										
...SCENEDESMUS	--	-	360#	25	77	4	--	-	--	-
..VOLVOCALES										
...CHLAMYDOMONADACEAE										
...CHLAMYDOMONAS	--	-	26	2	--	-	64	14	15	5
...VOLVOCAEAE										
...PANDORINA	--	-	--	-	--	-	13	3	--	-
...ZYGNEMATALES										
...DESMIDIACEAE										
...SPONDYLOSIUM	--	-	39	3	--	-	--	-	--	-
CHRYSTOPHYTA										
..RACILLARIOPHYCEAE										
..CENTRALES										
...COSCINODISCAEAE										
...CYCLOTELLA	--	-	--	-	--	-	--	-	44	14
...PENNALES										
...ACHNANTHACEAE										
...ACHNANTHES	--	-	280#	20	13	1	--	-	--	-
...NAVICULACEAE										
...NAVICULA	--	-	--	-	--	-	13	3	73#	23
...NITZSCHIAEAE										
...NITZSCHIA	*	0	26	2	--	-	26	5	--	-
...SURIRELLACEAE										
...SURIRELLA	--	-	--	-	13	1	--	-	15	5
CRYPTOPHYTA (CRYPTOMONADS)										
..CRYPTOPHYCEAE										
...CRYPTOMONADALES										
...CRYPTOMONADACEAE										
...CRYPTOMONAS	--	-	--	-	--	-	--	-	15	5
CYANOPHYTA (BLUE-GREEN ALGAE)										
..CYANOPHYCEAE										
...CHROOCOCCALES										
...CHROOCOCCACEAE										
...ANACYSTIS	--	-	370#	26	--	-	280#	59	87#	27
...HORMOGONALES										
...NOSTOCACEAE										
...ANABAENA	--	-	160	11	--	-	--	-	--	-
...OSCILLATORIACEAE										
...LYNGBYA	--	-	--	-	1600#	91	--	-	--	-
...OSCILLATORIA	1900	4	--	-	--	-	--	-	--	-
...SPIRULINA	52000#	96	--	-	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)										
..EUGLENOPHYCEAE										
...EUGLENALES										
...EUGLENACEAE										
...TRACHELOMONAS	--	-	--	-	--	-	13	3	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

MISSISSIPPI RIVER DELTA

07375500 TANGIPAHOA RIVER AT ROBERT, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°30'23", long 90°21'42", in lot 39, T.6 S., R.8 E., St. Helena meridian, Tangipahoa Parish, Hydrologic Unit 08070205, near left bank on downstream side of bridge on U.S. Highway 190, 1.2 mi (1.9 km) west of Robert, 2.8 mi (4.5 km) downstream from Chapeeela 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 ft (2.094 m) National Geodetic Vertical Datum of 1929. Prior to Nov. 25, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--42 years, 1,142 ft³/s (32.34 m³/s), 24.02 in/yr (610 mm/yr).

EXTREMES FOR 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.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood in 1921 reached a stage of 27.1 ft (8.26 m), from floodmark.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft³/s (140 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 13	0800	5700 161	14.57 4.441	Apr. 27	1530	15700 445	18.05 5.502
Mar. 31	1200	*35300 1000	*21.19 6.459	May 20	1300	16500 467	18.22 5.553
Apr. 15	0345	17800 504	18.50 5.639				

Minimum discharge, 475 ft³/s (13.5 m³/s) Nov. 7, gage height, 6.00 ft (1.829 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	564	520	711	692	1330	2040	16700	1430	880	671	646	637
2	557	528	659	664	1420	2760	8740	1240	840	665	804	544
3	549	505	627	642	1220	1750	8510	1240	800	661	646	521
4	538	490	604	627	1080	1120	8110	1420	750	653	626	512
5	531	485	587	618	1000	984	5040	1250	724	642	627	521
6	528	478	578	605	970	969	2670	1090	711	638	636	525
7	524	478	569	593	978	929	1950	932	695	634	607	537
8	520	478	560	592	947	2440	2360	876	684	667	593	525
9	516	480	549	657	1020	3590	4030	866	674	953	585	517
10	513	518	540	1320	2910	2220	3180	841	667	844	579	512
11	509	589	534	1770	4380	1420	1860	787	655	727	576	506
12	512	610	531	4450	4440	1190	2750	754	644	676	560	502
13	506	574	617	5480	2570	1020	10200	730	631	649	560	502
14	500	528	2230	3520	1490	928	17100	716	625	633	564	500
15	497	508	3430	2010	1250	852	16600	708	619	619	601	499
16	500	502	2190	1470	1150	803	9800	1840	616	618	576	497
17	497	498	1340	1600	1130	1450	4730	6940	612	641	564	518
18	497	492	1010	3020	1070	3330	3210	12700	611	618	547	561
19	494	490	864	3400	975	3940	3500	12600	612	613	535	519
20	493	488	781	2610	907	2700	3320	15700	750	634	527	512
21	493	488	728	1740	863	1900	1990	11700	710	877	525	510
22	494	495	708	1460	847	2230	1570	7140	712	890	562	504
23	498	571	822	1900	830	1760	1420	5080	813	784	530	496
24	498	955	1310	2570	794	1510	1270	3770	1270	832	517	491
25	500	1410	1750	2030	751	3410	1110	2060	1120	774	514	491
26	492	2100	1480	1610	720	3640	3620	1590	915	689	508	580
27	488	2010	1140	1520	699	3450	13800	1340	802	671	536	661
28	486	1370	937	1480	684	6920	9780	1170	746	658	528	564
29	485	1020	831	1310	680	15900	3450	1060	710	676	515	514
30	485	808	765	1180	---	25100	1840	988	688	644	528	621
31	509	---	725	1100	---	32700	---	937	---	615	594	---
TOTAL	15773	21466	30707	54240	39105	134955	174210	101495	22286	21566	17816	15899
MEAN	509	716	991	1750	1348	4353	5807	3274	743	696	575	530
MAX	564	2100	3430	5480	4440	32700	17100	15700	1270	953	804	661
MIN	485	478	531	592	680	803	1110	708	611	613	508	491
CFSM	.79	1.11	1.53	2.71	2.09	6.74	8.99	5.07	1.15	1.08	.89	.82
IN.	.91	1.24	1.77	3.12	2.25	7.77	10.03	5.84	1.28	1.24	1.03	.92

CAL YR 1979	TOTAL	591078	MEAN	1619	MAX	19000	MIN	478	CFSM	2.51	IN	34.04
WTR YR 1980	TOTAL	649518	MEAN	1775	MAX	32700	MIN	478	CFSM	2.75	IN	37.40

07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.30	6.17	6.89	6.84	8.19	9.95	18.12	9.41	---	6.85	6.65	6.59
2	6.27	6.20	6.70	6.74	8.43	11.46	16.01	8.90	---	6.81	7.18	6.28
3	6.25	6.11	6.59	6.66	7.86	9.63	15.93	8.90	---	6.79	6.65	6.19
4	6.21	6.05	6.51	6.60	7.46	8.00	15.78	9.37	---	6.74	6.58	6.15
5	6.18	6.03	6.45	6.57	7.24	7.60	14.02	8.92	7.42	6.70	6.59	6.18
6	6.17	6.01	6.42	6.52	7.14	7.56	11.69	8.48	7.36	6.66	6.62	6.20
7	6.16	6.01	6.39	6.48	7.17	7.42	10.59	8.05	7.29	6.64	6.52	6.25
8	6.14	6.01	6.36	6.47	7.06	10.72	11.14	7.87	7.24	6.73	6.47	6.20
9	6.13	6.02	6.33	6.71	7.29	12.54	13.24	7.84	7.19	7.66	6.45	6.16
10	6.12	6.18	6.30	8.94	11.21	10.53	12.32	7.77	7.15	7.31	6.43	6.14
11	6.11	6.46	6.28	9.98	13.24	8.85	10.44	7.60	7.10	6.92	6.42	6.11
12	6.12	6.54	6.26	13.54	13.31	8.17	11.47	7.50	7.04	6.75	6.36	6.10
13	6.09	6.41	6.57	14.41	10.69	7.71	16.31	7.42	6.99	6.66	6.36	6.10
14	6.07	6.23	11.01	12.54	8.67	7.41	18.35	7.37	6.95	6.61	6.38	6.09
15	6.06	6.14	12.57	9.77	8.02	7.16	18.24	7.36	6.92	6.56	6.50	6.08
16	6.07	6.12	10.88	8.57	7.76	6.99	16.34	9.85	6.89	6.56	6.41	6.07
17	6.06	6.10	8.99	8.83	7.75	8.62	13.76	14.98	6.87	6.63	6.37	6.15
18	6.06	6.08	7.97	12.02	7.62	12.21	12.43	17.28	6.84	6.56	6.31	6.31
19	6.05	6.07	7.47	12.54	7.36	12.94	12.74	17.25	6.84	6.54	6.27	6.15
20	6.04	6.06	7.16	11.19	7.18	11.32	12.54	18.04	7.28	6.61	6.24	6.13
21	6.04	6.05	6.97	9.23	7.07	10.01	10.75	16.97	7.13	7.39	6.23	6.11
22	6.05	6.09	6.90	8.54	7.05	10.61	9.86	15.32	7.12	7.45	6.35	6.08
23	6.07	6.38	7.31	9.58	7.03	9.70	9.47	14.11	7.45	7.11	6.24	6.05
24	6.07	7.76	8.89	10.72	6.94	9.08	9.04	12.88	8.81	7.27	6.19	6.03
25	6.08	9.17	10.10	9.84	6.84	12.04	8.59	10.76	8.36	7.08	6.17	6.03
26	6.05	10.77	9.41	8.95	6.74	12.59	12.19	9.81	7.74	6.79	6.15	6.35
27	6.03	10.58	8.38	8.71	6.67	12.48	17.52	9.19	7.35	6.73	6.26	6.63
28	6.02	9.09	7.73	8.59	6.62	14.93	16.27	8.73	7.15	6.69	6.22	6.31
29	6.02	7.98	7.35	8.12	6.60	18.06	12.50	8.42	7.01	6.75	6.17	6.13
30	6.02	7.24	7.10	7.74	---	19.72	10.34	8.24	6.92	6.64	6.22	6.49
31	6.12	---	6.96	7.51	---	20.82	---	8.09	---	6.55	6.44	---
MEAN	6.10	6.80	7.65	9.01	8.01	10.87	13.27	10.41	---	6.83	6.40	6.19
MAX	6.30	10.77	12.57	14.41	13.31	20.82	18.35	18.04	8.81	7.66	7.18	6.63
MIN	6.02	6.01	6.26	6.47	6.60	6.99	8.59	7.36	6.84	6.54	6.15	6.03

07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1979 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: November 1979 to September 1980.

WATER TEMPERATURES: November 1979 to September 1980.

INSTRUMENTATION.--Water-quality monitor since November 1979.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 63 micromhos Dec. 23, 1979; minimum, 32 micromhos Mar. 8, 1980.

WATER TEMPERATURES: Maximum, 31.5°C July 6, 1980; minimum, 8.5°C Feb. 3, 4, 1980.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 23...	1245	500	48	7.2	21.0	10	2.8	8.7	1.0	K60	K90
NOV 08...	1015	478	49	6.4	15.5	5	2.9	11.9	1.1	120	K48
DEC 18...	1530	970	56	6.1	10.0	20	17	11.1	2.6	1200	370
JAN 30...	1030	1180	48	6.4	16.0	40	7.4	9.3	1.1	140	K40
FEB 14...	1130	1480	46	6.1	11.0	20	22	10.2	2.9	440	4600
MAR 12...	1515	1150	48	6.2	20.5	10	11	8.5	1.7	280	K75
APR 01...	1815	12400	24	5.9	17.5	70	--	8.0	2.0	620	140
MAY 14...	1600	712	44	6.5	24.0	5	12	7.9	1.1	<4	520
JUN 06...	1415	709	45	6.3	28.6	10	8.1	7.7	2.4	K24	3400
JUL 02...	1015	661	46	6.7	31.0	10	7.1	7.0	1.4	84	160
AUG 07...	0815	607	55	6.5	28.0	10	6.6	7.3	1.6	100	900
SEP 03...	1300	518	49	6.0	27.0	10	7.3	7.8	1.3	K25	120

DATE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	ALKA- LITY (MG/L AS CAC03)
OCT 23...	8	0	2.0	.8	5.0	52	.8	1.4	14	0	11
NOV 08...	8	0	2.1	.7	5.8	65	.9	1.3	13	0	11
DEC 18...	11	2	2.5	1.1	5.2	54	.7	2.7	11	0	9
JAN 30...	10	0	2.2	1.0	4.2	44	.6	1.7	12	0	10
FEB 14...	10	3	2.3	1.1	3.9	41	.5	1.7	9	0	7
MAR 12...	10	1	2.1	1.1	4.5	45	.6	1.8	11	0	9
APR 01...	5	0	1.0	.6	1.9	37	.4	1.6	6	0	5
MAY 14...	9	0	2.1	1.0	3.8	43	.5	1.4	15	0	12
JUN 06...	9	0	2.1	1.0	3.9	43	.6	1.4	11	0	9
JUL 02...	10	0	2.4	1.0	4.6	45	.6	1.6	16	0	13
AUG 07...	9	0	2.2	.9	6.5	56	.9	1.4	16	0	13
SEP 03...	8	0	2.5	.4	5.0	53	.8	1.3	12	0	10

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (IONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
OCT 23...	1.4	3.3	3.8	.0	13	41	36	.06	.15	.17	.03
NOV 08...	8.2	2.9	6.7	.0	13	48	39	.07	.13	.15	.10
DEC 18...	14	4.7	8.6	.1	11	45	41	.06	.39	--	.17
JAN 30...	7.6	2.3	5.7	.1	11	46	34	.06	.33	.33	.10
FEB 14...	12	5.0	6.4	--	9.5	37	--	.05	.34	--	.09
MAR 12...	11	2.6	6.0	.0	9.7	42	33	.06	.32	.32	--
APR 01...	12	1.6	2.6	.0	4.3	23	17	.03	.20	.20	--
MAY 14...	7.7	1.1	4.7	.1	10	37	31	.05	.17	.21	.09
JUN 06...	9.0	1.2	5.0	.0	12	35	32	.05	.18	.18	.02
JUL 02...	5.2	2.0	6.5	.2	12	46	39	.06	.22	.25	.00
AUG 07...	8.3	1.4	6.6	.2	12	42	39	.06	.22	.16	--
SEP 03...	19	2.2	4.7	.1	13	48	34	.07	--	.23	--

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)
OCT 23...	.03	.04	.04	.40	.35	.43	.05	.38	.58	.55	2.6
NOV 08...	.10	.12	.13	.29	.25	.39	.04	.35	.49	.50	2.2
DEC 18...	--	.21	--	.80	--	.97	--	1.1	1.4	--	6.2
JAN 30...	.10	.12	.13	.36	.33	.46	.03	.43	.79	.76	3.5
FEB 14...	--	.11	--	--	--	--	--	--	--	--	--
MAR 12...	.15	--	.19	--	.44	.84	.25	.59	1.2	.91	5.1
APR 01...	.06	--	.08	--	.92	1.0	.02	.98	1.2	1.2	5.3
MAY 14...	.11	.11	.14	--	.99	--	--	1.1	--	1.2	--
JUN 06...	.01	.02	.01	1.1	.99	1.1	.10	1.0	1.3	1.2	5.7
JUL 02...	.01	.00	.01	.64	.54	.64	.09	.55	.86	.80	3.8
AUG 07...	.08	--	.10	--	.65	--	--	.73	--	.89	--
SEP 03...	.15	--	.19	--	.95	--	--	1.1	--	1.3	--

MISSISSIPPI RIVER DELTA

07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS P ₀₄)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE (MG/L AS C)
OCT 23...	.030	.09	.010	0	0	0	--	1.9	.1
NOV 08...	--	--	.050	--	--	--	1.3	--	--
DEC 18...	.100	.31	.040	0	--	--	4.4	--	--
JAN 30...	.040	.12	.010	0	0	0	--	3.9	.8
FEB 14...	.090	.28	--	--	--	--	3.7	--	--
MAR 12...	.100	.31	.050	0	--	--	4.2	--	--
APR 01...	.150	.46	.030	0	0	0	--	5.6	4.3
MAY 14...	.050	.15	.030	0	--	--	2.3	--	--
JUN 06...	.160	.49	.020	--	--	--	3.4	--	--
JUL 02...	.070	.21	.010	0	0	0	--	8.4	.3
AUG 07...	.060	.18	.040	0	--	--	5.7	--	--
SEP 03...	.070	.21	.060	--	--	--	2.9	--	--

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)
OCT 23...	1	0	1	200	180	20	1	4	0	0
JAN 30...	0	0	0	200	170	30	0	<1	0	0
APR 01...	1	1	0	100	80	20	0	<1	0	0
JUL 02...	1	0	1	--	--	30	0	<1	0	0

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDE RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 23...	0	0	--	<3	0	0	0	580	340	240
JAN 30...	0	2	--	3	1	1	0	690	540	150
APR 01...	0	3	0	3	5	--	7	3900	3800	100
JUL 02...	0	0	--	<3	8	7	1	700	530	170

< Actual value is known to be less than the value shown.

07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 23...	2	2	0	70	10	60	.0	.0	.0
JAN 30...	4	4	0	70	10	60	.0	.0	.0
APR 01...	8	8	0	270	180	90	.0	.0	.0
JUL 02...	9	9	0	150	40	110	.0	.0	.0

DATE	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 23...	2	--	3	0	0	0	--	--	10
JAN 30...	5	5	0	0	0	0	0	--	8
APR 01...	3	--	4	0	0	0	30	20	10
JUL 02...	7	5	2	0	0	0	40	40	5

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 23...	--	30	40	77
NOV 08...	580	16	21	90
DEC 18...	--	56	147	68
JAN 30...	--	73	233	64
FEB 14...	--	106	424	67
MAR 12...	2700	70	217	68
APR 01...	--	306	10200	87
MAY 14...	1500	26	50	96
JUN 06...	2000	38	73	86
JUL 02...	6800	43	77	84
AUG 07...	--	44	72	91
SEP 03...	--	32	45	75

07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) + WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1			---	---	---	---	49	47	48	42	---	---
2			---	---	---	---	52	46	---	---	52	46
3			---	---	---	---	52	45	48	45	50	45
4			---	---	---	---	50	45	48	45	50	47
5			---	---	---	---	49	44	48	45	48	46
6			---	---	---	---	50	44	46	44	47	44
7			---	---	---	---	45	44	46	44	46	43
8			---	---	---	---	48	44	45	44	43	32
9			---	---	---	---	48	44	49	44	40	34
10			---	---	---	---	48	42	51	42	43	37
11			---	---	45	43	55	43	40	35	46	40
12			---	---	44	43	42	36	41	38	46	41
13			---	---	49	41	43	35	43	41	47	43
14			---	---	49	41	47	44	44	42	45	43
15			54	53	50	46	48	44	47	42	44	43
16			53	50	59	49	46	44	47	43	45	42
17			50	49	60	53	55	43	51	46	---	---
18			50	48	55	51	48	42	50	45	---	---
19			49	47	52	50	47	42	49	46	---	---
20			47	46	52	49	45	42	48	44	---	---
21			47	45	51	47	45	43	49	44	---	---
22			---	---	50	46	46	44	53	46	---	---
23			---	---	63	46	51	43	54	47	---	---
24			---	---	62	52	---	---	51	46	---	---
25			---	---	57	51	45	41	52	47	---	---
26			---	---	58	55	46	44	53	46	---	---
27			---	---	57	54	45	43	49	44	---	---
28			---	---	56	52	54	43	47	43	---	---
29			---	---	54	50	47	44	44	42	---	---
30			---	---	51	48	45	44	---	---	---	---
31			---	---	49	48	---	---	---	---	---	---
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1							---	---	55	46	53	46
2							---	---	53	46	52	46
3							---	---	53	46	53	46
4							---	---	54	46	49	46
5							---	---	53	46	49	46
6							---	---	53	47	50	46
7							---	---	54	47	54	46
8							---	---	53	47	55	46
9							---	---	53	47	55	46
10							---	---	53	47	56	46
11							---	---	48	47	55	46
12							---	---	55	46	53	47
13							---	---	53	47	54	46
14							---	---	53	46	54	46
15							---	---	53	46	54	46
16							---	---	53	47	54	47
17							---	---	53	46	49	46
18							---	---	54	46	52	45
19							---	---	54	47	51	46
20							---	---	54	47	52	46
21							---	---	54	48	53	47
22							---	---	56	46	54	46
23							---	---	54	45	54	46
24							---	---	53	46	53	46
25							---	---	53	47	53	46
26							---	---	---	---	53	46
27							---	---	53	47	52	46
28							---	---	53	45	53	45
29							55	45	53	45	47	47
30							55	47	53	46	---	---
31							55	47	53	45	---	---

07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1			---	---			---	---	11.0	9.5	16.0	13.0
2			---	---			---	---	9.5	8.5	12.5	10.5
3			---	---			---	---	10.0	8.5	11.0	9.5
4			---	---			---	---	11.0	9.0	11.5	10.5
5			---	---			---	---	11.0	9.5	15.0	11.5
6			---	---			---	---	12.0	10.5	15.0	14.0
7			---	---			---	---	11.5	10.0	16.5	14.5
8			---	---			---	---	12.0	10.0	18.5	16.5
9			---	---			---	---	11.5	10.5	18.5	18.0
10			---	---			---	---	10.5	9.0	19.5	18.5
11			---	---			---	---			19.5	18.5
12			---	---			---	---			19.5	18.5
13			---	---			---	---			20.5	19.0
14			---	---			---	---			18.5	17.5
15			14.5	14.0			15.0	14.0	---	---	18.5	16.5
16			15.0	12.5			15.5	15.0	---	---	18.0	17.0
17			15.0	13.0			16.0	15.5	---	---	18.0	17.0
18			15.5	13.5			15.5	15.5	---	---	17.0	16.0
19			17.0	14.5			15.5	15.0	---	---	16.0	15.0
20			18.0	16.0			15.5	15.0	---	---	16.5	15.0
21			---	---			16.0	15.5	---	---	17.0	16.5
22			---	---			16.0	15.0	---	---	16.5	16.0
23			---	---			15.0	13.0	---	---	16.5	16.0
24			---	---			13.0	12.0	---	---	18.0	16.5
25			---	---			12.5	12.0	---	---	18.0	16.5
26			---	---			13.5	12.5	---	---	17.0	15.5
27			---	---			14.0	13.0	---	---	15.5	15.5
28			---	---			13.0	12.5	16.0	13.5	16.5	15.5
29			---	---			13.0	12.0	17.0	15.0	16.5	16.5
30			---	---			14.5	12.5	---	---	16.5	16.0
31			---	---			14.0	11.5	---	---	16.5	16.5
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	17.0	16.5	21.0	19.0	26.0	24.0	31.0	28.5	28.5	26.5	28.0	25.0
2	17.0	16.5	22.0	20.5	26.0	24.5	30.5	29.0	27.5	25.0	27.0	26.0
3	17.5	17.0	22.5	21.0	26.5	24.5	30.5	28.0	27.0	25.5	27.5	25.5
4	18.0	17.5	22.5	21.0	27.0	25.0	30.5	28.0	28.0	25.5	27.0	25.5
5	18.0	17.5	22.5	20.5	28.0	25.0	31.0	28.5	29.0	26.0	25.5	24.5
6	19.0	17.5	23.5	21.0	28.0	26.0	31.5	28.5	29.0	27.0	25.0	24.0
7	18.5	18.5	23.0	22.0	28.5	26.0	31.0	29.0	30.0	27.5	27.5	24.5
8	20.0	18.5	23.0	21.5	28.5	26.5	30.5	28.0	29.0	28.0	28.5	26.0
9	19.5	19.0	24.0	21.5	27.5	26.0	30.5	28.5	30.0	27.5	28.5	26.5
10	19.5	18.5	23.5	21.5	26.5	24.0	28.5	28.0	30.0	28.0	28.0	26.5
11	19.5	18.5	---	---	27.0	24.0	---	---	29.0	28.0	28.5	25.5
12	19.5	18.0	---	---	27.0	24.5	---	---	30.0	27.0	27.5	26.0
13	18.0	16.5	---	---	27.0	24.5	---	---	29.0	28.0	27.0	25.0
14	16.5	15.5	---	---	27.5	25.0	---	---	28.5	27.0	27.5	25.5
15	15.5	15.5	---	---	28.0	25.5	---	---	29.5	26.5	28.0	25.5
16	16.5	15.5	23.0	20.0	28.0	25.5	---	---	29.0	27.5	27.5	25.5
17	17.5	16.5	21.0	20.0	28.0	26.0	---	---	29.0	27.0	26.5	24.5
18	17.5	16.5	21.0	20.5	28.5	26.5	---	---	29.0	27.0	25.0	23.5
19	17.5	16.0	21.0	21.0	28.0	27.0	---	---	29.5	27.0	25.5	23.5
20	18.0	17.5	21.0	20.0	27.0	26.0	---	---	29.5	27.5	26.0	24.5
21	20.0	18.0	21.0	21.0	27.5	25.0	---	---	29.5	28.0	27.0	24.5
22	21.0	19.0	22.0	21.0	27.0	26.0	---	---	29.0	27.0	27.5	25.0
23	22.0	20.0	22.5	22.0	26.0	24.5	---	---	29.0	26.5	27.5	25.5
24	22.0	20.0	23.0	22.5	26.0	24.5	---	---	27.5	26.0	27.5	25.5
25	21.5	20.5	23.5	22.5	27.0	25.0	---	---	28.0	26.0	27.0	25.5
26	21.0	20.0	25.0	23.0	29.0	26.5	---	---	---	---	27.0	25.0
27	20.0	19.5	25.5	24.0	29.5	27.5	---	---	27.0	24.5	25.5	24.0
28	---	---	26.0	24.0	30.0	27.5	27.0	25.5	27.0	25.0	26.0	23.5
29	19.5	18.0	26.0	24.0	30.0	28.0	28.0	25.0	27.0	24.5	25.0	24.5
30	20.0	19.0	26.0	24.0	30.5	28.0	29.5	26.5	27.0	25.0	---	---
31	---	---	26.0	24.0	---	---	29.5	27.5	28.0	25.5	---	---

MISSISSIPPI RIVER DELTA

07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980

DATE TIME	NOV 8,79 1015	MAR 12,80 1515	MAY 14,80 1600	JUN 6,80 1415	JUL 2,80 1015
TOTAL CELLS/ML	580	2700	1500	2000	6800
DIVERSITY: DIVISION	0.6	0.8	1.4	1.3	1.3
...CLASS	0.6	0.8	1.4	1.3	1.3
...ORDER	0.6	1.1	2.2	2.1	2.2
...FAMILY	0.7	2.0	2.7	2.7	2.6
...GENUS	0.7	3.1	3.2	3.7	3.3

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
..CHLOROPHYCEAE										
...CHLOROCOCCALES										
...MICRACITINACEAE										
...GOLENKINIA	--	-	24	1	--	-	13	1	--	-
...OOCYSTACEAE										
...ANKISTRODESUS	--	-	170	6	39	3	77	4	650	10
...CHLORELLA	--	-	570#	21	--	-	39	2	--	-
...CHODATELLA	--	-	--	-	26	2	--	-	*	0
...CLOSTERIOPSIS	--	-	--	-	13	1	--	-	--	-
...DICTYOSPHAERIUM	--	-	170	6	52	4	51	3	100	2
...KIRCHNERIELLA	--	-	130	5	--	-	--	-	230	3
...OOCYSTIS	--	-	--	-	--	-	13	1	*	0
...SELENASTRUM	--	-	--	-	13	1	77	4	--	-
...TETRAEDRON	--	-	--	-	--	-	--	-	52	1
...TREURARIA	--	-	--	-	--	-	13	1	--	-
...WFSTELLA	--	-	--	-	--	-	210	10	--	-
...SCENEDESMACEAE										
...ACTINASTRUM	--	-	--	-	--	-	100	5	--	-
...CRUCIGENIA	--	-	47	2	130	9	51	3	210	3
...SCENEDESMUS	--	-	590#	22	410#	28	310#	15	1200#	18
...TETRASTRUM	--	-	280	10	--	-	51	3	--	-
...VOLVOCALES										
...CHLAMYDOMONADACEAE										
...CHLAMYDOMONAS	--	-	24	1	180	12	240	12	860	13
...PHACOTACEAE										
...PTEROMONAS	--	-	--	-	--	-	--	-	*	0
...POLYBLEPHARIDACEAE										
...SPERMATOZOOPSIS	--	-	--	-	--	-	--	-	*	0
CHRYSOPHYTA										
..BACILLARIOPHYCEAE										
...CENTRALES										
...COSCINODISCAEAE										
...CYCLOTELLA	--	-	94	3	13	1	64	3	100	2
...MELOSIRA	--	-	470#	17	26	2	39	2	--	-
...PENNALES										
...CYMBELLACEAE										
...CYMBELLA	--	-	--	-	13	1	--	-	--	-
...FRAGILARIACEAE										
...SYNEDRA	13	2	47	2	39	3	39	2	--	-
...GOMPHONEMATACEAE										
...GOMPHONEMA	--	-	35	1	13	1	--	-	--	-
...NAVICULACEAE										
...NAVICULA	13	2	--	-	--	-	13	1	--	-
...PINNULARIA	--	-	--	-	--	-	--	-	*	0
...NITZSCHACEAE										
...NITZSCHIA	26	4	83	3	210	14	64	3	100	2
...XANTHOPHYCEAE										
...HETEROCOCCALES										
...CENTRITRACTACEAE										
...CENTRITRACTUS	--	-	--	-	--	-	--	-	52	1
CRYPTOPHYTA (CRYPTOMONADS)										
..CRYPTOPHYCEAE										
...CRYPTOMONADALES										
...CRYPTOMONADACEAE										
...CRYPTOMONAS	--	-	--	-	13	1	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980

DATE TIME	NOV 8,79 1015		MAR 12,80 1515		MAY 14,80 1600		JUN 6,80 1415		JUL 2,80 1015	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)										
..CYANOPHYCEAE										
...CHROOCOCCALES										
...CHROOCOCCACEAE										
....AGMENELLUM	--	-	--	-	--	-	--	-	830	12
....AMACYSTIS	--	-	--	-	90	6	320#	16	1300#	18
...HORAKOSONALES										
...OSCILLATORIACEAE										
....OSCILLATORIA	520#	19	--	-	180	12	260	13	940	14
EUGLENOPHYTA (EUGLENIDS)										
..EUGLENOPHYCEAE										
...EUGLENALES										
...EUGLENACEAE										
....EUGLENA	13	2	--	-	--	-	--	-	*	0
PYRRHOPHYTA (FIRE ALGAE)										
..DINOPHYCEAE										
...PERIDINIALES										
...GLENODINIACEAE										
....GLENODINIUM	--	-	--	-	--	-	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

301002089441300 RIGOLETS NEAR LAKE PONTCHARTRAIN, NEAR SLIDELL, LA (CE 85700)

LOCATION.--Lat 30°10'02", long 89°44'13", T.10 S., R.15 E., Orleans Parish, Hydrologic Unit 08090203, at U.S. Highway 90 crossing, 6.4 mi (10.3 km) southeast of Slidell.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--

WATER TEMPERATURES: October 1976 to current year.

CHLORIDE: October 1974 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum daily, 34.5°C Aug. 5, 1978; minimum daily, 3.5°C Jan. 19, 1978.

CHLORIDE: Maximum daily, 14,000 mg/L Sep. 1, 1977; minimum daily, 150 mg/L May 30, 31, June 1, 2, 3, 1980.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 33.0°C Oct. 1, 2; minimum daily, 9.0°C Dec. 18, Feb. 7, 11, 13.

CHLORIDE: Maximum daily, 9,300 mg/L Sep. 4; minimum daily, 150 mg/L May 30, 31, June 1, 2, 3.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	33.0	24.0	12.0	---	11.0	---	17.0	21.0	27.0	---	29.0	29.0
2	33.0	18.0	13.0	---	10.0	---	18.0	22.0	27.0	---	29.0	29.0
3	27.0	17.0	11.0	---	11.0	---	18.0	21.0	27.0	---	29.0	29.0
4	27.0	17.0	10.0	---	9.5	---	18.0	22.0	27.0	---	29.0	29.0
5	27.0	18.0	10.0	---	10.0	11.0	17.0	23.0	28.0	---	29.0	29.0
6	27.0	17.0	13.0	---	10.0	11.5	18.0	23.0	28.0	---	29.0	29.0
7	27.0	17.0	11.0	---	9.0	13.5	19.0	23.0	28.0	---	29.0	29.0
8	27.0	20.0	12.0	---	10.0	14.5	19.5	24.0	28.0	---	29.0	29.0
9	27.0	20.0	16.0	13.5	10.0	15.5	18.0	22.0	28.0	31.0	29.0	28.0
10	25.0	16.0	17.0	14.5	11.0	16.5	18.0	24.0	27.0	31.0	29.0	28.0
11	25.0	16.0	12.0	16.0	9.0	18.0	19.0	24.0	27.0	31.0	29.0	28.0
12	25.0	14.0	14.5	15.5	11.0	19.0	15.5	24.0	27.0	31.0	29.0	28.0
13	25.0	16.0	14.5	13.5	9.0	18.0	17.0	24.0	27.0	31.0	29.0	28.0
14	25.0	---	13.5	14.5	11.0	15.0	16.0	25.0	27.0	31.0	29.0	28.0
15	25.0	---	14.5	14.5	11.0	17.0	---	25.0	28.0	31.0	29.0	28.0
16	25.0	---	13.5	16.5	12.0	18.0	---	25.0	28.0	31.0	29.0	28.0
17	26.0	---	11.0	17.0	9.5	19.0	---	24.0	28.0	31.0	29.0	29.0
18	26.0	---	9.0	15.5	12.0	16.0	---	24.0	28.0	31.0	29.0	29.0
19	26.0	---	10.0	16.0	14.5	17.0	---	23.0	29.0	31.0	29.0	29.0
20	26.0	---	12.0	15.5	16.5	17.0	---	23.0	28.0	31.0	30.0	29.0
21	26.0	---	12.0	16.5	---	16.0	---	25.0	28.0	31.0	30.0	29.0
22	26.0	---	11.0	16.5	---	17.0	---	24.0	28.0	31.0	30.0	29.0
23	26.0	---	11.0	14.0	---	18.0	---	24.0	28.0	29.0	30.0	29.0
24	26.0	---	12.0	13.5	---	18.0	---	24.0	28.0	29.0	30.0	29.0
25	26.0	---	12.0	15.5	---	16.0	---	26.0	---	29.0	30.0	29.0
26	26.0	---	11.0	15.0	---	17.0	---	27.0	---	29.0	30.0	29.0
27	26.0	---	11.0	14.5	---	17.0	---	27.0	---	29.0	30.0	29.0
28	26.0	12.0	12.0	13.5	---	18.0	---	27.0	---	29.0	30.0	29.0
29	26.0	12.0	12.0	14.5	---	17.0	19.0	27.0	---	29.0	30.0	29.0
30	26.0	12.0	12.0	15.5	---	18.0	22.0	26.0	---	29.0	30.0	29.0
31	26.0	---	12.0	14.5	---	17.0	---	27.0	---	29.0	30.0	---

301002089441300 RIGOLETS NEAR LAKE PONTCHARTRAIN, NEAR SLIDELL, LA (CE 85700)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1400	6800	1700	1200	1100	---	1000	200	150	---	2800	4600
2	1400	---	1700	1600	1400	---	700	700	150	---	2600	4700
3	1100	3400	1700	800	1400	---	350	650	150	---	2100	5300
4	1100	3500	1600	900	1400	---	350	650	170	---	2000	9300
5	1200	6700	1400	800	600	1300	600	650	500	---	2500	8600
6	1200	6800	2100	900	1500	900	600	450	600	---	3600	3000
7	1100	3000	2200	600	1900	1300	600	---	700	---	4900	2800
8	1100	3000	1500	700	700	1300	350	450	650	---	6100	3200
9	1100	6400	1500	800	1200	1300	1200	550	650	2900	6100	2600
10	3000	3000	1500	700	1200	1300	1200	500	500	3800	6100	2900
11	3000	2700	1200	1500	1300	1300	1000	550	550	3800	6100	2700
12	3000	3000	800	1000	---	3000	700	550	500	1900	5300	3600
13	3000	---	1000	1000	500	2500	700	550	550	2000	3500	3700
14	3200	---	1500	1100	450	1500	700	550	900	1900	3300	3300
15	3100	---	1500	1000	500	4700	---	650	700	1600	3000	3600
16	3100	---	1400	800	450	4700	---	1500	700	1900	3000	4200
17	3200	---	1500	800	600	4700	---	750	600	3400	2700	3800
18	3400	---	1900	900	550	2000	---	550	900	4100	2800	3500
19	6300	---	1800	1200	550	1800	---	750	750	4200	2400	4000
20	3300	---	900	1200	550	1900	---	750	700	4200	2300	4700
21	3400	---	700	1200	---	1500	---	650	550	4200	2400	4700
22	6300	---	700	900	---	1000	---	600	500	5700	2500	4800
23	6600	---	700	1500	---	950	---	500	600	5700	6500	4900
24	3700	---	800	1500	---	1000	---	450	500	6500	6600	4900
25	3900	---	900	1500	---	950	---	450	---	6500	5900	5000
26	7500	---	600	1000	---	1200	---	400	---	1900	7000	4700
27	3800	---	900	700	---	1100	---	400	---	1900	6000	5200
28	3900	2300	600	800	---	650	---	300	---	1900	5700	4800
29	3900	2300	---	700	---	950	---	350	---	1500	6000	4900
30	4000	2300	700	800	---	1400	300	150	---	1600	5700	4800
31	7400	---	700	500	---	1400	---	150	---	2100	4700	---

301300089493000 LAKE PONTCHARTRAIN AT NORTH SHORE, NEAR SLIDELL, LA (CE 85685)

LOCATION.--Lat 30°13'00", long 89°49'30", T.9 S., R.14 E., St. Tammany Parish, Hydrologic Unit 08090202, 3.1 mi (5.0 km) southwest of Slidell.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1976 to current year.

CHLORIDE: October 1974 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum daily, 32.0°C July 9, 15, 16, 17, 1980; minimum daily, 3.0°C Jan. 3, 1979.

CHLORIDE: Maximum daily, 7,500 mg/L Aug. 30, 1976; minimum daily, 150 mg/L May 20, 23, 1980.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 32.0°C July 9, 15, 16, 17; minimum daily, 6.0°C Dec. 1, 2, Mar. 3.

CHLORIDE: Maximum daily, 6,400 mg/L Aug. 9, Sep. 1; minimum daily, 150 mg/L May 20, 23.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.0	19.0	6.0	10.0	12.0	15.0	17.0	18.0	27.0	---	28.0	29.0
2	23.0	17.0	6.0	12.0	12.0	7.0	---	21.0	27.0	---	28.0	---
3	23.0	17.0	7.0	12.0	12.0	6.0	---	21.0	28.0	---	28.0	---
4	24.0	18.0	9.0	7.0	12.0	9.0	---	22.0	28.0	---	28.0	29.0
5	22.0	19.0	10.0	8.0	12.0	11.0	---	26.0	28.0	---	28.0	29.0
6	22.0	17.0	12.0	10.0	10.0	12.0	---	23.0	28.0	---	28.0	29.0
7	23.0	16.0	11.0	12.0	9.0	12.0	---	24.0	29.0	---	28.0	29.0
8	24.0	18.5	11.0	12.0	10.0	11.0	---	24.0	29.0	---	28.0	29.0
9	24.0	18.5	11.0	12.0	10.0	11.5	---	23.0	27.0	32.0	28.0	29.0
10	23.0	19.0	12.0	13.0	---	13.0	---	22.0	27.0	31.0	28.0	29.0
11	21.0	17.0	15.0	14.0	9.0	14.0	---	22.0	26.0	29.0	28.0	29.0
12	22.0	17.0	14.0	14.0	11.0	13.0	---	22.0	26.0	29.0	28.0	29.0
13	23.0	17.0	15.0	12.0	9.5	13.0	---	24.0	26.0	30.0	28.0	28.0
14	21.0	12.0	15.0	13.0	11.0	12.0	---	25.0	27.0	31.0	28.0	28.0
15	19.0	13.0	13.0	15.0	11.0	12.0	---	24.0	28.0	32.0	28.0	28.0
16	20.0	13.0	13.0	15.0	12.0	12.0	---	24.0	28.0	32.0	28.0	28.0
17	22.0	13.0	7.0	15.0	9.5	13.0	---	23.0	28.0	32.0	28.0	28.0
18	23.0	16.0	7.0	14.0	12.0	12.0	---	23.0	28.0	30.0	28.0	28.0
19	24.0	18.0	7.0	15.0	14.5	15.0	---	22.0	29.0	30.0	28.0	28.0
20	25.0	17.0	10.0	15.0	17.0	17.0	---	22.0	28.0	30.0	30.0	28.0
21	24.0	18.0	12.0	15.0	13.0	16.0	---	23.0	27.0	29.0	29.0	28.0
22	23.0	19.0	14.0	15.0	14.5	14.0	---	24.0	27.0	29.0	29.0	28.0
23	21.0	17.0	14.0	15.0	15.0	13.0	---	24.0	28.0	28.0	28.0	28.0
24	18.0	16.0	14.0	15.0	17.0	12.0	---	24.0	27.0	28.0	28.0	28.0
25	18.0	14.0	14.0	13.0	14.5	11.0	---	26.0	---	28.0	28.0	29.0
26	19.0	15.0	12.0	13.0	11.5	13.0	---	27.0	---	28.0	28.0	29.0
27	19.0	16.0	11.0	13.0	11.5	15.0	---	26.0	---	28.0	28.0	29.0
28	20.0	16.0	12.0	12.0	12.0	15.5	---	26.0	---	28.0	28.0	29.0
29	22.0	7.0	11.0	12.0	14.5	15.5	---	27.0	---	28.0	28.0	29.0
30	22.0	9.0	11.0	12.0	---	16.0	---	27.0	---	28.0	28.0	29.0
31	22.0	---	11.0	12.0	---	17.0	---	27.0	---	28.0	28.0	---

501300089495000 LAKE PONTCHARTRAIN AT NORTH SHORE, NEAR SLIDELL, LA (CE 85685)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1400	3700	2100	1700	1200	1100	500	350	400	---	1600	6400
2	1400	4200	2200	1600	1200	1300	---	350	350	---	1600	---
3	1400	2800	2100	1800	1200	1300	---	300	300	---	1400	---
4	1700	2600	2000	1800	1100	1200	---	300	350	---	1300	4500
5	1700	2700	1800	1800	1300	950	---	350	350	---	1600	4400
6	1300	2700	1700	1800	1400	1100	---	350	350	---	2000	4100
7	1300	2500	1700	1200	1400	1000	---	350	350	---	6000	3000
8	1200	2200	1700	1200	1200	900	---	350	400	---	---	3600
9	1300	2400	1700	1100	700	950	---	300	300	2100	6400	3100
10	---	2500	1800	1100	---	1000	---	400	500	2200	4000	3400
11	1200	2500	1800	600	1000	1000	---	450	650	1900	4000	3400
12	1800	2400	1800	850	1100	1300	---	500	600	1500	3900	3100
13	1700	2200	1600	950	1200	1100	---	500	550	1300	3700	3000
14	1500	2200	1600	1000	900	1100	---	500	550	1000	3100	3100
15	1600	2000	1900	900	950	1100	---	500	550	1000	3000	3000
16	---	2100	2000	1100	950	1600	---	500	600	1400	2400	3200
17	2700	2100	1500	1200	1200	---	---	500	500	1900	2400	3200
18	2600	2100	1600	1200	1200	950	---	250	600	1900	2400	3200
19	2600	2200	1800	1400	1100	1400	---	250	500	3400	2300	3800
20	2700	2100	1800	850	1100	1500	---	150	500	3500	2100	3800
21	2000	2800	1900	1300	1300	1100	---	250	550	4400	---	4000
22	2700	2800	1100	1300	1100	1000	---	250	450	5100	2100	3900
23	3000	2900	1100	1000	1000	1300	---	150	450	4900	2600	4000
24	2900	2800	1200	650	800	1300	---	200	400	5300	2600	3600
25	2900	2700	1600	1200	950	1200	---	200	---	3200	5800	3800
26	2800	2200	1500	1200	800	1400	---	200	---	3300	5600	3800
27	2800	2300	1600	1200	1000	1400	---	250	---	3000	4300	3900
28	2900	2000	1700	1300	850	950	---	250	---	2500	---	3800
29	2900	1800	1600	1300	1300	550	---	350	---	1500	---	3300
30	2700	1600	1600	1300	---	500	---	300	---	1500	---	3300
31	4300	---	1700	1200	---	500	---	400	---	1400	3700	---

301500089572000 LAKE PONTCHARTRAIN AT MOUTH OF BAYOU LACOMBE, NEAR LACOMBE, LA (CE 05007)

LOCATION.--Lat 30°15'00", long 89°57'20", T.9 S., R.12 E., St. Tammany Parish, Hydrologic Unit 08090202, 4.3 mi (6.9 km) southwest of Lacombe.

DRAINAGE AREA.--Indeterminate.

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

(CO)OPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPF- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM COALT UNITS)	TUR- BID- ITY (JTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)	COLI- FORM, FECAL, 0.7 UM-HF (COLS./ 100 ML)	HARD- NESS (MG/L AS CAC03)
OCT												
25...	1110	6440	7.5	10	2	<1.0	8.9	64	.6	K12	K2	690
NOV												
19...	1125	3170	6.6	15	5	<1.0	10.0	120	1.0	<4	<2	360
DEC												
05...	1125	5780	6.8	0	5	<1.0	10.8	130	--	100	K5	610
JAN												
21...	1110	5290	7.7	10	2	<1.0	10.2	350	.7	K20	K12	570
FEB												
27...	1000	5380	8.0	5	7	<1.0	10.9	77	1.2	K12	K2	610
MAR												
24...	1040	4170	7.6	10	15	<1.0	10.1	52	--	160	56	460
APR												
29...	0935	338	6.9	80	70	<1.0	8.7	39	.9	K20	K15	39
MAY												
19...	1047	477	6.0	50	10	<1.0	7.6	48	1.8	1100	500	46
JUN												
23...	1045	872	6.1	50	30	<1.0	6.3	35	3.8	K20	K2	83
JUL												
14...	1158	996	7.3	20	20	<1.0	7.2	20	1.9	<4	<2	100
AUG												
19...	1048	5150	7.5	5	4	<1.0	7.9	61	.4	K100	K20	560
SEP												
02...	1100	9990	7.7	10	3	<1.0	7.6	55	1.5	<4	<2	1100
DATE	HARD- NESS, NONCAR- BONATE (MG/L AS CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LITY (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)
OCT												
25...	640	60	130	1100	92	18	47	59	0	48	270	2000
NOV												
19...	320	31	69	500	73	11	28	50	0	41	150	900
DEC												
05...	570	47	120	980	76	17	44	50	0	41	280	1800
JAN												
21...	520	45	110	910	76	17	37	60	0	49	220	1600
FEB												
27...	550	45	120	870	74	15	37	66	0	54	240	1600
MAR												
24...	420	37	90	700	75	14	29	50	0	41	180	1300
APR												
29...	25	5.2	6.3	50	72	3.5	3.3	17	0	14	18	86
MAY												
19...	40	4.6	8.4	72	76	4.6	3.5	7	0	6	22	120
JUN												
23...	65	8.6	15	130	75	6.2	7.5	22	0	18	39	230
JUL												
14...	77	10	19	160	75	6.9	9.5	32	0	26	53	280
AUG												
19...	520	41	110	890	76	16	39	42	0	34	220	1600
SEP												
02...	1100	76	220	1800	77	24	71	51	0	170	430	3400

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

301500089572000 LAKE PONTCHARTRAIN AT MOUTH OF BAYOU LACOMBE, NEAR LACOMBE, LA (CE 05007)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C. SUS- PENDE (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDE RECOV. (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)
OCT 25...	0	.00	.01	.01	.11	.020	1	0	1	0	0	0
NOV 19...	6	.02	.02	.04	.67	.030	1	1	0	0	0	0
DEC 05...	8	.06	.02	.08	.88	.030	1	0	1	0	0	0
JAN 21...	4	.00	.00	.00	.47	.030	1	0	1	0	0	0
FEB 27...	11	.02	.01	.03	.75	.040	1	0	1	0	0	0
MAR 24...	32	.01	.01	.02	.81	.060	0	0	0	0	0	0
APR 29...	178	.27	.04	.31	.72	.180	3	3	0	0	--	<1
MAY 19...	14	.08	.01	.09	1.2	.030	1	0	1	0	--	<1
JUN 23...	39	.00	.01	.01	.97	.120	1	0	1	0	--	<1
JUL 14...	40	.00	.00	.00	1.0	.070	2	1	1	0	--	<1
AUG 19...	16	.00	.00	.00	1.0	.020	1	0	1	0	0	0
SEP 02...	0	.00	.00	.00	.59	.030	1	0	1	0	0	0

DATE	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 25...	0	0	0	0	0	0	0	0	10	2	2	0
NOV 19...	0	--	1	0	0	4	3	1	0	1	1	0
DEC 05...	0	--	1	0	0	5	1	4	30	2	0	2
JAN 21...	1	1	0	10	0	7	6	1	30	1	0	1
FEB 27...	0	0	0	0	0	6	6	0	30	9	9	0
MAR 24...	0	0	0	0	1	4	2	2	20	3	3	0
APR 29...	0	--	<1	0	0	8	4	4	70	8	7	1
MAY 19...	0	0	0	0	0	4	3	1	230	4	4	0
JUN 23...	1	0	1	0	0	7	5	2	80	3	3	0
JUL 14...	0	--	1	0	0	8	5	3	20	34	34	0
AUG 19...	0	--	1	20	0	5	4	1	30	0	0	0
SEP 02...	1	1	0	10	0	35	34	1	20	3	1	2

< Actual value is known to be less than the value shown.

301500089572000 LAKE PONTCHARTRAIN AT MOUTH OF BAYOU LACOMBE, NEAR LACOMBE, LA (CE 05007)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE D RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE D RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE D TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE D RECOV- ERABLE (UG/L AS ZN)
OCT 25...	.0	.0	.0	3	3	0	0	0	0	--	30	20
NOV 19...	.0	.0	.0	2	--	3	0	0	0	--	10	0
DEC 05...	.0	.0	.0	2	--	3	0	0	0	--	10	10
JAN 21...	.0	.0	.0	2	--	6	0	0	0	--	20	0
FEB 27...	.0	.0	.0	6	6	0	0	0	0	--	50	40
MAR 24...	.0	--	.2	3	2	1	0	0	0	--	20	0
APR 29...	.1	.1	.0	10	7	3	0	0	0	1.0	40	40
MAY 19...	.1	.1	.0	8	6	2	0	0	0	--	20	0
JUN 23...	.0	.0	.0	7	2	5	0	0	0	--	40	40
JUL 14...	.1	.1	.0	4	2	2	0	0	0	--	30	30
AUG 19...	.1	.1	.0	2	0	2	0	0	0	--	30	20
SEP 02...	.1	--	.2	6	0	6	0	0	0	--	50	30

DATE	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV- GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 25...	10	7.2	.00	2	0	.0	.00	.000	.0	.000	.000	.000
NOV 19...	10	8.9	.00	0	0	.0	.00	.000	.0	.000	.000	.000
DEC 05...	0	5.1	.00	3	0	.0	.00	.000	.0	.000	.000	.000
JAN 21...	20	6.2	.00	5	--	.0	.00	.000	.0	.000	.000	.000
FEB 27...	10	4.9	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAR 24...	20	8.9	.00	0	0	.0	.00	.000	.0	.000	.000	.000
APR 29...	<3	14	.00	0	2	.0	.00	.000	.0	.000	.000	.000
MAY 19...	20	12	.00	4	0	.0	.00	.000	.0	.000	.000	.000
JUN 23...	<3	11	.00	3	0	.0	.00	.000	.0	.000	.000	.000
JUL 14...	3	7.7	.00	1	0	.0	.00	.000	.0	.000	.000	.000
AUG 19...	10	6.0	.00	1	0	.0	.00	.000	.0	.000	.000	.000
SEP 02...	20	5.0	.00	2	0	.0	.00	.000	.0	.000	.000	.000

< Actual value is known to be less than the value shown.

301500089572000 LAKE PONTCHARTRAIN AT MOUTH OF BAYOU LACOMBE, NEAR LACOMBE, LA (CE 05007)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI- AZINON, TOTAL (UG/L)	DI- ELDORIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
OCT											
25...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV											
19...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC											
05...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN											
21...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB											
27...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR											
24...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR											
29...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY											
19...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN											
23...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL											
14...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG											
19...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP											
02...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT											
25...	.00	.00	.00	.00	.0	.00	.02	.00	.00	--	--
NOV											
19...	.00	.00	.00	.00	.0	.00	.01	.00	.00	.930	.000
DEC											
05...	.00	.00	.00	.00	.0	.00	.03	.00	.00	1.40	.000
JAN											
21...	.00	.00	.00	.00	.0	.00	.02	.00	.00	5.64	.000
FEB											
27...	.00	.00	.00	.00	.0	.00	.02	.00	.00	3.90	.000
MAR											
24...	.00	.00	.00	.00	.0	.00	.03	.00	.00	31.4	.000
APR											
29...	.00	.00	.00	.00	.0	.00	.02	.00	.00	1.56	.000
MAY											
19...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.49	.000
JUN											
23...	.00	.00	.00	.00	.0	.00	.01	.00	.00	12.2	.000
JUL											
14...	.00	.00	.00	.00	.0	.00	.02	.00	.00	14.4	.000
AUG											
19...	.00	.00	.00	.00	.0	.00	.01	.00	.00	3.11	.000
SEP											
02...	.00	.00	.00	.00	.0	.00	--	--	--	3.53	.000

302150090102000 LAKE PONTCHARTRAIN AT MOUTH OF TCHIFUNCTA RIVER, NEAR MADISONVILLE, LA (CE 85614)

LOCATION.--Lat 30°21'50", long 90°10'20", T.8 S., R.10 E., St. Tammany Parish, Hydrologic Unit 08090202, 3.2 mi (5.1 km) south of Madisonville.

DRAINAGE AREA.--Indeterminate.

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

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM COBALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE, PER 100 ML	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)
OCT 25...	1100	2440	7.8	20	2	<1.0	8.5	38	.6	<4	<2	280
NOV 19...	1110	1890	6.6	20	5	<1.0	10.7	42	1.4	<4	<2	190
DEC 05...	1100	1990	7.0	5	7	<1.0	11.4	26	.1	K25	K5	210
JAN 21...	1040	295	6.1	100	100	<1.0	6.9	76	1.0	K1900	780	33
FEB 27...	0940	5050	7.8	5	5	<1.0	10.4	270	.5	<4	<2	540
MAR 24...	1020	135	5.9	70	10	<1.0	7.5	44	--	250	110	18
APR 29...	0910	56	6.4	70	30	<1.0	8.2	24	.8	K45	K35	13
MAY 19...	1021	107	6.2	60	25	<1.0	7.2	35	1.6	1200	580	16
JUN 23...	1025	733	6.3	40	35	<1.0	--	36	2.9	K20	K2	74
JUL 14...	1123	813	7.4	30	30	<1.0	7.0	17	.9	<4	K4	96
AUG 19...	1012	973	7.2	30	5	<1.0	7.2	27	.0	K40	K20	100
SEP 02...	1040	2630	7.2	10	10	<1.0	7.8	24	.3	<4	<2	270

DATE	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM, DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
OCT 25...	240	30	50	390	90	10	19	55	0	45	110	680
NOV 19...	150	19	35	280	90	8.8	16	46	0	38	91	510
DEC 05...	170	21	38	300	91	9.0	10	47	0	39	88	520
JAN 21...	26	4.2	5.4	45	73	3.4	3.1	8	0	7	1.5	74
FEB 27...	490	42	100	850	76	16	34	62	0	51	210	1600
MAR 24...	12	2.7	2.7	20	68	2.1	2.2	7	0	6	13	33
APR 29...	3	2.8	1.4	5.8	46	.7	1.5	12	0	10	4.0	7.0
MAY 19...	7	2.6	2.2	14	63	1.5	1.7	10	0	8	5.7	21
JUN 23...	56	8.2	13	110	74	5.6	6.5	22	0	18	32	200
JUL 14...	65	12	16	130	73	5.8	8.1	38	0	31	48	230
AUG 19...	75	11	18	150	74	6.5	8.4	33	0	27	42	270
SEP 02...	240	25	50	410	72	11	62	40	0	33	110	800

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

302150090102000 LAKE PONTCHARTRAIN AT MOUTH OF TCHOFUNTA RIVER, NEAR MADISONVILLE, LA (CE 85614)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C. SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)
OCT 25...	15	.00	.02	.02	.62	.050	1	0	1	0	0	0
NOV 19...	0	.06	.02	.08	.73	.020	1	1	0	0	--	<1
DEC 05...	12	.10	.01	.11	1.1	.030	1	0	1	0	--	<1
JAN 21...	4	.11	.01	.12	.84	.090	1	0	1	0	--	<1
FEB 27...	8	.02	.01	.03	.38	.040	0	--	1	0	0	0
MAR 24...	11	.14	.04	.18	.78	.090	0	0	0	0	--	<1
APR 29...	37	.72	.01	.73	.49	.130	1	1	0	0	--	<1
MAY 19...	23	.17	.01	.18	.97	.090	1	0	1	0	--	<1
JUN 23...	34	.05	.03	.08	1.1	.090	1	0	1	0	--	<1
JUL 14...	109	.00	.00	.00	1.0	.080	2	1	1	0	--	<1
AUG 19...	1	.00	.00	.00	1.2	.040	1	0	1	0	--	<1
SEP 02...	0	.01	.00	.01	.71	.050	1	0	1	0	0	0
DATE	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 25...	0	0	0	0	0	0	0	0	10	4	3	1
NOV 19...	0	--	<1	0	0	0	0	0	10	0	0	0
DEC 05...	0	--	<1	0	0	6	--	8	20	5	2	3
JAN 21...	1	0	1	0	0	6	4	2	390	3	1	2
FEB 27...	0	0	0	20	0	35	35	0	30	100	100	0
MAR 24...	0	--	<1	20	1	4	0	4	250	4	4	0
APR 29...	0	--	<1	0	0	7	4	3	130	6	5	1
MAY 19...	0	0	0	0	0	6	4	2	160	9	8	1
JUN 23...	0	--	<1	10	0	6	4	2	90	3	3	0
JUL 14...	0	--	<1	20	0	7	4	3	10	8	8	0
AUG 19...	0	--	<1	0	0	5	4	1	130	3	3	0
SEP 02...	1	1	0	0	0	5	5	0	10	10	10	0

< Actual value is known to be less than the value shown.

302150090102000 LAKE PONTCHARTRAIN AT MOUTH OF TCHEFUNCTA RIVER, NEAR MADISONVILLE, LA (CE 85614)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)
OCT 25...	.0	.0	.0	4	4	0	0	0	0	--	0	0
NOV 19...	.0	.0	.0	1	1	0	0	0	0	--	10	7
DEC 05...	.0	.0	.0	7	6	1	0	0	0	--	20	10
JAN 21...	.0	.0	.0	2	1	1	0	0	0	1.0	30	10
FEB 27...	.0	.0	.0	10	10	0	0	0	0	--	40	40
MAR 24...	.0	.0	.0	2	0	2	0	0	0	1.0	20	10
APR 29...	.1	.1	.0	10	7	3	0	0	0	1.0	10	10
MAY 19...	.0	.0	.0	15	12	3	0	0	0	1.0	20	20
JUN 23...	.1	.1	.0	5	--	6	0	0	0	--	20	20
JUL 14...	.1	.1	.0	4	4	0	0	0	0	--	50	50
AUG 19...	.0	.0	.0	2	0	2	0	0	0	--	20	20
SEP 02...	.1	.1	.0	6	4	2	0	0	0	--	60	50

DATE	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 25...	0	6.5	.00	3	1	.0	.00	.000	.0	.000	.000	.000
NOV 19...	3	8.0	.00	1	0	.0	.00	.000	.0	.000	.000	.000
DEC 05...	10	5.6	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JAN 21...	20	15	.00	9	--	.0	.00	.000	.0	.000	.000	.000
FEB 27...	0	5.8	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAR 24...	10	15	.00	2	0	.0	.00	.000	.0	.000	.000	.000
APR 29...	<3	11	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAY 19...	<3	9.7	.00	2	0	.0	.00	.000	.0	.000	.000	.000
JUN 23...	<3	6.2	.00	2	0	.0	.00	.000	.0	.000	.000	.000
JUL 14...	<3	7.0	.00	7	0	.0	.00	.000	.0	.000	.000	.000
AUG 19...	<3	8.7	.00	5	0	.0	--	.000	.0	.000	.000	.000
SEP 02...	10	--	.01	0	0	.0	.00	.000	.0	.000	.000	.000

< Actual value is known to be less than the value shown.

302150090102000 LAKE PONTCHARTRAIN AT MOUTH OF TCHEFUNCTA RIVER, NEAR MADISONVILLE, LA (CE 85614)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI- AZINON, TOTAL (UG/L)	DI- FLORIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
OCT 25...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV 19...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC 05...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN 21...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB 27...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR 24...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR 29...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY 19...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN 23...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL 14...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG 19...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 02...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 25...	.00	.00	.00	.00	.0	.00	.03	.00	.00	.140	.000
NOV 19...	.00	.00	.00	.00	.0	.00	.01	.00	.00	12.7	28.1
DEC 05...	.00	.00	.00	.00	.0	.00	.00	.00	.00	11.7	.000
JAN 21...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.550	.000
FEB 27...	.00	.00	.00	.00	.0	.00	.02	.00	.00	4.42	.000
MAR 24...	.00	.00	.00	.00	.0	.00	.01	.00	.00	1.95	.000
APR 29...	.00	.00	.00	.00	.0	.00	--	--	--	.840	.000
MAY 19...	.00	.00	.00	.00	.0	.00	.11	.00	.00	4.17	.120
JUN 23...	.00	.00	.00	.00	.0	.00	.06	.00	.00	5.20	.000
JUL 14...	.00	.00	.00	.00	.0	.00	.02	.00	.00	8.44	.000
AUG 19...	.00	.00	.00	--	.0	.00	.01	.00	.00	.500	.000
SEP 02...	.00	.00	.00	.00	.0	.00	.02	.00	.00	5.88	.000

301945090161500 LAKE PONTCHARTRAIN AT MOUTH OF TANGIPAHOA RIVER, NEAR LEE LANDING, LA (CE 85615)

LOCATION.--Lat 30°19'45", long 90°16'15", T.8 S., R.9 E., Tangipahoa Parish, Hydrologic Unit 08090202, 6.8 mi (10.9 km) southeast of Lee Landing.

DRAINAGE AREA.--Indeterminate.

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

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)
OCT 25...	1040	2080	7.7	50	30	<1.0	8.3	34	.8	K12	K4	250
NOV 19...	1105	1390	6.5	40	10	<1.0	10.0	54	1.0	K24	<2	150
DEC 05...	1055	1960	7.1	5	7	<1.0	11.5	27	.7	K35	K10	220
JAN 21...	1035	165	6.0	80	20	<1.0	6.9	63	.7	450	240	21
FEB 27...	0935	1320	7.2	50	25	<1.0	9.7	34	.4	K16	K2	130
MAR 24...	1005	315	6.6	60	40	<1.0	7.7	25	.8	660	K330	34
APR 29...	0855	56	6.5	60	25	<1.0	8.4	23	.6	K50	K25	13
MAY 19...	1010	221	7.2	80	65	<1.0	7.4	27	.7	700	K460	33
JUN 23...	1020	732	5.9	50	45	<1.0	6.7	15	.7	K40	K8	80
JUL 14...	1112	568	7.0	15	5	<1.0	7.2	9	.6	K28	K12	63
AUG 19...	1004	1660	7.2	15	8	<1.0	7.3	21	.5	K140	K100	160
SEP 02...	1035	2730	7.4	10	10	<1.0	7.5	26	.7	K4	<2	280

DATE	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)
OCT 25...	200	28	43	330	89	9.1	16	56	0	46	94	570
NOV 19...	110	17	25	200	88	7.2	13	47	0	39	62	360
DEC 05...	180	22	39	310	91	9.2	8.4	46	0	38	86	530
JAN 21...	13	3.2	3.1	23	67	2.2	3.1	10	0	8	6.1	39
FEB 27...	110	14	24	190	74	7.2	9.8	34	0	28	56	350
MAR 24...	21	4.6	5.4	43	71	3.2	3.9	16	0	13	20	67
APR 29...	3	2.8	1.4	5.5	45	.7	1.6	12	0	10	3.0	12
MAY 19...	15	5.9	4.5	28	62	2.1	2.8	22	0	18	11	44
JUN 23...	61	8.9	14	110	73	5.4	6.9	23	0	19	33	210
JUL 14...	45	7.0	11	89	73	4.9	5.8	22	0	18	26	160
AUG 19...	130	15	30	260	76	8.9	13	32	0	26	71	470
SEP 02...	240	25	52	430	76	11	19	42	0	34	120	800

Actual value is known to be less than the value shown.

Results based on colony count outside the acceptable range (non-ideal count).

301945090161500 LAKE PONTCHARTRAIN AT MOUTH OF TANGIPAHOA RIVER, NEAR LEE LANDING, LA (CE 85615)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS RESIDUE AT 105 DEG. C. SUS- PENDE (MG/L)	NITRO- GEN. NITRATE TOTAL (MG/L AS N)	NITRO- GEN. NITRITE TOTAL (MG/L AS N)	NITRO- GEN. NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS. TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDE RECOV. (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)
OCT 25...	9	.15	.02	.17	.67	.070	1	--	2	0	0	0
NOV 19...	0	.23	.02	.25	.64	.070	1	1	0	0	--	<1
DEC 05...	12	.09	.01	.10	.92	.030	1	0	1	0	--	<1
JAN 21...	20	.20	.01	.21	.74	.120	1	0	1	0	--	<1
FEB 27...	18	.22	.02	.24	.55	.120	1	0	1	0	--	<1
MAR 24...	56	.28	.03	.31	1.3	.150	1	1	0	0	--	<1
APR 29...	37	1.4	.02	1.4	.54	.130	1	0	1	0	--	1
MAY 19...	87	.34	.02	.36	.71	.190	2	1	1	0	--	<1
JUN 23...	37	.05	.03	.08	.84	.090	1	0	1	0	--	<1
JUL 14...	88	.00	.00	.00	.84	.060	1	0	1	0	--	<1
AUG 19...	0	.00	.00	.00	1.3	.040	1	0	1	0	--	<1
SEP 02...	7	.00	.00	.00	1.1	.020	1	1	0	0	0	0

DATE	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 25...	0	0	0	0	0	0	0	0	20	3	1	2
NOV 19...	0	--	<1	0	0	3	2	1	40	0	0	0
DEC 05...	0	--	1	0	0	1	--	4	20	0	0	0
JAN 21...	1	0	1	10	0	7	7	0	420	2	0	2
FEB 27...	0	--	<1	10	0	13	12	1	110	9	9	0
MAR 24...	1	0	1	0	0	26	23	3	160	18	18	0
APR 29...	0	--	<1	0	0	4	1	3	190	5	4	1
MAY 19...	0	0	0	0	0	19	17	2	90	10	10	0
JUN 23...	0	--	<1	10	0	7	4	3	60	5	5	0
JUL 14...	0	--	<1	10	0	7	5	2	120	13	13	0
AUG 19...	0	--	2	0	0	6	4	2	30	4	4	0
SEP 02...	1	1	0	0	0	4	2	2	10	3	2	1

<Actual value is known to be less than the value shown.

301945090161500 LAKE PONTCHARTRAIN AT MOUTH OF TANGIPAHOA RIVER, NEAR LEE LANDING, LA (CE 85615)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE D RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE D RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE D TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE D RECOV- ERABLE (UG/L AS ZN)
OCT 25...	.0	.0	.0	4	4	0	0	0	0	--	--	--
NOV 19...	.0	.0	.0	2	2	0	0	0	0	--	0	--
DEC 05...	.0	.0	.0	4	3	1	0	0	0	--	210	200
JAN 21...	.0	.0	.0	0	--	2	0	0	0	1.0	10	3
FEB 27...	.0	.0	.0	13	13	0	0	0	0	--	20	20
MAR 24...	.0	.0	.0	18	17	1	0	0	0	1.0	40	40
APR 29...	.0	.0	.0	6	2	4	0	0	0	.0	20	20
MAY 19...	.0	.0	.0	59	56	3	0	0	0	.0	80	80
JUN 23...	.2	.2	.0	7	5	2	0	0	0	--	50	50
JUL 14...	.1	.1	.0	5	3	2	0	0	0	--	40	40
AUG 19...	.0	.0	.0	4	1	3	0	0	0	--	20	10
SEP 02...	.0	.0	.0	5	2	3	0	0	0	--	20	10

DATE	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV- GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 25...	10	8.3	.00	3	0	.0	.00	.000	.0	.000	.000	.000
NOV 19...	5	8.6	.00	2	0	.0	.00	.000	.0	.000	.000	.000
DEC 05...	10	5.8	.00	1	0	.0	.00	.000	.0	.000	.000	.000
JAN 21...	7	8.8	.00	6	--	.0	.00	.000	.0	.000	.000	.000
FEB 27...	5	8.3	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAR 24...	3	12	.00	3	1	.0	.00	.000	.0	.000	.000	.000
APR 29...	<3	11	.00	29	7	.0	.00	.000	.0	.000	.000	.000
MAY 19...	<3	9.2	.00	3	0	.0	.00	.000	.0	.000	.000	.000
JUN 23...	<3	6.4	.00	2	2	.0	.00	.000	.0	.000	.000	.000
JUL 14...	<3	4.7	.00	6	0	.0	.00	.000	.0	.000	.000	.000
AUG 19...	6	6.1	.00	0	0	.0	.00	.000	.0	.000	.000	.000
SEP 02...	10	5.3	.00	0	0	.0	.00	.000	.0	.000	.000	.000

< Actual value is known to be less than the value shown.

301945090101500 LAKE PONTCHARTRAIN AT MOUTH OF TANGIPAHOA RIVER, NEAR LEE LANDING, LA (CE 85615)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
OCT 25...	.00	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00
NOV 19...	.01	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00
DEC 05...	.00	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00
JAN 21...	.01	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00
FEB 27...	.01	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00
MAR 24...	.00	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00
APR 29...	.00	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00
MAY 19...	.00	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00
JUN 23...	.00	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00
JUL 14...	.00	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00
AUG 19...	.00	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00
SEP 02...	.00	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 25...	.00	.00	.00	.00	.0	.00	.02	.00	.00	2.26	.0000
NOV 19...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.91	.0000
DEC 05...	.00	.00	.00	.00	.0	.00	.02	.00	.00	11.6	.0000
JAN 21...	.00	.00	.00	.00	.0	.00	.01	.00	.00	1.83	.0000
FEB 27...	.00	.00	.00	.00	.0	.00	.07	.00	.00	2.67	.0000
MAR 24...	.00	.00	.00	.00	.0	.00	.02	.00	.00	5.57	.0000
APR 29...	.00	.00	.00	.00	.0	.00	.04	.00	.00	.750	.0000
MAY 19...	.00	.00	.00	.00	.0	.00	.04	.00	.00	3.00	.0000
JUN 23...	.00	.00	.00	.00	.0	.00	.03	.00	.00	3.28	.0000
JUL 14...	.00	.00	.00	.00	.0	.00	.13	.01	.00	4.11	.0000
AUG 19...	.00	.00	.00	.00	.0	.00	.01	.00	.00	3.76	.0000
SEP 02...	.00	.00	.00	.00	.0	.00	.02	.00	.00	5.17	.0000

301730090180000 LAKE PONTCHARTRAIN AT PASS MANCHAC, NEAR MANCHAC, LA (CE 85403)

LOCATION.--Lat 30°17'30", long 90°18'00", T.9 S., R.9 E., St. John the Baptist Parish, Hydrologic Unit 08090202, 6.1 mi (9.8 km) east of Manchac.

DRAINAGE AREA.--Indeterminante.

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

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLEABILITY (ML/hr)	OXYGEN DEMAND, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)
OCT 25...	1035	2150	7.6	40	15	<1.0	8.3	41	.4	K24	<2	240
NOV 19...	1055	1950	6.6	30	15	<1.0	10.6	50	1.1	K56	<2	210
DEC 05...	1050	2020	7.6	10	25	<1.0	11.0	26	--	<5	K5	--
JAN 21...	1030	728	7.1	60	20	<1.0	9.6	58	.5	220	K26	88
FEB 27...	0930	1340	7.3	60	25	<1.0	9.5	36	.2	K16	K16	140
MAR 24...	1000	668	6.9	50	40	<1.0	8.7	28	--	580	150	75
APR 29...	0850	55	6.4	70	30	<1.0	8.3	26	.9	K45	K30	15
MAY 19...	1003	120	6.8	70	25	<1.0	8.1	26	1.2	230	140	26
JUN 23...	1010	711	6.2	30	35	<1.0	6.9	21	.4	<20	K6	75
JUL 14...	1103	375	7.3	160	65	<1.0	6.6	32	.4	230	K24	52
AUG 19...	0958	1950	7.2	15	55	<1.0	7.3	29	.0	K100	K880	200
SEP 02...	1030	2600	7.2	10	10	<1.0	7.6	29	.7	K8	<2	270

DATE	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
OCT 25...	190	24	44	320	90	9.0	16	58	0	48	110	590
NOV 19...	170	25	36	300	74	9.0	17	54	0	44	97	540
DEC 05...	--	--	--	--	--	--	--	53	0	43	85	540
JAN 21...	57	12	14	110	71	5.1	6.6	37	0	30	32	190
FEB 27...	110	14	25	200	74	7.4	10	34	0	28	57	370
MAR 24...	56	8.4	13	110	74	5.5	6.4	23	0	19	36	180
APR 29...	4	2.9	1.8	9.6	55	1.1	1.7	13	0	11	6.4	13
MAY 19...	9	5.0	3.4	18	57	1.5	2.2	21	0	17	7.0	27
JUN 23...	57	8.5	13	100	72	5.0	6.3	22	0	18	31	180
JUL 14...	25	8.2	7.7	58	68	3.5	4.8	33	0	27	19	98
AUG 19...	170	19	37	310	76	9.5	15	39	0	32	87	580
SEP 02...	240	25	51	410	75	11	19	42	0	34	110	740

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

301730090180000 LAKE PONTCHARTRAIN AT PASS MANCHAC, NEAR MANCHAC, LA (CE 85403)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS, (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)
OCT 25...	0	.14	.02	.16	.73	.070	2	1	1	0	0	0
NOV 19...	8	.23	.02	.25	.68	.080	1	0	1	0	--	<1
DEC 05...	27	.17	.01	.18	1.0	.040	1	--	--	0	--	--
JAN 21...	7	.28	.02	.30	.74	.110	1	0	1	0	--	<1
FEB 27...	24	.23	.02	.25	.65	.120	1	0	1	0	--	<1
MAR 24...	67	.29	.03	.32	1.1	.150	1	1	0	0	--	<1
APR 29...	13	--	.02	--	.47	.200	1	0	1	0	--	<1
MAY 19...	12	.26	.02	.28	.73	.130	1	0	1	0	--	<1
JUN 23...	30	.05	.03	.08	1.7	.080	1	0	1	0	--	<1
JUL 14...	123	.39	.02	.41	1.1	.180	2	1	1	0	--	<1
AUG 19...	19	.27	.00	.27	1.1	.060	1	0	1	0	--	<1
SEP 02...	6	.00	.00	.00	.69	.020	1	0	1	0	0	0

DATE	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS, (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 25...	0	0	0	0	0	0	0	0	10	2	2	0
NOV 19...	0	--	<1	0	0	0	--	5	20	1	1	0
DEC 05...	0	--	--	0	--	0	--	--	--	4	--	--
JAN 21...	1	0	1	0	0	10	10	0	160	2	1	1
FEB 27...	0	--	<1	0	0	5	3	2	160	7	7	0
MAR 24...	0	--	<1	0	1	9	6	3	140	6	6	0
APR 29...	0	--	<1	0	0	8	5	3	130	6	5	1
MAY 19...	0	0	0	0	0	6	5	1	190	6	6	0
JUN 23...	0	--	<1	0	0	7	5	2	70	7	7	0
JUL 14...	0	--	<1	0	0	8	4	4	50	14	12	2
AUG 19...	1	--	3	20	0	12	10	2	10	18	18	0
SEP 02...	1	1	0	40	0	5	4	1	10	4	4	0

< Actual value is known to be less than the value shown.

301730090180000 LAKE PONTCHARTRAIN AT PASS MANCHAC, NEAR MANCHAC, LA (CE 85403)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOVERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOVERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOVERABLE (UG/L AS ZN)
OCT 25...	.0	.0	.0	3	3	0	0	0	0	--	0	0
NOV 19...	.1	.1	.0	4	0	4	0	0	0	--	0	--
DEC 05...	.0	--	--	6	--	--	0	--	--	--	10	--
JAN 21...	.1	.1	.0	--	--	6	0	0	0	--	0	--
FEB 27...	.0	.0	.0	4	4	0	0	0	0	--	30	20
MAR 24...	.0	.0	.0	13	11	2	0	0	0	--	30	30
APR 29...	.1	.1	.0	7	4	3	0	0	0	.0	10	0
MAY 19...	.0	.0	.0	5	2	3	0	0	0	1.0	20	20
JUN 23...	.2	.2	.0	6	4	2	0	0	0	--	40	40
JUL 14...	.1	.1	.0	5	3	2	0	0	0	--	30	30
AUG 19...	.0	.0	.0	30	28	2	0	0	0	--	210	210
SEP 02...	.1	.1	.0	5	4	1	0	0	0	--	20	10

DATE	ZINC, DIS- SOLVED (UG/L AS ZN)	CARRON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOVERABLE GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDO, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 25...	0	11	.00	6	0	.0	.00	.000	.0	.000	.000	.000
NOV 19...	7	9.2	.00	2	0	.0	.00	.000	.0	.000	.000	.000
DEC 05...	--	6.4	.00	0	0	.0	.00	.000	.0	.000	.000	.000
JAN 21...	7	7.8	.00	5	--	.0	.00	.000	.0	.000	.000	.000
FEB 27...	10	9.5	.00	2	0	.0	.00	.000	.0	.000	.000	.000
MAR 24...	3	11	.00	1	1	.0	.00	.000	.0	.000	.000	.000
APR 29...	<3	11	.00	5	1	.0	.00	.000	.0	.000	.000	.000
MAY 19...	<3	8.1	.00	3	0	.0	.00	.000	.0	.000	.000	.000
JUN 23...	<3	6.0	.00	1	0	.0	.00	.000	.0	.000	.000	.000
JUL 14...	<3	11	.00	10	0	.0	.00	.000	.0	.000	.000	.000
AUG 19...	<3	7.4	.00	0	0	.0	.00	.000	.0	.000	.000	.000
SEP 02...	10	5.4	.00	0	0	.0	.00	.000	.0	.000	.000	.000

< Actual value is known to be less than the value shown.

301730090180000 LAKE PONTCHARTRAIN AT PASS MANCHAC, NEAR MANCHAC, LA (CE 85403)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
OCT 25...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
NOV 19...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
DEC 05...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JAN 21...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
FEB 27...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR 24...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
APR 29...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY 19...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN 23...	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL 14...	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG 19...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 02...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 25...	.00	.00	.00	.00	.0	.00	.03	.00	.00	1.92	.000
NOV 19...	.00	.00	.00	.00	.0	.00	.03	.00	.00	8.17	.000
DEC 05...	.00	.00	.00	.00	.0	.00	.00	.00	.00	6.10	.000
JAN 21...	.00	.00	.00	.00	.0	.00	.02	.00	.00	1.78	.000
FEB 27...	.00	.00	.00	.00	.0	.00	.07	.00	.00	3.60	.000
MAR 24...	.00	.00	.00	.00	.0	.00	.03	.00	.00	2.89	.000
APR 29...	.00	.00	.00	.00	.0	.00	.05	.00	.01	1.00	.000
MAY 19...	.00	.00	.00	.00	.0	.00	.04	.00	.01	1.34	.000
JUN 23...	.00	.00	.00	.00	.0	.00	.03	.00	.00	1.66	.000
JUL 14...	.00	.00	.00	.00	.0	.00	--	--	--	3.60	.000
AUG 19...	.00	.00	.00	.00	.0	.00	.01	.00	.00	1.95	.000
SEP 02...	.00	.00	.00	.00	.0	.00	.01	.00	.00	4.01	.000

07580250 PASS MANCHAC AT MANCHAC, LA (CE 85420)

LOCATION.--Lat 30°16'53", long 90°24'01", T.9 S., R.8 E., St. John the Baptist-Tangipahoa Parish line, Hydrologic Unit 08090202, at bridge on U.S. Highway 51, 10 mi (16.1 km) south of Ponchatoula, 0.4 mi (0.64 km) north of Galva, 0.2 mi (0.32 km) south of Manchac.

DRAINAGE AREA.--3,204 mi² (8,298 km²).

PERIOD OF RECORD.--Water years 1963, 1975 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1976 to current year.

CHLORIDE: October 1974 to current year.

COOPERATION.--Samples collected by the Corps of Engineers since October 1974 and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum daily, 30.0°C Aug. 13, 1977, July 19, 1978; minimum daily, 4.0°C Feb. 9, 10, 1978, Jan. 15, 1979.

CHLORIDE: Maximum daily, 8,400 mg/L Apr. 19, 1977; minimum daily, 10 mg/L June 7, 1980.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 24.5°C Oct. 1, 2, 4, 14; minimum daily, 6.5°C Feb. 2.

CHLORIDE: Maximum daily, 1,200 mg/L Mar. 16; minimum daily, 10 mg/L June 7.

TEMPERATURE, WATER (DFG, C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.5	18.5	9.5	9.5	14.0	14.5	---	10.0	18.0	20.0	22.0	23.0
2	24.5	18.5	11.0	9.5	6.5	10.0	18.5	9.5	18.0	20.0	22.0	23.0
3	23.5	17.0	8.5	13.0	9.0	---	18.5	10.0	18.0	19.5	22.0	23.0
4	24.5	15.0	9.5	10.0	9.0	12.0	19.0	11.0	18.0	20.0	22.0	23.0
5	21.0	15.0	9.0	9.5	9.5	13.0	19.0	13.5	17.0	21.0	21.0	23.0
6	21.0	16.5	14.0	11.0	11.0	13.5	18.0	15.5	18.0	21.0	21.0	23.0
7	22.0	15.5	11.0	11.0	9.0	14.0	19.0	15.0	18.0	21.5	21.0	23.0
8	23.0	16.5	12.0	12.0	10.0	15.0	20.0	15.0	18.0	20.5	21.0	23.0
9	23.5	18.5	11.5	13.0	11.0	15.0	20.0	12.5	17.0	21.0	21.0	23.0
10	21.5	18.0	11.0	14.5	10.0	14.0	20.0	13.5	16.0	22.0	21.0	23.0
11	20.0	15.5	11.0	14.5	8.5	15.0	19.5	14.0	17.0	23.0	21.0	23.0
12	21.0	14.5	13.0	12.0	8.0	17.0	18.5	12.5	18.0	23.0	21.0	23.0
13	21.0	13.5	13.5	11.5	8.0	14.5	19.0	14.0	18.0	22.0	20.0	22.0
14	24.5	13.0	13.0	9.5	9.0	15.5	17.0	12.5	18.0	23.5	20.0	22.0
15	18.5	12.0	12.0	13.5	9.0	15.5	18.0	12.5	19.0	23.0	20.0	22.0
16	19.5	12.0	13.0	15.0	8.5	18.0	19.5	10.0	20.0	22.0	20.0	22.0
17	21.0	13.5	10.5	15.5	8.5	20.5	---	12.5	20.0	23.0	20.0	22.0
18	21.0	14.0	8.0	16.0	8.5	18.5	---	13.0	20.5	23.0	20.0	22.0
19	---	16.5	8.0	14.0	11.0	18.0	17.0	12.5	20.5	23.5	20.0	22.0
20	23.5	15.5	10.0	15.5	12.0	17.0	15.5	13.0	20.0	23.0	20.0	22.0
21	23.5	16.5	13.0	15.5	13.5	18.5	16.0	13.0	20.5	22.0	20.0	21.0
22	21.5	19.0	12.0	16.5	13.5	18.0	14.5	14.0	20.0	22.0	20.0	21.0
23	20.5	15.5	13.0	13.5	13.0	18.5	13.0	14.5	19.0	23.0	20.0	21.0
24	18.5	13.0	---	13.0	12.0	17.0	13.0	14.5	18.5	22.0	20.0	21.0
25	18.0	13.0	13.5	13.0	13.0	17.0	12.0	15.0	18.0	23.0	23.0	21.0
26	18.0	14.0	11.5	14.5	14.5	18.0	10.0	16.0	19.0	23.5	23.0	21.0
27	18.5	15.5	---	15.0	14.5	16.5	9.0	16.0	19.5	23.5	23.0	22.0
28	---	13.5	11.0	13.5	15.0	15.5	7.5	16.5	19.5	24.0	23.0	22.0
29	19.5	13.0	11.5	11.5	15.5	15.5	8.5	16.0	19.0	24.0	23.0	22.0
30	20.5	9.5	11.5	13.5	---	16.5	8.5	16.0	19.0	24.0	23.0	21.0
31	---	---	11.0	11.5	---	17.0	---	15.5	---	24.0	23.0	---

07380230 PASS MANCIAC AT MANCIAC, LA (CE 85420)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
160	700	300	280	180	150	---	20	15	260	500	570
120	580	340	360	200	100	75	15	15	260	600	630
140	440	380	460	220	200	75	15	25	270	400	600
360	420	400	340	200	250	90	20	25	250	500	600
180	440	340	300	120	250	65	15	25	270	600	600
180	440	360	340	190	250	65	15	15	260	600	600
220	400	380	700	150	400	75	20	10	250	500	600
360	400	380	400	600	200	70	15	240	260	400	---
500	400	340	350	1000	200	60	15	250	270	600	800
320	360	300	450	300	100	45	15	250	270	600	900
380	420	380	1100	300	100	40	15	250	260	600	800
280	340	400	300	400	600	35	20	180	260	300	800
340	280	400	650	400	150	40	15	---	410	300	810
460	240	240	300	450	1100	35	15	240	450	300	820
660	340	280	250	300	1100	45	15	250	460	300	870
520	280	220	200	300	1200	35	15	160	---	200	800
380	300	---	200	250	1100	---	30	50	400	200	900
320	440	240	100	250	250	---	20	45	410	300	900
300	660	260	150	350	250	35	50	42	400	200	900
540	640	220	200	200	250	35	35	54	350	1000	920
700	540	280	150	200	150	35	50	45	450	1000	700
640	400	340	150	200	100	15	45	46	400	1000	600
420	380	---	180	350	150	15	50	44	---	1000	700
360	380	320	170	190	200	15	20	50	350	1000	600
360	300	340	210	550	150	15	35	50	400	1000	600
360	340	260	330	500	150	15	25	75	410	1000	600
360	380	360	230	550	100	35	20	160	500	690	600
320	300	400	230	500	100	35	20	240	500	600	500
320	200	420	240	300	100	40	20	270	500	600	500
320	320	360	280	---	100	60	20	260	500	600	600
---	---	300	---	---	150	---	20	---	500	600	---

301500090300000 MIDDLE OF LAKE MAUREPAS NEAR MANCHAC, LA (CE 85415)

LOCATION.--Lat 50°15'00", long 90°30'00", T.9 S., R.7 E., St. John the Baptist Parish, Hydrologic Unit 08070204, 8.7 mi (14.0 km) southwest of Manchac.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)
OCT 25...	1030	836	7.9	80	75	<1.0	8.4	35	.7	<10	<4	100
NOV 19...	1045	1200	6.8	40	20	<1.0	--	30	--	K32	<2	140
DEC 05...	1040	1250	7.6	20	15	<1.0	--	8	--	<5	<5	140
JAN 21...	1025	281	6.8	100	25	<1.0	8.9	59	.7	290	K16	39
FEB 27...	0925	376	7.1	70	40	<1.0	9.4	33	.2	230	<2	51
MAR 24...	0955	379	7.2	60	30	<1.0	8.7	25	--	K64	<2	48
APR 29...	0835	56	6.6	70	30	<1.0	8.9	22	.8	K10	<5	14
MAY 19...	0953	69	6.7	70	20	<1.0	7.4	25	.0	K60	K20	16
JUN 23...	1000	118	6.1	120	75	<1.0	7.1	17	.0	<4	<2	30
JUL 14...	1052	223	7.4	160	220	<1.0	6.2	85	.8	<10	<5	42
AUG 19...	0948	388	7.3	120	35	<1.0	6.0	65	.4	K140	K20	56
SEP 02...	1015	1220	7.2	30	70	<1.0	7.7	29	1.2	<10	<4	130

DATE	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
OCT 25...	62	15	16	120	85	5.1	7.2	50	0	41	41	200
NOV 19...	100	20	23	170	70	6.2	11	50	0	41	52	300
DEC 05...	100	18	24	190	89	6.9	5.7	49	0	40	52	320
JAN 21...	17	7.3	5.0	37	65	2.6	3.6	27	0	22	10	60
FEB 27...	27	8.3	7.3	50	66	3.1	4.0	29	0	24	19	89
MAR 24...	27	7.4	7.1	52	68	3.3	4.1	25	0	21	26	84
APR 29...	2	3.4	1.3	4.7	39	.6	1.6	14	0	11	2.7	6.9
MAY 19...	4	3.8	1.7	5.9	40	.6	1.9	15	0	12	3.0	9.2
JUN 23...	10	7.0	3.0	13	46	1.0	2.4	24	0	20	13	18
JUL 14...	4	9.0	4.7	26	55	1.8	4.1	46	0	38	10	41
AUG 19...	14	12	6.4	50	63	2.9	5.4	51	0	42	20	80
SEP 02...	94	16	22	180	73	6.9	10	44	0	36	52	320

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

MISSISSIPPI RIVER DELTA

147

301500090300000 MIDDLE OF LAKE MAUREPAS NEAR MANCHAC, LA (CE 85415)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, RESIDUE AT 105 DEG. C SUS- PENDED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	PHOS- PHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)
OCT 25...	48	.31	.05	.36	.79	.130	2	1	1	0	--	<1
NOV 19...	6	.32	.02	.34	1.0	.070	0	--	1	0	--	<1
DEC 05...	7	.30	.01	.31	.92	.070	1	0	1	0	--	<1
JAN 21...	9	.27	.02	.29	.53	.130	1	0	1	0	--	<1
FEB 27...	25	.26	.03	.29	.48	.160	1	0	1	0	--	<1
MAR 24...	12	.33	.04	.37	.92	.130	1	1	0	0	--	<1
APR 29...	30	.00	.00	.00	.33	.130	1	0	1	0	--	<1
MAY 19...	9	.25	.03	.28	.82	.130	1	0	1	0	--	<1
JUN 23...	35	.22	.03	.25	1.2	.170	2	1	1	0	--	<1
JUL 14...	376	.60	.08	.68	1.2	.500	3	2	1	10	10	0
AUG 19...	178	1.3	.04	1.3	1.4	.540	15	14	1	0	--	<1
SEP 02...	6	.51	.02	.53	.97	.120	1	0	1	0	--	<1
DATE	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDED RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 25...	0	--	<1	0	0	7	7	0	20	5	5	0
NOV 19...	0	--	<1	0	0	0	--	5	50	1	1	0
DEC 05...	0	--	<1	0	0	1	--	5	40	5	4	1
JAN 21...	1	0	1	0	0	15	15	0	100	3	1	2
FEB 27...	0	--	<1	0	2	13	11	2	210	10	10	0
MAR 24...	0	--	<1	20	1	4	--	6	230	4	2	2
APR 29...	0	--	<1	0	0	10	7	3	100	4	3	1
MAY 19...	0	0	0	0	0	5	3	2	280	6	6	0
JUN 23...	0	--	<1	0	0	16	9	7	150	8	8	0
JUL 14...	0	0	0	30	0	22	17	5	160	53	51	2
AUG 19...	0	--	<1	20	0	18	13	5	110	18	18	0
SEP 02...	1	0	1	50	0	8	6	2	20	17	17	0

Actual value is known to be less than the value shown.

MISSISSIPPI RIVER DELTA

301500090300000 MIDDLE OF LAKE MAUREPAS NEAR MANCHAC, LA (CE 85415)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE D RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE D RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE D TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE D RECOV- ERABLE (UG/L AS ZN)
OCT 25...	.1	.1	.0	4	2	2	0	0	0	--	0	--
NOV 19...	.1	.0	.1	4	1	3	0	0	0	--	--	--
DEC 05...	.0	.0	.0	5	5	0	0	0	0	--	10	1
JAN 21...	.0	.0	.0	--	--	6	0	0	0	1.0	10	0
FEB 27...	.0	.0	.0	0	0	0	0	0	0	.0	10	4
MAR 24...	.0	.0	.0	4	1	3	0	0	0	1.0	20	0
APR 29...	.1	.1	.0	18	14	4	0	0	0	.0	30	30
MAY 19...	.0	.0	.0	14	14	0	0	0	0	2.0	20	0
JUN 23...	.0	.0	.0	--	8	3	0	0	0	1.0	40	40
JUL 14...	.1	.1	.0	19	17	2	1	1	0	1.0	100	90
AUG 19...	.1	.1	.0	18	16	2	1	1	0	.0	90	90
SEP 02...	.1	.1	.0	8	6	2	0	0	0	--	90	90

DATE	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
OCT 25...	6	9.1	.00	6	0	.0	.00	.000	.0	.000	.000	.000
NOV 19...	20	4.2	.00	0	0	.0	.00	.000	.0	.000	.000	.000
DEC 05...	9	8.3	.00	2	0	.0	.00	.000	.0	.000	.000	.000
JAN 21...	10	8.6	.00	5	--	.0	.00	.000	.0	.000	.000	.000
FEB 27...	6	11	.00	0	0	.0	.00	.000	.0	.000	.000	.000
MAR 24...	20	11	.00	1	0	.0	.00	.000	.0	.000	.000	.000
APR 29...	4	11	.00	0	1	.0	.00	.000	.0	.000	.000	.000
MAY 19...	20	7.5	.00	4	0	.0	.00	.000	.0	.000	.000	.000
JUN 23...	4	10	.00	2	0	.0	.00	.000	.0	.000	.000	.000
JUL 14...	10	25	.00	5	0	.0	.00	.000	.0	.000	.000	.000
AUG 19...	5	22	.00	2	0	.0	.00	.000	.0	.000	.000	.000
SEP 02...	4	11	.00	3	0	.0	.00	.000	.0	.000	.000	.000

301500090300000 MIDDLE OF LAKE MAUREPAS NEAR MANCHAC, LA (CE 85415)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
OCT 25...	.00	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00
NOV 19...	.01	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00
DEC 05...	.00	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00
JAN 21...	.01	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00
FEB 27...	.01	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00
MAR 24...	.00	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00
APR 29...	.01	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00
MAY 19...	.00	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00
JUN 23...	.01	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00
JUL 14...	.01	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00
AUG 19...	.00	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00
SEP 02...	.00	.0000	.0000	.0000	.00	.0000	.0000	.0000	.00	.00	.00

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIRFEX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 25...	.00	.00	.00	.00	.0	.00	.00	.00	.00	.0000	.0000
NOV 19...	.00	.00	.00	.00	.0	.00	.01	.00	.00	3.49	.0000
DEC 05...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.62	.0000
JAN 21...	.00	.00	.00	.00	.0	.00	.00	.00	.00	2.16	.0000
FEB 27...	.00	.00	.00	.00	.0	.00	.08	.00	.00	.0000	.0000
MAR 24...	.00	.00	.00	.00	.0	.00	.03	.00	.00	.750	.0000
APR 29...	.00	.00	.00	.00	.0	.00	.04	.00	.01	1.38	.0000
MAY 19...	.00	.00	.00	.00	.0	.00	.03	.00	.01	1.04	.0000
JUN 23...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.11	.0000
JUL 14...	.00	.00	.00	.00	.0	.00	--	--	--	1.25	.0000
AUG 19...	.00	.00	.00	.00	.0	.00	.01	.00	.00	.0000	.0000
SEP 02...	.00	.00	.00	.00	.0	.00	.01	.00	.00	6.64	1.02

07375800 TICKFAW RIVER NEAR LIVERPOOL, LA

LOCATION.---Lat 30°55'50", long 90°40'24", on line between lots 46 and 47, T.1 S., R.5 E., St. Helena meridian, near left bank on downstream side of bridge on State Highway 38, 0.2 mi (0.3 km) east of intersection of State Highways 38 and 441, 0.5 mi (0.8 km) upstream from Cotton Patch Branch, 1.0 mi (1.6 km) north of Liverpool.

DRAINAGE AREA.--89.7 mi² (232.3 km²).

PERIOD OF RECORD.--March 1956 to September 1968, October 1979 to September 1980. October 1968 to September 1979 (annual maximums only).

GAGE.--Water-stage recorder. Altitude of gage is 206 ft (62 m), from topographic map. Mar. 9, 1956, to Sept. 30, 1968, at site 0.2 mi (0.3 km) west at same datum. Oct. 1, 1968, to Aug. 9, 1979, nonrecording gage and crest-stage indicator at site 0.2 mi (0.3 km) west at same datum.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--13 years (1957-68, 1980), 119 ft³/s (3.370 m³/s) 18.02 in/yr (458 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,000 ft³/s (510 m³/s) Mar. 29, 1980, maximum gage height, 12.18 ft (3.712 m) Apr. 22, 1977; minimum discharge, 29 ft³/s (0.82 m³/s) Sept. 26-30, 1968; minimum gage height, 1.76 ft (0.536 m) Oct. 9, 11, 12, 13, 14, 15, 16, 1968.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,000 ft³/s (28 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 12	1230	1110 31.4	8.36 2.548	Apr. 13	1715	5720 162	10.27 3.130
Feb. 10	1615	1320 37.4	8.74 2.664	Apr. 26	0745	2200 62.3	9.45 2.880
Mar. 29	2315	*18000 510	*12.06 3.676	May 17	0215	5240 148	10.19 3.106

Minimum daily discharge, 41 ft³/s (1.16 m³/s) Oct. 11, 13, 17-20, 24-26, 30, 31, Nov. 4-6.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	45	42	63	53	215	90	391	107	63	57	62	53
2	45	42	60	53	117	90	320	106	63	56	58	53
3	44	42	58	55	97	78	593	139	62	56	56	52
4	44	41	57	55	87	74	455	115	62	56	55	52
5	43	41	57	54	83	77	176	99	61	55	55	53
6	43	41	58	53	86	75	123	93	60	55	57	58
7	42	42	58	56	86	83	108	89	60	55	55	55
8	42	44	61	65	81	154	105	87	60	67	54	54
9	42	48	61	211	437	124	101	86	60	69	54	53
10	42	54	61	292	1240	94	91	84	59	58	54	53
11	41	56	63	600	500	82	84	83	58	56	56	52
12	42	51	63	1040	200	74	362	82	58	55	54	51
13	41	51	138	658	140	71	3700	82	58	55	54	51
14	42	50	451	166	115	67	2080	82	57	54	53	52
15	42	50	285	119	100	65	765	84	57	54	53	53
16	42	51	111	144	94	64	192	696	57	54	53	53
17	41	51	87	542	91	105	121	3600	57	54	52	53
18	41	51	74	744	86	426	124	1310	57	54	52	54
19	41	51	67	372	82	345	241	606	58	54	52	53
20	41	53	62	150	80	133	173	507	62	64	52	53
21	42	54	59	115	77	175	111	588	59	60	51	53
22	42	70	60	116	75	165	91	208	59	67	51	53
23	42	176	72	310	73	106	81	169	86	71	51	52
24	41	181	116	278	70	411	76	109	82	65	51	52
25	41	313	152	136	68	652	160	88	65	57	51	53
26	41	665	97	137	66	184	1720	79	64	58	52	57
27	42	325	73	159	66	414	1030	73	60	57	53	55
28	42	92	64	121	65	4590	288	69	59	68	57	53
29	42	74	58	100	67	5480	146	67	58	58	54	53
30	41	67	56	90	---	6340	120	65	57	55	54	97
31	41	---	55	169	---	1060	---	64	---	59	53	---
TOTAL	1303	2969	2857	7213	4644	21948	14128	9716	1838	1813	1669	1639
MEAN	42.0	99.0	92.2	233	160	708	471	313	61.3	58.5	53.8	54.6
MAX	45	665	451	1040	1240	6340	3700	3600	86	71	62	97
MIN	41	41	55	53	65	64	76	64	57	54	51	51
CFSM	.47	1.10	1.03	2.60	1.78	7.89	5.25	3.49	.68	.65	.60	.61
IN.	.54	1.23	1.18	2.99	1.93	9.10	5.86	4.03	.76	.75	.69	.68

WTR YR 1980 TOTAL 71737 MEAN 196 MAX 6340 MIN 41 CFSM 2.19 IN 29.75

07375800 TICKFAW RIVER NEAR LIVERPOOL, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	3.10	2.94	4.18	3.08	5.26	2.99	2.69	2.58	2.66	2.52
2	---	---	3.06	2.93	3.39	3.08	4.85	2.98	2.68	2.57	2.60	2.51
3	---	---	3.03	2.97	3.16	2.92	6.43	3.37	2.67	2.57	2.56	2.50
4	---	---	3.00	2.97	3.04	2.86	5.65	3.09	2.65	2.56	2.55	2.50
5	---	---	3.00	2.95	2.98	2.90	3.91	2.90	2.65	2.56	2.56	2.52
6	---	2.76	3.02	2.94	3.03	2.87	3.45	2.83	2.64	2.55	2.58	2.60
7	---	2.77	3.02	2.98	3.03	2.97	3.28	2.78	2.63	2.55	2.54	2.55
8	---	2.81	3.06	3.10	2.96	3.73	3.26	2.76	2.63	2.74	2.54	2.53
9	2.63	2.87	3.06	4.33	5.41	3.45	3.20	2.74	2.63	2.77	2.53	2.52
10	2.62	3.00	3.06	4.81	8.62	3.12	3.08	2.72	2.62	2.61	2.53	2.51
11	2.61	3.02	3.09	6.36	---	2.97	2.99	2.71	2.61	2.57	2.56	2.50
12	2.62	2.94	3.09	8.15	---	2.85	4.40	2.70	2.60	2.55	2.54	2.49
13	---	2.93	3.76	6.58	---	2.82	9.56	2.69	2.59	2.54	2.52	2.49
14	---	2.92	5.64	3.83	3.37	2.75	9.19	2.69	2.59	2.53	2.52	2.50
15	---	2.92	4.75	3.41	3.20	2.71	7.02	2.71	2.59	2.53	2.52	2.53
16	---	2.93	3.63	3.59	3.12	2.70	4.03	5.56	2.58	2.53	2.51	2.51
17	---	2.93	3.39	6.09	3.09	3.18	3.43	9.82	2.58	2.53	2.51	2.51
18	---	2.93	3.24	7.10	3.03	5.49	3.44	8.63	2.58	2.53	2.50	2.53
19	---	2.93	3.15	5.14	2.97	4.98	4.38	6.36	2.59	2.53	2.51	2.52
20	---	2.96	3.07	3.70	2.94	3.55	3.88	5.93	2.65	2.68	2.49	2.52
21	---	2.97	3.03	3.36	2.90	3.90	3.33	6.35	2.62	2.63	2.49	2.52
22	---	3.18	3.05	3.37	2.87	3.81	3.09	4.14	2.61	2.73	2.49	2.52
23	---	4.13	3.21	4.80	2.83	3.26	2.96	3.85	3.00	2.80	2.48	2.50
24	---	4.18	3.67	4.60	2.80	5.32	2.88	3.30	2.97	2.72	2.47	2.50
25	---	4.90	3.97	3.58	2.77	6.71	3.40	3.05	2.71	2.59	2.47	2.52
26	---	6.74	3.50	3.59	2.74	3.97	9.12	2.93	2.71	2.59	2.50	2.59
27	---	4.92	3.23	3.78	2.73	5.27	8.02	2.85	2.64	2.58	2.51	2.54
28	---	3.45	3.10	3.42	2.72	10.11	4.51	2.79	2.61	2.77	2.58	2.51
29	---	3.25	3.02	3.20	2.75	10.14	3.43	2.75	2.60	2.60	2.53	2.52
30	---	3.15	2.98	3.08	---	10.31	3.15	2.72	2.59	2.56	2.53	3.13
31	---	---	2.97	3.79	---	8.23	---	2.71	---	2.61	2.52	---
MEAN	---	---	3.32	4.11	---	4.39	4.64	3.75	2.65	2.61	2.53	2.54
MAX	---	6.74	5.64	8.15	8.62	10.31	9.56	9.82	3.00	2.80	2.66	3.13
MIN	---	---	2.97	2.93	2.72	2.70	2.88	2.69	2.58	2.53	2.47	2.49

07376000 TICKFAW RIVER AT HOLDEN, LA

LOCATION.--Lat 30°30'13", long 90°40'38", in sec.26, T.6 S., R.5 E., St. Helena meridian, Livingston Parish, Hydrologic Unit 08070203, 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.

REVISED RECORDS.--WSP 1711: Drainage year.

GAGE.--Water-stage recorder. Datum of gage is 19.15 ft (5.837 m) National Geodetic Vertical Datum of 1929. Prior to Sept. 13, 1944, nonrecording gage, Sept. 14, 1944, to June 14, 1948, water-stage recorder, June 15, 1949, To Dec. 9, 1949, nonrecording gage at same site and datum.

REMARKS.--Records good. Records of dissolved oxygen and water temperature for the 1980 water year are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--40 years, 372 ft³/s (10.54 m³/s) 20.45 in/yr (519 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 19,000 ft³/s (538 m³/s) May 23, 1974, gage height, 20.37 ft (6.209 m); minimum discharge, 65 ft³/s (1.84 m³/s) Oct. 1, 2, 3, 4, 1969; minimum gage height, 0.93 ft (0.283 m) Sept. 26, 27, Oct. 21, 22, 23, 24, 28, 29, 1976.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,000 ft³/s (57 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s (m ³ /s))	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s (m ³ /s))	Gage height (ft) (m)
Jan. 14	0900	2120 60.0	9.00 2.743	Apr. 15	0815	6680 189	16.78 5.115
Feb. 13	unknown	2200 59.5	unknown unknown	Apr. 27	2330	5690 161	15.87 4.837
Mar. 31	1130	*13100 371	*19.04 5.803	May 19	0630	5860 166	16.04 4.889

Minimum discharge, 106 ft³/s (3.00 m³/s) Oct. 30, 31, gage height, 1.40 ft (0.427 m).

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	116	115	237	160	308	340	6000	577	260	177	146	153
2	116	119	204	150	385	500	4180	423	246	172	146	146
3	114	114	188	140	398	520	3610	377	236	168	156	138
4	113	112	174	135	318	429	3220	518	225	164	148	135
5	111	110	168	130	285	380	2800	425	218	161	165	139
6	112	110	164	125	265	353	1730	329	210	158	185	138
7	112	110	161	120	250	330	726	280	204	156	149	138
8	111	111	158	120	240	763	864	252	198	155	150	142
9	111	111	157	130	230	1140	1120	237	193	153	148	143
10	110	118	155	350	225	697	656	238	188	158	140	138
11	109	127	154	962	220	518	465	213	185	169	140	135
12	109	136	154	1480	660	452	945	197	180	154	138	136
13	109	128	197	1480	2100	377	2530	186	176	149	142	136
14	108	121	671	2050	1700	366	3710	179	173	147	149	132
15	107	116	1240	1730	900	363	6190	178	170	144	163	134
16	108	115	1240	918	470	363	4440	600	167	142	144	133
17	108	114	860	563	370	403	3150	2040	164	152	139	138
18	109	114	640	969	500	645	1820	3290	162	172	146	138
19	108	114	450	1350	410	1040	1220	5580	163	153	139	135
20	108	114	330	1340	350	872	1320	4780	171	149	137	136
21	107	113	270	1030	290	745	984	4320	175	178	136	134
22	107	124	230	527	270	697	542	3550	182	170	135	133
23	108	172	200	517	240	585	405	2300	228	189	133	133
24	108	311	180	835	220	494	332	1200	504	178	131	132
25	109	463	220	798	210	638	282	681	505	174	132	131
26	109	697	340	620	205	1500	648	503	390	169	131	132
27	108	861	540	501	200	1920	3320	416	271	156	135	167
28	108	700	450	495	198	2680	4780	362	222	155	134	143
29	108	572	250	449	220	3250	3480	325	198	150	133	135
30	108	308	200	381	---	7880	2120	298	185	158	137	155
31	111	---	170	336	---	11500	---	277	---	152	137	---
TOTAL	3400	6650	10752	21311	12637	42740	67589	35131	6749	4982	4444	4158
MEAN	110	222	347	687	436	1379	2253	1133	225	161	143	139
MAX	116	861	1240	2050	2100	11500	6190	5580	505	189	185	167
MIN	107	110	154	120	198	330	282	178	162	142	131	131
CF5M	.45	.90	1.41	2.78	1.77	5.58	9.12	4.59	.91	.65	.58	.58
IN	.51	1.00	1.62	3.21	1.90	6.44	10.18	5.29	1.02	.75	.67	.63

CAL YR 1979 TOTAL 209210 MEAN 573 MAX 14400 MIN 107 CF5M 2.32 IN 31.51
WTR YR 1980 TOTAL 220543 MEAN 603 MAX 11500 MIN 107 CF5M 2.44 IN 33.22

07376000 TICKFAW RIVER AT HOLDEN, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.54	1.49	2.40	---	2.65	---	15.84	4.96	2.77	2.12	1.79	1.75
2	1.53	1.54	2.19	---	3.12	---	13.60	4.15	2.68	2.08	1.78	1.69
3	1.52	1.49	2.08	---	3.21	---	12.48	3.88	2.62	2.05	1.88	1.60
4	1.50	1.45	1.96	---	2.71	3.42	11.63	4.68	2.55	2.02	1.81	1.57
5	1.48	1.43	1.90	---	2.51	3.11	10.67	4.16	2.50	1.99	1.93	1.60
6	1.48	---	1.85	---	2.39	2.95	8.11	3.58	2.45	1.97	2.09	1.58
7	1.48	---	1.82	---	---	2.80	5.67	3.27	2.40	1.95	1.81	1.59
8	1.47	1.43	1.79	---	---	4.91	6.00	3.09	2.36	1.94	1.80	1.63
9	1.47	1.44	1.76	---	---	6.36	6.75	2.99	2.32	1.92	1.79	1.63
10	1.45	1.52	1.73	---	---	4.75	5.44	3.00	2.29	1.96	1.71	1.58
11	1.45	1.62	1.71	5.76	---	3.92	4.50	2.82	2.27	2.06	1.70	1.55
12	1.44	1.71	1.70	7.35	---	3.54	5.96	2.71	2.23	1.93	1.68	1.55
13	1.44	1.63	2.02	8.42	---	3.10	10.00	2.63	2.20	1.88	1.72	1.55
14	1.44	1.55	4.59	8.83	---	3.03	12.58	2.58	2.17	1.85	1.77	1.51
15	1.43	1.50	6.66	8.02	---	3.01	16.27	2.57	2.14	1.83	1.89	1.52
16	1.43	1.48	6.65	5.51	---	3.01	14.02	4.83	2.12	1.81	1.72	1.51
17	1.43	1.48	---	4.14	---	3.25	11.46	8.83	2.09	1.89	1.67	1.55
18	1.43	1.47	---	5.87	---	4.52	8.33	11.70	2.08	2.06	1.73	1.55
19	1.42	1.47	---	6.98	---	6.04	6.93	15.65	2.09	1.90	1.67	1.52
20	1.42	1.47	---	6.94	---	5.46	7.16	14.62	2.16	1.85	1.64	1.52
21	1.41	1.46	---	5.96	---	4.97	6.34	13.85	2.19	2.10	1.63	1.50
22	1.42	1.58	---	3.95	---	4.78	4.80	12.33	2.24	2.03	1.62	1.49
23	1.43	2.02	---	3.90	---	4.27	4.05	9.44	2.56	2.18	1.59	1.48
24	1.42	2.92	---	5.30	---	3.79	3.59	6.53	4.03	2.09	1.57	1.46
25	1.43	3.77	---	5.18	---	4.42	3.29	4.86	4.04	2.06	1.58	1.45
26	1.43	4.82	---	4.41	---	7.38	4.94	4.10	3.46	2.01	1.56	1.46
27	1.42	5.44	---	3.81	---	8.51	11.44	3.65	2.76	1.90	1.60	1.78
28	1.41	4.84	---	3.77	1.94	10.38	14.56	3.35	2.45	1.89	1.58	1.57
29	1.42	4.26	---	3.51	---	11.68	12.17	3.14	2.28	1.84	1.57	1.50
30	1.41	2.85	---	3.10	---	17.09	9.03	2.99	2.19	1.90	1.61	1.69
31	1.45	---	---	2.82	---	18.57	---	2.87	---	1.85	1.60	---
MEAN	1.45	---	---	---	---	---	8.92	5.61	2.49	1.96	1.71	1.56
MAX	1.54	5.44	---	8.83	---	18.57	16.27	15.65	4.04	2.18	2.09	1.78
MIN	1.41	---	1.70	---	---	---	3.29	2.57	2.08	1.81	1.56	1.45

07376500 NATALBANY RIVER AT BAPTIST, LA

LOCATION.--Lat 30°30'15", long 90°32'45", in NE¼ sec.30, T.6 S., R.7 E., St. Helena meridian, Tangipahoa Parish, Hydrologic Unit 08070203, 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.

REVISED RECORDS.--WSP 1057: 1943.

GAGE.--Water-stage recorder. Datum of gage is 11.28 ft (3.438 m) National Geodetic Vertical Datum of 1929. 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.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--37 years, 117 ft³/s (3.313 m³/s), 19.99 in/yr (508 mm/yr).

EXTREMES FOR 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, 2.84 ft (0.866 m) Sept. 25, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,300ft³/s (42.5 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 1	1545	1430 40.5	11.36 3.463	Apr. 13	1530	*3630 103	*15.08 4.596
Mar. 8	1015	1300 36.8	10.88 3.316	Apr. 26	2115	1840 52.1	12.49 3.807
Mar. 28	2400	2900 82.1	14.23 4.337	May 19	2345	2390 67.7	13.49 4.112
Apr. 2	2000	2330 66.0	13.38 4.078				

Minimum discharge, 10 ft³/s (0.28 m³/s) Nov. 14, 15, 16, Sept. 23, 24, 25, 26; minimum gage height, 2.84 ft (0.866 m) Sept. 25.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	13	15	27	43	1180	357	80	38	23	20	13
2	12	12	15	25	40	463	1480	68	37	22	22	12
3	12	11	15	24	38	153	1820	75	35	21	17	12
4	11	11	15	22	37	93	682	67	34	21	17	12
5	12	11	15	22	35	85	252	61	33	21	29	14
6	11	11	15	21	35	77	151	52	32	20	25	13
7	11	11	15	21	34	154	149	46	30	19	23	12
8	11	11	15	21	33	1040	775	44	30	20	21	12
9	11	11	15	30	110	355	428	43	29	19	17	11
10	11	23	16	55	228	161	186	47	28	20	15	11
11	11	19	16	801	121	134	126	40	27	18	16	11
12	11	13	18	639	76	94	1130	33	26	17	17	18
13	11	11	165	229	59	73	2980	32	25	17	17	15
14	11	10	511	106	50	60	2310	31	25	17	16	11
15	11	11	204	74	45	52	742	31	25	17	16	11
16	11	11	83	56	56	47	212	770	24	18	14	11
17	11	11	57	285	75	362	136	2020	24	19	14	12
18	11	11	45	420	59	521	489	1440	23	20	13	17
19	12	11	37	186	48	211	485	1080	24	22	13	12
20	13	13	32	98	43	120	210	2150	37	26	13	11
21	13	13	29	71	40	234	130	830	27	22	13	11
22	14	16	43	82	41	163	110	369	143	18	14	11
23	13	36	103	204	38	97	94	251	202	43	13	11
24	12	35	191	140	34	153	84	145	264	25	13	10
25	11	150	138	85	32	136	80	99	157	19	13	10
26	11	99	78	79	29	519	1210	84	59	18	12	13
27	11	40	51	79	27	728	1510	72	38	17	12	39
28	11	28	40	67	26	2170	388	62	32	17	12	16
29	11	20	35	55	35	2460	150	52	28	16	12	13
30	11	17	32	49	---	2620	101	46	25	16	13	44
31	13	---	29	47	---	1480	---	42	---	18	16	---
TOTAL	358	700	2088	4120	1567	16195	18957	10262	1561	626	498	429
MEAN	11.5	23.3	67.4	133	54.0	522	632	331	52.0	20.2	16.1	14.3
MAX	14	150	511	801	228	2620	2980	2150	264	43	29	44
MIN	11	10	15	21	26	47	80	31	23	16	12	10
CFSM	.15	.29	.85	1.67	.68	6.57	7.95	4.16	.65	.25	.20	.18
IN.	.17	.33	.98	1.93	.73	7.58	8.87	4.80	.73	.29	.23	.20
CAL YR 1979	TOTAL	57600	MEAN 158	MAX 4130	MIN 10	CFSM 1.99	IN 26.95					
WTR YR 1980	TOTAL	57361	MEAN 157	MAX 2980	MIN 10	CFSM 1.98	IN 26.84					

07376500 NATALBANY RIVER AT BAPTIST, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.05	3.04	3.02	3.21	3.49	10.32	6.31	3.89	---	3.07	3.01	2.88
2	3.05	3.00	3.00	3.17	3.45	6.91	10.62	3.74	---	3.04	3.07	2.86
3	3.04	2.98	2.99	3.15	3.42	4.86	12.28	3.83	---	3.03	2.94	2.86
4	3.03	2.96	2.98	3.11	3.39	4.28	8.10	3.73	3.24	3.03	2.94	2.86
5	3.02	2.96	2.97	3.09	3.37	4.18	5.55	3.65	3.21	3.01	3.19	2.91
6	3.02	2.96	2.99	3.07	3.36	4.08	4.64	3.52	3.19	2.99	3.16	2.90
7	3.02	2.96	2.98	3.06	3.34	4.53	4.63	3.43	3.17	2.99	3.11	2.88
8	3.01	2.95	2.98	3.05	3.33	9.76	8.15	3.40	3.15	3.00	3.05	2.88
9	3.01	2.97	2.98	3.26	4.23	6.30	6.75	3.39	3.13	2.97	2.95	2.86
10	3.01	3.25	2.99	3.73	5.44	4.93	4.97	3.45	3.12	2.98	2.90	2.86
11	3.01	3.17	3.02	8.49	4.58	4.69	4.39	3.34	3.10	2.95	2.91	2.85
12	3.00	3.02	3.05	7.92	4.08	4.27	9.27	3.22	3.08	2.94	2.95	3.03
13	3.00	2.94	4.39	5.43	3.84	3.99	14.17	3.19	3.07	2.94	2.96	2.98
14	3.00	2.92	7.25	4.40	3.70	3.78	13.19	3.18	3.06	2.93	2.94	2.86
15	2.99	2.92	5.25	4.01	3.62	3.65	8.30	3.18	3.06	2.92	2.95	2.86
16	3.00	2.92	4.16	3.75	3.79	3.56	5.21	8.00	3.04	2.96	2.89	2.85
17	3.01	2.92	3.80	5.54	4.08	6.04	4.50	12.71	3.03	3.01	2.87	2.90
18	3.01	2.92	3.60	6.72	3.85	7.30	7.11	11.18	3.03	3.02	2.87	3.03
19	3.02	2.94	3.45	5.12	3.68	5.31	7.09	9.61	3.04	3.06	2.87	2.89
20	3.03	2.99	3.36	4.31	3.58	4.54	5.19	13.03	3.26	3.13	2.86	2.86
21	3.05	2.96	3.29	3.96	3.51	5.46	---	8.81	3.11	3.06	2.86	2.86
22	3.07	3.06	3.55	4.06	3.55	4.93	---	6.43	4.10	2.97	2.91	2.86
23	3.06	3.47	4.33	5.27	3.50	4.27	---	5.55	5.08	3.45	2.87	2.87
24	3.01	3.44	5.17	4.73	3.43	4.82	---	4.58	5.62	3.14	2.86	2.85
25	3.00	4.65	4.73	4.15	3.39	4.69	---	4.10	4.77	2.99	2.86	2.85
26	2.99	4.26	4.10	4.06	3.34	7.06	10.10	3.94	3.73	2.97	2.86	2.92
27	2.98	3.52	3.70	4.07	3.31	8.39	11.55	---	3.37	2.95	2.86	3.50
28	2.98	3.31	3.51	3.89	3.28	12.80	6.41	---	3.25	2.93	2.86	3.04
29	2.99	3.14	3.40	3.70	3.39	13.56	4.63	---	3.17	2.92	2.86	2.92
30	2.99	3.07	3.33	3.59	---	13.81	---	---	3.11	2.91	2.89	3.58
31	3.02	---	3.26	3.56	---	11.24	---	---	---	2.96	2.97	---
MEAN	3.02	3.15	3.66	4.28	3.67	6.40	---	---	---	3.01	2.94	2.94
MAX	3.07	4.65	7.25	8.49	5.44	13.81	14.17	13.03	5.62	3.45	3.19	3.58
MIN	2.98	2.92	2.97	3.05	3.28	3.56	---	3.18	3.03	2.91	2.86	2.85

07377000 AMITE RIVER NEAR DARLINGTON, LA

LOCATION.--Lat 30°53'20", long 90°50'40", in lot 72, T.2 S., R.4 E., St. Helena meridian, St. Helena Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on State Highway 10, 1.5 mi (2.4 km) upstream from Collins Creek, and 4.0 mi (6.4 km) west of Darlington.

DRAINAGE AREA.--580 mi² (1,504 km²).

PERIOD OF RECORD.--March 1949 to September 1950 (annual maximum), October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 145.81 ft (44.443 m) National Geodetic Vertical Datum of 1929. Jan. 13, 1951, to May 28, 1963, water-stage recorder at former channel 700 ft (210 m) to the left; and July 30, 1963, to Feb. 12, 1964, nonrecording gage at present site. Prior to Oct. 1, 1963, at datum 2.99 ft (0.911 m) higher.

AVERAGE DISCHARGE.--30 years, 907 ft³/s (25.69 m³/s), 21.24 in/yr (540 mm/yr).

REMARKS.--Records good. Records of dissolved oxygen and water temperature for water year 1980 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76,400 ft³/s (2,160 m³/s) Apr. 22, 1977, gage height, 21.76 ft (6.632 m); minimum, 188 ft³/s (5.32 m³/s) Oct. 18, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 5,000 ft³/s (140 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Nov. 26	0700	5020 142	10.55 3.216	Mar. 18	1900	8080 229	12.79 3.898
Dec. 14	0700	5390 153	10.86 3.310	Mar. 28	1919	*47500 1350	*19.59 5.971
Jan. 12	0200	8500 241	13.06 3.981	Apr. 14	1115	21800 617	17.05 5.197
Jan. 18	1215	6260 177	11.53 3.514	Apr. 26	0500	9840 279	13.90 4.237
Feb. 11	0300	10600 300	14.36 4.377	May 17	1800	10900 309	14.49 4.417

Minimum discharge, 282 ft³/s (7.99 m³/s) Oct. 31; minimum gage height, 3.72 ft (1.134 m) Sept. 29.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	332	460	545	496	2440	824	6950	810	600	511	476	433
2	336	358	499	473	1430	953	3230	863	583	503	461	414
3	323	307	467	454	1000	687	4590	1360	570	495	455	417
4	315	292	444	443	833	596	4250	1040	559	489	453	410
5	310	288	429	429	742	642	2510	823	549	484	464	414
6	308	290	423	417	760	676	1590	723	539	480	454	471
7	305	290	412	408	744	617	1320	669	530	483	450	456
8	304	292	399	427	681	969	1330	642	522	559	463	442
9	303	302	388	1570	4360	1020	1530	627	516	715	437	442
10	300	712	383	1750	9760	819	1510	602	509	558	431	433
11	296	823	380	4820	9620	679	1040	586	501	496	441	423
12	296	463	379	8000	5710	603	3680	573	493	478	442	410
13	296	360	1750	5040	1830	566	13600	563	489	469	427	405
14	293	333	4980	2200	1250	538	20700	559	484	462	507	402
15	290	323	3930	1150	1010	503	11300	557	480	457	496	429
16	290	318	2050	3000	905	497	4250	5160	476	461	447	430
17	291	320	1180	5320	883	1690	1640	10600	474	508	436	412
18	290	321	885	6150	787	7380	1410	9990	492	471	428	434
19	287	320	727	4870	709	4970	2800	7020	485	470	421	424
20	286	319	633	2030	665	1990	2260	5400	641	494	417	413
21	285	318	575	1310	633	3310	1300	3760	641	693	417	412
22	288	348	547	1140	605	3230	934	2150	533	719	417	408
23	295	673	617	3790	583	1770	783	1860	781	853	406	404
24	295	1480	1170	3980	558	2030	691	1440	1750	896	399	404
25	287	2660	1960	2410	533	1820	841	1040	1320	615	399	404
26	285	4620	1580	1820	506	1590	7810	865	875	1070	404	408
27	285	3460	946	2020	489	4350	2650	776	640	705	497	432
28	285	1550	718	1530	483	34400	1390	713	577	556	496	411
29	286	812	614	1120	486	35100	1030	672	547	541	433	402
30	286	629	561	922	---	30600	887	639	526	532	421	676
31	309	---	524	1440	---	15600	---	616	---	487	425	---
TOTAL	9237	24041	31095	70929	50995	161019	109806	63698	18682	17710	13720	12875
MEAN	298	801	1003	2288	1758	5194	3660	2055	623	571	443	429
MAX	336	4620	4980	8000	9760	35100	20700	10600	1750	1070	507	676
MIN	285	288	379	408	483	497	691	557	474	457	399	402
CFSM	.51	1.38	1.73	3.95	3.03	8.96	6.31	3.54	1.07	.98	.76	.74
IN.	.59	1.54	1.99	4.55	3.27	10.33	7.04	4.09	1.20	1.14	.88	.83
CAL YR 1979 TOTAL	491170		MEAN	1346	MAX	37200	MIN	285	CFSM	2.32	IN	31.50
WTR YR 1980 TOTAL	583807		MEAN	1595	MAX	35100	MIN	285	CFSM	2.75	IN	37.44

07377000 AMITE RIVER NEAR DARLINGTON, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.43	4.89	5.03	4.91	8.01	5.51	11.95	5.04	4.42	4.10	4.04	3.88
2	4.45	4.56	4.90	4.84	6.62	5.82	8.91	5.15	4.36	4.08	3.99	3.82
3	4.39	4.34	4.80	4.78	5.92	5.24	10.19	6.13	4.32	4.05	3.97	3.82
4	4.35	4.27	4.73	4.75	5.58	5.00	9.89	5.54	4.29	4.03	3.96	3.79
5	4.33	4.25	4.69	4.71	5.38	5.12	8.08	5.07	4.25	4.02	4.00	3.80
6	4.32	4.25	4.67	4.66	5.42	5.21	6.87	4.84	4.22	4.00	3.97	4.00
7	4.31	4.25	4.64	4.64	5.38	5.06	6.44	4.71	4.19	4.01	3.96	3.95
8	4.31	4.25	4.59	4.70	5.23	5.84	6.46	4.64	4.17	4.25	4.00	3.90
9	4.30	4.29	4.55	6.77	9.45	5.96	6.77	4.60	4.15	4.73	3.92	3.89
10	4.29	5.29	4.53	7.09	13.82	5.55	6.74	4.53	4.13	4.25	3.89	3.86
11	4.27	5.69	4.52	10.04	13.73	5.22	5.99	4.49	4.10	4.06	3.94	3.83
12	4.27	4.86	4.52	12.74	10.99	5.02	8.81	4.45	4.08	4.00	3.94	3.78
13	4.27	4.53	6.75	10.57	7.21	4.92	15.13	4.42	4.06	3.98	3.89	3.76
14	4.26	4.40	10.52	---	6.34	4.84	16.89	4.41	4.05	3.95	4.16	3.75
15	4.24	4.35	9.60	---	5.93	4.73	14.40	4.40	4.03	3.93	4.12	3.84
16	4.24	4.33	7.48	---	5.73	4.71	9.73	9.59	4.02	3.96	3.95	3.84
17	4.24	4.32	6.26	10.81	5.69	6.46	6.94	14.29	4.01	4.11	3.91	3.78
18	4.24	4.32	5.79	11.44	5.48	12.31	6.57	13.95	4.07	3.99	3.88	3.85
19	4.24	4.32	5.47	10.39	5.30	10.46	8.44	12.04	4.05	3.99	3.86	3.82
20	4.23	4.30	5.26	7.48	5.19	7.41	7.79	10.86	4.53	4.07	3.84	3.78
21	4.23	4.29	5.12	6.45	5.10	8.93	6.42	9.42	4.54	4.69	3.84	3.77
22	4.24	4.41	5.04	4.84	5.03	8.90	5.79	7.44	4.20	4.76	3.83	3.75
23	4.28	5.31	5.22	9.41	4.97	7.11	5.47	7.00	4.83	5.12	3.80	3.74
24	4.28	6.71	6.23	9.65	4.89	7.46	5.25	6.28	6.80	5.22	3.77	3.74
25	4.24	8.14	7.40	7.94	4.82	7.20	5.44	5.53	6.04	4.47	3.77	3.74
26	4.22	10.21	6.85	7.20	4.73	6.87	12.54	5.14	5.13	5.49	3.79	3.75
27	4.23	9.14	5.89	7.47	4.68	9.39	8.03	4.92	4.51	4.72	4.10	3.84
28	4.23	6.79	5.46	6.78	4.66	18.27	6.17	4.75	4.31	4.29	4.09	3.76
29	4.23	5.64	5.22	6.13	4.67	18.54	5.53	4.63	4.21	4.24	3.88	3.73
30	4.23	5.24	5.09	5.77	---	18.07	5.22	4.53	4.15	4.21	3.84	4.58
31	4.35	---	4.99	6.59	---	15.75	---	4.46	---	4.06	3.85	---
MEAN	4.28	5.20	5.67	---	6.41	7.96	8.30	6.36	4.41	4.28	3.93	3.84
MAX	4.45	10.21	10.52	12.74	13.82	18.54	16.89	14.29	6.80	5.49	4.16	4.58
MIN	4.22	4.25	4.52	4.64	4.66	4.71	5.22	4.40	4.01	3.93	3.77	3.73

07377240 LITTLE SANDY CREEK NEAR GREENWELL SPRINGS, LA

LOCATION.--Lat 30°37'36", long 90°59'20", in lot 59, T.5 S., R.2 E., East Baton Rouge Parish, hydrologic Unit 08070202, on downstream side of bridge on Louisiana Highway 409, 0.5 mi (0.8 km) upstream from Sandy Creek, 0.6 mi (1.0 km) downstream from Wind Bayou, and 3.4 (5.5 km) north of the village of Greenwell Springs.

DRAINAGE AREA.--28.2 mi² (73.0 km²).

PERIOD OF RECORD.--October 1974 to current year. Unpublished gage-height records, June to September 1974, available in files of Baton Rouge district office.

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

AVERAGE DISCHARGE.--6 years, 63.0 ft³/s (1.784 m³/s), 30.34 in/yr (771 mm/yr).

REMARKS.--Records poor. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 5,780 ft³/s (164 m³/s) Apr. 22, 1979, maximum gage height, 24.47 ft or 7.458 m (backwater from Amite River) Apr. 21, 1977; minimum discharge, no flow many days each year.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 650 ft³/s (18.4 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 18	0615	766 21.7	17.29 5.270	Apr. 13	2045	2440 69.1	21.31 6.495
Mar. 1	2200	773 21.9	17.32 5.279	Apr. 19	1615	733 20.8	17.14 5.224
Mar. 30	unknown	*3000 85.0	unknown ---	Apr. 26	2045	2520 71.4	21.40 6.523
Apr. 3	0815	1160 32.9	18.86 5.749	May 19	1700	1530 43.3	19.85 6.050

Minimum discharge, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.00	1.5	1.3	1.0	5.1	604	500	6.1	.90	1.0	1.0	.00
2	.01	.11	1.2	.62	4.7	491	800	5.0	.84	.74	.69	.02
3	.03	.02	1.6	.57	4.2	34	1100	4.2	.79	.36	.54	.07
4	.00	.03	.94	.38	3.8	13	467	3.6	.69	.27	.43	.30
5	.00	.05	.58	.20	20	47	58	3.2	.57	.18	.37	1.0
6	.00	.07	1.7	.11	100	41	16	2.8	.41	.09	.26	.30
7	.00	.33	1.6	.24	14	48	15	2.5	.31	.16	.17	.06
8	.00	1.3	1.8	13	5.6	88	131	6.4	.14	3.5	.11	.02
9	.00	2.7	2.0	234	3.8	44	120	69	.04	4.5	.20	.01
10	.00	60	2.2	216	2.7	13	20	8.3	.00	1.7	.25	.00
11	.00	8.7	2.4	392	240	7.2	18	3.8	.00	.65	.14	.00
12	.00	3.1	2.7	485	210	5.1	487	2.3	.00	.10	.10	.00
13	.00	.55	135	142	60	3.9	1910	1.7	.00	.00	.03	.00
14	.00	1.2	465	20	30	2.8	1540	1.4	.00	.00	1.1	.00
15	.00	1.4	148	7.7	17	2.2	550	1.4	.00	.00	2.1	.00
16	.00	1.5	18	50	10	2.1	87	256	.00	.03	.85	.00
17	.00	1.6	8.3	491	5.0	174	15	926	.00	.00	.37	.00
18	.00	1.8	5.7	714	3.5	383	299	797	.00	.00	.02	.00
19	.00	2.0	4.5	281	2.7	74	672	979	.44	.00	.00	.00
20	.00	2.2	3.7	29	2.0	14	456	1100	33	5.0	.00	.00
21	.00	2.1	3.4	12	1.6	51	79	483	250	18	.00	.00
22	.00	6.9	3.5	44	1.2	18	10	20	25	159	.00	.03
23	.00	45	4.7	238	.90	5.5	8.3	5.0	25	99	.00	.09
24	.00	57	25	70	.70	110	7.8	2.9	50	7.9	.00	.15
25	.00	309	27	15	1.3	257	91	2.3	110	3.8	.00	.20
26	.00	300	8.0	74	1.3	167	1650	1.9	12	2.5	.00	15
27	.00	22	4.8	63	1.2	239	1230	1.6	4.4	3.2	.00	3.1
28	.00	5.1	3.8	17	.64	1010	356	1.4	2.8	4.1	.00	1.5
29	.00	3.2	3.3	7.8	31	1600	21	1.3	1.9	4.0	.00	.98
30	.00	2.3	2.4	6.0	---	2400	7.8	1.1	1.3	2.3	.00	2.7
31	.01	---	1.7	5.6	---	2000	---	1.0	---	1.4	.00	---
TOTAL	.05	842.76	895.82	3630.22	783.94	9948.8	12721.9	4701.2	520.53	323.48	8.73	25.53
MEAN	.002	28.1	28.9	117	27.0	321	424	152	17.4	10.4	.28	.85
MAX	.03	309	465	714	240	2400	1910	1100	250	159	2.1	15
MIN	.00	.02	.58	.11	.64	2.1	7.8	1.0	.00	.00	.00	.00
CFSM	.000	1.00	1.03	4.15	.96	11.4	15.0	5.39	.62	.37	.01	.03
IN.	.00	1.11	1.18	4.79	1.03	13.12	16.78	6.20	.69	.43	.01	.03

CAL YR 1979 TOTAL 24671.24 MEAN 67.6 MAX 3990 MIN .00 CFSM 2.40 IN 32.54
WTR YR 1980 TOTAL 34402.96 MEAN 94.0 MAX 2400 MIN .00 CFSM 3.33 IN 45.38

07377240 LITTLE SANDY CREEK NEAR GREENWELL SPRINGS, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.82	7.47	7.26	7.14	7.46	16.11	---	7.62	---	7.06	6.96	---
2	6.83	7.33	7.25	7.10	7.42	14.73	---	7.51	---	7.03	6.92	---
3	6.93	7.33	7.29	7.09	---	8.46	18.66	7.43	---	7.00	6.91	---
4	6.93	7.35	7.22	7.07	---	7.97	14.52	7.37	7.12	6.99	6.90	---
5	6.91	7.37	7.18	7.05	---	8.69	8.88	7.33	7.11	6.98	6.89	---
6	6.89	7.38	7.29	7.04	---	8.60	8.07	7.28	7.09	6.97	6.88	---
7	6.89	7.40	7.28	7.06	---	8.69	8.05	7.26	7.08	6.98	6.87	---
8	6.89	7.42	7.30	7.47	---	9.41	10.06	7.45	7.07	7.32	6.86	---
9	6.87	7.47	7.32	11.73	---	8.66	9.93	9.10	7.05	7.43	6.87	---
10	6.88	8.96	7.34	11.45	---	7.98	8.19	7.77	7.04	7.15	6.88	---
11	6.88	7.84	7.36	13.91	---	7.66	8.13	7.39	7.03	7.04	6.87	---
12	6.89	7.44	7.38	15.12	---	7.46	14.02	7.24	7.03	6.98	6.86	---
13	6.88	7.18	9.99	10.31	---	7.34	20.36	7.18	7.02	6.95	6.85	---
14	6.88	7.25	14.95	8.12	---	7.22	19.65	7.14	7.02	6.93	6.96	---
15	6.89	7.27	10.34	7.71	---	7.16	15.51	7.14	7.02	6.91	7.08	---
16	6.92	7.28	8.16	8.55	---	7.15	9.30	11.76	7.00	6.92	6.94	---
17	6.92	7.29	7.81	14.99	---	10.44	7.97	17.90	7.00	6.94	6.90	---
18	6.93	7.31	7.60	17.02	---	13.93	12.63	17.35	7.01	6.92	6.86	---
19	6.93	7.33	7.48	12.32	---	9.42	16.78	17.56	7.06	6.91	6.84	---
20	6.96	7.35	7.41	8.30	---	8.21	14.70	18.61	7.88	7.35	---	---
21	6.97	7.34	7.38	7.85	---	9.09	9.19	15.19	11.98	7.96	---	---
22	7.04	7.68	7.39	8.43	---	8.35	7.87	---	8.19	10.59	---	---
23	7.06	8.69	7.50	11.81	---	7.79	7.75	---	8.09	9.56	---	6.94
24	6.99	8.91	8.26	9.10	---	9.92	7.72	---	8.77	7.64	---	6.95
25	7.00	12.80	8.36	8.04	---	12.30	9.00	---	9.79	7.27	---	6.95
26	7.02	12.67	7.78	9.16	7.07	11.02	19.80	---	7.88	7.13	---	7.77
27	7.08	8.25	7.51	9.00	7.06	12.09	18.77	---	7.41	7.20	---	7.25
28	7.13	7.63	7.42	8.08	7.00	18.14	13.40	---	7.23	7.29	---	7.09
29	7.17	7.45	7.37	7.71	7.65	---	8.19	---	7.15	7.28	---	7.04
30	7.20	7.36	7.28	7.55	---	---	7.77	---	7.09	7.10	---	7.22
31	7.26	---	7.21	7.51	---	---	---	---	---	7.01	---	---
MEAN	6.96	7.93	7.89	9.38	---	---	---	---	---	7.32	---	---
MAX	7.26	12.80	14.95	17.02	---	---	20.36	18.61	11.98	10.59	---	---
MIN	6.82	7.18	7.18	7.04	---	7.15	7.72	---	7.00	6.91	---	---

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, Hydrologic Unit, 07070202, near center of span on downstream side of bridge on State Highway 67, 1,800 ft (549 m) downstream from Knighton Bayou, and 1.3 mi (2.1 km) northeast of Olive Branch.

DRAINAGE AREA.--145 mi (376 km²).

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

RELATED RECORDS.--WSP 1007: Drainage area.--WSP 1177: 1948, 1949(M):

GAGE.--Water-stage recorder. Datum of gage is 113.65 ft (34.640 m) National Geodetic Vertical Datum of 1929. Aug. 20, 1942, to Oct. 28, 1949, nonrecording gage, Oct. 29, 1949, to Feb. 3, 1964, water-stage recorder at site 1,400 ft (430 m) upstream. Prior to Oct. 1, 1977, at datum 2.00 ft (0.610 m) higher.

REMARKS.--Records good except for periods of no gage-height record, which are fair. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--38 years, 232 ft³/s (6.570 m³/s) 21.73 in/yr (552 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,400 ft³/s (634 m³/s) Apr. 22, 1977; maximum gage height, 23.37 ft (7.123 m), present datum, Mar. 18, 1961; minimum discharge, 28 ft³/s (0.79 m³/s) Oct. 12, 13, 15, 16, 17, 18, 19, 1972; minimum gage height, 1.77 ft (0.539 m) Sept. 23, 1980.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 2,500 ft³/s (71 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 12	1300	4450 126	9.41 2.868	Apr. 13	2045	6060 172	10.74 3.274
Feb. 10	1900	2710 76.7	7.69 2.344	Apr. 26	0145	6370 180	10.98 3.347
Mar. 28	1215	*16900 479	*17.87 5.447	May 17	0300	6850 194	11.32 3.450
Mar. 30	1000	12100 343	14.88 4.535				

Minimum discharge, 44 ft³/s (1.25 m³/s) Nov. 6, 7, 8; minimum gage height, 1.77 ft (0.539 m) Sept. 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	80	73	90	216	345	410	137	84	77	107	62
2	56	56	70	88	147	259	858	128	82	75	76	57
3	55	50	68	89	132	138	1200	227	80	74	67	56
4	55	47	68	88	125	114	439	213	78	72	66	54
5	54	45	67	86	121	142	237	125	76	71	65	57
6	54	44	67	87	124	156	185	111	74	70	67	58
7	56	44	68	88	136	123	184	105	73	71	66	65
8	53	46	67	106	123	248	183	102	72	72	63	71
9	53	49	67	672	1040	179	166	103	71	69	63	67
10	52	118	67	436	2180	140	146	98	70	68	62	57
11	52	267	68	1510	1330	119	135	96	69	67	62	53
12	51	75	69	3470	236	106	1490	94	68	66	61	53
13	51	56	587	1120	166	99	4870	93	67	65	61	52
14	50	51	1270	228	139	93	3870	93	67	65	72	53
15	49	49	924	181	126	88	1110	94	66	64	67	57
16	49	48	190	1130	155	89	274	1850	65	65	65	64
17	48	48	139	1460	174	423	199	5260	65	64	64	52
18	48	48	115	619	136	1160	754	2440	64	64	80	50
19	47	48	103	272	117	867	1830	1430	68	66	66	50
20	47	47	96	187	110	220	1240	1600	113	64	62	50
21	47	46	93	158	104	646	264	661	346	73	61	48
22	66	52	91	176	100	450	187	294	122	98	61	48
23	110	68	95	660	97	173	147	237	854	108	58	48
24	64	115	133	500	94	1230	128	174	553	90	57	49
25	54	517	238	230	91	543	558	134	177	76	56	56
26	50	862	133	200	89	284	4430	116	118	237	57	60
27	48	278	107	250	86	1460	1360	106	94	232	58	57
28	47	106	96	190	86	11600	272	100	87	90	62	53
29	46	86	94	157	93	5890	190	94	83	79	58	52
30	46	78	94	142	---	8620	153	89	80	73	57	117
31	115	---	93	151	---	2300	---	87	---	78	59	---
TOTAL	1730	3524	5510	14821	7873	38304	27469	16491	3986	2603	2006	1726
MEAN	55.8	117	178	478	271	1236	916	532	133	84.0	64.7	57.5
MAX	115	862	1270	3470	2180	11600	4870	5260	854	237	107	117
MIN	46	44	67	86	86	88	128	87	64	64	56	48
CFSM	.39	.81	1.23	3.30	1.87	8.52	6.32	3.67	.92	.58	.45	.40
IN.	.44	.90	1.41	3.80	2.02	9.83	7.05	4.23	1.02	.67	.51	.44

CAL YR 1979 TOTAL 119034 MEAN 326 MAX 15100 MIN 44 CFSM 2.25 IN 30.54
WTR YR 1980 TOTAL 126043 MEAN 344 MAX 11600 MIN 44 CFSM 2.37 IN 32.34

MISSISSIPPI RIVER DELTA

161

07377500 COMITE RIVER NEAR OLIVE BRANCH, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.90	---	1.92	1.91	2.05	3.33	3.56	2.38	2.11	1.94	2.15	1.86
2	1.89	---	1.90	1.90	2.22	2.98	4.71	2.32	2.04	1.93	1.93	1.81
3	1.88	---	1.88	1.89	2.11	2.38	5.45	2.81	2.08	1.91	1.87	1.81
4	1.88	---	1.87	1.88	2.06	2.23	3.62	2.76	2.06	1.90	1.85	1.80
5	1.87	---	1.86	1.86	2.03	2.41	2.88	2.31	2.05	1.89	1.85	1.82
6	1.87	1.79	1.86	1.87	2.06	2.49	2.62	2.22	2.04	1.89	1.87	1.83
7	1.89	1.79	1.86	1.87	2.15	2.30	2.61	2.19	2.03	1.89	1.86	1.89
8	1.86	1.81	1.85	1.94	2.05	2.93	2.61	2.17	2.02	1.89	1.84	1.93
9	1.86	1.83	1.84	4.25	4.82	2.62	2.53	2.17	2.01	1.88	1.83	1.92
10	1.85	2.21	1.84	3.54	7.00	2.40	2.42	2.14	2.01	1.87	1.83	1.83
11	1.86	2.98	1.84	5.73	5.50	2.27	2.36	2.13	2.00	1.86	1.83	1.81
12	1.85	2.03	1.85	8.45	2.90	2.19	5.35	2.12	1.99	1.86	1.82	1.80
13	1.85	1.89	3.76	5.00	2.55	2.14	9.69	2.11	1.98	1.85	1.82	1.79
14	---	1.84	5.62	2.74	2.39	2.09	8.84	2.11	1.98	1.85	1.91	1.80
15	---	1.83	4.79	2.47	2.31	2.05	5.09	2.12	1.98	1.84	1.87	1.85
16	---	1.82	2.62	4.81	2.48	2.06	3.04	5.52	1.97	1.84	1.85	1.90
17	---	1.82	2.32	5.93	2.59	3.33	2.69	10.07	1.97	1.84	1.85	1.80
18	---	1.83	2.16	4.15	2.37	5.39	4.09	7.28	1.96	1.84	1.97	1.79
19	---	1.82	2.07	2.95	2.26	4.64	6.52	5.86	1.99	1.86	1.87	1.79
20	---	1.81	2.02	2.49	2.21	2.82	5.44	6.16	2.26	1.84	1.84	1.79
21	---	1.81	1.99	2.29	2.17	4.21	3.00	4.20	3.34	1.91	1.83	1.79
22	---	1.85	1.97	2.38	2.15	3.61	2.63	3.18	2.35	2.09	1.83	1.78
23	---	1.98	1.99	---	2.12	2.59	2.43	2.95	4.73	2.17	1.82	1.78
24	---	2.31	2.24	---	2.10	5.30	2.32	2.04	3.98	2.04	1.81	1.79
25	---	3.72	2.84	---	2.07	3.70	3.15	2.42	2.59	1.93	1.80	1.85
26	---	4.76	2.24	---	2.06	2.86	9.32	2.32	2.24	2.80	1.80	1.88
27	---	2.97	2.06	---	2.04	5.31	5.61	2.26	2.07	2.81	1.81	1.85
28	---	2.16	1.97	2.50	2.04	14.47	3.05	2.21	2.02	2.04	1.84	1.82
29	---	2.02	1.95	2.29	2.09	10.55	2.64	2.18	1.98	1.90	1.82	1.81
30	---	1.95	1.94	2.19	---	12.52	2.46	2.15	1.96	1.95	1.82	2.23
31	---	---	1.93	2.24	---	6.90	---	2.13	---	1.94	1.83	---
MEAN	---	---	2.29	---	2.61	4.10	4.09	3.15	2.26	1.97	1.86	1.84
MAX	---	4.76	5.62	8.45	7.00	14.47	9.69	10.07	4.73	2.81	2.15	2.23
MIN	---	---	1.84	1.80	2.03	2.05	2.32	2.11	1.96	1.84	1.80	1.78

MISSISSIPPI RIVER DELTA

07377755 WHITE BAYOU EAST DIVERSION CHANNEL NEAR BATON ROUGE, LA

LOCATION.--Lat 30°37'00", long 91°06'55", in SE¼NW¼ lot 16, T.5 S., R.2 E., St. Helena meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on State Highway 67 (Plank Road), 1.0 mi (1.6 km) downstream from point of diversion, 2.6 mi (4.2 km) upstream from mouth, and 6.5 mi (10.5 km) northeast of terminal building at Ryan Airport, at Baton Rouge.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--August 1972 to current year.--Daily-gage heights January 1965 to July 1972 published as "Stewart Swamp diversion canal near Fred, La." by Corps of Engineers, New Orleans district.

GAGE.--Water-stage recorder. Datum of gage is 62.00 ft (18.898 m) National Geodetic Vertical Datum of 1929 (levels by Engineers).

REMARKS.--Records good above 10 ft³/s (0.28 m³/s) and poor below. Records of dissolved oxygen and water temperatures for water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--8 years, 10.9 ft³/s (0.309 m³/s).

EXTREMES FOR PERIOD OF RECORD.-Maximum discharge, 1,550 ft³/s (43.9 m³/s) Apr. 23, 1979. Maximum gage height, 19.08 ft (5.816 m) Apr. 22, 1977 (backwater from Comite River); no flow many days in most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 852 ft³/s (24.1 m³/s) Apr. 13, gage height, 13.48 ft (4.109 m); no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.02	.04	.08	.04	.32	85	.98	.30	.14	.02	.01	.01
2	.02	.01	.07	.04	.18	3.6	276	.17	.14	.02	.01	.01
3	.01	.01	.07	.04	.10	.90	151	.11	.14	.02	.01	.01
4	.01	.00	.06	.06	.08	.63	2.7	.07	.14	.02	.01	.00
5	.01	.00	.05	.06	.10	1.0	.83	.06	.14	.02	.01	.43
6	.01	.00	.04	.08	.14	.70	.38	.06	.14	.02	.01	1.7
7	.01	.00	.08	.08	.10	.63	.38	.06	.14	.10	.01	.24
8	.01	.00	.08	.32	.24	.90	7.9	2.0	.14	.03	.01	.02
9	.01	1.5	.04	48	22	.70	2.6	.80	.14	.02	.01	.02
10	.01	2.7	.08	2.4	4.5	.56	.38	.24	.22	.01	.01	.02
11	.00	.08	.06	82	1.4	.32	.10	.15	.56	.01	.01	.02
12	.00	.02	.06	12	.83	.22	250	.13	.22	.01	.01	.02
13	.00	.02	25	1.5	.50	.22	754	.12	.06	.01	.01	.01
14	.00	.02	16	.76	.38	.10	552	.12	.06	.01	.01	.02
15	.00	.01	3.1	.50	.32	.06	430	.22	.08	.01	.01	.02
16	.00	.01	1.4	94	1.0	.06	90	.67	.08	.01	.01	.01
17	.00	.01	.50	188	1.0	36	20	630	.08	.01	.01	.01
18	.00	.01	.10	21	.70	24	40	163	.08	.15	.01	.01
19	.00	.01	.05	2.5	1.0	1.4	14	37	.98	.02	.01	.01
20	.00	.01	.04	1.1	1.0	.98	.90	138	11	.01	.01	.01
21	.00	.01	.04	.63	1.0	1.4	.60	6.9	36	2.7	.01	.01
22	2.1	.58	.04	5.1	.50	.56	.40	1.0	.14	.50	.01	.02
23	.05	4.4	.05	4.9	.27	.27	.30	.32	.05	.19	.00	.02
24	.02	1.4	1.0	1.6	.22	31	.15	.14	.04	.02	.00	.01
25	.01	113	.38	1.2	.18	16	10	.10	.05	.01	.00	.01
26	.01	8.4	.18	3.0	.14	4.9	50	.06	.03	.01	.00	.02
27	.00	1.9	.06	1.5	.14	15	20	.05	.02	.02	.01	.01
28	.00	.66	.04	.90	.14	581	10	.05	.02	.01	.01	.01
29	.00	.10	.04	.56	7.1	434	5.0	.06	.02	.01	.00	.01
30	.00	.08	.04	.44	---	93	1.0	.10	.02	.01	.00	.85
31	5.0	---	.04	.63	---	2.9	---	.10	---	.01	.01	---
TOTAL	7.31	135.39	48.91	474.94	45.58	1338.01	2691.60	1048.49	51.07	4.02	.25	3.57
MEAN	.24	4.51	1.58	15.3	1.57	43.2	89.7	33.8	1.70	.13	.008	.12
MAX	5.0	113	25	188	22	581	754	630	36	2.7	.01	1.7
MIN	.00	.00	.04	.04	.08	.06	.10	.05	.02	.01	.00	.00
CAL YR 1979	TOTAL	5316.00	MEAN	14.6	MAX	1210	MIN	.00				
WTR YR 1980	TOTAL	5849.14	MEAN	16.0	MAX	754	MIN	.00				

07377755 WHITE BAYOU EAST DIVERSION CHANNEL NEAR BATON ROUGE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.96	4.05	3.99	3.95	4.01	6.90	4.12	---	3.95	3.90	3.85	3.85
2	3.94	3.95	---	3.95	3.98	4.48	8.55	---	3.95	3.89	3.85	3.84
3	3.92	3.92	---	3.95	3.96	4.13	7.80	---	3.95	3.90	3.85	3.82
4	3.92	3.90	---	3.98	3.95	4.08	4.38	---	3.95	3.91	3.86	3.80
5	3.91	3.89	---	3.98	3.96	4.16	4.12	---	3.95	3.91	3.86	3.98
6	3.91	3.87	3.96	3.99	3.97	4.10	4.04	---	3.95	3.91	3.86	4.19
7	3.91	3.87	3.99	3.99	3.96	4.08	4.04	---	3.95	3.94	3.86	4.04
8	3.91	3.87	3.99	4.05	3.99	4.13	4.81	---	3.95	3.95	3.86	3.89
9	3.91	4.07	3.99	6.22	5.58	4.09	4.38	---	3.95	3.90	3.86	3.86
10	3.89	4.39	3.99	4.34	4.58	4.07	4.08	---	3.97	3.86	3.86	3.87
11	3.88	4.09	3.98	6.97	4.19	4.02	4.02	---	4.03	3.86	3.86	3.91
12	3.87	3.98	3.98	5.02	4.09	4.00	8.30	---	3.97	3.86	3.86	3.90
13	3.86	3.94	5.41	4.23	4.03	4.00	12.82	---	3.92	3.86	3.86	3.85
14	3.84	3.93	5.27	4.10	4.00	3.97	11.29	---	3.92	3.85	3.86	3.87
15	3.80	3.90	4.44	4.04	3.99	3.95	---	4.03	3.93	3.85	3.86	3.91
16	3.78	3.90	4.21	6.62	4.14	3.95	---	6.29	3.93	3.85	3.86	3.85
17	3.75	3.89	4.08	8.58	4.14	5.33	---	12.00	3.93	3.85	3.87	3.85
18	3.72	3.89	4.00	5.30	4.07	5.40	---	7.27	3.93	3.93	3.87	3.85
19	3.69	3.89	3.97	4.36	4.13	4.21	---	5.27	4.05	3.88	3.85	3.84
20	3.67	3.89	3.95	4.16	4.13	4.14	---	7.87	4.71	3.87	3.84	3.84
21	3.66	3.89	3.95	4.08	4.13	4.21	---	4.62	5.49	4.27	3.83	3.84
22	4.10	4.10	3.96	4.49	4.05	4.07	---	4.16	4.05	4.13	3.82	3.86
23	4.06	4.58	3.97	4.62	3.98	4.01	---	4.02	4.02	4.05	3.80	3.85
24	3.94	4.24	4.17	4.25	3.97	5.51	---	3.95	3.99	3.92	3.77	3.84
25	3.92	7.42	4.06	4.18	3.96	5.15	---	3.94	4.02	3.87	3.75	3.83
26	3.90	4.92	4.02	4.43	3.95	4.56	---	3.92	3.96	3.87	3.76	3.87
27	3.88	4.29	3.98	4.22	3.95	5.12	---	3.91	3.92	3.92	3.84	3.85
28	3.87	4.10	3.96	4.12	3.95	11.63	---	3.91	3.92	3.88	3.84	3.83
29	3.87	4.00	3.96	4.06	4.33	10.64	---	3.92	3.92	3.86	3.81	3.83
30	3.86	3.99	3.96	4.04	---	6.99	---	3.94	3.91	3.85	3.80	4.16
31	4.58	---	3.95	4.07	---	4.40	---	3.94	---	3.86	3.83	---
MEAN	3.89	4.15	---	4.59	4.11	4.95	---	---	4.03	3.91	3.84	3.89
MAX	4.58	7.42	5.41	8.58	5.58	11.63	12.82	12.00	5.49	4.27	3.87	4.19
MIN	3.66	3.87	---	3.95	3.95	3.95	---	---	3.91	3.85	3.75	3.80

07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA

LOCATION.--Lat 30°38'13", long 91°07'39", at center of E½ lot 39, T.5 S., R.1 E., St. Helena meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on Lower Zachary Road, 1.5 mi (2.4 km) downstream from Indian Bayou, and 2.0 mi (3.2 km) southeast of Zachary.

DRAINAGE AREA.--45 mi² (117 km²), approximately.

PERIOD OF RECORD.--August 1972 to current year. Daily gage heights from January 1965 to July 1972 published as White Bayou near Zachary by Corps of Engineers, New Orleans District.

GAUGE.--Water-stage recorder. Datum of gage is 65.00 ft (19.812 m) National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers).

REMARKS.--Records good above 10 ft³/s (0.28 m³/s) and poor below. Records for dissolved oxygen and water temperatures for water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--8 years, 86.4 ft³/s (2.447 m³/s), 26.08 in/yr (662 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,480 ft³/s (127 m³/s) Apr. 23, 1979, gage height, 23.05 ft (7.026 m); minimum daily, no flow many days in most years.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 1,700 ft³/s (48.1 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Mar. 28	2200	2460 69.7	20.03 6.105	Apr. 26	0900	2720 77.0	20.57 6.270
Apr. 2	1900	1900 53.8	18.40 5.608	May 17	1400	2460 69.7	20.04 6.108
Apr. 14	0200	*3150 89.2	*21.27 6.483				

Minimum discharge, 0.16 ft³/s (0.005 m³/s) Sept. 24, 25; gage height, 3.30 ft (1.006 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11	14	2.7	2.5	10	986	50	12	.98	1.7	1.2	3.8
2	3.8	4.4	2.1	2.2	8.3	237	1040	8.8	.80	1.6	.80	.98
3	1.1	2.1	1.8	1.7	6.3	33	1150	6.7	.98	1.1	.60	.48
4	.56	2.5	1.4	1.7	4.7	20	183	5.5	.80	.80	.44	.28
5	.37	.98	1.3	1.6	4.0	31	38	17	.80	.72	.37	7.3
6	.34	.76	1.2	1.2	4.0	31	22	20	.76	.72	.31	31
7	.31	.76	.98	1.2	3.6	20	42	16	.76	6.5	.28	14
8	.28	.56	.89	.81	3.9	37	123	6.7	.72	19	.25	2.5
9	.25	4.1	.80	977	674	37	44	6.3	.80	2.5	.22	.76
10	.22	9.5	.80	343	526	20	18	2.0	1.1	1.4	.25	.56
11	.22	4.4	.68	896	82	16	10	1.4	.89	.98	.25	.48
12	.22	2.4	.68	671	32	12	1030	1.3	.72	.68	.56	.37
13	.22	1.4	288	73	23	6.9	2620	1.2	.64	.68	8.7	.37
14	.25	.89	583	28	14	4.0	1420	1.1	.64	.52	7.2	.48
15	.25	.72	95	18	11	2.9	147	1.2	.80	.37	2.6	.76
16	.25	.72	31	814	26	2.5	33	653	.72	.31	3.2	.44
17	.25	.72	19	1270	88	555	24	2290	.52	14	20	.37
18	.28	.68	11	557	34	723	306	912	.44	26	7.5	.37
19	.34	.64	7.3	82	19	99	125	506	21	14	3.3	.37
20	.56	.52	5.3	35	13	32	34	1180	326	23	2.0	.34
21	.72	.44	3.9	22	10	262	17	357	774	108	1.2	.31
22	18	5.3	3.4	81	8.1	59	9.5	150	98	227	.98	.25
23	37	32	3.8	418	7.1	22	6.1	60	80	36	.64	.25
24	7.6	32	27	87	5.9	696	3.9	22	203	20	.44	.19
25	2.0	826	34	34	5.1	609	269	12	31	7.7	.37	.19
26	1.4	396	18	117	3.8	133	2500	7.5	13	3.8	.37	.40
27	.89	38	8.3	76	3.2	495	788	4.5	6.5	2.7	.60	27
28	.68	15	5.5	31	2.9	2110	52	2.5	4.2	3.8	.48	6.9
29	.64	6.9	4.5	19	83	1770	27	1.6	2.9	7.6	.37	2.6
30	.56	3.8	3.4	13	---	1020	17	1.4	1.6	6.1	.37	9.8
31	24	---	2.9	12	---	293	---	1.1	---	2.7	2.0	---
TOTAL	114.56	1408.19	1169.63	6767.1	1715.9	10374.3	12148.5	6267.8	1575.07	541.98	67.85	113.90
MEAN	3.70	46.9	37.7	218	59.2	335	405	202	52.5	17.5	2.19	3.80
MAX	37	826	583	1270	674	2110	2620	2290	774	227	20	31
MIN	.22	.44	.68	1.2	2.9	2.5	3.9	1.1	.44	.31	.22	.19
CF5M	.08	1.04	.84	4.84	1.32	7.44	9.00	4.49	1.17	.39	.05	.08
IN.	.09	1.16	.97	5.59	1.42	8.58	10.04	5.18	1.30	.45	.06	.09
CAL YR 1979	TOTAL	34974.76	MEAN	95.8	MAX	4140	MIN	.22	CF5M	2.13	IN	28.91
WTR YR 1980	TOTAL	42264.78	MEAN	115	MAX	2620	MIN	.19	CF5M	2.56	IN	34.94

07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.07	4.22	3.69	3.67	4.09	13.62	5.34	4.16	3.76	3.70	3.62	3.76
2	3.76	3.78	3.64	3.65	4.01	7.74	12.93	4.02	3.74	3.69	3.57	3.52
3	3.54	3.62	3.62	3.61	3.91	4.91	14.52	3.92	3.76	3.63	3.52	3.42
4	3.45	3.65	3.58	3.61	3.83	4.50	7.17	3.86	3.74	3.60	3.48	3.36
5	3.40	3.51	3.57	3.60	3.79	4.87	5.06	4.31	3.74	3.58	3.46	3.77
6	3.39	3.48	3.55	3.56	3.79	4.85	4.57	4.43	3.73	3.58	3.44	4.64
7	3.38	3.48	3.53	3.55	3.76	4.52	5.03	4.31	3.73	3.80	3.43	4.17
8	3.37	3.43	3.52	4.80	3.76	5.02	6.57	3.92	3.72	4.44	3.42	3.64
9	3.36	3.62	3.51	13.57	11.37	5.02	5.17	3.90	3.74	3.76	3.41	3.47
10	3.35	4.00	3.51	8.79	10.42	4.52	4.46	---	3.77	3.67	3.42	3.42
11	3.35	3.78	3.48	12.84	5.90	4.37	4.16	---	3.75	3.62	3.42	3.40
12	3.35	3.64	3.48	11.60	4.81	4.22	12.51	---	3.72	3.57	3.51	3.37
13	3.35	3.56	7.35	5.70	4.54	4.02	20.29	---	3.70	3.57	3.96	3.37
14	3.36	3.50	11.01	4.68	4.24	3.87	15.99	3.54	3.70	3.53	4.00	3.39
15	3.36	3.47	6.06	4.37	4.12	3.79	6.74	3.56	3.74	3.49	3.73	3.47
16	3.36	3.47	4.78	11.44	4.62	3.76	4.92	10.31	3.72	3.47	3.77	3.39
17	3.36	3.47	4.40	15.20	6.05	9.44	4.63	19.61	3.67	4.03	4.46	3.37
18	3.37	3.46	4.11	10.71	4.80	11.96	8.74	12.70	3.65	4.73	4.00	3.37
19	3.39	3.45	3.95	5.90	4.35	6.10	6.62	9.77	4.48	4.29	3.77	3.37
20	3.45	3.42	3.85	4.89	4.16	4.88	4.95	14.68	8.60	4.62	3.67	3.36
21	3.49	3.40	3.77	4.51	4.04	8.28	4.42	8.81	12.27	5.77	3.59	3.35
22	4.12	3.77	3.74	5.40	3.95	5.48	4.14	7.04	6.07	7.83	3.56	3.33
23	4.89	4.74	3.76	9.75	3.90	4.59	3.98	5.52	5.65	4.97	3.50	3.33
24	3.94	4.80	4.61	5.96	3.84	11.02	3.86	4.72	7.54	4.47	3.44	3.31
25	3.61	10.44	4.85	4.86	3.80	10.97	6.08	4.38	4.85	4.03	3.42	3.31
26	3.56	9.35	4.35	6.51	3.72	6.58	20.12	4.19	4.27	3.82	3.42	3.38
27	3.50	4.96	4.00	5.83	3.68	10.28	11.80	4.04	4.00	3.75	3.47	4.60
28	3.46	4.27	3.86	4.78	3.66	18.83	5.33	3.90	3.88	3.82	3.44	3.90
29	3.45	3.93	3.81	4.40	4.72	---	4.65	3.83	3.79	4.02	3.41	3.65
30	3.43	3.76	3.74	4.19	---	13.77	4.34	3.81	3.69	3.95	3.40	4.02
31	4.49	---	3.70	4.16	---	8.24	---	3.77	---	3.75	3.54	---
MEAN	3.57	4.18	4.27	6.45	4.68	---	7.64	---	4.54	4.08	3.59	3.57
MAX	4.89	10.44	11.01	15.20	11.37	18.83	20.29	19.61	12.27	7.83	4.46	4.64
MIN	3.35	3.40	3.48	3.55	3.66	3.76	3.86	---	3.65	3.47	3.40	3.31

MISSISSIPPI RIVER DELTA

07377842 WHITE BAYOU NEAR BAKER, LA

LOCATION.--Lat 30°34'45", long 91°07'18", in NW¼SW¼ lot 28, T.5 S., R.1 E., St. Helena meridian, East Baton Rouge Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on Pettit Road, 0.1 mi (0.2 km) upstream from pipeline crossing, 0.6 mi (1.0 km) downstream from State Highway 67, and 2.8 mi (4.5 km) east of Baker.

DRAINAGE AREA.--Indeterminate.

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

GAGE.--Water-stage recorder. Altitude of gage is 60 ft or 18 m (approximately), from topographic map.

REMARKS.--Records poor. Records of dissolved oxygen and water temperatures for water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--8 years, 12.9 ft³/s (0.365 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 661 ft³/s (18.7 m³/s) Apr. 23, 1977, gage height, 17.25 ft (5.258 m), backwater from Comite River; maximum gage height unaffected by backwater, 15.29 ft (4.660 m) Mar. 24, 1973; no flow many days in most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 535 ft³/s (15.2 m³/s) Apr. 13, gage height, 14.00 ft (4.267 m); minimum daily, 0.12 ft³/s (0.003 m³/s) July 12-16.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	.62	.46	.48	1.2	151	3.3	.94	.48	.26	.32	.36
2	.50	.38	.46	.48	1.1	22	214	.88	.44	.24	.28	.30
3	.40	.48	.44	.46	1.0	4.2	186	.79	.40	.22	.22	.38
4	.48	.36	.40	.46	.91	2.0	18	.73	.38	.22	.18	.24
5	.36	.32	.40	.44	.82	2.9	3.9	.67	.36	.22	.18	12
6	.34	.40	.40	.44	.73	2.4	1.7	.60	.32	.20	.18	41
7	.32	.38	.38	.46	.67	2.4	1.7	.56	.28	.29	.16	34
8	.30	.36	.38	2.2	.70	3.0	73	3.6	.26	1.4	.16	1.5
9	.28	8.3	.36	25	49	2.2	25	2.6	.20	.44	.16	.54
10	.26	32	.36	9.2	18	1.5	3.5	.88	.20	.22	.16	.26
11	.24	.62	.34	91	4.7	.94	1.5	.76	.20	.14	.16	.22
12	.22	.54	.34	26	2.2	.76	208	.67	.18	.12	.16	.22
13	.20	.50	83	7.3	1.4	.70	455	.52	.18	.12	.18	.16
14	.18	.34	85	3.7	1.1	.62	280	.54	.18	.12	.18	.16
15	.18	.46	7.4	2.3	1.0	.56	81	.54	.16	.12	.24	.18
16	.16	.44	1.6	38	5.7	.54	3.6	136	.16	.12	.36	.22
17	.16	.44	.88	109	6.5	18	3.4	286	.14	.14	.56	5.7
18	.14	.42	.64	61	2.2	30	46	155	.18	.24	1.0	2.4
19	.14	.40	.60	13	1.4	4.4	10	62	5.4	.62	.54	.52
20	.14	.38	.54	5.1	1.2	1.9	2.5	87	60	.32	.38	.30
21	.14	.36	.50	2.9	.97	2.7	1.4	16	75	39	.30	.16
22	7.1	1.0	.46	33	1.0	1.8	.88	5.8	4.1	38	.20	.34
23	5.8	19	.46	60	.94	.94	.60	2.7	1.5	4.4	.14	.22
24	.60	8.3	2.9	8.4	.88	27	.50	1.5	1.0	1.8	.22	.24
25	.52	168	1.8	3.5	.82	8.1	58	1.1	.44	.67	.22	.32
26	.48	65	.79	14	.73	25	257	.85	.36	.58	.33	.26
27	.44	1.6	.54	7.2	.85	48	107	.70	.32	.38	1.2	.22
28	.28	.54	.50	2.9	.76	224	7.1	.67	.28	.34	.52	.26
29	.40	.54	.50	1.8	22	198	1.6	.62	.28	.32	.30	.26
30	.38	.48	.48	1.4	---	160	1.1	.58	.26	.24	.20	25
31	22	---	.48	1.4	---	15	---	.54	---	.28	.20	---
TOTAL	46.24	312.96	193.79	532.52	130.48	962.56	2056.28	772.34	153.64	91.78	9.59	127.94
MEAN	1.49	10.4	6.25	17.2	4.50	31.1	68.5	24.9	5.12	2.96	.31	4.26
MAX	22	168	85	109	49	224	455	286	75	39	1.2	41
MIN	.14	.32	.34	.44	.67	.54	.50	.52	.14	.12	.14	.16
CAL YR 1979	TOTAL	4994.28	MEAN	13.7	MAX	494	MIN	.14				
WIK YR 1980	TOTAL	5390.12	MEAN	14.7	MAX	455	MIN	.12				

07377842 WHITE BAYOU NEAR BAKER, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.51	4.27	4.23	4.15	3.76	8.64	4.10	3.68	---	---	3.50	3.52
2	3.81	4.19	4.27	4.11	3.73	5.07	9.30	3.73	---	---	3.48	3.49
3	3.72	4.26	4.32	4.11	3.70	4.18	9.30	3.75	---	3.45	3.45	3.53
4	3.75	4.35	4.37	4.13	3.67	3.94	4.92	3.79	---	3.45	3.43	3.46
5	3.82	4.39	4.42	4.15	3.64	4.06	4.15	3.81	---	3.45	3.43	4.27
6	3.86	4.44	4.44	4.16	3.68	4.00	3.88	3.78	---	3.44	3.43	5.68
7	3.92	4.48	4.44	4.21	3.70	3.99	3.88	3.79	---	3.48	3.42	5.43
8	3.97	4.54	4.43	4.32	3.79	4.07	6.42	4.08	---	3.88	3.42	3.89
9	4.02	4.86	4.48	5.35	6.00	3.97	5.17	4.11	3.34	3.56	3.42	3.63
10	4.05	5.78	4.52	4.51	4.97	3.83	4.12	3.80	3.34	3.45	3.42	3.49
11	4.09	4.62	4.54	7.12	4.24	3.68	3.84	3.62	3.34	3.41	3.42	3.47
12	4.12	4.29	4.57	5.21	3.96	3.62	9.14	3.61	3.33	3.40	3.42	3.47
13	4.15	4.20	6.95	4.35	3.82	3.60	13.18	3.64	3.33	3.40	3.43	3.44
14	4.19	4.24	7.06	4.05	3.73	3.57	11.10	3.68	3.33	3.40	3.43	3.44
15	4.23	4.28	4.91	3.88	3.70	3.54	6.76	3.70	3.32	3.40	3.46	3.45
16	4.27	4.32	4.42	5.39	4.21	3.53	4.12	8.03	3.32	3.40	3.52	3.47
17	4.32	4.32	4.20	7.59	4.36	4.54	3.98	11.32	3.31	3.41	3.62	4.07
18	4.35	4.34	4.09	6.32	3.97	5.38	5.96	8.70	3.33	3.46	3.78	3.99
19	4.36	4.39	4.04	4.63	3.82	4.19	4.56	6.25	3.71	3.65	3.61	3.62
20	4.42	4.45	4.08	4.17	3.76	3.92	4.01	7.03	6.26	3.50	3.53	3.51
21	4.44	4.50	4.16	3.96	3.69	4.04	3.82	4.85	6.67	5.10	3.49	3.44
22	4.89	4.72	4.22	4.95	3.71	3.89	3.66	4.31	4.17	5.69	3.44	3.53
23	4.63	5.50	4.23	6.27	3.68	3.68	3.56	4.04	3.92	4.16	3.41	3.47
24	3.96	5.12	4.58	4.47	3.66	5.19	3.51	3.84	3.79	3.97	3.45	3.48
25	4.12	9.07	4.39	4.13	3.64	4.43	5.17	3.74	3.56	3.67	3.45	3.52
26	4.28	6.57	4.09	4.02	3.61	5.04	10.74	3.65	3.52	3.58	3.50	3.49
27	4.34	4.58	3.95	4.40	3.65	6.02	7.52	3.60	3.50	3.53	3.82	3.47
28	4.39	4.17	3.86	4.06	3.62	10.33	4.35	3.59	3.48	3.51	3.60	3.49
29	4.46	4.21	3.86	3.89	4.41	9.74	3.85	3.57	---	3.50	3.49	3.49
30	4.52	4.24	4.05	3.80	---	8.82	3.73	3.55	---	3.46	3.44	5.19
31	5.39	---	4.17	3.82	---	4.80	---	---	---	3.48	3.44	---
MEAN	4.24	4.72	4.46	4.63	3.93	4.88	5.73	---	---	---	3.49	3.76
MAX	5.39	9.07	7.06	7.59	6.00	10.33	13.18	11.32	6.67	5.69	3.82	5.68
MIN	3.72	4.17	3.86	3.80	3.61	3.53	3.51	---	---	3.40	3.41	3.44

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, Hydrologic Unit 08070202, 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.

REVISED RECORDS.--WSP 1920: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 23.85 ft (7.269 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works). Prior to Apr. 22, 1946, nonrecording gage at same site. Prior to Oct. 1, 1962, at datum 5.00 ft (1.524 m) higher. Prior to Oct. 1, 1978, at datum 2.00 ft (0.610 m) higher.

REMARKS.--Records fair. Since 1957, considerable flow from 46 mi² (119 km²) diverted from basin. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--36 years, 468 ft³/s (13.25 m³/s), 22.38 in/yr (568 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,100 ft³/s (683 m³/s) Apr. 23, 1977; maximum gage height, 30.64 ft (9.339 m) May 19, 1953, present datum (prior to dredging August 1961); minimum discharge, 28 ft³/s (0.79 m³/s) Aug. 1, 1977.

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)		Date	Time	Discharge (ft ³ /s) (m ³ /s)		Gage height (ft) (m)	
Jan. 17	1715	5580	158	13.83	4.215	Apr. 14	0145	19700	558	22.96	6.990
Mar. 29	1000	*20700	586	*23.46	7.151	Apr. 26	1600	13300	377	19.73	6.014
Apr. 2	1945	9980	283	17.59	5.361	May 17	1630	15200	430	20.69	6.300

Minimum discharge, 57 ft³/s (1.61 m³/s) Oct. 21, gage height, 1.57 ft (0.479 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	89	98	107	94	217	2780	2040	232	130	104	233	91
2	76	109	98	91	248	880	5920	190	125	102	126	85
3	71	76	94	87	186	349	6210	170	122	101	100	82
4	70	63	90	86	165	258	1650	366	121	98	89	80
5	68	60	89	85	155	278	706	205	119	96	85	78
6	67	59	87	83	147	339	460	144	116	95	87	80
7	66	59	86	83	160	407	330	131	113	109	89	88
8	69	59	84	98	161	388	900	132	111	167	88	92
9	66	66	82	1340	1190	388	530	259	110	107	86	88
10	64	208	80	1310	2820	304	400	129	107	97	84	84
11	65	289	79	2340	2270	251	320	113	103	93	90	78
12	65	199	78	4290	743	196	5370	109	100	92	101	76
13	65	101	766	2720	383	164	16900	109	96	91	84	74
14	64	81	2530	633	276	147	14800	108	94	90	110	76
15	63	74	1560	359	234	135	5000	109	94	88	95	80
16	63	71	582	1070	248	128	1650	1700	91	89	89	84
17	63	70	256	4670	424	600	661	12400	94	94	86	78
18	62	73	184	2510	312	2260	1040	7890	100	98	92	74
19	61	70	147	859	228	1600	2660	3040	137	98	105	72
20	60	68	128	455	195	623	2150	4580	784	135	89	72
21	59	67	116	323	172	828	833	2030	1800	326	83	71
22	77	99	111	440	155	1020	404	783	420	781	81	70
23	117	240	106	1410	145	415	340	544	504	296	80	69
24	69	229	147	1170	136	1750	300	357	1080	175	79	74
25	63	1970	291	469	128	1980	400	270	549	113	78	75
26	60	1680	247	456	122	950	8370	230	192	97	77	86
27	59	790	148	662	117	1520	6540	200	136	297	78	100
28	59	236	118	374	115	12400	1320	180	114	187	78	83
29	58	146	105	287	277	19900	440	160	109	110	80	76
30	58	120	100	233	---	13900	305	150	105	96	77	321
31	172	---	98	219	---	8360	---	140	---	310	77	---
TOTAL	2188	7530	8794	29306	12189	75498	88949	37160	7876	4832	2876	2636
MEAN	70.6	251	284	945	420	2435	2965	1199	263	156	92.8	87.9
MAX	172	1970	2530	4670	2820	19900	16900	12400	1800	781	233	321
MIN	58	59	78	83	115	128	300	108	91	88	77	69
CFSM	.25	.68	1.00	3.33	1.48	8.57	10.4	4.22	.93	.55	.33	.31
IN.	.29	.99	1.15	3.84	1.60	9.89	11.65	4.87	1.03	.63	.38	.35

CAL YR 1979 TOTAL 245661 MEAN 673 MAX 22800 MIN 58 CFSM 2.37 IN 32.18
WTR YR 1980 TOTAL 279834 MEAN 765 MAX 19900 MIN 58 CFSM 2.69 IN 36.65

07378000 COMITE RIVER NEAR COMITE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.85	1.93	1.98	1.86	2.59	9.73	10.36	2.71	---	2.21	2.97	2.27
2	1.74	2.02	1.91	1.84	2.45	4.88	13.04	2.52	---	2.20	2.48	2.22
3	1.70	1.74	1.87	1.81	2.15	2.89	14.13	2.41	2.11	2.19	2.30	---
4	1.68	1.63	1.84	1.79	2.04	2.47	6.91	3.23	2.10	2.17	2.21	---
5	1.67	1.60	1.82	1.78	1.99	2.56	4.41	2.58	2.09	2.16	2.18	---
6	1.66	1.59	1.80	1.76	1.94	2.84	---	2.26	2.07	2.14	2.20	---
7	1.65	1.59	1.79	1.77	2.02	3.14	---	2.17	2.05	2.23	2.21	---
8	1.68	1.60	1.77	1.69	2.02	3.07	---	2.17	2.04	2.60	2.20	---
9	1.65	1.65	1.75	6.08	5.44	3.07	---	2.79	2.03	2.23	2.19	---
10	1.64	2.59	1.74	6.12	10.00	2.67	---	2.15	2.00	2.16	2.18	---
11	1.64	2.89	1.74	8.58	8.63	2.45	---	2.05	1.98	2.13	2.22	---
12	1.65	2.55	1.72	12.40	4.48	2.21	11.32	2.02	1.95	2.12	2.31	---
13	1.64	1.95	4.15	9.48	3.11	2.04	21.49	2.02	1.93	2.11	2.18	---
14	1.64	1.78	9.29	4.09	2.61	1.94	20.43	2.01	1.91	2.10	2.36	---
15	1.63	1.72	6.82	3.00	2.39	1.87	12.84	2.02	1.91	2.09	2.26	---
16	1.63	1.69	4.00	5.05	2.46	1.82	7.05	6.70	1.88	2.09	2.22	---
17	1.63	1.67	2.83	12.82	3.30	3.55	4.26	18.85	1.91	2.13	2.20	---
18	1.62	1.70	2.48	9.03	2.79	8.63	5.36	15.62	1.95	2.17	2.25	---
19	1.61	1.67	2.26	4.87	2.37	6.51	9.60	10.38	2.15	2.17	2.35	---
20	1.60	1.65	2.13	3.42	2.21	3.61	8.33	12.71	4.58	2.41	2.23	---
21	1.59	1.64	2.04	2.83	2.10	4.22	4.73	7.99	7.43	3.06	2.19	---
22	1.75	1.90	2.00	3.24	2.00	4.79	3.37	4.65	3.55	4.68	2.17	2.18
23	2.08	2.73	1.97	6.43	1.94	2.96	---	3.86	3.72	3.21	2.17	2.18
24	1.68	2.70	2.26	5.76	1.88	6.74	---	3.20	5.54	2.75	2.16	2.22
25	1.63	7.77	2.95	3.48	1.83	7.55	---	---	3.96	2.39	2.15	2.23
26	1.60	7.11	2.78	3.42	1.79	4.58	15.86	---	2.73	2.28	2.14	2.32
27	1.59	4.66	2.27	4.28	1.76	5.67	14.28	---	2.43	3.20	2.16	2.43
28	1.59	2.73	2.06	3.26	1.74	18.86	6.11	---	2.28	2.78	2.17	2.29
29	1.59	2.26	1.96	2.65	2.36	23.13	---	---	2.25	2.38	2.18	2.23
30	1.58	2.07	1.92	2.37	---	21.37	3.00	---	2.22	2.27	2.17	3.32
31	2.37	---	1.90	2.30	---	18.22	---	---	---	3.01	2.17	---
MEAN	1.69	2.43	2.57	4.50	2.91	6.13	---	---	---	2.45	2.24	---
MAX	2.37	7.77	9.29	12.82	10.00	23.13	21.49	18.85	7.43	4.68	2.97	---
MIN	1.58	1.59	1.72	1.76	1.74	1.82	---	2.01	1.88	2.09	2.14	---

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, East Baton Rouge-Livingston Parish line, Hydrologic Unit 08070202, on 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.

REVISED RECORDS.--WSP 1920: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Sept. 1, 1938, to Aug. 8, 1939, non-recording gage at same site. Prior to Oct. 1, 1977, at datum 3.87 ft (1.180 m) higher. Water-stage recorder for Amite River at 4-H Camp, near Denham Springs (station 07378510) used as auxiliary gage for this station.

REMARKS.--Records good. Since 1957, considerable flow from 46 mi² (119 km²) diverted from basin. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--42 years, 1996 ft³/s (56.53 m³/s), 21.18 in/yr (538 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 110,000 ft³/s (3,120 m³/s) Apr. 23, 1977, gage height, 41.08 ft (12.521 m), present datum; minimum daily discharge, 271 ft³/s (767 m³/s) Oct. 17, 18, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharges above base of 10,000 ft³/s (280 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 13	1015	17500 496	26.37 8.038	Apr. 14	1830	44200 1250	32.25 9.830
Jan. 18	1030	14500 411	25.52 7.778	Apr. 20	1000	12800 362	24.98 7.614
Feb. 11	2245	14800 419	25.63 7.812	Apr. 27	0945	37200 1050	30.83 9.397
Mar. 30	0730	*64200 1820	*35.96 10.961	May 18	1215	32600 923	29.91 9.117

Minimum discharge, 595 ft³/s (16.85 m³/s) Sept. 26; minimum gage height, 10.95 ft (3.338 m) Nov. 8..

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	720	715	1160	1010	2230	6130	35900	2310	1080	776	1100	677
2	708	760	1040	964	2910	6040	22700	1970	1030	751	736	706
3	698	725	960	924	2260	3250	22600	1870	983	734	693	640
4	689	662	902	898	1850	1850	17000	2320	944	717	675	631
5	676	635	863	869	1660	1700	10400	2020	910	705	670	854
6	668	622	837	846	1560	1760	7400	1660	879	695	671	926
7	666	617	811	840	1540	2210	5600	1490	854	731	664	1140
8	666	616	791	831	1520	3050	4400	1400	831	937	661	755
9	659	626	775	2030	2300	2730	3400	1640	807	751	668	690
10	652	862	761	4670	7440	2220	2680	1400	785	833	649	668
11	645	1000	749	5590	13200	1850	2320	1270	771	749	662	647
12	644	1150	745	11700	13600	1560	7440	1210	757	683	712	632
13	642	940	1630	16500	9750	1320	25800	1180	745	655	679	618
14	639	840	5660	11300	4240	1170	40000	1160	734	637	762	624
15	635	780	7530	4870	2390	1080	37200	1150	726	622	705	703
16	634	740	5840	2900	1960	1020	23900	3460	717	637	700	635
17	632	700	3220	7370	2080	1470	12700	17500	714	680	690	750
18	630	680	1990	13800	1930	5460	6110	30500	727	658	687	688
19	629	650	1580	12600	1730	8530	8650	24900	781	646	696	631
20	627	650	1350	8980	1580	7840	12100	25400	1960	678	675	624
21	627	640	1210	4600	1390	4610	7840	19700	4450	830	662	631
22	655	660	1130	2920	1300	4960	3850	12300	2000	1770	655	672
23	740	950	1120	4390	1220	4470	2500	6400	1270	1820	648	604
24	652	1300	1380	5900	1150	3800	2090	4140	2630	1290	644	665
25	635	2500	2060	5500	1090	7300	1870	2910	3140	1120	640	601
26	629	5650	2500	4030	1030	6040	11300	2180	2100	878	657	612
27	620	5540	2030	3590	984	5520	29500	1780	1440	1280	673	640
28	620	3970	1500	3380	954	16100	17500	1540	1050	1190	669	628
29	619	2160	1250	2680	1050	40200	6380	1360	906	810	721	610
30	618	1400	1120	2210	---	62500	3270	1240	813	735	667	1520
31	750	---	1060	1950	---	57100	---	1150	---	792	671	---
TOTAL	20324	39740	55554	150642	87898	274840	394400	180510	37534	26790	21462	21422
MEAN	656	1325	1792	4859	3031	8866	13150	5823	1251	864	692	714
MAX	750	5650	7530	16500	13600	62500	40000	30500	4450	1820	1100	1520
MIN	618	616	745	831	954	1020	1870	1150	714	622	640	601
CFSM	.51	1.04	1.40	3.80	2.37	6.93	10.3	4.55	.98	.68	.54	.56
IN.	.59	1.15	1.61	4.38	2.55	7.99	11.46	5.25	1.09	.78	.62	.62

CAL YR 1979 TOTAL 1167524 MEAN 3199 MAX 66600 MIN 616 CFSM 2.50 IN 33.93
WTR YR 1980 TOTAL 1311116 MEAN 3582 MAX 62500 MIN 601 CFSM 2.80 IN 38.10

MISSISSIPPI RIVER DELTA

171

07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11.36	11.36	12.63	12.24	14.69	21.37	31.30	15.40	13.28	12.43	13.18	11.54
2	11.31	11.54	12.32	12.12	16.17	21.40	28.05	14.74	13.15	12.34	12.15	11.65
3	11.27	11.40	12.11	12.01	14.74	16.85	27.73	14.53	13.02	12.27	11.95	11.39
4	11.24	11.15	11.95	11.94	13.85	14.17	26.25	15.42	12.91	12.20	11.86	11.35
5	11.18	11.04	11.84	11.86	13.41	13.88	24.12	14.83	12.82	12.15	11.82	12.09
6	11.15	10.99	11.77	11.80	13.16	13.99	---	14.08	12.73	12.11	11.80	12.40
7	11.14	10.97	11.70	11.78	13.09	14.88	---	13.66	12.66	12.22	11.75	13.01
8	11.14	10.96	11.64	11.75	13.05	16.53	---	13.44	12.59	---	11.71	11.83
9	11.12	11.00	11.59	14.40	14.77	15.93	---	14.01	12.53	---	11.72	11.58
10	11.10	11.82	11.54	19.37	22.32	14.92	16.20	13.44	12.47	---	11.62	11.49
11	11.07	---	11.50	20.71	25.17	14.16	15.51	13.06	12.41	---	11.66	11.41
12	11.07	---	11.48	24.57	25.29	13.62	20.53	12.91	12.36	---	11.83	11.34
13	11.06	---	13.49	26.17	23.81	13.15	28.49	12.80	12.31	---	11.68	11.28
14	11.05	---	20.82	24.44	18.93	12.82	31.71	12.75	12.27	---	11.99	11.31
15	11.03	---	22.82	19.91	15.43	12.61	31.13	12.72	12.24	11.82	11.74	11.62
16	11.03	---	21.10	16.23	14.71	12.45	28.48	17.12	12.20	11.88	---	11.35
17	11.02	---	16.82	21.97	15.00	13.38	25.05	26.23	12.19	12.05	---	11.78
18	11.01	---	14.44	25.36	14.77	20.52	21.48	29.61	12.24	11.96	11.60	11.56
19	11.01	---	13.60	24.94	14.01	23.34	23.25	28.51	12.43	11.91	11.63	11.32
20	11.00	---	13.10	23.49	13.65	22.87	24.79	28.44	15.10	12.04	11.55	11.30
21	11.00	---	12.77	19.20	13.29	19.33	22.71	27.12	19.04	12.50	11.50	11.33
22	11.11	---	12.58	16.19	13.10	19.86	18.13	24.81	15.14	14.80	11.46	11.49
23	11.45	---	12.55	18.90	12.93	19.11	15.88	21.68	13.72	14.86	11.43	11.21
24	11.10	---	13.15	21.27	12.77	18.06	15.06	18.57	16.30	13.73	11.42	11.46
25	11.03	---	14.59	20.69	12.62	22.61	14.56	16.74	17.10	13.33	11.49	11.21
26	11.01	20.91	15.49	18.28	12.48	21.45	23.49	15.56	15.42	12.66	11.47	11.25
27	10.98	20.74	14.52	17.52	12.37	20.73	29.39	14.83	14.12	13.64	11.53	11.36
28	10.98	18.16	13.43	17.06	12.27	25.80	26.75	14.34	13.19	13.46	11.51	11.31
29	10.97	14.78	12.87	15.67	12.46	31.59	21.18	13.96	12.80	12.46	11.71	11.24
30	10.97	13.22	12.55	14.63	---	35.77	17.09	13.67	12.57	12.19	11.50	13.72
31	11.48	---	12.39	14.07	---	35.18	---	13.45	---	12.33	11.51	---
MEAN	11.11	---	13.71	17.76	15.32	19.11	---	17.18	13.44	---	---	11.61
MAX	11.48	20.91	22.82	26.17	25.29	35.77	31.71	29.61	19.04	14.86	13.18	13.72
MIN	10.97	10.96	11.48	11.75	12.27	12.45	14.56	12.72	12.19	11.82	11.40	11.21

07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°26'30", long 90°58'20", in lot 41, T.7 S., R.2 E., St. Helena meridian, Livingston Parish, Hydrologic Unit 08070202, on left bank, 3.0 mi (4.8 km) downstream from gaging station Amite River near Denham Springs (station 07378500), 3.0 mi (4.8 km) southwest of town of Denham Springs, and 3.2 mi (5.1 km) downstream from Comite River.

DRAINAGE AREA.--1,290 mi² (3,340 km²), approximately.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1973 to September 1975, February 1977 to current year (elevations only). Unpublished records, October 1945 to September 1973, available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to Dec. 23, 1952, nonrecording gage at same site. Prior to Oct. 1, 1977, at datum 3.12 ft (0.951 m) higher.

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 38.21 ft (11.646 m), present datum, Apr. 23, 1977; minimum, 6.02 ft (1.835 m), present datum, Nov. 4-6, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum elevations, 33.51 ft (10.214 m) Mar. 30; minimum, 6.37 ft (1.942 m) Oct. 27-31, Nov. 8, 9.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.75	6.44	6.25	7.16	10.63	16.59	29.24	11.57	9.31	8.23	9.08	7.31
2	6.72	6.90	7.44	7.61	12.32	17.98	25.85	10.87	9.19	8.14	7.98	7.46
3	6.56	6.40	7.54	7.47	11.04	13.91	25.30	10.60	9.07	8.08	7.80	7.21
4	6.63	6.60	7.38	7.38	10.00	10.43	23.74	11.39	8.96	8.01	7.71	7.15
5	6.58	6.46	7.24	7.30	9.48	9.97	21.24	10.95	8.86	7.97	7.68	7.14
6	6.54	6.41	7.14	7.23	9.18	10.02	17.74	10.23	8.77	7.93	7.68	6.31
7	6.53	6.38	7.05	7.20	9.07	10.72	13.73	9.86	8.69	7.98	7.61	6.77
8	6.53	6.37	7.00	7.16	9.06	12.79	14.06	9.61	8.62	8.69	7.57	7.66
9	6.51	6.41	6.94	9.61	10.44	12.07	15.45	10.04	8.55	8.12	7.57	7.37
10	6.48	7.24	6.48	15.04	17.55	11.10	12.48	9.60	8.49	8.31	7.50	7.27
11	6.45	7.16	6.83	16.54	21.33	10.24	11.80	9.23	8.44	8.17	7.49	7.21
12	6.44	8.56	6.41	20.08	22.17	9.66	15.98	9.08	8.37	7.92	7.67	7.14
13	6.43	7.46	8.57	22.68	20.98	9.14	25.37	8.96	8.32	7.82	7.50	7.64
14	6.43	6.42	16.02	21.63	16.65	8.77	29.19	8.88	8.26	7.79	7.79	7.07
15	6.42	6.64	18.67	17.61	11.97	8.53	28.96	8.83	8.23	7.70	7.63	7.39
16	6.41	6.58	17.45	12.70	10.84	8.34	26.31	13.01	8.18	7.71	7.83	7.13
17	6.40	6.53	13.65	17.20	11.05	9.03	22.70	22.11	8.15	7.90	7.57	7.48
18	6.39	6.51	10.44	21.65	10.93	15.86	18.88	26.97	8.14	7.79	7.45	7.43
19	6.39	6.50	9.37	21.72	10.11	19.22	19.14	26.16	8.23	7.77	7.45	7.11
20	6.38	6.48	8.78	20.48	9.71	19.66	21.15	25.91	10.76	7.90	7.39	7.08
21	6.38	6.45	8.39	16.63	9.31	16.43	19.89	24.70	14.98	8.20	7.33	7.07
22	6.43	6.72	8.14	12.52	9.09	15.89	15.35	22.22	11.53	10.56	7.30	7.30
23	6.41	7.96	8.09	14.65	8.90	15.64	12.14	19.19	9.36	10.76	7.29	7.01
24	6.53	8.73	8.69	17.09	8.71	14.15	11.19	15.52	11.96	9.62	7.27	7.22
25	6.43	13.53	10.16	17.10	8.56	18.30	10.68	13.02	13.10	9.14	7.25	6.99
26	6.42	16.74	11.35	14.42	8.38	18.21	18.45	11.59	11.41	8.48	7.28	7.01
27	6.38	17.03	10.48	13.57	8.28	17.31	26.53	10.80	9.98	9.24	7.37	7.12
28	6.37	14.79	9.22	13.28	8.16	21.85	24.60	10.30	8.97	9.44	7.29	7.06
29	6.37	11.03	8.54	11.44	8.20	28.72	19.92	9.96	8.57	8.30	7.49	7.03
30	6.37	8.48	8.13	10.87	---	33.29	14.33	9.69	8.35	8.01	7.32	9.32
31	6.74	---	7.94	10.20	---	32.86	---	9.48	---	8.02	7.29	---
MEAN	6.50	8.24	9.34	13.83	11.45	15.38	19.71	13.56	9.39	8.38	7.56	7.31
MAX	6.91	17.03	18.67	22.68	22.17	33.29	29.24	26.97	14.98	10.76	9.08	9.32
MIN	6.37	6.37	6.81	7.16	8.16	8.34	10.68	8.83	8.14	7.70	7.25	6.99

07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1973 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: March 1973 to April 1979.

WATER TEMPERATURES: March 1973 to April 1979.

INSTRUMENTATION.--Water-quality monitor March 1973 to April 1980.

REMARKS.--Lower limit of specific conductance sensor is 28 micromhos. Probes are 3.0 ft (0.9 m) above bottom of river. Flow data are available for Amite River near Denham Springs (station 07378500), 3.0 mi (4.8 km) upstream.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 156 micromhos Mar. 10, 1974; minimum, 28 micromhos or lower several days during spring of each year.

WATER TEMPERATURES: Maximum, 33.0°C July 31, Aug. 1, 1976; minimum, 7.5°C Dec. 27, 1975, Jan. 9, 1976.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT											
25...	1045	635	59	7.3	18.5	15	13	9.1	1.5	270	340
NOV											
16...	1015	--	56	6.6	12.5	30	23	9.8	.4	K800	480
DEC											
21...	1015	1220	55	6.2	12.5	40	56	9.9	5.4	--	340
JAN											
23...	0915	4140	55	6.2	13.0	70	100	8.7	2.0	K18000	K16000
FEB											
12...	1045	13900	31	5.6	7.5	70	87	10.9	--	2000	4200
MAR											
04...	0915	1900	49	6.2	11.0	50	90	10.2	4.0	4400	19000
APR											
14...	0930	41600	26	5.6	16.5	70	--	7.5	2.7	4700	7900
MAY											
15...	1430	1510	53	6.4	25.5	10	15	8.2	4.6	5600	840
JUN											
09...	1330	878	59	5.7	30.5	5	14	8.4	--	160	500
JUL											
01...	1300	770	52	7.1	32.0	20	20	8.7	1.2	K120	480
AUG											
12...	1300	700	63	6.3	29.5	30	28	7.2	3.2	6200	5800
SEP											
02...	1500	678	66	6.1	30.5	40	44	7.4	3.1	K1600	4900

DATE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	ALKA- LITY (MG/L AS CAC03)
OCT											
25...	12	0	2.5	1.3	6.5	50	.8	1.8	21	0	17
NOV											
16...	11	0	2.6	1.1	6.2	58	.8	2.7	14	0	11
DEC											
21...	12	3	2.5	1.5	4.5	39	.6	2.5	12	0	10
JAN											
23...	14	4	3.2	1.4	4.6	38	.5	2.3	12	0	10
FEB											
12...	6	3	1.0	.8	3.5	48	.6	1.9	4	0	3
MAR											
04...	10	2	2.7	.8	4.5	44	.6	2.1	10	0	8
APR											
14...	5	1	1.3	.5	1.6	33	.3	1.3	5	0	4
MAY											
15...	13	0	3.0	1.4	5.8	46	.7	1.3	18	0	15
JUN											
09...	12	1	2.8	1.3	5.4	45	.7	1.4	14	0	11
JUL											
01...	12	0	3.0	1.2	4.9	42	.6	1.6	19	0	16
AUG											
12...	11	0	2.9	1.0	6.3	50	.8	1.8	20	0	16
SEP											
02...	14	0	3.3	1.3	7.7	51	.9	1.9	18	0	15

K Results based on colony count outside the acceptable range (non-ideal count).

07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CARRON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
OCT 25...	1.7	1.7	7.3	.0	12	41	43	.06	.17	.16	.07
NOV 16...	5.6	4.7	8.0	.0	11	48	45	.07	.28	.30	--
DEC 21...	12	3.8	6.5	.1	12	59	40	.08	.28	.26	.21
JAN 23...	12	3.4	11	.1	9.6	69	42	.09	.24	.25	.19
FEB 12...	16	5.5	5.0	.0	4.9	36	25	.05	.22	.21	.13
MAR 04...	10	5.8	4.0	.1	8.8	57	34	.08	.23	.25	.22
APR 14...	20	2.2	2.3	.0	3.8	24	15	.03	.19	.18	.25
MAY 15...	11	1.5	6.2	.1	11	43	39	.06	.12	.13	.09
JUN 09...	46	4.4	6.3	.0	13	41	42	.06	.05	.01	.15
JUL 01...	2.5	1.0	6.5	.1	11	45	37	.06	.06	.00	.03
AUG 12...	16	2.7	7.1	.2	11	52	43	.07	.01	.09	.07
SEP 02...	23	7.7	7.4	.1	11	54	50	.07	.10	.11	.10

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)
OCT 25...	.01	.08	.01	.48	.51	.55	.03	.52	.72	.68
NOV 16...	.23	--	.30	--	1.2	1.4	.00	1.4	1.7	1.7
DEC 21...	.19	.25	.24	2.2	1.4	2.4	.80	1.6	2.7	1.9
JAN 23...	--	.23	--	.62	--	.81	--	--	1.1	--
FEB 12...	.12	.16	.15	--	1.6	--	--	1.7	--	1.9
MAR 04...	.15	.27	.19	.72	.73	.94	.06	.88	1.2	1.1
APR 14...	.26	.30	.33	.95	.65	1.2	.29	.91	1.4	1.1
MAY 15...	.10	.11	.13	7.2	3.2	7.3	4.0	3.3	7.4	3.4
JUN 09...	.07	.18	.09	1.1	.63	1.2	.50	.70	1.3	.71
JUL 01...	.01	.04	.01	.67	.29	.70	.40	.30	.76	.30
AUG 12...	.06	.08	.08	.70	--	.77	--	--	1.4	--
SEP 02...	.10	.12	.13	1.0	.71	1.1	.29	.81	1.2	.92

07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITRO- GEN, TOTAL (MG/L AS N03)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE (MG/L AS C)
OCT 25...	3.2	.110	.34	.050	0	0	0	--	3.6	.4
NOV 16...	7.4	--	--	.070	--	--	--	4.5	--	--
DEC 21...	12	.100	.31	.060	0	--	--	6.0	--	--
JAN 23...	4.6	.150	.46	.100	0	--	1	--	9.1	5.2
FEB 12...	--	.160	.49	.020	--	--	--	9.8	--	--
MAR 04...	5.2	.140	.43	.030	0	--	--	10	--	--
APR 14...	6.2	.150	.46	.010	3	3	0	--	9.5	.9
MAY 15...	33	.080	.25	.040	0	--	--	3.1	--	--
JUN 09...	5.5	.100	.31	.030	--	--	--	8.4	--	--
JUL 01...	3.4	.040	.12	.030	0	0	0	--	37	1.6
AUG 12...	6.1	.130	--	.080	0	--	--	5.2	--	--
SEP 02...	5.3	.160	.49	.150	--	--	--	--	--	--

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDE RECOV- ERABLE (UG/L AS CR)
OCT 25...	1	0	1	200	180	20	0	<1	0	0
JAN 23...	2	1	1	200	170	30	0	1	10	10
APR 14...	1	1	0	100	80	20	0	<1	10	10
JUL 01...	0	--	1	--	--	30	0	<1	0	0

DATE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 25...	0	0	<3	0	0	0	1000	850	150
JAN 23...	0	2	3	6	1	5	4200	4000	220
APR 14...	0	2	<3	5	1	4	3600	3400	160
JUL 01...	0	0	<3	5	2	3	1300	1100	170

< Actual value is known to be less than the value shown.

MISSISSIPPI RIVER DELTA

07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA--Continued
 WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 25...	2	2	0	120	40	80	.0	.0	.0
JAN 23...	8	7	1	260	140	120	.0	.0	.0
APR 14...	7	6	1	240	140	100	.1	.1	.0
JUL 01...	7	7	0	290	110	180	.0	.0	.0

DATE	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 25...	1	0	1	0	0	0	--	--	10
JAN 23...	7	5	2	0	0	0	40	20	20
APR 14...	6	2	4	0	0	0	30	30	<3
JUL 01...	5	4	1	0	0	0	10	6	4

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 25...	--	39	67	82
NOV 16...	3200	44	--	84
DEC 21...	--	104	343	88
JAN 23...	--	617	6900	72
FEB 12...	440	223	8370	88
MAR 04...	1700	243	1250	86
APR 14...	--	152	17100	94
MAY 15...	5500	130	530	98
JUN 09...	12000	46	109	81
JUL 01...	46000	44	91	85
AUG 12...	2500	83	157	80
SEP 02...	--	49	90	96

< Actual value is known to be less than the value shown.

07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980

DATE TIME	NOV 16,79 1015	FER 12,80 1045	MAR 4,80 0915	MAY 15,80 1430
TOTAL CFLLS/ML	3200	440	1700	5500
DIVERSITY: DIVISION	1.0	1.0	1.5	1.4
..CLASS	1.0	1.0	1.5	1.4
...ORDER	1.1	1.0	2.1	1.5
...FAMILY	1.4	1.3	2.6	2.2
....GENUS	1.9	1.9	2.7	2.6

ORGANISM	CELLS /ML	PER- CENT	CFLLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALFES								
....CHLOROCOCCACEAE								
.....CHLOROCOCCUM	*	0	--	-	--	-	--	-
...COFLASTRACEAE								
.....COFLASTRUM	--	-	--	-	--	-	290	5
...MICRACTINIACEAE								
.....GOLENKINIA	--	-	--	-	--	-	29	1
...MICRACTINIUM	--	-	--	-	27	2	72	1
...OOCYSTACEAE								
....ANKISTRODESMUS	96	3	30	7	27	2	430	8
....CHONATELLA	--	-	--	-	--	-	*	0
....DICTYOSPHAERIUM	45	1	--	-	--	-	57	1
....KIRCHNERIELLA	*	0	--	-	--	-	--	-
....OOCYSTIS	*	0	--	-	110	7	*	0
....SELENASTRUM	--	-	--	-	--	-	190	3
....TREFURARIA	--	-	--	-	--	-	--	-
....WFSTELLA	--	-	--	-	--	-	--	-
...SCENFDESMAFCEAE								
....ACTINASTRUM	--	-	--	-	--	-	--	-
....CRUCIGENIA	20	1	--	-	41	2	--	-
...SCENFDESMUS	220	7	30	7	82	5	720	13
...TETRASTRUM	20	1	--	-	--	-	--	-
...VOLVOCALES								
...CHLAMYDOMONADACEAF								
....CHLAMYDOMONAS	--	-	--	-	27	2	140	3
....LOBOMONAS	--	-	--	-	14	1	--	-
...ZYGNEATALES								
...DESMIDIACEAF								
....COSMARTUM	*	0	--	-	--	-	--	-
CHRYSOPHYTA								
..BACILLARIOPHYCEAF								
...CENTRALES								
...COSCINODISCACEAF								
....CYCLOTELLA	--	-	--	-	--	-	43	1
....MELOSTRA	81	3	--	-	--	-	--	-
...PENNALFES								
...CYMBELLACEAF								
....CYMBELLA	--	-	--	-	41	2	--	-
...EUNOTTIACEAE								
....EUNOTIA	--	-	5	1	--	-	--	-
...FRAGILARIACEAE								
....FRAGILARIA	*	0	--	-	--	-	--	-
....SYNEPDA	*	0	--	-	--	-	130	2
...GOMPHONEMATAACEAE								
....GOMPHONEMA	*	0	--	-	14	1	--	-
...NAVICULACEAE								
....NAVICULA	91	3	10	2	27	2	--	-
...NITZSCHIACEAE								
....NITZSCHIA	86	3	15	3	210	12	260	5
...SURIPELLACEAE								
....SURIPELLA	*	0	--	-	14	1	--	-
..CHRYSOPHYCEAE								
...CHRYSOMONADALES								
....MALLOMONADACEAF								
.....MALLOMONAS	--	-	--	-	14	1	--	-
...OCHROMONADACEAF								
....OCHROMONAS	--	-	--	-	--	-	--	-
...XANTHOPHYCEAF								
..HETEROCOCCALES								
...CHLOROTHECTACEAF								
....OPHTOCYTIUM	--	-	--	-	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980

DATE TIME	NOV 16,79 1015	FER 12,80 1045	MAR 4,80 0915	MAY 15,80 1430
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CRYPTOPHYTA (CRYPTOMONADS)				
..CRYPTOPHYCEAE				
...CRYPTOMONADALES				
....CRYPTOMONADACEAE				
.....CRYPTOMONAS	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)				
..CYANOPHYCEAE				
...CHROOCOCCALES				
....CHROOCOCCACEAE				
.....AGMENELLUM	240	8	--	-
.....ANACYSTIS	2200#	69	--	-
...HORMOGONALES				
....OSCILLATORIACEAE				
.....OSCILLATORIA	--	-	240#	54
.....SCHIZOTHRIX	--	-	110#	24
EUGLENOPHYTA (EUGLENOIDS)				
..EUGLENOPHYCEAE				
...EUGLENALES				
....EUGLENACEAE				
.....EUGLENA	--	-	--	-
.....EUTREPTIA	*	0	--	-
.....TRACHELUMONAS	--	-	5	1

DATE TIME	JUN 9,80 1330	JUL 1,80 1300	AUG 12,80 1300
TOTAL CELLS/ML	12000	46000	2500
DIVERSITY: DIVISION	1.2	1.2	1.4
..CLASS	1.2	1.3	1.4
...ORDER	1.4	1.4	2.0
....FAMILY	2.1	1.7	2.8
.....GENUS	2.9	2.7	3.4

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)						
..CHLOROPHYCEAE						
...CHLOROCOCCALES						
....CHLOROCOCCACEAE	--	-	--	-	--	-
.....COELASTRACEAE						
.....COELASTRUM	520	4	--	-	150	6
...MICRACINTACEAE						
....GULENKINTA	210	2	--	-	--	-
....MICRACINTIUM	--	-	--	-	--	-
...ODOCYSTACEAE						
....ANKISTRONDSMUS	2100#	17	5500	12	320	13
....CHONATIFLLA	730	6	*	0	--	-
....DICTYOSPHAERIUM	730	6	1700	4	52	2
....KIRCHNERIFLLA	210	2	280	1	--	-
....ODOCYSTIS	--	-	550	1	--	-
....SELENASTRIUM	420	3	--	-	13	1
....THRUHARTIA	--	-	280	1	--	-
....WESTELLA	--	-	--	-	150	6
...SCENEDFSMACFAE						
....ACTINASTRIUM	840	7	--	-	--	-
....CRUCIGENTIA	--	-	1100	2	--	-
....SCENEDFSMUS	630	5	4700	10	490#	20
....TETRASTRUM	--	-	--	-	--	-
...VOLVOCALES						
....CHLAMYDOMONADACEAE						
.....CHLAMYDOMONAS	100	1	960	2	26	1
....LUDOMONAS	--	-	--	-	--	-
...ZYGNEMATALES						
....DESMIDIACEAE						
.....COSMARIVUM	160	1	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980

DATE TIME	JUN 9.80 1330		JUL 1.80 1300		AUG 12.80 1300	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHRYSTOPHYTA						
..RACILLARIOPHYCEAE						
..CENTRALES						
...COSCONODISCACEAE						
....CYCLOTELLA	0	0	2200	5	100	4
....MELOSTRA	--	-	--	-	64	3
..PENNALES						
...CYMBELLACEAE						
....CYMBELLA	--	-	--	-	--	-
...EUNOTIACEAE						
....EUNOTIA	--	-	--	-	--	-
...FRAGILARIACEAE						
....FRAGILARIA	100	1	--	-	26	1
....SYNECHA	--	-	--	-	13	1
...GOMPHONEMACEAE						
....GOMPHONEMA	--	-	--	-	--	-
...NAVICULACEAE						
....NAVICULA	--	-	0	0	26	1
...NITZSCHACEAE						
....NITZSCHIA	160	1	280	1	120	5
...SURIRELLACEAE						
....SURIRELLA	--	-	--	-	--	-
..CHRYSTOPHYCEAE						
..CHRYSOMONADALES						
...MALLOMONADACEAE						
....MALLOMONAS	--	-	--	-	--	-
...OCHROMONADACEAE						
....OCHROMONAS	--	-	410	1	--	-
..XANTHOPHYCEAE						
..HETEROCOCCALES						
..CHLOROTHECIACEAE						
....OPHIOCYTUM	--	-	--	-	--	-
CRYPTOPHYTA (CRYPTOMONADS)						
..CRYPTOPHYCEAE						
..CRYPTOMONADALES						
...CRYPTOMONADACEAE						
....CRYPTOMONAS	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
..CHROOCOCCALES						
...CHROOCOCCACEAE						
....AGMENELLUM	--	-	17000#	36	310	13
....ANACYSTIS	5100#	42	11000#	25	150	6
...HORMOGONALES						
...OSCILLATORIACEAE						
....OSCILLATORIA	--	-	--	-	440#	18
....SCHIZOTRIPX	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)						
..EUGLENOPHYCEAE						
..EUGLENALES						
...EUGLENACEAE						
....EUGLENA	160	1	--	-	--	-
....EUTREPTIA	--	-	--	-	--	-
....TRACHELOMONAS	--	-	--	-	--	-

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

MISSISSIPPI RIVER DELTA

07380108 BAYOU MANCHAC AT MOUTH, NEAR PORT VINCENT, LA

LOCATION.--Lat 30°20'43", long 90°53'35", in lot 18, T.8 S., R.3 E., Ascension Parish, Hydrologic Unit 08070202, on right bank 100 ft (30 m) upstream from mouth, 2.6 mi (4.2 km) northwest of Port Vincent.

DRAINAGE AREA.--153 mi² (396 km²).

PERIOD OF RECORD.--Annual maximum elevation, water years 1972-74, October 1974 to current year (elevations only).

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Prior to October 1974 at datum 1.00 ft (0.305 m) higher.

REMARKS.--No elevations recorded below 1.09 ft (0.332 m). Elevations affected by tide below about 3.0 ft (0.91 m).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 17.38 ft (5.297 m) Apr. 23, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 15.52 ft (4.730 m) Mar. 31.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.44	2.53				1.85	15.17	1.43	2.05			
2		2.17				2.08	13.34	1.44	2.05			
3		1.98				1.72	11.95	1.66	2.06			1.46
4		1.63					10.72		1.90			2.17
5		1.58					9.28		1.71			2.91
6		1.64					7.53		1.53			3.09
7		1.32	1.35			1.46	5.72				1.46	2.60
8					1.33	1.82	4.27				1.86	2.05
9		1.37			1.80	1.57	4.53				2.34	1.45
10		1.43		1.56	1.61	1.32	3.69	1.40			2.41	1.33
11		1.64		3.34	2.48		2.98	1.49	1.37		2.20	
12		1.63	1.41	3.35	3.33	1.39	2.75	1.36	1.46		2.11	
13			1.56	3.72	3.87		7.00	1.40	1.50		1.67	1.63
14			2.06	4.58	3.55		10.31	1.42	1.53		1.40	
15	1.59		2.42	4.35	2.01		12.69	1.48	1.49			
16	1.89		2.72	2.82	1.46	1.77	12.44	2.74	1.47			
17	1.71		2.28	2.34		1.96	10.64	5.34	1.34			
18	1.55			3.70		2.53	8.08	6.67				
19	1.64			4.42	1.77	2.84	5.93	9.58				
20	1.86			4.49	1.56	3.32	5.31	10.06				1.65
21	1.98	1.34		3.85		3.14	5.36	9.57	1.66	1.44		1.68
22	2.04	1.51	1.41	2.24	1.51	1.99	4.53	8.46		1.70		1.72
23	1.81	1.33	1.73	2.07	1.59	2.19	2.53	6.68		1.91		1.80
24	1.35		1.77	1.82	1.51	2.02	1.50	4.73		2.11		1.83
25		2.04		1.92	1.37	2.01	1.50	3.12		2.16	1.68	1.82
26		2.50		1.93		2.99	2.21	2.19		1.99	1.88	1.90
27	1.31	2.12		1.66		3.64	3.76	1.90		1.61	1.69	1.89
28	1.39	2.06		1.63		5.43	8.00	1.90			1.63	1.89
29	1.38			1.44		6.60	6.91	1.89			1.63	1.56
30	1.63			1.52	---	12.52	3.62	2.00			1.40	1.32
31	2.34	---			---	15.31	---	2.07	---			---
MEAN	---	---		---	---	---	6.81	---	---	---	---	---
MAX	2.34	2.55	2.72	4.58	3.87	15.31	15.17	10.06	2.06	2.16	2.41	3.09
MIN	---	---	---	---	---	---	1.50	---	---	---	---	---

NOTE: Gage height is less than 1.09 ft (lowest recordable stage) on all days of missing record.

07380228 NEW RIVER AT ACY, LA

LOCATION.--Lat 30°13'07", long 90°49'15", at center E₁ sec.32, T.9 S., R.4 E., Ascension Parish, Hydrologic Unit 08070204, near left bank on downstream side of bridge on State Highway 22, at Acy, and 2.4 mi (3.9 km) upstream from Bayou Francois.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--March 1976 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 3.91 ft (1.192 m) National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--Gage height affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 8.99 ft (2.740 m) Apr. 24, 1979; minimum, 2.57 ft (0.783 m) Feb. 24, 1978.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 8.57 ft (2.612 m) Apr. 3; minimum, 3.25 ft (0.991 m) June 27.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.27	6.21	4.17	4.21	4.44	4.65	7.83	4.16	5.76	3.76	4.85	5.47
2	4.77	6.00	4.24	4.00	4.49	4.16	8.00	4.84	5.75	4.09	4.69	5.45
3	4.36	5.84	4.60	4.20	4.40	3.49	8.56	5.24	5.76	4.66	4.30	5.76
4	4.80	5.41	4.82	4.24	4.30	4.02	8.46	4.86	5.63	5.06	4.18	6.34
5	4.23	5.34	4.67	4.16	4.70	4.80	8.21	4.91	5.44	4.94	4.61	6.80
6	4.20	5.41	4.90	4.19	4.55	4.70	7.90	4.43	5.26	4.90	4.93	7.04
7	4.18	5.09	5.07	4.60	4.36	5.15	7.66	4.25	5.03	4.50	5.31	6.91
8	4.31	4.94	5.00	4.72	5.11	5.20	7.43	4.14	4.46	4.42	5.64	6.54
9	4.66	5.10	4.81	4.99	5.54	5.10	7.37	4.49	4.46	4.69	5.95	5.90
10	4.57	5.14	4.63	4.94	4.84	4.90	7.05	5.05	4.91	4.90	6.10	5.68
11	4.67	5.41	4.78	6.10	4.93	4.87	6.70	5.17	5.13	4.91	6.01	5.15
12	4.56	5.41	5.16	6.17	4.90	5.10	6.51	4.96	5.24	4.59	5.90	5.59
13	4.60	5.04	5.32	5.88	5.03	4.90	8.14	5.10	5.27	4.33	5.51	5.93
14	4.90	4.39	5.13	5.85	5.32	4.47	8.39	5.11	5.30	3.94	5.70	5.52
15	5.40	4.36	5.21	5.87	5.32	4.83	8.25	5.16	5.30	3.71	5.56	5.45
16	5.72	4.25	5.29	5.81	5.14	5.52	8.05	5.95	5.26	3.81	5.49	5.40
17	5.57	4.22	5.15	5.65	4.68	5.73	7.82	6.95	5.14	4.49	5.37	5.35
18	5.40	4.43	4.69	6.54	4.89	6.90	7.61	6.92	4.86	4.82	5.20	5.39
19	5.44	4.68	4.47	6.27	5.46	6.55	7.37	6.67	4.30	4.88	5.07	5.55
20	5.63	4.91	4.55	5.90	5.26	6.09	7.11	7.45	4.25	4.79	4.89	5.98
21	5.73	5.10	4.65	5.59	4.86	5.81	6.84	7.45	4.49	5.15	4.90	6.01
22	5.75	5.29	5.12	5.33	5.26	5.10	6.54	7.25	4.10	5.40	5.00	6.04
23	5.65	5.14	5.43	5.41	5.35	5.21	6.06	6.96	4.10	5.57	5.20	6.11
24	5.14	4.95	5.53	4.51	5.29	5.26	5.08	6.70	4.34	5.80	5.31	6.11
25	5.05	5.61	4.94	4.23	5.15	5.04	5.04	6.39	4.08	5.90	5.96	6.12
26	4.95	5.50	4.21	4.78	4.57	6.26	5.45	5.90	3.78	5.80	6.16	6.17
27	5.07	4.89	4.18	5.03	4.35	6.89	5.06	5.51	3.40	5.42	6.00	6.16
28	5.17	5.01	4.57	5.00	4.04	7.50	4.85	5.54	3.95	4.86	5.94	6.16
29	5.16	4.34	4.85	4.95	4.11	7.61	4.60	5.55	4.26	4.34	5.92	5.88
30	5.43	4.08	4.84	5.17	---	8.02	4.02	5.69	4.03	4.31	5.66	5.44
31	6.02	---	4.65	4.91	---	7.93	---	5.79	---	4.60	5.44	---
MEAN	5.04	5.05	4.83	5.14	4.85	5.54	6.93	5.63	4.77	4.75	5.38	5.91
MAX	6.02	6.21	5.53	6.54	5.54	8.02	8.56	7.45	5.76	5.90	6.16	7.04
MIN	4.18	4.08	4.17	4.00	4.04	3.49	4.02	4.14	3.40	3.71	4.18	5.15

07380400 BAYOU LAFOURCHE AT DONALDSONVILLE, LA

LOCATION.--Lat 30°06'00", long 90°58'40", in lot 96, T.11 S., R.14 E., Louisiana meridian, Ascension Parish, Hydrologic Unit 08090301, on left bank 40 ft (12 m) upstream from culvert under State Highway 18, in Donaldsonville, and 1,500 ft (457 m) downstream from pumping plant.

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

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

REMARKS.--Records fair. Pumping plant at Donaldsonville pumps total flow of Bayou Lafourche from Mississippi River except for small amounts of storm drainage during heavy runoff. Records of dissolved oxygen and water temperatures for the water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--23 years, 249 ft³/s (7.052 m³/s), 180,400 acre-ft/yr (222 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 642 ft³/s (18.2 m³/s) Apr. 13, 1980; no flow June 11, 14, 1959, Feb. 23, 24-27, 28, 1970, Mar. 3, Apr. 2, 3, May 14, 1971, Sept. 7-12, 1973, July 11, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 642 ft³/s (18.2 m³/s) Apr. 13; minimum daily, 109 ft³/s (3.09 m³/s) May 5.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	210	190	230	231	186	216	150	216	223	185	179	189
2	210	190	250	233	234	216	160	214	222	231	179	189
3	200	190	260	236	233	290	168	173	221	344	179	188
4	200	190	260	224	230	361	187	117	219	359	179	187
5	210	190	260	223	227	398	222	109	217	347	175	199
6	215	190	268	238	225	423	223	173	217	287	176	195
7	220	185	279	244	223	314	224	205	216	184	180	187
8	225	185	284	252	221	220	232	197	215	182	180	183
9	225	185	285	223	219	210	230	191	217	181	181	181
10	225	185	256	200	222	210	225	184	218	213	181	176
11	225	185	206	210	222	210	228	175	206	268	176	184
12	220	190	194	203	221	210	392	188	219	307	183	181
13	220	190	195	197	218	210	642	194	218	273	212	182
14	220	190	195	194	220	210	279	190	221	280	214	179
15	220	190	194	189	221	210	133	192	223	228	212	179
16	215	220	192	206	221	215	181	156	218	194	212	180
17	215	250	186	230	220	215	208	164	217	203	213	183
18	215	270	257	223	219	215	210	145	293	279	194	177
19	210	260	401	219	219	215	206	163	338	283	179	174
20	210	240	458	218	219	215	206	156	171	280	179	182
21	200	220	330	218	219	220	203	201	190	182	179	181
22	200	210	240	220	218	220	219	216	188	184	191	180
23	200	210	237	223	218	220	226	217	186	184	206	182
24	200	210	241	226	217	220	224	217	187	182	194	183
25	200	210	240	229	217	200	222	217	187	213	186	181
26	200	200	240	232	217	200	222	217	186	304	188	183
27	200	200	240	237	217	200	224	225	191	287	189	183
28	200	200	240	197	217	200	225	233	186	183	187	183
29	190	210	238	165	216	190	221	218	183	180	190	179
30	190	220	234	237	---	170	218	227	183	179	187	179
31	190	---	232	212	---	160	---	227	---	178	196	---
TOTAL	6480	6155	7822	6789	6376	7183	6910	5917	6376	7364	5856	5491
MEAN	209	205	252	219	220	232	230	191	213	238	189	183
MAX	225	270	458	252	234	423	642	233	338	359	214	199
MIN	190	185	186	165	186	160	133	109	171	178	175	174

CAL YR 1979 TOTAL 87272.00 MEAN 239 MAX 510 MIN .00
WTR YR 1980 TOTAL 78719.00 MEAN 215 MAX 642 MIN 109

07380400 BAYOU LAFOURCHE AT DONALDSONVILLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.43		---	7.41	6.88	7.28	---	7.28	7.34	7.22	7.15	7.28
2	---		---	7.43	7.43	7.28	---	7.25	7.33	7.54	7.15	7.28
3	---		---	7.45	7.42	7.79	6.69	6.76	7.33	8.20	7.15	7.27
4	---		7.62	7.35	7.40	8.22	6.92	6.06	7.31	8.26	7.15	7.25
5	---		7.65	7.34	7.38	8.39	7.34	5.96	7.30	8.21	7.10	7.36
6	---		7.69	7.46	7.36	8.49	7.34	6.76	7.29	7.87	7.12	7.33
7	---		7.78	7.51	7.34	7.87	7.35	7.16	7.28	7.22	7.16	7.25
8	---		7.81	7.57	7.33	7.31	7.41	7.06	7.27	7.19	7.16	7.21
9	---		7.82	7.31	7.31	---	7.40	6.97	7.29	7.17	7.17	7.18
10	---		7.60	7.09	7.33	---	7.35	6.89	7.30	7.42	7.18	7.14
11	---		7.15	7.21	7.33	---	7.38	6.78	7.15	7.82	7.12	7.21
12	---		7.02	7.13	7.32	---	8.31	6.94	7.31	8.04	7.17	7.18
13	---		7.04	7.06	7.30	---	9.64	7.03	7.30	7.80	7.45	7.19
14	---		7.04	7.02	7.32	---	7.60	6.97	7.32	7.87	7.46	7.16
15	---		7.03	6.96	7.32	---	6.26	7.00	7.34	7.56	7.45	7.16
16	---		6.99	7.16	7.32	---	6.85	6.55	7.30	7.28	7.44	7.16
17	---		6.93	7.40	7.32	---	7.20	6.65	7.30	7.35	7.46	7.20
18	---		7.42	7.34	7.31	---	7.21	6.41	7.79	7.89	7.29	7.13
19	---		8.36	7.31	7.31	---	7.17	6.63	8.08	7.91	7.15	7.09
20	---		8.68	7.31	7.31	---	7.16	6.54	7.05	7.87	7.15	7.19
21	---		8.00	7.31	7.31	---	7.13	7.09	7.29	7.19	7.16	7.18
22	---		7.48	7.32	7.30	---	7.29	7.28	7.26	7.22	7.26	7.16
23	---		7.46	7.35	7.31	---	7.37	7.29	7.24	7.21	7.40	7.19
24	---		7.49	7.36	7.29	---	7.35	7.30	7.25	7.19	7.30	7.21
25	---		7.48	7.39	7.29	---	7.33	7.29	7.26	7.41	7.24	7.18
26	---		7.48	7.42	7.29	---	7.33	7.30	7.24	8.02	7.27	7.20
27	---		7.48	7.46	7.29	---	7.35	7.36	7.28	7.90	7.28	7.20
28	---		7.48	6.99	7.29	---	7.36	7.42	7.24	7.20	7.25	7.20
29	---		7.46	6.63	7.28	---	7.33	7.28	7.20	7.17	7.29	7.15
30	---		7.43	7.45	---	---	7.30	7.37	7.21	7.15	7.25	7.15
31	---		7.41	7.15	---	---	---	7.37	---	7.15	7.31	---
MEAN	---		---	7.28	7.31	---	---	6.97	7.32	7.56	7.25	7.20
MAX	---		8.68	7.57	7.43	---	9.64	7.42	8.08	8.26	7.46	7.36
MIN	---		6.93	6.63	6.88	---	6.26	5.96	7.05	7.15	7.10	7.09

MISSISSIPPI RIVER DELTA

07381450 LOWER GRAND RIVER AT BAYOU SORREL, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°09'40", long 91°20'14", in NE¼ sec.34, T.10 S., R.11 E., Iberville Parish, Hydrologic Unit 08070300, at bridge on State Highway 75 spur in Bayou Sorrel.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1979 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: February 1980 to September 1980.

WATER TEMPERATURES: February 1980 to September 1980.

INSTRUMENTATION.--Water-quality monitor since February 1980.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 505 micromhos Sep. 12, 1980; minimum, 142 micromhos Mar. 30, 1980.

WATER TEMPERATURES: Maximum, 34.5°C July 6, 7, 1980; minimum, 7.5°C Feb. 10, 11, 18, 19, 1980.

WATER QUALITY DATA: WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-F (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 19...	1000	162	346	7.3	24.0	15	66	5.9	--	--	370
NOV 13...	1300	841	409	6.6	18.0	10	32	8.8	--	440	330
DEC 19...	1100	1350	309	6.5	11.5	50	62	7.4	2.6	K300	400
JAN 23...	1530	3000	346	6.9	14.5	70	40	7.2	2.4	200	K120
FEB 13...	1230	2250	339	7.3	8.0	50	64	10.3	--	620	10000
MAR 13...	1230	1580	448	7.4	18.0	20	27	7.8	1.3	K87	K60
APR 04...	1000	7670	170	6.8	18.5	50	90	5.2	4.1	K1300	--
MAY 15...	1200	1490	296	7.1	25.5	40	29	4.7	1.8	100	3400
JUN 05...	1300	2960	240	6.0	28.5	40	16	3.7	2.1	K75	100
JUL 02...	1300	1590	365	7.1	32.0	10	28	3.2	--	620	K1000
AUG 06...	0815	401	492	7.3	30.5	5	18	5.2	1.1	--	20
SEP 04...	1130	779	469	7.3	30.0	5	--	5.5	3.1	K85	K300

DATE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS C03)	ALKA- LINITY (MG/L AS CAC03)
OCT 19...	130	36	36	10	16	27	.6	3.8	116	0	95
NOV 13...	150	43	40	12	23	25	.8	3.6	129	0	106
DEC 19...	110	28	31	8.4	17	24	.7	4.8	103	0	84
JAN 23...	120	24	33	10	19	24	.7	4.2	122	0	100
FEB 13...	130	30	35	10	17	22	.7	3.1	120	0	98
MAR 13...	170	37	43	14	30	28	1.0	3.2	156	0	128
APR 04...	52	0	13	4.7	16	38	1.0	3.5	75	0	62
MAY 15...	97	15	26	7.7	17	27	.8	3.6	100	0	82
JUN 05...	82	17	22	6.6	14	26	.7	3.4	80	0	66
JUL 02...	120	28	31	9.6	18	24	.7	3.7	109	0	89
AUG 06...	150	34	42	12	39	35	1.4	3.9	131	0	120
SEP 04...	170	58	43	14	28	26	.9	3.6	131	0	107

K Results based on colony count outside the acceptable range (non-ideal count).

07381450 LOWER GRAND RIVER AT BAYOU SORREL, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CARRON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 DIS- SOLVED TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
OCT 19...	9.5	46	18	.2	6.8	215	195	.29	1.0	1.0	.15
NOV 13...	51	55	26	.2	6.7	238	231	.32	--	.83	.10
DEC 19...	53	30	25	.2	8.9	188	177	.26	1.0	.99	.18
JAN 23...	25	24	26	.2	13	214	190	.29	.40	.42	.17
FEB 13...	9.8	28	24	.1	8.8	194	186	.26	.50	.50	.15
MAR 13...	9.8	37	43	.1	9.7	267	258	.36	--	.56	.10
APR 04...	19	7.2	11	.1	7.3	116	100	.16	.15	.15	.31
MAY 15...	13	17	27	.1	6.8	181	155	.25	.53	.50	--
JUN 05...	128	21	19	.1	6.9	141	132	.19	.14	.15	.16
JUL 02...	14	32	24	.2	7.6	200	181	.27	1.0	.98	.07
AUG 06...	11	49	50	.3	6.9	283	276	.38	1.2	.23	.09
SEP 04...	11	80	30	.3	--	282	--	.38	.65	.69	.06

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)
OCT 19...	--	.15	--	1.2	--	1.3	.48	.82	2.3	1.8	10
NOV 13...	.06	.12	.08	.79	.56	.89	.27	.62	--	1.5	--
DEC 19...	.09	.22	.12	1.1	1.2	1.3	.00	1.3	2.3	2.3	10
JAN 23...	.07	.21	.09	1.1	.82	1.3	.41	.89	1.7	1.3	7.5
FEB 13...	.14	.18	.18	1.1	.74	1.2	.32	.88	1.7	1.4	7.5
MAR 13...	.10	.12	.13	1.1	1.0	1.2	.10	1.1	--	1.7	--
APR 04...	.28	.38	.36	1.8	.72	2.1	1.1	1.0	2.3	1.2	10
MAY 15...	.26	--	.33	--	1.5	--	--	1.8	--	2.3	--
JUN 05...	.19	.19	.24	1.0	.73	1.2	.28	.92	1.3	1.1	5.9
JUL 02...	.04	.08	.05	1.0	.46	1.1	.60	.50	2.1	1.5	9.3
AUG 06...	.10	.11	.13	.91	.75	1.0	.15	.85	2.2	1.1	9.7
SEP 04...	--	.07	--	1.0	--	1.1	.00	1.1	1.8	2.0	7.7

MISSISSIPPI RIVER DELTA

07381450 LOWER GRAND RIVER AT BAYOU SORREL, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	CARRON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARRON, ORGANIC SUS- PENDE (MG/L AS C)
OCT 19...	.180	.55	.030	0	0	0	--	6.8	1.4
NOV 13...	.120	.37	.070	--	--	--	4.7	--	--
DEC 19...	.290	.89	.150	0	--	--	8.3	--	--
JAN 23...	--	--	.190	0	0	0	--	12	1.9
FEB 13...	.200	.61	.060	--	--	--	8.5	--	--
MAR 13...	.150	.46	.070	0	--	--	12	--	--
APR 04...	.350	1.1	.150	0	0	0	--	11	.5
MAY 15...	.310	.95	.200	0	--	--	16	--	--
JUN 05...	.310	.95	.220	--	--	--	14	--	--
JUL 02...	.100	.31	.100	0	0	0	--	7.4	.8
AUG 06...	.130	.40	.080	0	--	--	8.3	--	--
SEP 04...	.140	.43	.130	--	--	--	5.3	--	--

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 19...	2	0	2	200	120	80	3	2	1	8
JAN 23...	3	1	2	200	120	80	0	--	2	10
APR 04...	3	2	1	200	160	40	1	0	1	10
JUL 02...	3	1	2	100	20	80	1	0	1	0

DATE	CHRO- MIUM, SUS- PENDE RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	CORALT, TOTAL RECOV- ERABLE (UG/L AS CO)	CORALT, SUS- PENDE RECOV- ERABLE (UG/L AS CO)	CORALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)
OCT 19...	8	0	3	0	3	43	34	9	3800	3800
JAN 23...	10	0	0	--	<3	7	5	2	2400	2300
APR 04...	10	0	5	2	3	7	2	5	6200	6100
JUL 02...	0	0	1	--	<3	10	3	7	1300	1300

< Actual value is known to be less than the value shown.

07381450 LOWER GRAND RIVER AT BAYOU SORREL, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDED RECOV- (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 19...	10	25	24	1	110	30	80	.2	.2	.0
JAN 23...	60	5	5	0	120	80	40	.1	.0	.1
APR 04...	130	33	33	0	150	90	60	.0	.0	.0
JUL 02...	10	11	11	0	160	80	80	.1	.1	.0

DATE	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELF- NIUM, TOTAL (UG/L AS SE)	SELF- NIUM, SUS- PENDED TOTAL (UG/L AS SF)	SELF- NIUM, DIS- SOLVED (UG/L AS SF)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 19...	24	20	4	0	0	0	70	50	20
JAN 23...	6	2	4	1	0	1	640	620	20
APR 04...	8	6	2	0	0	0	140	110	30
JUL 02...	8	5	3	0	0	0	50	40	8

DATE	PHYTO- PLANK- TON, TOTAL (CFLLS PER ML)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SFD, SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 19...	--	236	103	98
NOV 13...	1800	--	--	--
DEC 19...	--	107	390	99
JAN 23...	--	102	826	94
FEB 13...	--	150	911	88
MAR 13...	2000	94	401	96
APR 04...	--	250	5180	98
MAY 15...	1000	93	374	84
JUN 05...	8600	76	607	85
JUL 02...	7100	90	386	94
AUG 06...	--	111	92	--
SEP 04...	--	95	200	98

< Actual value is known to be less than the value shown.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1											---	---
2											---	---
3											---	---
4											---	---
5											---	---
6											---	---
7											375	328
8											374	343
9											376	349
10											407	349
11											418	375
12											454	401
13											446	422
14											435	414
15											445	422
16											453	432
17											440	431
18											437	433
19											443	421
20											434	398
21											385	349
22											397	351
23											403	385
24											411	387
25											395	384
26											383	350
27											348	329
28											328	216
29											209	156
30											165	142
31											176	154

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	205	163					---	---	438	411	413	408
2	204	166					---	---	451	430	409	403
3	191	143					---	---	453	443	427	408
4	199	143					---	---	445	437	---	---
5	207	145					---	---	452	439	440	433
6	199	173					---	---	---	---	456	436
7	226	184					---	---	457	438	461	426
8	227	206					---	---	449	431	429	424
9	232	212					---	---	444	435	448	428
10	225	215					---	---	439	435	480	416
11	223	214					---	---	435	421	498	451
12	223	210					---	---	421	395	505	467
13	234	178					---	---	456	392	483	465
14	173	152					---	---	470	449	470	454
15	160	149					---	---	461	439	463	438
16	163	155					---	---	436	405	456	430
17	167	157					---	---	405	397	440	430
18	176	167					---	---	407	399	449	427
19	179	170					---	---	412	409	421	407
20	183	173					---	---	422	400	409	403
21	182	175					---	---	426	406	414	403
22	183	176					---	---	416	408	405	397
23	187	182					---	---	422	404	411	391
24	188	183					---	---	426	421	416	408
25	191	186					---	---	426	418	411	405
26	235	189					---	---	431	418	439	405
27	233	181					---	---	427	417	471	419
28	184	170					---	---	420	411	471	466
29	195	184					---	---	413	410	480	458
30	205	195					440	377	414	410	450	422
31	---	---					425	392	411	408	---	---

07381450 LOWER GRAND RIVER AT BAYOU SORREL, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1									---	---	12.0	9.5
2									---	---	11.5	10.5
3									---	---	10.5	10.0
4									---	---	10.5	10.0
5									---	---	11.0	10.0
6									---	---	11.0	10.5
7									---	---	11.5	10.5
8									9.5	9.0	12.5	11.0
9									9.5	9.0	14.0	12.5
10									9.0	7.5	15.5	13.0
11									8.5	7.5	---	---
12									8.5	8.0	---	---
13									8.5	8.0	---	---
14									8.5	8.0	---	---
15									9.5	8.0	---	---
16									9.5	9.0	---	---
17									9.0	8.0	---	---
18									8.0	7.5	---	---
19									8.5	7.5	---	---
20									---	---	---	---
21									---	---	---	---
22									---	---	---	---
23									---	---	16.0	15.5
24									---	---	16.5	16.0
25									---	---	16.0	15.5
26									---	---	---	---
27									---	---	---	---
28									---	---	---	---
29									---	---	16.5	15.5
30									---	---	17.0	16.0
31									---	---	17.0	16.5
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	17.5	16.5	20.0	19.5	27.0	26.5	34.0	32.5	---	---	30.5	29.5
2	17.5	16.5	20.5	20.0	27.0	26.5	---	---	---	---	30.5	30.0
3	18.0	16.5	21.5	20.5	27.5	26.5	34.0	33.0	---	---	30.5	29.5
4	18.5	17.5	22.0	21.0	28.0	27.0	34.0	33.0	---	---	30.0	29.5
5	19.0	18.0	22.5	21.5	28.5	27.5	34.0	33.0	---	---	29.5	28.5
6	18.5	18.0	22.5	21.5	29.0	28.0	34.5	33.0	---	---	29.0	28.5
7	18.5	18.5	23.0	22.5	29.5	28.5	34.5	33.5	---	---	29.0	28.5
8	19.0	18.0	23.0	22.5	30.0	29.0	---	---	---	---	29.5	28.5
9	19.5	18.5	23.5	22.5	30.5	29.5	---	---	---	---	30.0	29.0
10	19.0	18.5	23.5	22.5	30.0	29.5	---	---	---	---	30.0	29.0
11	19.5	18.5	24.0	23.0	30.0	29.0	---	---	---	---	30.5	29.5
12	19.5	18.5	25.0	23.5	30.0	29.0	---	---	---	---	---	---
13	18.5	17.0	25.0	24.5	29.5	29.0	---	---	---	---	---	---
14	---	---	25.0	24.5	30.0	29.0	---	---	---	---	31.5	30.0
15	---	---	25.0	24.5	30.0	29.5	---	---	---	---	31.0	30.5
16	---	---	25.0	22.5	30.5	29.5	---	---	---	---	31.0	30.5
17	17.0	16.5	22.5	21.0	31.0	30.0	34.0	32.5	---	---	30.5	29.5
18	18.0	17.0	22.0	20.5	31.0	30.5	33.5	33.0	---	---	29.5	29.5
19	18.0	17.0	22.0	22.0	31.0	30.5	33.0	32.0	---	---	29.5	29.0
20	18.5	17.5	23.0	22.0	---	---	32.5	32.0	---	---	29.0	28.5
21	19.0	18.0	22.5	22.5	---	---	31.5	31.5	33.0	31.5	29.5	29.0
22	19.5	18.5	23.0	22.5	30.5	30.0	---	---	33.0	32.0	29.5	29.0
23	20.0	19.0	23.5	23.0	30.5	30.0	---	---	33.0	31.5	30.0	29.5
24	20.0	19.5	24.0	23.0	30.5	30.0	---	---	32.0	31.5	29.5	29.0
25	20.5	20.0	24.5	23.5	---	---	---	---	32.0	31.0	29.5	29.0
26	21.0	20.5	25.5	24.0	31.5	30.5	---	---	32.0	31.0	29.5	29.0
27	20.5	19.5	25.5	25.0	31.5	31.0	---	---	31.0	30.5	29.5	29.0
28	19.5	19.0	26.0	25.0	32.0	31.0	---	---	31.0	30.0	29.5	29.0
29	20.0	19.0	26.0	25.5	33.0	31.5	---	---	30.5	30.0	29.5	29.0
30	20.0	19.5	26.5	26.0	---	---	---	---	30.5	29.5	29.0	28.0
31	---	---	27.0	26.0	---	---	---	---	30.5	29.5	---	---

MISSISSIPPI RIVER DELTA

07381450 LOWER GRAND RIVER AT BAYOU SORREL, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980

DATE TIME	NOV 13,79 1300	MAR 13,80 1230	MAY 15,80 1200	JUN 5,80 1300	JUL 2,80 1300					
TOTAL CELLS/ML	1800	2000	1000	8600	7100					
DIVERSITY: DIVISION	1.5	1.0	1.9	1.7	1.7					
...CLASS	1.5	1.0	1.9	1.7	1.7					
...ORDER	1.8	1.8	2.2	2.1	2.4					
...FAMILY	2.2	2.1	2.6	2.7	3.0					
...GENUS	3.0	3.0	3.5	3.6	0.0					
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT				
CHLOROPHYTA (GREEN ALGAE)										
..CHLOROPHYCEAE										
...CHLOROCOCCALES										
...CHARACIACEAE										
...SCHROEDERIA	14	1	--	--	*	0	53	1		
...COFLASTRACEAE										
...COFLASTRUM	--	--	--	--	100	1	--	--		
...MICRACITINIACEAE										
...MICRACITINIUM	--	--	--	--	250	3	53	1		
...DOCYSTACEAE										
...ANKISTRODESMIUS	100	6	160	8	77	8	75	1	500	7
...CHLORELLA	--	--	16	1	--	--	--	--	--	--
...DICTYOSPHAERIUM	20	2	--	--	--	--	1500#	17	110	1
...KIRCHNERIELLA	43	2	16	1	39	4	*	0	79	1
...NEPHROCYTIUM	14	1	--	--	--	--	--	--	--	--
...DOCYSTIS	14	1	62	3	--	--	--	--	--	--
...SELENASTRUM	--	--	--	--	13	1	50	1	--	--
...TETRAEDRON	--	--	--	--	--	--	50	1	--	--
...TETRAEDRIA	--	--	--	--	13	1	--	--	--	--
...SCENEFDESMAEAE										
...ACTINASTRUM	--	--	--	--	--	--	600	7	--	--
...CILIIGENIA	170	10	--	--	100	10	380	4	110	1
...SCENEFDESMIUS	110	6	94	5	100	10	800	9	740	10
...TETRASTRUM	--	--	--	--	51	5	--	--	110	1
...VOLVOCALES										
...CHLAMYDOMONADACEAE										
...CARTERIA	14	1	--	--	--	--	--	--	--	--
...CHLAMYDOMONAS	14	1	220	11	13	1	250	3	180	3
...PLATYMONAS	--	--	62	3	--	--	--	--	--	--
...PHACUTACEAE										
...PTEROMONAS	14	1	--	--	--	--	--	--	--	--
...VOLVOCAEAE										
...PANDORINA	--	--	--	--	--	--	--	--	210	3
CHRYSIDOPHYTA										
..RACILLARIOPHYCEAE										
...CENTRALES										
...COSCINODISCACEAE	--	--	--	--	--	--	--	--	53	1
...CYCLOTELLA	43	2	760#	39	130	13	880	10	550	8
...AFLOSIRA	100	6	160	8	120	11	910	11	320	4
...SKELETONEMA	--	--	120	6	--	--	--	--	--	--
...PENNALES										
...FRAGILARIACEAE										
...FRAGILARIA	--	--	--	--	--	--	--	--	53	1
...SYNEURA	--	--	16	1	--	--	--	--	*	0
...NAVICULACEAE										
...NAVICULA	--	--	31	2	13	1	--	--	--	--
...NITZSCHACEAE										
...NITZSCHIA	190	10	230	12	39	4	50	1	450	6
..CHRYSIDOPHYCEAE										
...CHRYSOMONADALES										
...OCHROMONADACEAE										
...OCHROMONAS	--	--	--	--	--	--	75	1	--	--
...XANTHOPHYCEAE										
...HETEROCOCCALES										
...CENTRITRACTACEAE										
...CENTRITRACTUS	--	--	--	--	--	--	--	--	*	0
...CHLOROTHECTACEAE										
...OPHTOCYTUM	--	--	--	--	--	--	*	0	*	0
CRYPTOPHYTA (CRYPTOMONADS)										
..CRYPTOPHYCEAE										
...CRYPTOMONADALES										
...CRYPTOMONADACEAE										
...CRYPTOMONAS	--	--	--	--	13	1	--	--	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM; MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07381450 LOWER GRAND RIVER AT BAYOU SORREL, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980

DATE TIME	NOV 13, 79 1300		MAR 13, 80 1230		MAY 15, 80 1200		JUN 5, 80 1300		JUL 2, 80 1300	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)										
..CYANOPHYCEAE										
...CHROOCOCCALES										
...CHROOCOCCACEAE										
...AGMENELLUM	690#	39	--	-	--	-	1600#	19	1900#	27
...A. VACYSTIS	260	11	--	-	210#	20	530	6	740	10
...HORMOGONIALES										
...NOSTOCACEAE										
...ANABAENOPSIS	--	-	--	-	--	-	--	-	370	5
...OSCILLATORIACEAE										
...OSCILLATORIA	--	-	--	-	--	-	230	3	240	3
EUGLENOPHYTA (EUGLENIDS)										
..EUGLENOPHYCEAE										
..EUGLENALES										
...EUGLENAEAE										
....EUGLENA	14	1	16	1	13	1	*	0	53	1
....PHACUS	--	-	16	1	--	-	--	-	--	-
....TRACHELOMONAS	--	-	--	-	77	8	150	2	130	2
PYRRHOPHYTA (FIRE ALGAE)										
..PYRRHOPHYCEAE										
...PERTONIALES										
...GLENODINTACEAE										
....GLENODINTA	--	-	--	-	--	-	50	1	--	-

NOTE: # = DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* = OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA

LOCATION.--Lat 30°58'57", long 91°47'54", in NE¼SW¼ sec.7, T.1 S., R.7 E., Louisiana meridian, Avoyelles Parish, Hydrologic Unit 08080101, 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).

DRAINAGE AREA.--Approximately 87,570 mi² or 226,810 km² (see REMARKS).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1972 to September 1979. 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.

REVISED RECORDS.--WDR LA 77-2: 1975.

GAGE.--Water-stage recorder. Datum of gage is 5.73 ft (1.747 m) National Geodetic Vertical Datum of 1929.

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.

COOPERATION.--Computations of daily discharge furnished by Corps of Engineers.

AVERAGE DISCHARGE.--7 years, 263,200 ft³/s (7,450 m³/s), 190,688,000 acre-ft/yr (235 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 781,000 ft³/s or 22,100 m³/s (observed) May 12, 1973; maximum gage height, 49.05 ft (14.950 m) May 15, 1973; minimum daily, 22,000 ft³/s (623 m³/s) Oct. 4, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum stage since 1903, 53.4 ft (16.28 m), May 16, 1927.

EXTREMES FOR CURRENT YEAR.--Water year 1979: Maximum daily discharge, 605,000 ft³/s (17,100 m³/s) Apr. 30; maximum gage height, 43.61 ft (13.292 m) Apr. 29, 30, May 1; minimum daily discharge, 53,000 ft³/s (1,500 m³/s) Nov. 18, 19.

RECORDS FOR THE 1980 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 1978 TO SEPTEMBER 1979
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	123000	67000	135000	297000	335000	275000	532000	604000	417000	233000	172000	162000
2	117000	64000	135000	300000	338000	295000	532000	602000	401000	228000	183000	169000
3	109000	64000	138000	287000	345000	313000	532000	600000	397000	235000	187000	174000
4	109000	65000	146000	278000	346000	323000	538000	599000	395000	238000	198000	180000
5	106000	67000	157000	274000	347000	347000	542000	596000	393000	234000	209000	193000
6	102000	70000	166000	263000	349000	359000	543000	592000	383000	227000	216000	205000
7	93000	70000	179000	264000	350000	369000	545000	588000	377000	216000	232000	214000
8	87000	73000	183000	272000	347000	373000	546000	585000	375000	210000	247000	213000
9	81000	71000	198000	283000	345000	384000	547000	577000	374000	204000	252000	212000
10	75000	71000	211000	285000	329000	406000	545000	570000	372000	195000	251000	210000
11	72000	69000	221000	285000	324000	410000	545000	563000	372000	190000	248000	215000
12	69000	61000	235000	292000	318000	413000	547000	560000	368000	186000	246000	210000
13	66000	57000	249000	299000	299000	444000	550000	555000	365000	190000	242000	204000
14	64000	55000	261000	299000	277000	454000	553000	550000	356000	197000	232000	194000
15	64000	54000	275000	299000	260000	457000	556000	545000	347000	197000	221000	178000
16	64000	55000	284000	302000	245000	463000	557000	534000	342000	196000	212000	172000
17	64000	55000	286000	303000	231000	472000	559000	528000	335000	194000	205000	166000
18	64000	53000	290000	306000	225000	479000	561000	518000	330000	191000	194000	162000
19	64000	53000	303000	304000	221000	487000	564000	508000	325000	192000	188000	159000
20	65000	56000	313000	315000	219000	503000	565000	504000	324000	191000	185000	149000
21	68000	66000	316000	327000	208000	509000	572000	500000	322000	191000	187000	173000
22	70000	73000	321000	332000	202000	511000	579000	497000	311000	190000	186000	188000
23	72000	78000	328000	328000	200000	512000	595000	498000	305000	189000	178000	193000
24	75000	88000	330000	323000	206000	513000	595000	483000	298000	188000	174000	197000
25	78000	93000	308000	322000	243000	517000	603000	476000	290000	188000	165000	220000
26	80000	97000	308000	321000	253000	519000	600000	464000	275000	188000	162000	232000
27	77000	112000	309000	316000	250000	521000	602000	458000	262000	190000	155000	235000
28	73000	120000	309000	317000	260000	523000	602000	457000	248000	187000	139000	232000
29	70000	130000	305000	319000	---	520000	604000	456000	242000	184000	137000	232000
30	69000	135000	296000	323000	---	515000	605000	447000	237000	181000	143000	229000
31	68000	---	296000	330000	---	532000	---	435000	---	171000	152000	---
TOTAL	2458000	2242000	7791000	9365000	7872000	13718000	16916000	16449000	10138000	6191000	6098000	5872000
MEAN	79290	74730	251300	302100	281100	442500	563900	530600	337900	199700	196700	195700
MAX	123000	135000	330000	332000	350000	532000	605000	604000	417000	238000	252000	235000
MIN	64000	53000	135000	263000	200000	275000	532000	435000	237000	171000	137000	149000
AC-FT	4875000	4447000	15450000	18580000	15610000	27210000	33550000	32630000	20110000	12280000	12100000	11650000
CAL YR 1978	TOTAL	73730000	MEAN	202000	MAX	440000	MIN	53000	AC-FT	146200000		
WTR YR 1979	TOTAL	105110000	MEAN	288000	MAX	605000	MIN	53000	AC-FT	208500000		

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.59	4.32	10.05	25.61	28.78	23.24	38.86	43.55	32.81	19.81	14.52	13.80
2	9.80	4.00	10.01	25.99	29.05	25.30	38.92	43.49	31.93	19.48	15.56	14.36
3	8.88	3.80	10.16	24.46	29.53	26.91	38.94	43.37	31.68	19.99	15.96	14.82
4	8.88	4.01	10.77	23.53	29.58	27.58	39.28	43.25	31.42	20.15	16.94	15.26
5	8.75	4.22	11.78	23.16	29.66	29.28	39.46	43.12	31.26	19.90	17.88	16.39
6	8.55	4.71	12.40	22.02	29.78	30.11	39.57	42.90	30.95	19.39	18.45	17.54
7	7.91	4.89	13.54	22.21	29.88	30.73	39.63	42.74	30.56	18.52	19.73	18.31
8	7.48	4.58	14.60	22.98	29.69	31.06	39.78	42.49	30.47	17.93	21.16	18.12
9	7.03	4.63	15.72	23.97	29.49	31.58	39.79	42.08	30.38	17.43	21.51	18.11
10	6.58	4.57	16.84	24.20	28.27	32.62	39.68	41.70	30.23	16.66	21.39	17.99
11	6.33	4.50	17.84	24.23	27.83	32.84	39.72	41.36	30.21	16.12	21.17	18.38
12	6.09	4.16	18.67	24.93	27.32	33.00	39.85	41.22	29.89	15.73	20.99	17.95
13	5.86	4.00	19.94	25.71	25.51	33.61	39.96	41.00	29.69	16.10	20.66	17.38
14	5.21	3.77	21.03	25.66	23.57	34.18	40.13	40.77	29.07	16.81	19.81	16.50
15	4.53	3.64	22.32	25.70	21.86	34.67	40.23	40.35	28.46	16.77	18.87	15.08
16	4.73	3.81	23.16	25.93	20.55	35.05	40.37	39.85	27.94	16.70	18.12	14.35
17	4.56	3.96	23.36	26.04	19.14	35.70	40.46	39.50	27.47	16.50	17.45	13.95
18	4.29	3.45	23.45	26.25	18.66	36.12	40.56	39.01	27.16	16.22	16.47	13.70
19	4.20	3.39	24.59	26.21	18.30	36.51	40.68	38.44	26.77	16.27	15.98	13.29
20	4.32	3.62	25.53	27.18	18.11	37.44	40.74	38.13	26.70	16.26	15.67	12.45
21	4.58	4.44	25.76	28.15	17.09	37.67	41.08	38.03	26.50	16.31	15.86	14.70
22	4.72	5.10	26.12	28.58	16.62	37.77	41.58	37.89	25.70	16.20	15.78	15.56
23	5.00	5.61	26.82	28.31	16.39	37.86	42.27	37.59	25.24	16.10	15.01	16.08
24	5.22	6.52	26.97	28.01	17.06	37.98	42.77	37.01	24.67	15.99	14.73	16.60
25	5.42	7.18	27.02	27.83	20.42	38.13	43.21	36.63	24.03	16.00	13.93	17.28
26	5.64	7.62	27.06	27.69	21.20	38.23	43.37	35.83	22.98	15.94	13.63	19.25
27	5.51	8.73	26.68	27.33	20.93	38.36	43.48	35.52	21.97	16.15	12.96	20.01
28	5.01	9.49	26.54	27.42	21.82	38.49	43.46	35.47	20.90	15.86	11.48	19.88
29	4.72	9.65	26.37	27.57	---	38.30	43.48	35.39	20.48	15.56	11.31	19.62
30	4.57	10.05	25.39	27.83	---	38.02	43.47	34.86	20.14	15.29	11.88	19.60
31	4.55	---	25.32	28.38	---	38.97	---	34.09	---	14.41	12.60	---
MEAN	6.08	5.21	20.51	25.91	23.79	34.11	40.83	39.57	27.59	16.99	16.69	16.54
MAX	9.80	10.05	27.06	28.58	29.88	38.97	43.48	43.55	32.81	20.15	21.51	20.01
MIN	4.20	3.39	10.01	22.02	16.39	23.24	38.86	34.09	20.14	14.41	11.31	12.45

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1952-53, 1973 to current year.

PERIOD OF DAILY RECORD. - -

SPECIFIC CONDUCTANCE: October 1974 to September 1975, October 1978 to September 1979.

WATER TEMPERATURES: December 1975 to September 1976, October 1977 to current year.

CHLORIDE: October 1974 to current year.

SUSPENDED-SEDIMENT DISCHARGE: October 1972 to September 1979.

COOPERATION.--Samples for chloride analysis and for suspended-sediment analysis are collected by the Corps of Engineers and analyzed by the Geological Survey. Daily suspended-sediment discharge records are computed by the Geological Survey and reviewed by the Corps of Engineers.

EXTREMES FOR PERIOD OF DAILY RECORD. --

SPECIFIC CONDUCTANCE: Maximum daily, 620 micromhos Dec. 5, 1978; minimum daily, 179 micromhos Feb. 21, 1979.

WATER TEMPERATURES: Maximum daily, 30.5°C July 13, 1978, July 21, 22, 23, 24, 1980; minimum daily, 2.0°C Jan. 18, 19, 20, Feb. 1, 6, 7, 1978, Jan. 15, 1979.

CHLORIDE: Maximum daily, 150 mg/L June 9, 13, 14, 1977; minimum daily, 10 mg/L Apr. 16, 17, 1975.

SUSPENDED-SEDIMENT DISCHARGE: Maximum daily, 1,203,000 tons (1,090,000 tonnes) Feb. 7, 1975; minimum daily, 2,000 tons (1,800 tonnes) Oct. 3, 4, 5, 1976.

EXTREMES FOR CURRENT YEAR. - -

WATER TEMPERATURES: Maximum daily, 30.5°C July 21, 22, 23, 24; minimum daily, 4.0°C Feb. 7, 11.

CHLORIDE: Maximum daily, 59 mg/L June 27; minimum daily, 15 mg/L Jan. 8, Apr. 22.

TEMPERATURE, WATER (DEG. C); WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.0	17.0	---	---	6.0	---	12.0	---	---	28.0	29.0	---
2	23.0	17.0	---	---	---	---	13.0	18.0	24.0	28.0	---	27.5
3	21.0	---	9.0	7.5	---	5.0	13.0	---	24.0	28.0	---	27.0
4	22.0	---	8.0	7.0	5.0	7.0	---	---	24.0	---	29.0	27.0
5	---	16.0	8.0	---	5.0	8.0	---	18.0	---	---	29.5	27.0
6	---	16.0	9.5	---	5.0	7.0	---	19.0	25.5	---	29.0	---
7	---	16.0	---	7.5	4.0	7.0	14.0	19.5	---	29.5	29.0	---
8	---	16.0	---	6.5	6.0	---	15.0	20.0	---	29.5	29.5	27.0
9	21.0	16.0	---	6.0	---	---	14.0	19.0	---	30.0	---	---
10	19.0	---	7.0	7.0	---	9.0	14.5	---	25.5	30.0	29.5	27.5
11	19.0	---	---	8.0	4.0	10.0	15.0	---	25.5	30.0	30.0	28.0
12	20.0	---	9.5	8.0	5.0	11.0	---	24.0	25.5	---	30.0	28.0
13	---	13.0	---	---	5.0	10.0	---	22.5	26.0	---	29.0	---
14	---	13.0	8.0	---	5.0	9.5	14.0	21.5	---	30.0	30.0	---
15	18.0	12.0	---	---	6.0	---	14.0	21.5	---	30.0	---	28.5
16	19.0	12.0	---	---	---	---	14.0	22.0	24.5	30.0	---	---
17	18.0	---	---	8.5	---	---	14.5	---	24.5	30.0	---	28.0
18	18.0	12.0	---	8.5	---	9.5	14.0	---	26.5	30.0	30.0	27.5
19	19.0	---	6.0	---	---	10.0	---	22.0	26.5	---	30.0	27.5
20	---	12.0	7.0	---	---	11.0	---	21.5	26.5	---	---	27.5
21	---	---	8.0	8.5	11.0	11.0	15.0	22.0	---	30.5	29.5	27.0
22	20.0	---	---	9.5	12.0	---	15.0	22.5	---	30.5	29.5	27.0
23	18.0	13.0	---	7.5	12.0	---	---	22.0	26.0	30.5	---	---
24	18.0	---	---	7.5	12.0	11.5	16.5	---	26.0	30.5	---	27.5
25	17.0	---	---	9.0	12.0	11.0	17.0	---	26.5	---	29.0	26.5
26	18.0	11.0	7.0	---	12.0	11.0	17.0	---	27.0	---	29.5	26.0
27	---	12.0	7.0	---	12.0	11.0	---	23.5	27.0	---	29.0	---
28	---	---	7.0	---	12.0	11.5	16.0	24.0	---	29.0	28.0	---
29	19.0	---	---	8.0	12.0	11.0	16.0	24.0	---	29.0	28.0	---
30	19.0	8.0	---	8.0	---	---	17.0	24.0	27.0	29.0	---	24.0
31	19.0	---	---	7.0	---	12.0	---	---	---	29.5	---	---

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	40	---	---	25	---	20	20	---	54	30	---
2	22	40	---	---	---	---	20	20	20	50	---	34
3	20	---	30	---	---	40	20	---	20	50	---	36
4	20	---	35	20	20	25	---	---	25	---	30	30
5	20	36	25	---	25	35	---	20	---	---	30	---
6	---	32	30	---	25	30	---	25	40	---	35	---
7	---	34	---	17	25	30	20	20	---	25	40	---
8	---	34	---	15	25	---	20	30	---	41	35	42
9	22	32	---	16	---	---	20	25	---	34	---	---
10	20	---	25	17	---	35	25	---	34	33	35	45
11	28	---	---	19	25	40	20	---	27	29	41	40
12	20	---	25	20	30	35	---	25	34	---	39	35
13	---	32	---	---	25	35	---	25	35	---	46	---
14	---	---	35	---	25	40	25	35	---	33	39	---
15	22	40	---	30	25	---	20	25	---	32	---	30
16	22	---	---	25	---	---	20	25	51	36	---	---
17	24	---	---	20	---	---	20	---	52	34	---	30
18	24	25	---	25	---	30	20	---	47	31	40	30
19	20	---	20	---	---	25	---	25	43	---	42	45
20	---	30	25	---	---	30	---	20	44	---	---	25
21	---	---	25	25	25	30	20	25	---	35	38	35
22	28	---	---	25	25	---	15	20	---	31	40	25
23	30	25	---	20	---	---	---	20	44	30	---	---
24	38	---	---	25	---	35	20	---	52	31	---	30
25	26	---	---	20	---	25	20	---	54	40	40	40
26	28	30	20	---	---	30	20	---	56	---	30	40
27	---	35	25	---	---	40	---	25	59	---	35	---
28	---	30	25	30	---	20	20	20	---	40	30	---
29	38	25	---	20	---	30	20	25	---	35	35	---
30	30	35	---	25	---	---	20	25	52	40	---	40
31	30	---	---	20	---	15	---	---	---	35	---	---

SEDIMENT DISCHARGE, SUSPENDED (TONS/DAY), WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	59000	26000	86000	314000	609000	580000	556000	413000	582000	212000	95000	78000
2	58000	24000	89000	315000	620000	656000	571000	389000	565000	199000	105000	84000
3	56000	24000	95000	290000	642000	681000	587000	367000	573000	202000	109000	89000
4	60000	24000	108000	273000	647000	678000	613000	364000	585000	200000	119000	95000
5	62000	25000	124000	264000	652000	717000	637000	360000	598000	190000	129000	107000
6	63000	27000	140000	250000	660000	717000	656000	355000	592000	182000	136000	118000
7	58000	26000	162000	253000	665000	709000	678000	349000	580000	169000	153000	128000
8	57000	28000	174000	268000	658000	683000	698000	345000	577000	163000	169000	128000
9	54000	27000	196000	287000	655000	677000	719000	336000	577000	156000	174000	129000
10	52000	26000	216000	292000	611000	700000	698000	328000	575000	146000	174000	128000
11	52000	25000	232000	295000	599000	674000	682000	320000	577000	141000	171000	135000
12	53000	21000	255000	309000	584000	646000	669000	316000	570000	137000	170000	132000
13	53000	18000	279000	323000	533000	684000	659000	311000	565000	142000	166000	127000
14	48000	17000	300000	326000	476000	671000	648000	305000	546000	151000	156000	120000
15	45000	17000	325000	329000	434000	653000	638000	299000	527000	152000	145000	106000
16	43000	17000	341000	337000	398000	641000	624000	289000	517000	151000	137000	103000
17	41000	17000	345000	341000	369000	635000	613000	282000	503000	149000	128000	99000
18	39000	16000	353000	357000	360000	625000	601000	297000	494000	146000	116000	96000
19	37000	16000	377000	364000	356000	616000	592000	312000	484000	148000	110000	95000
20	36000	17000	397000	396000	356000	623000	579000	333000	484000	144000	106000	87000
21	37000	22000	397000	433000	335000	611000	576000	356000	465000	141000	106000	112000
22	36000	25000	402000	456000	325000	591000	573000	382000	429000	137000	104000	129000
23	36000	29000	410000	462000	325000	570000	583000	415000	404000	133000	96000	136000
24	36000	35000	409000	465000	345000	551000	569000	428000	379000	129000	91000	142000
25	37000	39000	363000	477000	451000	536000	567000	453000	353000	126000	83000	171000
26	36000	44000	358000	489000	488000	519000	533000	472000	316000	124000	80000	188000
27	34000	57000	356000	492000	486000	502000	508000	500000	285000	123000	74000	195000
28	31000	65000	351000	510000	524000	486000	482000	540000	254000	117000	62000	165000
29	29000	76000	340000	531000	---	495000	459000	582000	238000	112000	60000	142000
30	28000	83000	320000	557000	---	501000	436000	611000	224000	107000	63000	120000
31	27000	---	316000	594000	---	541000	---	603000	---	96000	70000	---

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1978 TO SEPTEMBER 1979

DATE	INSTANTANEOUS DIS- CHARGE (CFS)	SUS- PENDE SEDIM- ENT (MG/L)	SUS- PENDE SEDIM- ENT DIS- CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. * FINER THAN .062 MM
OCT				
13...	65700	296	53000	98
26...	79800	168	36200	96
NOV				
08...	72600	142	36000	96
22...	73500	126	25000	95
DEC				
08...	183000	352	174000	85
20...	313000	470	397000	73
JAN				
05...	277000	347	260000	81
17...	327000	387	342000	68
31...	365000	603	594000	74
FEB				
16...	252000	585	398000	79
MAR				
02...	308000	790	657000	84
14...	443000	562	672000	62
28...	518000	348	487000	61
APR				
09...	539000	495	720000	84
25...	597000	352	567000	68
MAY				
03...	592000	230	368000	66
17...	455000	230	283000	83
30...	440000	515	612000	85
JUN				
06...	377000	582	592000	82
20...	321000	559	484000	81
JUL				
05...	232000	303	190000	79
19...	190000	289	148000	85
AUG				
01...	176000	195	95000	92
16...	207000	245	137000	91
30...	143000	163	63000	93
SEP				
13...	200000	236	127000	93
27...	233000	310	195000	75

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°41'26", long 91°44'10", in SW 1/4 sec. 26, T.4 S., R.7 E., St. Helena Meridian, St. Landry-Pointe Coupee Parish line, Hydrologic Unit 08080101, at bridge on Texas & Pacific Railroad in Melville.

DRAINAGE AREA.--93,316 mi² (241,688 km²).

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

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: May 1979 to current year.

WATER TEMPERATURES: May 1979 to current year.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 596 micromhos Sep. 11, 1980; minimum daily, 207 micromhos May 21, 1980.

WATER TEMPERATURES: Maximum daily, 31.0°C July 14, 15, 17, Aug. 2, 3, 12-15, 18, 19, 20, 1980; minimum daily, 5.5°C Feb. 7, 1980.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily, 596 micromhos Sep. 11; minimum daily, 207 micromhos May 21.

WATER TEMPERATURES: Maximum daily, 31.0°C July 14, 15, 17, Aug. 2, 3, 12-15, 18, 19, 20, 24; minimum daily, 5.5°C Feb. 7.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (NTU)	SETTLE- ABLE MATTER (ML/L/ HR)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, TOTAL, IMMED. (COLS. PER 100 ML)
OCT 12...	1400	--	359	7.5	22.0	15	42	<1.0	8.9	21	--	1600
NOV 09...	1300	--	470	7.2	16.0	10	26	<1.0	8.4	20	.4	K600
DEC 14...	1500	--	298	7.0	--	30	100	<1.0	11.2	32	2.7	--
JAN 25...	0930	--	281	6.4	9.5	100	44	<1.0	10.9	22	3.1	2500
FEB 07...	0930	--	276	7.3	5.5	80	84	<1.0	12.1	24	3.4	K2000
MAR 12...	1300	--	408	7.7	10.5	10	50	<1.0	9.1	12	--	130
APR 09...	1000	448000	248	7.3	15.5	30	65	<1.0	9.3	20	2.4	290
MAY 07...	1300	342000	257	7.3	21.0	4	40	<1.0	8.0	26	4.6	--
JUN 04...	1100	245000	261	7.1	25.5	30	40	<1.0	7.2	25	5.4	K22
JUL 02...	1030	190000	472	7.5	30.5	20	140	<1.0	6.6	32	3.7	K250
AUG 13...	1330	94600	516	7.6	31.0	5	10	<1.0	7.8	16	1.5	12
SEP 10...	1130	99000	558	7.1	28.0	15	35	<1.0	<7.8	30	.5	<10

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count)

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	COLI-FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOC FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS CO3)
OCT 12...	110	K40	140	46	38	10	17	21	.6	3.5	110	0
NOV 09...	K120	K30	160	44	44	13	29	27	1.0	3.6	146	0
DEC 14...	K690	3100	100	29	28	7.7	18	27	.8	3.2	88	0
JAN 25...	K990	5400	95	27	26	7.2	16	26	.7	2.7	82	0
FEB 07...	K180	250	87	24	24	6.5	19	31	.9	2.6	77	0
MAR 12...	K40	210	140	44	37	11	27	29	1.0	2.7	114	0
APR 09...	K150	K73	94	33	26	7.0	16	26	.7	2.7	74	0
MAY 07...	--	K130	89	28	24	7.0	17	29	.8	2.4	74	0
JUN 04...	K170	1600	85	24	23	6.7	16	28	.8	2.4	74	0
JUL 02...	K500	K140	160	55	41	13	34	32	1.2	3.7	123	0
AUG 13...	K30	K40	170	53	44	14	36	31	1.2	3.6	140	0
SEP 10...	1000	2200	180	65	45	16	40	32	1.3	3.9	140	0

DATE	ALKA- LINITY (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDE (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
OCT 12...	90	46	25	.2	6.2	208	201	.28	89	1.2	.04	1.2
NOV 09...	120	65	32	.2	6.7	282	266	.38	46	.79	.01	.80
DEC 14...	72	32	24	.1	6.8	174	164	.24	216	.90	.04	.94
JAN 25...	67	27	21	.1	7.3	173	152	.24	174	.78	.05	.83
FEB 07...	63	33	23	.0	6.7	172	154	.23	136	.67	.04	.71
MAR 12...	94	52	35	.2	7.5	246	229	.33	89	.97	.03	1.0
APR 09...	61	42	14	.1	6.3	153	151	.21	69	.90	.04	.94
MAY 07...	61	29	20	.1	6.0	154	142	.21	133	.78	.01	.79
JUN 04...	61	29	19	.1	5.5	152	138	.21	8	.66	.01	.67
JUL 02...	101	52	45	.4	7.1	277	259	.38	220	2.0	.01	2.0
AUG 13...	115	70	43	.3	.9	303	283	.41	15	.47	.01	.48
SEP 10...	112	82	55	.2	6.5	350	322	.48	61	.96	.01	.97

K Results based on colony count outside the acceptable range (non-ideal count).

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)
OCT												
12...	1.2	.04	.04	.05	.05	.79	.62	.83	.17	.66	2.0	1.9
NOV												
09...	.80	--	.09	--	.12	--	.49	.63	.05	.58	1.4	1.4
DEC												
14...	.88	--	.04	--	.05	--	1.2	1.0	--	1.2	1.9	2.1
JAN												
25...	.83	.12	--	.15	--	.86	--	.98	.00	.98	1.8	1.8
FEB												
07...	.72	.07	.05	.08	.06	.70	.61	.77	.11	.66	1.5	1.4
MAR												
12...	1.0	.18	.10	.22	.13	.92	.60	1.1	.40	.70	2.1	1.7
APR												
09...	.98	.04	.04	.05	.05	.84	.55	.88	.29	.59	1.8	1.6
MAY												
07...	.76	.07	.01	.08	.01	1.1	.99	1.2	.20	1.0	2.0	1.8
JUN												
04...	.65	.03	.03	.04	.04	.93	--	.96	--	--	1.6	--
JUL												
02...	1.9	.01	.01	.01	.01	1.3	.59	1.3	.70	.60	3.3	2.5
AUG												
13...	.51	--	.09	--	.12	--	.33	.45	.03	.42	.93	.93
SEP												
10...	.96	.00	.00	.00	.00	.85	.77	.85	.08	.77	1.8	1.7

DATE	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDED RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, SUS- PENDED RECOV. (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)
OCT												
12...	9.0	.170	.050	2	1	1	200	140	60	0	--	<1
NOV												
09...	6.3	.130	.060	2	1	1	--	--	--	0	--	<1
DEC												
14...	8.6	.270	.050	2	1	1	--	--	--	0	--	<1
JAN												
25...	8.0	.160	.040	2	1	1	100	40	60	0	--	<1
FEB												
07...	6.6	.480	.030	2	2	0	--	--	--	0	--	<1
MAR												
12...	9.3	.190	.060	1	0	1	--	--	--	0	--	<1
APR												
09...	8.1	.170	.070	2	1	1	100	50	50	0	--	<1
MAY												
07...	8.8	.760	.050	2	1	1	--	--	--	0	--	<1
JUN												
04...	7.2	.130	.060	2	1	1	--	--	--	0	--	<1
JUL												
02...	15	.210	.090	3	2	1	100	20	80	0	--	<1
AUG												
13...	4.1	.090	.050	2	0	2	--	--	--	10	10	<1
SEP												
10...	8.1	.160	.090	2	0	2	--	--	--	10	10	<1

< Actual value is known to be less than the value shown.

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS. (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, SUS- PENDE RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)
OCT 12...	2	0	2	8	8	0	0	3	0	3	7	4
NOV 09...	4	3	1	0	--	--	0	--	--	--	1	--
DEC 14...	0	--	1	0	--	--	--	--	--	--	0	0
JAN 25...	1	0	1	0	0	0	0	3	0	3	7	5
FEB 07...	0	--	<1	10	--	--	0	--	--	--	0	--
MAR 12...	0	--	2	0	--	--	0	--	--	--	7	3
APR 09...	0	--	<1	0	0	0	0	2	--	3	6	--
MAY 07...	1	0	1	10	--	--	0	--	--	--	9	5
JUN 04...	1	--	2	0	--	--	0	--	--	--	17	8
JUL 02...	1	0	1	10	10	0	0	4	--	<3	17	7
AUG 13...	0	--	<1	0	--	--	0	--	--	--	12	9
SEP 10...	1	0	1	10	--	--	0	--	--	--	6	3

DATE	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV. (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)
OCT 12...	3	2200	2200	20	12	12	0	170	170	3	.1	.0
NOV 09...	2	--	--	10	11	10	1	--	--	--	.1	.1
DEC 14...	0	--	--	60	7	7	0	--	--	--	.1	.1
JAN 25...	2	6500	6400	90	7	5	2	200	180	20	.1	.1
FEB 07...	2	--	--	120	6	5	1	--	--	--	.1	.1
MAR 12...	4	--	--	140	5	5	0	--	--	--	.1	.1
APR 09...	8	4100	4000	80	3	3	0	140	120	20	.0	.0
MAY 07...	4	--	--	90	7	6	1	--	--	--	.0	.0
JUN 04...	9	--	--	260	11	11	0	--	--	--	.1	.1
JUL 02...	10	7100	7100	10	12	12	0	300	300	<1	.1	.1
AUG 13...	3	--	--	10	10	9	1	--	--	--	.1	.1
SEP 10...	3	--	--	10	5	5	0	--	--	--	.0	.0

< Actual value is known to be less than the value shown.

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	VANA- DIUM, DIS- SOLVED (UG/L AS V)
OCT 12...	.1	6	3	3	0	--	1	0	0	0	1.0
NOV 09...	.0	4	1	3	0	0	0	--	--	--	1.0
DEC 14...	.0	6	6	0	0	0	0	1	--	--	.0
JAN 25...	.0	13	8	5	0	0	0	0	0	0	.0
FEB 07...	.0	10	10	0	1	1	0	0	--	--	1.0
MAR 12...	.0	6	4	2	0	0	0	--	--	--	1.0
APR 09...	.0	10	--	--	0	0	0	0	0	0	1.0
MAY 07...	.0	7	3	4	0	0	0	0	--	--	1.0
JUN 04...	.0	6	4	2	0	0	0	--	--	--	.0
JUL 02...	.0	15	13	2	1	0	1	0	0	0	1.0
AUG 13...	.0	3	1	2	0	0	0	0	--	--	2.0
SEP 10...	.0	10	8	2	0	0	0	--	--	--	1.0

DATE	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARRON, ORGANIC TOTAL (MG/L AS C)	CARRON, ORGANIC DIS- SOLVED (MG/L AS C)	CARRON, ORGANIC SUS- PENDED (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GRFASE, TOTAL RECOV. GRAVI- METRIC (MG/L)	PCR, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)
OCT 12...	90	70	20	6.1	--	--	.00	6	0	.0	.00
NOV 09...	10	1	9	9.3	--	--	.00	0	0	.0	.00
DEC 14...	50	40	6	11	--	--	.00	0	0	.0	.00
JAN 25...	70	60	10	8.3	6.8	3.2	.00	6	0	.0	.00
FEB 07...	20	20	4	8.8	--	--	.00	3	1	.0	.00
MAR 12...	220	210	7	6.6	--	--	.00	0	0	.1	.00
APR 09...	30	10	20	7.7	6.0	.4	.00	0	1	.0	.00
MAY 07...	50	50	<3	14	--	--	.00	2	0	.0	.00
JUN 04...	30	20	6	9.0	--	--	.00	5	0	.0	.00
JUL 02...	40	40	4	11	6.8	.9	.00	9	1	.0	.00
AUG 13...	50	50	<3	3.8	--	--	.00	1	2	.0	.00
SEP 10...	20	20	4	7.6	--	--	.01	1	0	.0	.00

< Actual value is known to be less than the value shown.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDF, TOTAL (UG/L)	DDT, TOTAL (UG/L)	DI- AZINON, TOTAL (UG/L)	DI- FLDRIN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)
OCT 12...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00	.000
NOV 09...	.000	.0	.000	.000	.000	.03	.000	.000	.000	.00	.000
DEC 14...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00	.000
JAN 25...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00	.000
FEB 07...	.000	.0	.000	.000	.000	.01	.000	.000	.000	.00	.000
MAR 12...	.000	.0	.000	.000	.001	.00	.002	.000	.000	.00	.000
APR 09...	.000	.0	.000	.000	.003	.01	.002	.000	.000	.00	.000
MAY 07...	.000	.0	.001	.000	.005	.00	.001	.000	.000	.00	.000
JUN 04...	.000	.0	.004	.000	.002	.00	.002	.000	.000	.00	.000
JUL 02...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00	.000
AUG 13...	.000	.0	.000	.000	.000	.00	.000	.000	.000	.00	.000
SEP 10...	.000	.0	.000	.000	.000	.00	.003	.000	.000	.00	.000

[illegible]

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	PHYTO- PLANK- TON, TOTAL (CELLS PFR ML)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	SEDI- MENT, SUS- PENDED (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDED (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT										
12...	.00	.01	.01	.00	9100	3.57	.000	--	--	--
NOV										
09...	.00	.02	.01	.00	16000	--	--	200	--	90
DEC										
14...	.10	.10	.00	.00	--	--	--	224	--	97
JAN										
25...	.00	.01	.00	.00	--	--	--	264	--	94
FEB										
07...	.00	.01	.01	.00	--	--	--	235	--	90
MAR										
12...	.00	.02	.00	.00	3400	--	--	166	--	93
APR										
09...	.00	.03	.00	.00	--	--	--	161	195000	97
MAY										
07...	.00	.03	.00	.00	6100	2.66	.000	217	200000	94
JUN										
04...	.00	.03	.00	.00	2200	7.59	.000	180	119000	90
JUL										
02...	.00	.00	.00	.00	1900	--	--	340	174000	96
AUG										
13...	.00	.06	.02	.00	36000	--	--	90	23000	98
SEP										
10...	.00	.00	.00	.00	--	9.80	.000	115	30700	97

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	342	442	342	306	277	312	241	253	265	474	435	481
2	332	473	336	322	290	314	238	255	263	473	457	461
3	327	452	312	337	282	315	241	---	263	460	456	486
4	321	420	344	310	287	330	236	---	262	448	465	469
5	339	419	339	296	287	343	---	259	259	432	473	467
6	362	431	341	285	282	354	---	---	264	432	471	492
7	360	439	343	286	---	367	---	---	307	431	486	492
8	356	455	338	283	289	391	---	255	307	419	493	494
9	360	469	326	283	275	397	255	255	309	425	493	515
10	367	463	337	294	289	399	250	275	334	428	494	547
11	356	458	320	300	235	394	254	276	303	425	493	596
12	344	457	336	293	248	412	265	276	326	447	508	502
13	357	427	344	283	249	415	263	269	338	444	516	500
14	355	409	323	289	232	399	263	266	534	453	526	500
15	355	395	311	296	222	399	259	259	531	453	490	500
16	359	383	309	313	223	346	258	260	531	446	495	---
17	381	381	307	310	224	---	259	232	529	443	495	---
18	379	394	304	314	223	---	262	232	496	449	502	466
19	376	399	305	329	216	345	259	231	452	453	508	468
20	389	383	306	332	221	328	254	208	443	455	512	420
21	390	383	298	328	225	322	257	207	430	457	513	420
22	388	334	339	321	218	297	244	220	432	457	514	421
23	394	335	340	277	246	297	247	222	463	446	517	423
24	424	329	342	276	245	296	248	240	493	472	519	420
25	415	338	326	275	246	276	245	244	486	471	518	418
26	414	331	325	282	244	267	259	250	505	439	484	422
27	434	331	303	262	252	257	257	258	522	437	503	456
28	435	334	299	275	268	269	252	262	541	436	490	458
29	430	326	302	313	280	238	252	254	539	482	475	457
30	445	329	303	305	---	237	252	244	473	455	471	466
31	434	---	312	276	---	237	---	263	---	422	482	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.0	19.0	11.0	10.0	8.0	9.5	14.0	19.0	24.0	28.5	30.0	28.5
2	24.0	19.0	11.0	9.0	8.0	9.5	14.0	18.5	25.5	28.5	31.0	29.0
3	23.0	17.0	10.5	9.0	7.0	9.5	15.0	---	25.5	29.0	31.0	29.0
4	23.0	17.5	10.0	9.0	7.0	9.5	14.0	---	25.5	---	29.5	29.0
5	22.0	17.5	11.0	9.0	7.0	9.0	---	---	25.5	30.0	30.0	29.0
6	22.0	17.5	11.0	9.0	8.0	8.5	---	---	26.0	30.0	30.0	29.0
7	22.0	16.5	11.0	9.5	5.5	12.0	---	---	27.0	30.0	29.0	29.0
8	22.0	16.0	9.0	8.5	8.0	11.0	---	---	27.0	29.0	30.0	29.0
9	21.5	16.0	9.0	8.5	6.0	11.0	---	20.5	27.0	29.5	30.0	29.5
10	20.0	17.0	9.0	9.0	6.0	11.0	---	21.5	27.0	30.0	30.0	29.5
11	21.0	17.0	9.0	10.5	6.0	11.0	---	21.5	27.0	30.0	30.0	30.0
12	20.0	15.5	11.0	8.5	7.5	---	15.0	21.5	26.5	30.0	31.0	29.0
13	19.5	15.0	10.5	9.0	7.0	11.5	15.5	22.5	26.5	30.0	31.0	29.0
14	19.0	15.0	10.5	9.0	7.5	10.5	15.5	22.5	26.5	31.0	31.0	29.0
15	19.0	15.5	10.5	9.0	7.5	10.5	15.5	22.5	26.5	31.0	31.0	29.0
16	20.0	15.0	10.5	10.0	8.0	10.5	15.5	22.5	26.5	30.0	30.5	---
17	20.0	15.0	9.0	10.0	8.0	---	16.0	22.5	26.5	31.0	30.0	---
18	19.5	13.5	9.5	10.0	8.0	---	16.0	22.5	27.0	30.5	31.0	29.0
19	20.0	13.5	9.5	10.0	9.0	12.0	15.5	22.5	27.5	30.0	31.0	29.0
20	20.5	13.0	8.5	10.0	9.5	13.0	16.0	23.5	27.5	30.5	31.0	29.0
21	20.5	13.5	8.5	10.0	9.5	11.0	16.0	23.5	26.5	30.5	30.0	28.5
22	20.5	12.5	10.0	10.0	11.0	13.0	17.0	22.0	26.5	30.0	30.0	28.5
23	19.5	12.5	10.0	10.0	11.0	13.0	17.0	23.5	27.0	30.0	30.0	28.0
24	19.0	12.5	10.0	10.0	11.0	13.0	17.0	24.5	27.0	29.5	31.0	27.5
25	19.5	12.5	13.5	10.0	11.0	13.0	17.0	24.5	27.0	30.5	30.0	28.5
26	19.5	12.5	9.5	---	9.5	13.0	17.0	24.5	27.0	---	29.0	27.5
27	19.5	12.0	9.5	10.0	10.0	13.0	17.0	24.5	28.0	---	29.0	27.0
28	19.5	13.0	9.5	10.0	10.0	13.0	17.0	24.0	28.5	---	29.5	27.0
29	19.5	12.0	9.5	10.0	11.0	13.0	17.5	24.0	28.5	---	29.5	27.0
30	20.0	12.0	14.0	9.5	---	13.0	18.0	24.0	28.5	29.5	29.0	26.0
31	20.0	---	13.5	8.5	---	14.0	---	24.0	---	29.0	30.0	---

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980

DATE TIME	OCT 12,79 1400	NOV 9,79 1300	MAR 12,80 1300	MAY 7,80 1300
TOTAL CELLS/ML	9100	16000	3400	6100
DIVERSITY: DIVISION	0.7	1.0	1.4	1.7
..CLASS	0.7	1.0	1.4	1.7
..ORDER	0.8	1.5	1.8	2.1
...FAMILY	0.8	1.9	1.9	2.5
....GENUS	0.9	0.0	2.2	3.4

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
...CHARACIACEAE								
...SCHROEDERIA	--	-	--	-	--	-	--	-
...COELASTRACEAE								
...COELASTRUM	--	-	--	-	--	-	--	-
...MICRACETINACEAE								
...GOLENKINIA	--	-	--	-	--	-	--	-
...OOCYSTACEAE								
...ANKISTRODESMUS	--	-	190	1	130	4	200	3
...CHLORELLA	--	-	--	-	--	-	--	-
...CHODATELLA	--	-	--	-	* 0		--	-
...DICTYOSPHAERIUM	--	-	--	-	--	-	460	8
...FRANCEIA	--	-	* 0		--	-	--	-
...KIRCHNERIELLA	--	-	83	1	--	-	350	6
...OOCYSTIS	--	-	* 0		--	-	220	4
...SELENASTRUM	--	-	--	-	--	-	--	-
...TETRAEDRON	--	-	--	-	57	2	--	-
...SCENEDESMACEAE								
...ACTINASTRUM	--	-	220	1	--	-	150	2
...CRUCIGENIA	--	-	--	-	57	2	370	6
...SCENEDESMUS	460	5	1100	7	57	2	150	2
...TETRASTRUM	--	-	330	2	--	-	74	1
...TETRASPORALES								
...COCCOMYXACEAE								
...ELAKATOTHRIX	--	-	--	-	--	-	37	1
...VOLVOCALES								
...CHLAMYDOMONADACEAE								
...CARTERIA	--	-	* 0		--	-	--	-
...CHLAMYDOMONAS	--	-	* 0		99	3	110	2
...ZYGNEMATALES								
...DESMIDIACEAE								
...CLOSTERIUM	--	-	--	-	--	-	--	-
...COSMARIUM	--	-	--	-	--	-	--	-
...EUASTRUM	--	-	--	-	--	-	--	-
CHRYSOPHYTA								
..BACILLARIOPHYCEAE								
..CENTRALES								
...COSCINODISCACEAE								
...COSCINODISCUS							* 0	
...CYCLOTELLA	390	4	440	3	960#	28	480	8
...MELOSIRA	390	4	780	5	57	2	630	10
...SKELETONEMA	--	-	--	-	28	1	--	-
...STEPHANODISCUS	--	-	--	-	--	-	130	2
...PENNALES								
...FRAGILARIACEAE								
...ASTERIONELLA	--	-	--	-	230	7	150	2
...FRAGILARIA	--	-	--	-	--	-	--	-
...SYNEDRA	--	-	* 0		--	-	92	2
...NAVICULACEAE								
...NAVICULA	--	-	* 0		--	-	--	-
...NITZSCHACEAE								
...NITZSCHIA	--	-	* 0		71	2	74	1
..CHRYSOPHYCEAE								
...CHRYSOMONADALES								
...CHROMULINACEAE								
...CHRYSOCOCCUS	--	-	* 0		--	-	--	-
...OCHROMONADACEAE								
...OCHROMONAS	--	-	--	-	--	-	* 0	
CRYPTOPHYTA (CRYPTOMONADS)								
..CRYPTOPHYCEAE								
...CRYPTOMONADALES								
...CRYPTOCHRYSIDACEAE								
...CHROOMONAS	--	-	--	-	--	-	--	-
...CRYPTOMONADACEAE								
...CRYPTOMONAS	--	-	--	-	--	-	* 0	

NOTE: # = DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* = OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

MISSISSIPPI RIVER DELTA

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

PHYTOPLANKTON ANALYSES: OCTOBER 1979 TO AUGUST 1980

DATE TIME	OCT 12.79 1400	NOV 9.79 1300	MAR 12.80 1300	MAY 7.80 1300				
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
...CHROOCOCCACEAE								
....AGMENELLUM	--	-	1800	11	--	-	--	-
....ANACYSTIS	150	2	170	1	--	-	130	2
...HORMOGONALES								
...NOSTOCACEAE								
....ANARAENA	--	-	1100	6	--	-	--	-
...OSCILLATORIACEAE	--	-	8300#	51	--	-	--	-
....LYNGRYA	--	-	1200	7	--	-	--	-
...OSCILLATORIA	7700#	85	360	2	1700#	49	2200#	36
...RIVULARIACEAE								
...RAPHIDIOPSIS	--	-	--	-	--	-	--	-
EUGLENOPHYTA (EUGLENOIDS)								
..EUGLENOPHYCEAE								
...EUGLENALES								
...EUGLENACEAE								
....EUGLENA	--	-	--	-	--	-	--	-
....TRACHELOMONAS	--	-	--	-	--	-	*	0
PYRRHOPHYTA (FIRE ALGAE)								
..DINOPHYCEAE								
...GYMNODINIALES								
...GYMNODINIACEAE								
....GYMNODINIUM	--	-	--	-	--	-	37	1
DATE TIME	JUN 4.80 1100	JUL 2.80 1030	AUG 13.80 1330					
TOTAL CELLS/ML	2200	1900	36000					
DIVERSITY: DIVISION	1.5	1.7	1.1					
..CLASS	1.5	1.7	1.1					
...ORDER	1.6	1.9	1.9					
...FAMILY	1.8	2.6	2.1					
....GENUS	2.5	3.4	2.7					

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)						
..CHLOROPHYCEAE						
...CHLOROCOCCALES						
...CHARACIACEAE						
...SCHROEDERIA	13	1	--	-	--	-
...COELASTRACEAE						
...COELASTRUM	--	-	230	12	--	-
...MICRACETINACEAE						
...GOLENKINIA	13	1	--	-	--	-
...OOCYSTACEAE						
....ANKISTRODESMUS	65	3	14	1	*	0
....CHLORELLA	13	1	--	-	--	-
....CHODATELLA	--	-	--	-	--	-
....DICTYOSPHAERIUM	--	-	100	5	2800	8
....FRANCEIA	--	-	--	-	--	-
....KIRCHNERIELLA	--	-	58	3	--	-
...OOCYSTIS	26	1	43	2	650	2
...SELENASTRUM	26	1	--	-	*	0
...TETRAEDRON	--	-	--	-	--	-
...SCENEDESMACEAE						
...ACTINASTRUM	100	5	72	4	--	-
...CRUCIGENIA	--	-	--	-	--	-
...SCENEDESMUS	78	4	120	6	1200	3
...TETRASTRUM	--	-	58	3	--	-
...TETRASPORALES						
...COCCOMYXACEAE						
...FLAKATOTHRIX	--	-	--	-	--	-
...VOLVOCALES						
...CHLAMYDOMONADACEAE						
...CARTERIA	--	-	--	-	--	-
...CHLAMYDOMONAS	26	1	29	2	*	0
...ZYGNEMATALES						
...DESMIDIACEAE						
...CLOSTERIUM	--	-	--	-	*	0
...COSMARIUM	--	-	--	-	*	0
...EUASTRUM	--	-	--	-	*	0

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

07381495 ATCHAFALAYA RIVER AT MELVILLE, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980

DATE TIME	JUN 4,80 1100		JUL 2,80 1030		AUG 13,80 1330	
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHRYSPHYTA						
..RACILLARIOPHYCEAE						
...CENTRALES						
...COSCINODISCACEAE						
....COSCINODISCUS	26	1	29	2	850	2
....CYCLOTELLA	130	6	190	10	700	2
....MELOSIRA	1000#	47	450#	23	1900	5
....SKELETONEMA	--	--	--	--	--	--
....STEPHANODISCUS	78	4	14	1	--	--
...PENNALFS						
...FRAGILARIACEAE						
....ASTERIONELLA	--	--	--	--	--	--
....FRAGILARIA	--	--	--	--	*	0
....SYNEDRA	--	--	--	--	--	--
...NAVICULACEAE						
....NAVICULA	--	--	--	--	*	0
...NITZSCHACEAE						
....NITZSCHIA	26	1	29	2	200	1
..CHRYSOPHYCEAE						
...CHRYSOMONADALES						
...CHROMULINACEAE						
...CHRYSOCCOCUS	--	--	--	--	--	--
...OCHROMONADACEAE						
....OCHROMONAS	--	--	--	--	--	--
CRYPTOPHYTA (CRYPTOMONADS)						
..CRYPTOPHYCEAE						
...CRYPTOMONADALES						
...CRYPTOCHRYSIDACEAE						
....CHROMONAS	--	--	--	--	*	0
...CRYPTOMONADACEAE						
....CRYPTOMONAS	--	--	14	1	*	0
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
...CHROOCOCCALES						
...CHROOCOCCACEAE						
....AGMENELLUM	--	--	--	--	--	--
....ANACYSTIS	--	--	29	2	7900#	22
...HORMOGONALES						
...NOSTOCACEAE						
....ANABAENA	--	--	--	--	300	1
...OSCILLATORIACEAE	--	--	--	--	--	--
....LYNGBYA	--	--	--	--	3500	10
...OSCILLATORIA	520#	23	400#	21	15000#	41
...RIVULARIACEAE						
....RAPHIDIOPSIS	--	--	29	2	--	--
EUGLENOPHYTA (EUGLENOIDS)						
..EUGLENOPHYCEAE						
...EUGLENALES						
...EUGLEFNACEAE						
....EUGLENA	39	2	--	--	--	--
....THACHELOMONAS	--	--	14	1	*	0
PYRRHOPHYTA (FIRE ALGAE)						
..DINOPHYCEAE						
...GYMNODINIALFS						
...GYMNODINIACEAE						
....GYMNODINIUM	--	--	--	--	--	--

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

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, Hydrologic Unit 08080102, 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.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--August 1959 to current year. Daily gage heights since July 1913 in reports of Corps of Engineers.

REMARKS.--Records good below 1,700 cfs and poor above. Bayou Teche heads in Bayou Courtableau at Port Barre. At high stages, considerable flow bypasses station by way of Bayou Courtableau at weirs near Krotz Springs. There is controlled diversion to or from Red River and Old River overflow areas through Bayou des Glaisses floodgates and to or from West Atchafalaya Floodway through Big D'Arbonne 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 from irrigation is diverted through Ruth Canal (station 07386700) into Vermilion River. Crest of dam raised from 8.0 ft (2.44 m) to 9.47 ft (2.886 m) in June 1957.

AVERAGE DISCHARGE.--21 years, 512 ft³/s (14.50 m³/s), 370,900 acre-ft/yr (457 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 3,970 ft³/s (112 m³/s) Sept. 5, 1973, maximum gage height, 15.59 ft (4.752 m) Oct. 4, 1964; minimum discharge, no flow Aug. 10-29, 1962, June 12-16, 1963, July 24, 1964, July 21, 1972.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since July 1913, 24.30 ft (7.407 m) May 27, 1927 (discharge not determined); minimum gage height, 0.75 ft (0.229 m) July 18, 1918.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 2,410 ft³/s (68.3 m³/s) May 17 (affected by backwater); maximum gage height, 13.60 ft (4.145 m), minimum daily discharge, 22 ft³/s (0.62 m³/s) Aug. 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	723	449	783	563	677	695	1620	765	648	164	144	80
2	721	557	768	545	649	815	2150	749	608	165	144	80
3	695	643	723	554	625	827	2000	734	601	148	148	84
4	676	621	672	555	602	811	1640	714	619	111	167	84
5	630	577	619	574	598	767	1460	703	622	89	193	86
6	596	539	572	599	614	677	1320	651	619	75	200	89
7	574	501	530	629	556	615	1120	478	613	69	212	93
8	537	494	513	644	536	609	1140	456	616	55	206	97
9	514	502	490	783	612	585	1080	443	600	58	183	100
10	537	526	466	777	781	551	1020	411	582	102	181	99
11	557	564	459	1270	857	517	952	402	562	103	185	102
12	532	660	449	1270	876	511	1020	385	527	107	185	108
13	551	627	625	1200	858	486	2120	390	487	107	184	115
14	609	517	808	1090	841	357	1700	441	453	109	180	122
15	652	480	858	958	816	350	1510	580	417	111	173	111
16	615	476	862	870	826	337	1410	2170	397	99	179	99
17	526	502	852	1040	802	393	1300	2410	376	88	196	111
18	485	508	821	934	766	561	1220	2140	352	81	185	111
19	472	490	803	808	723	643	1120	2010	331	67	176	96
20	452	470	779	706	680	613	1050	1960	330	60	172	91
21	437	440	752	625	621	612	989	1680	308	81	165	88
22	483	431	731	610	596	618	944	1570	346	134	164	82
23	464	585	727	763	587	611	917	1480	261	107	163	79
24	518	733	837	819	581	695	894	1390	280	88	161	83
25	585	1220	798	855	558	634	900	1280	264	95	160	86
26	565	1040	786	893	561	649	979	1160	236	115	150	87
27	507	938	762	858	614	753	864	1080	212	137	115	84
28	458	866	717	815	591	1890	824	986	199	134	22	75
29	438	810	675	797	559	2190	807	890	198	131	57	74
30	414	785	619	758	---	2210	789	794	184	132	105	146
31	445	---	590	755	---	1800	---	716	---	134	100	---
TOTAL	16968	18551	21446	24921	19563	24382	36859	32018	12848	3256	4955	2842
MEAN	547	618	692	804	675	787	1229	1033	428	105	160	94.7
MAX	723	1220	862	1270	876	2210	2150	2410	648	165	212	146
MIN	414	431	449	545	536	337	789	385	184	55	22	74
CAL YR 1979	TOTAL	259194		MEAN 710	MAX 2650	MIN 102						
WTR YR 1980	TOTAL	218609		MEAN 597	MAX 2410	MIN 22						

07385700 BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.65	10.35	10.72	10.48	10.61	10.63	11.53	10.78	10.66	10.01	9.97	9.83
2	10.66	10.48	10.71	10.46	10.58	10.75	12.01	10.76	10.61	10.01	9.97	9.83
3	10.63	10.57	10.65	10.47	10.55	10.77	11.79	10.75	10.61	9.98	9.98	9.84
4	10.61	10.55	10.60	10.48	10.53	10.75	11.54	10.73	10.62	9.90	10.01	9.84
5	10.56	10.50	10.55	10.50	10.52	10.70	11.41	10.72	10.63	9.85	10.06	9.84
6	10.52	10.46	10.49	10.52	10.54	10.61	11.30	10.66	10.63	9.82	10.08	9.85
7	10.50	10.41	10.45	10.56	10.48	10.54	11.12	10.47	10.62	9.80	10.10	9.86
8	10.45	10.40	10.43	10.57	10.45	10.53	11.14	10.44	10.62	9.76	10.09	9.87
9	10.43	10.41	10.40	10.72	10.54	10.51	11.08	10.42	10.60	9.76	10.05	9.88
10	10.45	10.44	10.37	10.71	10.72	10.47	11.03	10.38	10.58	9.88	10.04	9.88
11	10.48	10.48	10.36	11.17	10.80	10.43	10.97	10.37	10.56	9.88	10.05	9.88
12	10.45	10.59	10.35	11.17	10.82	10.42	11.03	10.35	10.52	9.89	10.05	9.89
13	10.47	10.55	10.55	11.12	10.80	10.39	11.86	10.36	10.48	9.89	10.05	9.91
14	10.53	10.43	10.75	11.01	10.78	10.23	11.59	10.42	10.44	9.90	10.04	9.92
15	10.58	10.39	10.80	10.89	10.76	10.22	11.45	10.58	10.39	9.90	10.03	9.90
16	10.54	10.38	10.80	10.81	10.77	10.21	11.37	12.10	10.36	9.88	10.04	9.88
17	10.44	10.41	10.79	10.97	10.74	10.28	11.28	13.14	10.34	9.85	10.07	9.90
18	10.39	10.42	10.76	10.87	10.70	10.48	11.21	11.97	10.31	9.83	10.05	9.90
19	10.38	10.40	10.74	10.75	10.66	10.57	11.13	11.80	10.28	9.80	10.03	9.87
20	10.35	10.38	10.72	10.64	10.61	10.54	11.06	11.76	10.28	9.78	10.02	9.86
21	10.34	10.34	10.69	10.55	10.55	10.54	11.00	11.58	10.25	9.83	10.01	9.85
22	10.39	10.33	10.67	10.53	10.52	10.54	10.96	11.50	10.30	9.94	10.01	9.83
23	10.37	10.51	10.66	10.70	10.51	10.54	10.94	11.42	10.18	9.89	10.01	9.83
24	10.43	10.67	10.77	10.76	10.50	10.63	10.91	11.35	10.21	9.85	10.00	9.84
25	10.51	11.13	10.74	10.79	10.47	10.56	10.92	11.26	10.18	9.87	10.00	9.85
26	10.49	10.98	10.72	10.83	10.48	10.58	10.99	11.16	10.14	9.91	9.98	9.85
27	10.42	10.88	10.70	10.80	10.54	10.68	10.88	11.09	10.10	9.95	9.91	9.84
28	10.36	10.81	10.65	10.75	10.51	11.64	10.84	11.00	10.08	9.95	9.65	9.82
29	10.34	10.75	10.61	10.73	10.48	12.16	10.83	10.91	10.07	9.94	9.77	9.82
30	10.30	10.72	10.55	10.69	---	12.25	10.81	10.81	10.05	9.94	9.87	9.97
31	10.35	---	10.51	10.69	---	11.66	---	10.73	---	9.95	9.89	---
MEAN	10.46	10.54	10.62	10.73	10.60	10.70	11.20	11.02	10.39	9.88	10.00	9.86
MAX	10.66	11.13	10.80	11.17	10.82	12.25	12.01	13.14	10.66	10.01	10.10	9.97
MIN	10.30	10.33	10.35	10.46	10.45	10.21	10.81	10.35	10.05	9.76	9.65	9.82

07385700 BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1966-67, 1975 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to current year.

WATER TEMPERATURES: October 1974 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 522 micromhos July 22, 1980; minimum, 39 micromhos May 19, 1980.

WATER TEMPERATURES: Maximum, 36.0°C July 8, 1980; minimum, 3.5°C Jan. 19, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 522 micromhos July 22; minimum, 39 micromhos May 19.

WATER TEMPERATURES: Maximum, 36.0°C July 8; minimum, 7.0°C Dec. 19.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT											
24...	1145	535	93	6.2	22.5	80	25	6.8	1.4	400	780
NOV											
21...	1100	426	142	6.9	17.5	80	27	6.5	2.9	220	2200
DEC											
11...	1130	466	97	6.1	12.5	100	33	6.7	2.7	K16000	4600
JAN											
24...	1315	820	127	6.8	15.0	120	110	8.0	2.2	4400	7200
FEB											
13...	1045	860	97	6.6	8.5	120	140	8.9	--	1600	4900
MAR											
06...	1400	670	97	6.6	13.0	80	130	9.1	1.5	490	730
APR											
08...	1100	260	86	6.8	21.5	100	76	9.0	2.4	5000	7200
MAY											
14...	1100	426	113	6.8	24.0	120	55	6.4	.8	250	340
JUN											
10...	1200	598	94	6.3	28.0	14	58	4.9	.6	200	140
JUL											
09...	1000	45	306	6.8	32.5	20	23	5.8	1.6	K160	8200
AUG											
08...	1145	--	432	7.6	30.5	15	24	6.1	2.9	100	K110
SEP											
04...	1015	84	401	7.4	28.0	20	30	7.2	--	110	K140

DATE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAH- BONATE (MG/L AS C03)	ALKA- LITY (MG/L AS CAC03)
OCT											
24...	23	3	5.8	2.1	7.8	39	.7	3.1	24	0	20
NOV											
21...	36	0	9.0	3.3	12	50	.9	3.2	45	0	37
DEC											
11...	27	3	6.6	2.5	9.1	51	.8	2.3	29	0	24
JAN											
24...	40	0	10	3.6	9.2	32	.6	2.7	49	0	40
FEB											
13...	30	4	6.8	3.1	7.4	33	.6	2.6	31	0	25
MAR											
06...	34	3	8.4	3.2	5.7	25	.4	2.4	38	0	31
APR											
08...	26	0	8.2	1.3	5.0	27	.4	2.5	36	0	30
MAY											
14...	32	7	7.7	3.0	9.0	37	.7	1.8	30	0	25
JUN											
10...	29	3	6.9	2.8	7.2	34	.6	1.8	31	0	25
JUL											
09...	97	0	24	9.0	22	32	1.0	3.7	114	0	94
AUG											
08...	130	9	32	13	33	34	1.2	4.1	152	0	125
SEP											
04...	120	0	28	11	37	40	1.5	3.3	150	0	123

K Results based on colony count outside the acceptable range (non-ideal count).

07385700 BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

WATER QUALITY DATA. WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CARBON DIOXIDE DIS- SOLVED (MG/L AS CO ₂)	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLORIDE DIS- SOLVED (MG/L AS CL)	FLUORIDE DIS- SOLVED (MG/L AS F)	SILICA DIS- SOLVED (MG/L AS SiO ₂)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
ST 24...	24	7.0	11	.0	6.2	76	55	.10	--	.38	.18
JV 21...	9.3	8.3	15	.1	12	118	85	.16	.08	.13	.17
EC 11...	38	5.3	11	.1	9.0	81	60	.11	.04	.04	.10
AN 24...	12	3.1	12	.1	9.4	95	74	.13	.18	.19	.17
EB 13...	12	5.6	10	.1	4.6	77	56	.10	.33	.33	.20
MAR 06...	15	2.1	9.2	.1	4.9	78	55	.11	.27	.28	.22
APR 08...	9.1	1.6	5.8	.0	5.6	62	48	.08	.30	.18	.28
MAY 14...	7.6	4.6	13	.2	6.2	79	61	.11	.21	--	.19
JUN 10...	25	1.7	9.4	.0	7.5	62	53	.08	.26	.23	.22
JUL 09...	29	11	25	.2	13	183	164	.25	.32	.34	.16
AUG 08...	6.1	20	49	.3	16	257	243	.35	.22	.23	.17
SEP 04...	9.4	10	51	.2	17	237	232	.32	.04	.07	.18
DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH ₄)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH ₄)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH ₄ + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO ₃)
OCT 24...	.20	.22	.26	.81	--	.99	--	--	--	--	--
NOV 21...	.16	.21	.21	.69	.74	.86	--	.90	.94	1.0	4.2
DEC 11...	.01	.12	.01	.66	.55	.76	.20	.56	.80	.60	3.5
JAN 24...	.06	.21	.08	1.0	.94	1.2	.20	1.0	1.4	1.2	6.1
FEB 13...	.12	.24	.15	1.4	1.4	1.6	.10	1.5	1.9	1.8	8.5
MAR 06...	.04	.27	.05	1.2	.77	1.4	.59	.81	1.7	1.1	7.4
APR 08...	.27	.34	.35	.92	.65	1.2	.28	.92	1.5	1.1	6.6
MAY 14...	--	.19	--	.74	--	.93	--	--	1.1	--	5.0
JUN 10...	.12	.27	.15	.88	.52	1.1	.46	.64	1.4	.87	6.0
JUL 09...	.07	.19	.09	1.1	.18	1.3	1.1	.25	1.6	.59	7.2
AUG 08...	.15	.21	.19	.93	.85	1.1	.10	1.0	1.3	1.2	5.8
SEP 04...	.17	.22	.22	1.3	1.5	1.5	--	1.7	1.5	1.8	6.7

07385700 BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS P ₄)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE (MG/L AS C)
OCT 24...	.260	.80	.140	0	0	0	--	13	.5
NOV 21...	.200	.61	.130	--	--	--	11	--	--
DEC 11...	--	--	.290	0	--	--	10	--	--
JAN 24...	.210	.64	.170	0	0	0	--	10	2.1
FEB 13...	.310	.95	.100	--	--	--	11	--	--
MAR 06...	.290	.89	.130	0	--	--	14	--	--
APR 08...	.320	.98	.140	0	0	0	--	10	1.5
MAY 14...	.280	.86	.160	0	--	--	14	--	--
JUN 10...	.150	.46	.040	--	--	--	14	--	--
JUL 09...	.310	.95	.180	0	0	0	--	7.5	.8
AUG 08...	.310	.95	.240	0	--	--	5.2	--	--
SEP 04...	.330	1.0	.230	--	--	--	12	--	--

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 24...	4	1	3	200	150	50	3	2	1	0
JAN 24...	3	1	2	--	--	40	0	--	<1	10
APR 08...	3	1	2	100	60	40	0	--	<1	0
JUL 09...	5	1	4	100	10	90	0	--	<1	10

DATE	CHRO- MIUM, SUS- PENDE RECOV. (UG/L AS CR)	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CU)	COBALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 24...	0	0	0	<3	15	4	11	2000	1500	470
JAN 24...	10	0	0	<3	9	3	6	3800	3700	130
APR 08...	0	0	2	3	10	4	6	3900	3800	60
JUL 09...	10	0	4	<3	6	1	5	880	870	10

< Actual value is known to be less than the value shown.

07385700 BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 24...	6	4	2	80	--	--	.2	.2	.0
JAN 24...	9	9	0	100	70	30	.1	.1	.0
APR 08...	4	4	0	110	80	30	.1	.1	.0
JUL 09...	7	7	0	260	260	1	.0	.0	.0

DATE	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, SUS- PENDE RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SF)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 24...	7	3	4	0	0	0	50	20	30
JAN 24...	11	8	3	0	0	0	30	30	<3
APR 08...	10	8	2	0	0	0	20	20	3
JUL 09...	6	1	5	0	0	0	20	20	<3

DATE	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 24...	--	71	103	72
NOV 21...	140	32	37	94
DEC 11...	--	44	55	91
JAN 24...	--	99	219	98
FEB 13...	--	189	439	97
MAR 06...	360	116	210	98
APR 08...	--	114	80	91
MAY 14...	270	76	87	72
JUN 10...	140	122	197	80
JUL 09...	13000	74	9.0	86
AUG 08...	2100	78	--	96
SEP 04...	--	76	17	88

< Actual value is known to be less than the value shown.

07385700 BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	S
1	79	130	106	96	99	101	71	97	98	366	416	---
2	86	128	105	95	106	---	70	98	---	403	396	4
3	91	114	106	101	---	103	72	100	---	380	---	4
4	94	105	111	102	101	96	72	105	96	---	410	4
5	93	105	111	100	114	95	70	119	98	300	429	4
6	97	122	110	---	113	95	76	119	88	---	399	4
7	95	121	108	85	111	---	78	116	81	312	392	4
8	93	126	114	89	108	---	---	121	---	314	438	3
9	95	133	---	94	103	106	89	122	78	308	466	3
10	87	131	99	100	97	109	89	114	100	---	470	4
11	88	130	101	103	96	125	93	---	100	315	445	4
12	80	127	98	82	99	126	94	111	117	360	410	---
13	84	116	100	75	102	123	83	117	141	341	413	4
14	77	116	94	68	94	134	74	116	151	363	423	4
15	75	120	98	80	93	150	58	---	175	368	432	4
16	76	142	94	88	92	---	66	---	180	400	415	4
17	78	135	100	86	---	143	73	41	194	427	---	4
18	78	151	96	106	---	147	77	---	194	473	385	4
19	97	129	94	106	---	158	78	39	194	469	350	4
20	108	130	92	---	102	269	76	44	200	---	386	4
21	82	141	94	104	95	140	82	49	226	470	401	4
22	84	144	94	116	105	131	87	56	---	522	412	4
23	93	134	101	121	103	137	91	60	231	470	413	4
24	87	138	100	124	---	121	90	75	212	389	400	4
25	90	---	92	117	97	130	92	---	267	386	400	4
26	94	118	92	110	99	134	---	---	306	423	366	4
27	91	---	92	100	99	127	---	78	283	498	361	---
28	106	114	98	103	101	111	94	78	318	521	379	---
29	165	109	103	103	100	95	91	89	382	428	387	4
30	132	106	96	98	---	61	99	93	361	405	410	4
31	130	---	101	103	---	71	---	83	---	363	---	---

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	S
1	23.5	18.5	8.5	8.5	9.5	15.0	18.0	20.5	26.0	31.0	30.5	---
2	24.0	17.5	9.5	12.0	9.0	---	18.5	21.5	---	31.0	31.0	28
3	25.0	17.0	10.0	18.0	---	11.5	19.5	21.5	---	30.5	---	28
4	24.5	16.5	8.5	11.0	9.5	11.5	18.0	22.0	27.0	---	30.0	28
5	21.5	16.5	9.0	12.0	10.0	14.0	19.5	22.0	27.5	33.0	30.0	27
6	23.0	17.0	11.5	---	12.0	12.0	19.0	23.0	29.0	---	29.0	27
7	22.0	16.0	12.0	14.0	9.0	---	20.0	23.5	30.5	35.0	29.5	27
8	22.5	16.5	12.5	12.5	10.0	---	21.0	24.5	---	36.0	29.0	27
9	23.0	20.5	---	11.5	10.0	16.5	20.0	24.5	29.5	31.5	29.5	31
10	18.5	17.5	13.0	13.0	7.5	18.0	21.5	25.0	26.5	---	29.5	30
11	18.5	15.0	12.0	15.5	7.5	18.0	21.5	---	26.5	31.0	30.0	---
12	20.5	14.5	16.0	12.0	8.5	20.0	22.0	26.0	28.0	31.0	30.0	---
13	21.5	13.5	14.5	12.5	8.5	18.0	18.0	25.5	28.0	31.0	30.0	31
14	20.0	12.5	11.5	14.5	10.5	17.5	15.5	24.5	28.0	31.5	30.0	31
15	19.0	14.5	10.5	14.5	16.0	18.0	17.5	---	28.5	31.5	30.0	32
16	20.5	14.0	12.0	16.0	10.5	---	17.5	---	29.5	31.0	31.0	29
17	21.0	13.5	9.5	16.5	---	20.5	18.5	23.0	28.5	30.5	---	28
18	21.0	13.5	10.5	11.0	---	16.0	19.5	---	29.5	---	32.0	27
19	23.0	16.0	7.0	17.0	---	17.5	18.0	23.0	29.0	32.0	31.0	28
20	23.0	16.5	13.0	---	14.5	20.0	20.0	24.0	29.0	---	29.0	27
21	23.5	17.5	13.0	17.5	16.5	17.0	20.0	23.5	29.5	30.0	30.0	28
22	24.5	16.5	13.5	18.0	15.0	16.5	21.0	24.5	---	29.5	30.5	28
23	19.5	13.5	15.0	12.5	15.0	17.0	22.0	24.5	28.0	28.5	30.0	28
24	18.0	13.5	14.5	11.5	---	18.0	21.5	25.0	28.5	29.0	28.5	29
25	18.0	---	13.0	13.0	14.0	17.5	22.5	---	28.5	30.0	29.0	28
26	18.0	15.5	15.0	14.0	13.0	17.5	---	---	29.5	29.0	29.5	29
27	18.5	---	14.0	12.0	13.5	17.0	---	25.5	30.5	29.5	27.5	---
28	22.5	14.5	11.5	11.5	17.5	17.0	22.0	25.0	30.5	29.0	31.5	---
29	21.5	12.0	12.0	12.0	15.5	18.0	20.0	29.0	30.5	28.5	29.0	28
30	22.0	9.5	11.5	12.0	---	16.5	21.0	26.5	30.0	29.0	29.0	28
31	21.5	---	10.5	10.0	---	16.5	---	26.0	---	29.5	---	---

07385700 BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980

DATE TIME	NOV 21,79 1100	MAR 6,80 1400	MAY 14,80 1100	JUN 10,80 1200	JUL 9,80 1000	AUG 8,80 1145
TOTAL CFLLS/ML	140	360	270	140	13000	2100
DIVERSITY: DIVISION	0.2	1.7	0.6	1.7	1.5	1.9
..CLASS	0.2	1.9	0.6	1.7	1.5	1.9
..ORDER	0.2	2.7	0.6	2.0	2.3	2.7
...FAMILY	2.0	2.8	0.7	2.3	2.8	3.1
....GENUS	2.3	2.8	0.7	2.3	3.4	3.6

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)												
..CHLOROPHYCEAE												
...CHLOROCOCCALES												
....CHLOROCOCCACEAE												
.....CHLOROCOCCUM	5	4	--	--	--	--	--	--	--	--	--	--
....MICRACTINIAEAE												
.....GOLFKINIA	--	--	--	--	--	--		*	0	--	--	--
....MICRACTINIUM	--	--	--	--	--	--						
....OOCYSTACEAE							1600	12		26	1	
....ANKISTRODESUS	--	--	57#	16	--	--		*	0	--	--	--
....CHODATELLA	--	--	--	--	--	--		--	--	39	2	
....OOCYSTIS	--	--	--	--	--	--		*	0	--	--	--
....TETRAEDRON	--	--	--	--	--	--		--	--	13	1	
....TREUBARIA	--	--	--	--	--	--		89	1	13	1	
....SCENEDESMAEAE												
....ACTINASTRUM	--	--	--	--	--	--						
....CRUCIGENTA	--	--	--	--	--	--	3000#	22		--	--	--
....SCENEDESMUS	--	--	--	--	--	--	540	4		--	--	--
....TETRASTRUM	--	--	--	--	--	--	360	3		26	1	
....VOLVOCALES							180	1		--	--	--
...CHLAMYDOMONADACEAE												
....CHLAMYDOMONAS	--	--	14	4	--	--						
....CHLOROGONIUM	--	--	--	--	--	--	270	2		170	8	
....VOLVOCAEAE								*	0	--	--	--
....EUDORINA	--	--	--	--	--	--						
....ZYGNEFATALES							1400	11		--	--	--
....DESMIDIACEAE												
....CLOSTERIUM	--	--	57#	16	--	--	14	10		--	--	--
CHRYSOPHYTA												
..BACILLARIOPHYCEAE												
...CENTRALES												
....COSCINODISCACEAE												
.....CYCLOTELLA	--	--	72#	20	--	--	14	10	1800	14	210	10
.....MELOSIRA	--	--	--	--	--	--			--	--	310	15
....PENNALES												
....ACHNANTHACEAE												
....COCCONEIS	5	4	--	--	--	--			--	--	--	--
....FRAGILARIACEAE												
....FRAGILARIA	40#	30	--	--	--	--			--	--	90	4
....SYNEDRA	10	7	--	--	--	--			--	--	--	--
....NAVICULACEAE												
.....NAVICULA	20	15	14	4	26	10	27#	20	--	--	13	1
....NITZSCHIAEAE												
.....NITZSCHIA	50#	37	29	8	13	5	14	10	310	2	130	6
....SURIPELLACEAE												
.....SURIPELLA	5	4	--	--	--	--			--	--	--	--
..CHRYSOPHYCEAE												
...CHRYSOMONADALES												
....SYNURACEAE												
.....SYNURA	--	--	14	4	--	--			--	--	--	--

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07385700 BAYOU TACHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980

DATE TIME	NOV 21,79 1100	MAR 6,80 1400	MAY 14,80 1100	JUN 10,80 1200	JUL 9,80 1000	AUG 8,80 1145
ORGANISM	CELLS /ML PER- CENT	CELLS /ML PER- CENT	CELLS /ML PER- CENT	CELLS /ML PER- CENT	CELLS /ML PER- CENT	CELLS /ML PER- CENT
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
...CHROOCOCCALFS						
...CHROOCOCCACEAE						
...AGMFNELLUM	--	--	--	--	1400 11	--
...ANACYSTIS	--	86# 24	--	55# 40	710 5	260 12
...HORMOGONALFS						
...NOSTOCACEAE						
...ANARAENA	--	--	--	--	--	230 11
...OSCILLATORIACEAE						
...OSCILLATORIA	--	--	230# 86	--	1300 10	210 10
EUGLENOPHYTA (EUGLENOIDS)						
..EUGLENOPHYCEAE						
...EUGLENALES						
...EUGLENACEAE						
...EUGLENA	--	--	--	--	0	130 8
...TRACHELOMONAS	--	14 4	--	14 10	0	210 10
PYRRHOPHYTA (FIRE ALGAE)						
..DINOPHYCEAE						
...PERIDINIALES						
...GLENODINTACEAE						
...GLENODINIUM	--	--	--	--	0	13 1

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

07386700 RUTH CANAL NEAR RUTH, LA

LOCATION.--Lat 30°14'35", long 91°55'05", in NE 1/4 sec 10, T.9 S., R.6 E., St. Martin Parish, Hydrologic Unit 08080103, 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 town of Breaux Bridge.

PERIOD OF RECORD.--August 1959 to current year.--Elevations only May 1945 to June 1946 (fragmentary), January 1947 to September 1960 in reports of Corps of Engineers.

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

REMARKS.--Records fair. Total flow through control structure diverted from Bayou Teche. Diversions are for irrigation.

AVERAGE DISCHARGE.--21 years, 119 ft³/s (3.370 m³/s), 86,220 acre-ft/yr (106 hm³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 802 ft³/s (22.7 m³/s) Apr. 21, 1966; maximum daily reverse flow, 13 ft³/s (0.37 m³/s) May 28, 1980 (backwater from Vermilion River); minimum daily (unaffected by backwater), 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, May 23, 1980.

EXTREMES FOR CURRENT YEAR.--Maximum daily discharge, 255 ft³/s (7.22 m³/s) May 7, maximum daily reverse flow, 13 ft³/s (0.37 m³/s) May 28 (backwater from Vermilion River); minimum daily (unaffected by backwater) 18 ft³/s (0.51 m³/s) May 23.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	28	24	30	26	27	28	39	30	10	214	62	98
2	28	26	29	26	27	29	43	30	20	212	62	99
3	28	27	28	26	27	29	41	30	25	211	61	100
4	27	27	28	26	26	29	39	29	28	208	60	99
5	27	26	27	26	26	28	38	29	28	207	60	98
6	26	26	27	27	26	27	36	139	28	206	61	93
7	26	25	26	27	26	27	34	255	28	205	63	96
8	26	25	26	27	26	26	34	251	28	132	62	99
9	25	25	26	28	27	26	34	251	27	57	40	100
10	26	25	26	30	29	25	33	250	27	60	21	101
11	26	26	26	34	30	25	33	248	27	60	21	102
12	26	27	26	34	30	26	34	244	27	61	21	103
13	26	27	28	34	30	150	41	244	26	61	21	101
14	26	25	30	32	29	218	40	247	26	61	21	101
15	27	25	31	30	29	216	38	232	25	61	21	101
16	26	25	31	30	29	213	38	98	22	61	21	100
17	25	25	30	31	29	212	36	46	24	61	21	99
18	25	25	30	30	28	205	35	45	24	60	21	101
19	25	25	30	29	28	212	34	40	24	59	21	99
20	24	25	30	27	27	217	33	35	95	58	21	96
21	24	25	30	26	26	216	33	25	192	59	21	97
22	25	24	29	27	26	222	32	21	195	59	21	97
23	25	26	29	28	26	222	32	18	207	59	21	97
24	25	28	30	29	26	213	32	10	208	60	21	97
25	26	33	30	30	25	211	32	.00	213	59	21	97
26	26	32	30	30	26	212	32	-9.0	215	60	21	96
27	25	31	29	29	26	108	31	-12	217	60	144	97
28	25	30	28	29	26	38	31	-13	216	61	156	97
29	24	30	28	29	26	41	31	-12	214	62	100	97
30	24	30	27	28	---	42	30	-10	213	62	100	95
31	24	---	26	28	---	40	---	-2.0	---	62	98	---
TOTAL	796	800	881	893	789	3533	1049	2789.00	2659	2978	1486	2953
MEAN	25.7	26.7	28.4	28.8	27.2	114	35.0	90.0	88.6	96.1	47.9	98.4
MAX	28	33	31	34	30	222	43	255	217	214	156	103
MIN	24	24	26	26	25	25	30	-13	10	57	21	93
CAL YR 1979	TOTAL	16300.00	MEAN	44.7	MAX	215	MIN	22				
WTR YR 1980	TOTAL	21606.00	MEAN	59.0	MAX	255	MIN	-13				

07386700 RUTH CANAL NEAR RUTH, LA--Continued

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.70	10.00	11.00	10.33	10.50	10.58	13.40	11.08	10.77	9.31	9.30	9.11
2	10.66	10.30	10.95	10.28	10.46	10.89	14.66	11.12	10.65	9.29	9.33	9.11
3	10.62	10.48	10.77	10.24	10.39	10.94	14.10	10.99	10.62	9.28	9.34	9.11
4	10.54	10.42	10.72	10.22	10.34	10.88	13.43	10.92	10.66	9.19	9.33	9.11
5	10.44	10.29	10.57	10.34	10.37	10.71	13.05	10.87	10.67	9.11	9.33	9.11
6	10.35	10.18	10.43	10.45	10.30	10.48	12.63	10.65	10.65	9.07	9.37	9.11
7	10.28	10.11	10.35	10.45	10.22	10.40	12.08	10.21	10.65	9.04	9.45	9.11
8	10.21	10.11	10.28	10.46	10.22	10.37	12.15	10.13	10.61	8.99	9.43	9.11
9	10.15	10.17	10.26	10.77	10.47	10.26	11.98	10.08	10.57	9.02	9.43	9.11
10	10.20	10.16	10.25	11.09	10.88	10.17	11.87	10.05	10.53	9.19	9.44	9.11
11	10.24	10.28	10.22	12.15	11.05	10.15	11.72	10.03	10.46	9.19	9.44	9.11
12	10.18	10.53	10.21	12.15	11.04	10.22	12.18	10.00	10.37	9.20	9.43	9.11
13	10.23	10.40	10.58	11.98	11.00	10.04	14.15	9.98	10.27	9.20	9.43	9.11
14	10.36	10.16	11.18	11.50	10.95	9.70	13.60	10.04	10.18	9.20	9.44	9.11
15	10.48	10.09	11.32	11.18	10.91	9.74	13.25	10.34	10.10	9.20	9.42	9.11
16	10.34	10.09	11.28	11.10	10.87	9.77	12.95	14.28	10.01	9.17	9.41	9.11
17	10.13	10.15	11.20	11.21	10.82	9.96	12.65	15.78	9.92	9.14	9.44	9.11
18	10.03	10.14	11.15	11.11	10.76	10.40	12.42	14.49	9.85	9.11	9.42	9.11
19	10.01	10.11	11.09	10.82	10.66	10.40	12.14	14.17	9.83	9.10	9.39	9.11
20	9.98	10.05	11.03	10.55	10.50	10.37	11.93	14.00	9.84	9.08	9.38	9.11
21	9.95	10.00	10.98	10.36	10.37	10.30	11.76	13.56	9.72	9.13	9.37	9.11
22	10.02	9.93	10.90	10.39	10.31	10.37	11.64	13.46	9.63	9.20	9.35	9.11
23	10.01	10.34	10.88	10.76	10.30	10.40	11.56	13.27	9.61	9.21	9.35	9.11
24	10.16	10.77	11.10	10.95	10.27	10.45	11.51	13.01	9.64	9.15	9.35	9.11
25	10.30	11.77	11.05	11.00	10.17	10.35	11.56	12.68	9.64	9.17	9.35	9.11
26	10.25	11.58	11.00	11.06	10.26	10.32	11.66	12.34	9.54	9.23	9.35	9.11
27	10.10	11.33	10.90	10.95	10.39	10.75	11.38	12.02	9.49	9.29	9.15	9.11
28	10.00	11.13	10.75	10.88	10.31	13.20	11.27	11.80	9.47	9.31	8.92	9.11
29	9.92	11.06	10.61	10.82	10.24	14.08	11.21	11.53	9.44	9.28	9.19	9.11
30	9.95	11.03	10.47	10.75	---	14.44	11.16	11.22	9.37	9.27	9.21	9.11
31	9.98	---	10.38	10.60	---	13.77	---	10.97	---	9.27	9.17	---
MEAN	10.22	10.44	10.77	10.87	10.53	10.80	12.37	11.78	10.09	9.18	9.35	9.11
MAX	10.70	11.77	11.32	12.15	11.05	14.44	14.66	15.78	10.77	9.31	9.45	9.11
MIN	9.92	9.93	10.21	10.22	10.17	9.70	11.16	9.98	9.37	8.99	8.92	9.11

SS MIN 015 AM 7:44 AM 00-00001 1001 0101 0101 0101
 11- MIN 005 AM 0:40 AM 00-00005 1001 0101 0101 0101

07386705 RUTH CANAL AT RUTH, LA

LOCATION.--Lat 30°14'34", long 91°53'05", NW¼NE¼ lot 95, T.9 S., R.6 E., St. Martin Parish, Hydrologic Unit 08080103, on right bank 150 ft (46 m) downstream from control structure, 0.5 mi (0.8 km) northwest of Ruth, 0.6 mi (1.0 km) downstream from point of diversion from Bayou Teche, and 2.5 mi (4.0 km) south of town of Breaux Bridge.

PERIOD OF RECORD.--October 1979 to September 1980 (elevations only). Unpublished records, August 1959 to September 1979, available in files of Baton Rouge district office. Daily elevations from January 1938 to December 1944 and, since January 1946, in reports of Corps of Engineers.

GAGE.--Water-stage recorder. Datum of gage is National Geodetic Vertical Datum of 1929. Nov. 4, 1965, to July 11, 1973, nonrecording gage at same site and datum.

REMARKS.--Total flow through control structure diverted from Bayou Teche. Diversions are for irrigation.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum elevation since January 1938, 18.5 ft (5.64 m) Aug. 1940.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 13.14 ft (4.005 m) May 20, 21.

ELEVATION (FEET NGVD), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.25	2.88	2.66	1.35	2.08	2.37	9.87	4.67	10.68	2.73	1.71	2.28
2	1.78	1.38	2.33	1.30	1.66	2.67	10.36	4.11	10.26	2.73	1.92	2.06
3	1.48	1.62	2.03	1.23	2.07	1.74	11.37	3.64	9.82	2.77	1.99	1.76
4	1.82	1.83	2.17	1.15	1.68	2.35	11.71	3.04	9.36	2.97	1.93	1.81
5	1.08	2.15	2.07	1.36	1.94	2.09	11.71	2.69	8.86	2.81	2.34	1.78
6	1.62	2.30	2.49	1.70	2.08	1.73	11.55	2.24	8.29	2.79	1.95	3.04
7	1.73	1.71	2.01	1.49	1.47	2.11	11.41	3.78	7.63	2.79	1.71	2.36
8	1.65	1.82	2.02	1.50	2.74	1.83	11.16	3.85	6.88	2.67	1.46	2.12
9	2.13	2.52	1.67	3.06	3.15	1.47	10.88	3.84	6.04	2.69	2.29	1.77
10	1.78	2.30	1.80	3.22	4.38	1.63	10.53	3.77	5.11	1.81	3.20	1.68
11	1.47	1.28	1.91	8.40	3.76	1.38	10.19	3.92	4.36	1.69	2.83	1.76
12	1.98	1.47	2.18	7.96	3.34	2.33	9.84	3.99	3.66	1.63	1.93	1.67
13	2.00	1.22	2.40	7.88	2.90	2.86	9.97	4.03	3.04	1.55	1.55	2.06
14	1.37	1.21	6.66	7.76	2.86	2.99	10.56	3.91	2.67	1.53	1.53	2.31
15	1.98	1.22	5.83	7.39	2.96	3.20	10.77	5.17	2.48	1.52	1.87	1.90
16	2.26	1.15	4.87	6.80	2.83	3.36	10.75	9.06	2.33	1.42	1.90	2.23
17	2.03	1.21	3.95	7.37	2.25	3.41	10.62	10.31	1.89	1.45	1.96	2.27
18	1.85	1.46	2.99	7.21	2.07	4.89	10.44	11.77	1.84	1.78	1.84	1.99
19	2.02	1.88	2.87	7.00	2.63	4.44	10.23	12.78	1.45	1.86	1.61	1.73
20	2.32	1.96	2.77	6.00	2.69	4.05	9.92	13.11	1.42	1.79	1.02	2.41
21	2.51	2.46	2.57	4.88	2.38	4.00	9.62	13.12	4.65	1.90	.96	2.10
22	2.83	2.43	2.75	4.77	2.40	3.71	9.25	13.10	4.49	1.87	.96	2.01
23	2.77	2.59	2.72	5.97	2.06	3.83	8.77	13.02	3.59	1.94	.96	2.15
24	1.42	4.04	3.90	5.98	2.07	4.39	8.30	12.88	3.55	1.63	.96	2.22
25	1.88	6.42	4.31	5.09	1.89	4.42	7.77	12.72	3.20	1.65	1.07	2.34
26	2.26	6.39	3.26	5.53	.96	4.16	7.81	12.51	2.95	2.09	1.62	2.58
27	2.29	5.70	2.65	5.24	1.87	5.03	7.34	12.24	2.79	2.21	1.53	2.30
28	2.40	4.96	2.28	4.28	1.65	8.66	6.68	12.05	2.80	1.94	2.94	2.61
29	2.35	3.85	2.23	3.95	1.89	8.67	5.98	11.79	2.86	1.57	2.19	2.52
30	2.33	2.88	1.68	3.47	---	9.70	5.27	11.45	2.80	1.63	2.23	3.12
31	3.48	---	1.48	3.17	---	9.64	---	11.08	---	1.64	2.38	---
MEAN	2.04	2.54	2.82	4.63	2.37	3.84	9.69	8.05	4.73	2.03	1.82	2.16
MAX	3.48	6.42	6.66	8.40	4.38	9.70	11.71	13.12	10.68	2.97	3.20	3.12
MIN	1.08	1.15	1.48	1.15	.96	1.38	5.27	2.24	1.42	1.42	.96	1.67

07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE, LA

LOCATION.--Lat 30°13'02", long 91°59'34", between lots 76 and 142, T.9 S., R.5 E., Lafayette Parish, Hydrologic Unit 08080103, at bridge on Surrey Street, at Lafayette, 0.6 mi (1.0 km) north of Lafayette Airport, and 1.4 mi (2.3 km) upstream from Coulee des Poches.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--December 1967 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1.53 ft (0.466 m) below mean low Gulf level or 2.31 ft (0.704 m) below National Geodetic Vertical Datum of 1929 (levels by Corps of Engineers). Water-stage recorder for Vermilion River at State Highway 3073, near Lafayette (station 07386935) used as auxiliary gage for this station.

REMARKS.--Records fair above 1,000 ft³/s (28 m³/s) and poor below. Discharges are affected by tide at all stages; diversions above and below station for irrigation.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	374	278	707	-178	120	---	3370	1230	3560	---	37	17
2	277	86	566	34	172	---	569	1060	3340	---	22	-7
3	109	92	---	96	---	---	2640	943	3110	---	-8	15
4	236	123	---	-33	---	---	4070	741	2880	---	-69	66
5	-114	87	---	-86	189	---	4050	620	2640	---	22	-223
6	105	130	174	8	---	---	3950	519	2420	---	1	-87
7	109	-20	205	183	---	---	3810	656	2200	---	0	82
8	69	-10	163	115	84	---	3690	682	1930	---	-192	55
9	18	-8	215	472	748	---	3550	685	1660	---	-346	62
10	-2	173	145	532	1130	---	3390	429	1410	---	-75	44
11	-22	-130	195	207	961	---	3240	448	1160	---	94	66
12	7	---	233	2010	774	---	3120	366	949	---	33	42
13	34	---	838	2220	575	---	-265	475	689	---	58	-6
14	17	---	1720	2210	521	---	2860	556	436	---	-39	41
15	41	---	1540	2140	437	---	3610	777	266	---	7	-11
16	22	---	1260	1960	521	---	3560	-3650	243	76	-28	-23
17	47	---	1060	1330	---	---	3460	-5230	149	12	-18	24
18	17	-21	863	1920	---	1150	3400	-1100	191	7	-7	39
19	8	16	618	2020	352	974	3240	2810	---	-53	7	93
20	-20	16	483	1750	354	664	3100	4250	---	23	1	74
21	-69	25	378	1390	293	818	2950	4870	1090	-34	-25	-5
22	175	85	222	1080	265	589	2770	4960	1050	14	-46	-74
23	458	739	268	1620	209	274	2580	4840	757	100	-43	-10
24	60	995	802	1630	166	629	2400	4820	724	31	-34	-4
25	91	1290	1070	1380	274	1050	2270	4700	559	-36	-88	-3
26	130	1660	850	1320	---	909	2180	4560	---	6	-27	19
27	34	1620	544	1400	---	1300	2090	4440	---	120	-8	-1
28	27	1370	352	1140	---	801	1850	4420	---	169	108	-32
29	14	1070	285	923	---	-120	1640	4200	---	112	11	47
30	-179	---	61	735	---	738	1440	3980	---	84	49	466
31	62	---	-30	730	---	3170	---	3760	---	86	30	---
TOTAL	2135	---	---	32258	---	---	84584	56817	---	---	-573	766
MEAN	68.9	---	---	1041	---	---	2819	1833	---	---	-18.5	25.5
MAX	458	---	---	2220	---	---	4070	4960	---	---	108	466
MIN	-179	---	---	-178	---	---	-265	-5230	---	---	-346	-223
AC-FT	4230	---	---	63980	---	---	167800	112700	---	---	-1140	1520

07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE, LA--Continued

GAGE HEIGHT (FFFT ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.13	4.01	4.32	2.76	3.53	---	11.15	6.07	11.49	3.03	3.40	4.07
2	3.82	3.57	3.92	3.19	3.62	---	12.71	5.64	11.06	3.06	3.64	3.78
3	4.75	3.50	3.71	3.90	3.80	---	13.11	5.15	10.61	3.42	3.87	3.58
4	3.80	3.85	3.89	2.97	3.44	---	12.70	4.58	10.14	3.80	4.10	3.76
5	3.22	4.24	3.81	2.89	3.96	---	12.40	4.28	9.66	3.57	4.41	4.14
6	3.74	4.00	4.12	3.65	3.76	---	12.23	4.00	9.15	3.71	4.10	5.04
7	3.68	3.38	3.74	3.94	3.53	---	12.00	4.41	8.59	3.69	4.04	4.39
8	3.70	3.83	3.65	3.47	4.77	---	11.77	4.49	7.92	3.42	4.09	3.95
9	4.11	4.52	3.45	4.47	5.16	---	11.49	4.41	7.15	3.48	4.93	3.45
10	3.48	3.91	3.43	4.80	5.46	---	11.16	4.78	6.41	3.63	5.51	3.32
11	3.43	3.13	3.72	9.38	5.11	---	10.87	5.10	5.84	3.41	4.91	3.26
12	3.88	3.37	3.98	9.05	4.81	---	10.63	5.32	5.20	3.25	4.02	3.18
13	3.93	3.00	5.67	8.72	4.52	---	12.31	5.17	4.74	3.06	3.76	3.87
14	3.48	2.67	7.81	8.66	4.51	---	12.12	4.98	4.53	2.92	3.86	3.86
15	4.07	3.16	6.94	8.50	4.68	---	11.75	6.47	4.41	2.71	4.12	3.58
16	4.31	3.11	6.28	8.11	4.55	---	11.50	12.80	4.21	2.46	4.04	3.92
17	4.20	3.30	5.42	8.18	3.72	---	11.30	14.91	3.90	2.82	4.01	4.13
18	4.01	3.45	4.63	8.66	4.09	---	11.18	14.73	3.68	3.34	3.81	3.74
19	4.31	3.87	4.54	8.27	4.57	5.38	10.86	14.50	3.35	3.79	3.54	4.00
20	4.53	3.93	4.49	7.58	4.47	5.03	10.58	14.39	3.76	3.73	3.20	4.52
21	4.65	4.14	4.33	6.74	4.30	4.65	10.28	14.19	5.60	3.91	2.93	4.29
22	5.11	4.12	4.57	6.26	4.24	4.27	9.92	14.13	5.38	3.95	2.87	4.26
23	4.21	4.47	4.55	7.38	3.93	4.66	9.53	13.89	4.67	3.91	2.97	4.22
24	3.41	5.30	5.64	7.09	3.86	5.48	9.11	13.68	4.54	3.65	3.24	4.28
25	3.76	7.15	5.58	6.53	---	5.35	8.89	13.48	4.06	3.80	3.61	4.36
26	3.90	7.41	4.78	6.96	---	5.36	9.01	13.25	3.49	4.19	3.88	4.40
27	4.17	7.03	4.29	6.53	---	6.80	8.34	13.05	3.14	4.07	3.83	4.21
28	4.29	6.33	4.01	5.75	---	10.36	7.69	13.06	3.37	3.69	3.94	4.34
29	4.12	5.23	3.97	5.49	---	10.74	7.08	12.66	3.62	3.21	3.89	4.17
30	4.75	4.46	3.38	5.15	---	11.84	6.49	12.29	3.35	3.24	4.05	4.69
31	5.34	---	3.19	4.71	---	11.41	---	11.91	---	3.28	4.11	---
MEAN	4.04	4.25	4.51	6.12	---	---	10.67	9.41	5.90	3.46	3.89	4.03
MAX	5.34	7.41	7.81	9.38	5.46	11.84	13.11	14.91	11.49	4.19	5.51	5.04
MIN	3.22	2.67	3.19	2.76	---	---	6.49	4.00	3.14	2.46	2.87	3.18

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA

LOCATION.--Lat 30°09'45", long 92°03'20", between lots 68 and 69, T.10 S., R.4 E., Lafayette Parish, Hydrologic Unit 08080103, at bridge on State Highway 3073, 4.1 mi (6.6 km) downstream from Coulee Mine, 4.8 mi (7.7 km) southwest of Central School at Lafayette, and 7.8 mi (12.6 km) downstream from gaging station Vermilion River at Surrey Street, at Lafayette (station 07386880).

DRAINAGE AREA.--Indeterminate.

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1975 to current year (gage height only). Unpublished records October 1967 to September 1975 available in files of Baton Rouge district office.

GAUGE.--Water-stage recorder. Datum of gage is 1.54 ft (0.469 m) below mean low Gulf level, or 2.32 ft (0.707 m) below National Geodetic Vertical Datum of 1929.

REMARKS.--Gage heights affected by tide at all stages.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 17.90 ft (5.456 m) May 16, 1980; minimum, not determined.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of Dec. 6, 1972, reached a stage of 15.63 ft (4.764 m).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.90 ft (5.456 m) May 16; minimum recorded, 1.53 ft (0.466 m) Mar. 3.

GAUGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.73	4.21	3.85	3.40	3.56	3.87	8.97	4.67	8.86	---	3.30	4.45
2	3.74	3.65	3.55	3.57	3.55	2.27	12.75	4.46	8.49	---	3.70	4.18
3	3.48	3.47	3.60	4.44	3.77	1.86	12.75	3.96	8.09	---	4.09	3.79
4	3.63	3.84	4.01	3.40	3.54	3.86	10.79	3.48	7.65	3.82	4.10	3.83
5	3.47	4.40	3.95	3.39	3.84	3.57	9.70	3.54	7.28	3.77	4.58	3.71
6	3.53	4.35	4.63	3.67	3.66	3.33	9.48	3.35	6.86	3.86	4.12	5.02
7	3.66	3.70	4.00	4.24	3.55	3.93	9.35	3.61	6.52	3.86	3.87	4.10
8	3.67	4.24	4.08	3.61	4.93	3.48	9.06	3.75	5.90	---	3.90	3.78
9	4.37	4.85	3.58	4.43	4.60	3.27	8.76	3.72	5.14	---	4.75	3.37
10	3.87	4.30	3.75	4.24	4.00	3.54	8.40	4.55	4.45	---	5.32	3.08
11	3.76	3.52	3.95	10.49	4.07	3.33	8.32	4.83	4.35	---	4.78	3.24
12	4.26	3.78	4.20	8.33	4.34	4.45	8.20	5.13	3.95	---	3.78	3.19
13	4.29	3.42	4.27	6.95	4.27	3.95	13.00	4.67	3.64	---	3.47	4.08
14	3.55	3.40	6.36	6.81	4.37	2.95	11.37	4.25	3.75	---	3.52	4.29
15	4.22	3.50	4.60	6.75	4.79	4.29	9.81	6.28	3.79	---	4.00	3.85
16	4.44	3.48	5.38	6.60	4.38	4.48	8.90	15.46	3.81	2.29	4.08	4.38
17	4.39	3.63	4.46	6.63	3.55	4.23	8.55	17.38	3.39	2.60	4.18	4.41
18	4.21	3.74	3.53	7.66	3.70	4.06	8.81	15.15	3.46	3.35	4.17	4.09
19	4.37	4.31	4.34	5.65	4.31	4.16	8.16	13.97	---	3.77	3.93	3.77
20	4.61	4.34	4.58	6.18	4.41	4.29	7.89	12.21	---	3.71	3.38	4.48
21	4.77	4.71	4.43	5.61	4.17	3.97	7.67	12.16	4.47	3.97	3.13	4.16
22	5.19	4.69	4.88	5.25	4.23	3.36	7.34	12.01	4.20	3.93	2.90	4.97
23	4.72	3.62	4.69	6.30	3.91	4.28	7.02	11.13	3.86	3.97	2.72	3.96
24	3.46	4.40	5.47	5.31	3.97	5.50	6.75	10.64	3.76	3.58	2.78	4.00
25	3.93	6.43	4.60	5.41	3.74	4.02	6.68	10.44	---	3.53	3.20	4.20
26	4.37	6.23	3.83	6.35	---	4.54	7.95	10.21	---	3.68	3.65	4.53
27	4.58	4.72	3.93	4.45	---	5.28	6.45	9.95	---	3.70	3.49	4.57
28	4.67	4.25	3.92	4.80	3.92	10.80	5.52	10.79	---	3.36	3.72	4.64
29	4.62	3.87	4.14	4.98	3.91	9.10	5.09	9.96	---	2.80	3.85	4.65
30	4.66	3.40	3.42	4.77	---	12.02	4.62	9.48	---	3.02	3.98	4.94
31	5.77	---	3.41	4.36	---	10.04	---	9.24	---	3.06	4.22	---
MEAN	4.18	4.15	4.24	5.45	---	4.71	8.60	8.21	---	---	3.83	4.12
MAX	5.77	6.43	6.36	10.49	4.93	12.02	13.00	17.38	8.86	3.97	5.32	5.02
MIN	3.46	3.40	3.41	3.39	---	1.86	4.62	3.35	---	---	2.72	3.08

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1970 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: January 1971 to current year.

pH: October 1976 to current year.

WATER TEMPERATURES: October 1970 to current year.

DISSOLVED OXYGEN: November 1970 to current year.

INSTRUMENTATION.--Water-quality monitor since October 1970.

REMARKS.--Upper limit of dissolved oxygen sensor is 15.0 mg/L.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum, 1,140 micromhos Sep. 25, 1972; minimum, 20 micromhos Sep. 6, 1973, Feb. 6, 1976.

pH: Maximum, 8.1 units July 30, 1980; minimum, 5.5 units May 17, 18, 1980.

WATER TEMPERATURES: Maximum, 35.5°C June 27, 28, 1973; minimum, 3.5°C Jan. 12, Feb. 11, 1973.

DISSOLVED OXYGEN: Maximum, 15.0 mg/L Sep. 11, 12, 22, 1972; minimum, 0.0 mg/L several days in summer months during 1973-75, 1977-79.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 965 micromhos Aug. 23; minimum, 24 micromhos May 19.

pH: Maximum, 8.1 units July 30; minimum, 5.5 units May 17, 18.

WATER TEMPERATURES: Maximum, 35.0°C July 8, 16; minimum, 8.0°C Dec. 19, Feb. 2, 3.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	pH (UNITS)	TEMPERATURE WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)
OCT 24...	1430	375	6.1	23.0	100	60	4.0	--	--	1.4	54000
NOV 27...	1330	121	6.7	--	100	70	7.3	--	--	3.7	<20
DEC 11...	1000	269	6.6	13.0	100	35	6.9	--	--	2.6	K3800
JAN 18...	1245	142	5.9	16.0	120	100	6.1	--	--	3.7	11000
FEB 13...	1145	161	6.8	9.0	100	120	8.8	--	--	--	--
MAR 06...	1245	260	6.7	13.0	100	85	7.1	--	--	5.5	29000
APR 10...	1145	95	6.5	19.5	80	40	3.3	--	--	1.6	K750
MAY 13...	1600	158	6.4	25.0	--	--	3.3	38	17000	2.8	K450
MAY 17...	1700	29	5.7	20.5	--	--	6.2	38	--	1.8	12000
JUN 10...	1045	124	6.2	26.0	60	20	2.1	--	--	1.9	K50
JUL 11...	1045	390	7.4	32.0	20	3	1.8	--	--	4.0	--
AUG 08...	1345	595	7.6	30.0	15	6	5.8	--	--	3.0	K40
AUG 08...	2030	556	7.3	31.0	15	10	7.8	37	21000	4.3	K140
SEP 04...	1200	618	7.3	29.0	20	10	8.2	--	--	5.1	K80

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

MISSISSIPPI RIVER DELTA

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	STREP- TOCOCCEI FECAL, KF AGAR (COLS. PER 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)
OCT 24...	2400	47	4	13	3.6	47	73	3.0	3.7	53
NOV 27...	18000	30	3	7.5	2.7	7.9	40	.6	5.2	33
DEC 11...	1100	54	8	14	4.6	29	61	1.7	3.9	56
JAN 18...	15000	39	3	11	2.7	11	36	.8	3.5	44
FEB 13...	K21000	38	6	9.5	3.4	16	46	1.1	2.8	39
MAR 06...	1000	47	6	12	4.1	29	55	1.8	3.2	50
APR 10...	K300	28	1	8.0	1.9	6.4	31	.5	2.9	33
MAY 13...	K340	40	2	10	3.7	14	42	1.0	2.1	46
17...	12000	10	1	3.0	.5	1.8	24	.3	2.0	12
JUN 10...	K140	33	4	8.6	2.7	9.4	36	.7	3.0	35
JUL 11...	370	120	9	30	11	30	34	1.2	4.4	135
AUG 08...	280	120	0	29	11	61	52	2.4	4.3	132
08...	310	120	5	30	11	64	52	2.5	5.1	141
SEP 04...	100	130	7	33	12	75	54	2.8	4.2	152

DATE	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CAC03)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)
OCT 24...	0	43	16	72	.1	8.3	199	190	.27	--
NOV 27...	0	27	6.4	11	.1	7.0	78	64	.11	--
DEC 11...	0	46	14	42	.1	12	157	148	.21	--
JAN 18...	0	36	8.0	14	.1	8.6	107	81	.15	--
FEB 13...	0	32	5.7	21	.1	6.7	116	84	.16	--
MAR 06...	0	41	5.2	46	.1	7.2	150	132	.20	--
APR 10...	0	27	3.7	10	.0	6.0	76	55	.10	--
MAY 13...	0	38	19	19	--	--	--	--	--	71
17...	0	10	1.5	2.5	--	--	--	--	--	184
JUN 10...	0	29	5.6	11	.0	6.0	78	63	.11	--
JUL 11...	0	111	25	38	.3	17	235	225	.32	--
AUG 08...	0	108	21	93	.2	16	326	300	.41	--
08...	0	116	24	92	--	--	--	--	--	--
SEP 04...	0	130	25	110	.2	21	341	355	.46	--

K Results based on colony count outside the acceptable range (non-ideal count).

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN+NH4 TOTAL IN BOT. MAT. (MG/KG AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)
OCT 24...	--	--	--	.49	--	--	--	--	--	--
NOV 27...	--	--	--	1.2	--	--	--	--	--	--
DEC 11...	--	--	--	.35	--	--	--	--	--	--
JAN 18...	--	--	--	.27	--	--	--	--	--	--
FEB 13...	--	--	--	.41	--	--	--	--	--	--
MAR 06...	--	--	--	.40	--	--	--	--	--	--
APR 10...	--	--	--	.12	--	--	--	--	--	--
MAY 13...	40600	.30	.04	.34	.44	.45	66	.53	.58	.66
17...	--	.19	.03	.22	.25	.21	--	.30	.27	1.1
JUN 10...	--	--	--	.10	--	--	--	--	--	--
JUL 11...	--	--	--	.36	--	--	--	--	--	--
AUG 08...	--	--	--	.43	--	--	--	--	--	--
08...	5000	.45	.09	.54	.90	.79	40	1.1	1.0	1.5
SEP 04...	--	--	--	.39	--	--	--	--	--	--

DATE	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN+NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN+AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN+NH4 + ORG. TOT IN BOT MAT (MG/KG AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)
OCT 24...	--	1.4	--	--	--	1.9	8.4	.610	1.9	--
NOV 27...	--	1.6	--	--	--	2.8	12	.630	1.9	--
DEC 11...	--	2.0	--	--	--	2.4	10	.700	2.1	--
JAN 18...	--	1.7	--	--	--	2.0	8.7	.390	1.2	--
FEB 13...	--	1.6	--	--	--	2.0	8.9	.490	1.5	--
MAR 06...	--	2.4	--	--	--	2.8	12	.660	2.0	--
APR 10...	--	1.5	--	--	--	1.6	7.2	.360	1.1	--
MAY 13...	.55	1.1	.10	1.0	789	1.4	6.4	.460	1.4	.220
17...	.70	1.3	.39	.91	--	1.5	6.7	.380	1.2	.160
JUN 10...	--	1.4	--	--	--	1.5	6.6	.260	.80	--
JUL 11...	--	1.7	--	--	--	2.1	9.1	.660	2.0	--
AUG 08...	--	1.6	--	--	--	2.0	9.0	.720	2.2	--
08...	1.2	2.4	.40	2.0	940	2.9	13	.850	2.6	.720
SEP 04...	--	2.6	--	--	--	3.0	13	1.300	4.0	--

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS RE)	BERYL- LIUM, DIS- SOLVED (UG/L AS RE)	BERYL- LIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
OCT 24...	--	--	2	3	--	--	--	--	2	0	--
JAN 18...	--	--	2	--	--	--	--	--	<1	--	--
APR 10...	--	--	2	--	--	--	--	--	<1	--	--
MAY 13...	3	1	2	23	0	<1	1	1	<1	1	10
17...	3	2	1	--	0	<1	--	1	<1	--	10
JUL 11...	--	--	4	--	--	--	--	--	<1	--	--
AUG 08...	7	1	6	8	0	<1	0	1	<1	1	0

DATE	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)
OCT 24...	10	0	--	--	9	10	220	6000	--	--	0
JAN 18...	--	0	--	--	11	--	100	--	--	--	3
APR 10...	--	2	--	--	6	--	250	--	--	--	0
MAY 13...	17	0	7	1	6	19	450	--	12	9	3
17...	--	0	8	0	8	--	200	--	8	6	2
JUL 11...	--	0	--	--	--	--	10	--	--	--	--
AUG 08...	17	0	6	2	4	18	10	--	4	3	1

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PB)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)
OCT 24...	330	210	460	.1	--	--	.05	--	--	--	--
JAN 18...	--	10	--	.1	--	--	--	--	--	--	--
APR 10...	--	90	--	.0	--	--	--	--	--	--	--
MAY 13...	40	--	690	--	--	.0	.09	3	1	2	10
17...	--	--	--	.1	.1	.0	--	3	1	2	--
JUL 11...	--	320	--	.0	--	--	--	--	--	--	--
AUG 08...	50	--	420	.2	.1	.1	.09	3	1	2	20

< Actual value is known to be less than the value shown.

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SELF- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SFLE- NIUM, TOTAL IN ROT- TOM MA- TERIAL (UG/G)	VANA- NIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM ROT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
OCT 24...	--	--	--	--	--	--	--	20	30	13
JAN 1A...	--	--	--	--	--	--	--	40	--	16
APR 10...	--	--	--	--	--	--	--	10	--	11
MAY 13...	--	--	0	0	3.0	40	40	<3	60	12
MAY 17...	0	0	0	--	1.0	30	10	20	--	11
JUL 11...	--	--	--	--	--	--	--	20	--	1.0
AUG 08...	0	0	0	0	5.0	20	10	10	75	14

DATE	CYANIDE TOTAL IN ROT- TOM MA- TERIAL (MG/L AS CN)	CYANIDE TOTAL IN ROT- TOM MA- TERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOT. IN ROT MAT GRAVI- METRIC (MG/KG)	PCR, TOTAL IN ROT- TOM MA- TERIAL (UG/L)	PCR, TOTAL IN ROT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL IN ROT- TOM MA- TERIAL (UG/L)	ALDRIN, TOTAL IN ROT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 24...	.00	--	2	--	.0	9	.00	.00	.0	.0	20
APR 10...	--	--	--	--	.1	--	.00	.00	--	.0	--
MAY 13...	.00	0	--	0	.0	11	.00	.000	.0	.0	30
MAY 17...	--	--	--	--	.0	--	.00	.000	--	.0	--
AUG 08...	.00	0	3	1000	.0	16	.00	.09	.0	.0	39

DATE	DDO, TOTAL (UG/L)	DDO, TOTAL IN ROT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN ROT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN ROT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN ROT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN ROT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)
OCT 24...	.01	8.3	.00	7.0	.01	.8	.02	.0	.02	1.0	.00
APR 10...	.00	--	.00	--	.01	--	.01	--	.00	--	.00
MAY 13...	.003	7.0	.000	7.0	.001	3.4	.02	.0	.002	.2	.000
MAY 17...	.000	--	.000	--	.000	--	.02	--	.000	--	.000
AUG 08...	.00	16	.00	6.1	.00	12	.10	.0	.00	.9	.00

DATE	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN ROT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN ROT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN ROT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN ROT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)
OCT 24...	.00	.0	.00	.0	.00	.0	.00	.2	.00	.0	.00
APR 10...	.00	--	.00	--	.00	--	.00	--	.00	--	.00
MAY 13...	.000	.0	.00	.0	.003	.0	.000	.1	.000	.0	.00
MAY 17...	.000	--	.00	--	.000	--	.000	--	.000	--	.00
AUG 08...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

< Actual value is known to be less than the value shown.

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANF TOTAL (UG/L)
OCT 24...	.0	.00	.00	.0	.00	.0	.00	.00	.0	.00
APR 10...	--	.00	.00	--	.00	--	.00	.00	--	.00
MAY 13...	.0	.00	.00	.0	.00	.0	.00	.00	.0	.00
17...	--	.00	.00	--	.00	--	.00	.00	--	.00
AUG 08...	.0	.00	.00	.0	.00	.0	.00	.00	.0	.00

DATE	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 24...	0	0	.00	.0	.09	.15	.05	--	--	--
APR 10...	0	--	.00	--	.02	.00	.00	--	--	--
MAY 13...	.0	0	.00	.0	.03	.01	.00	880	1.11	.000
17...	.0	--	.00	--	--	--	--	1500	.800	.020
AUG 08...	0	0	.00	.0	.12	.00	.00	62000	32.0	3.40

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	265	172	457	396	138	121	197	179	249	151	303	205
2	353	236	651	445	142	133	227	178	164	149	454	133
3	323	256	612	343	143	134	242	196	199	158	153	132
4	291	257	491	337	180	138	281	193	---	---	144	125
5	292	254	524	405	180	150	297	241	---	---	156	136
6	309	265	405	298	191	160	312	248	---	---	---	---
7	326	281	348	307	195	175	287	227	---	---	227	199
8	367	283	345	329	242	176	255	223	---	---	229	211
9	377	330	368	332	255	218	266	209	---	---	397	227
10	382	315	409	331	240	223	356	158	---	---	416	303
11	345	313	392	358	261	228	205	67	---	---	361	281
12	379	340	484	360	299	258	151	74	---	---	391	337
13	466	361	368	314	284	94	95	86	---	---	489	339
14	478	363	344	322	318	140	87	80	158	136	421	296
15	386	351	322	293	231	139	99	83	164	141	297	265
16	400	368	307	272	157	133	120	99	360	141	271	234
17	483	357	330	287	349	153	154	120	519	146	287	205
18	377	336	355	304	367	192	259	118	164	142	332	161
19	355	278	361	342	241	161	136	120	201	153	242	174
20	334	284	386	335	226	138	132	128	229	188	185	175
21	349	295	374	330	165	145	138	126	212	181	238	170
22	503	317	360	310	170	154	174	134	255	201	258	170
23	626	315	344	191	155	132	372	108	255	228	231	186
24	563	328	477	158	207	134	149	98	262	241	190	149
25	381	321	187	121	309	134	118	108	504	242	280	164
26	500	346	126	93	154	142	168	112	261	234	---	---
27	497	418	118	92	149	137	129	107	280	250	---	---
28	455	415	126	112	169	137	141	121	323	241	---	---
29	430	401	126	117	179	150	161	127	351	240	---	---
30	449	393	130	123	191	138	162	132	---	---	---	---
31	457	408	---	---	226	161	187	152	---	---	---	---
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	141	126	91	86	441	400	894	736	523	461
2	---	---	153	138	83	78	528	431	774	701	635	508
3	---	---	324	144	80	76	472	360	760	627	648	614
4	---	---	232	164	83	73	409	322	707	623	625	614
5	---	---	205	181	81	76	376	262	655	606	638	585
6	---	---	234	179	86	73	414	276	626	588	604	483
7	---	---	212	167	101	76	407	319	618	581	617	517
8	---	---	239	164	97	84	378	309	608	579	715	612
9	---	---	210	151	139	90	381	336	597	426	614	492
10	---	---	214	150	140	106	415	350	521	431	561	499
11	---	---	170	151	127	113	435	332	614	512	782	531
12	96	83	297	152	152	120	411	340	630	591	880	729
13	95	43	181	155	173	146	440	354	796	579	875	768
14	72	26	180	161	183	162	462	384	797	758	878	662
15	69	58	291	165	356	178	572	464	789	607	658	599
16	69	61	---	---	355	237	660	533	774	604	644	591
17	73	66	---	---	329	240	625	532	---	---	601	563
18	94	72	---	---	337	299	631	556	---	---	557	498
19	88	84	40	24	---	---	620	579	---	---	574	314
20	84	80	48	42	---	---	616	560	939	846	353	119
21	86	79	55	47	---	---	571	538	931	848	343	281
22	91	83	66	53	---	---	636	563	945	907	455	340
23	111	89	65	58	---	---	566	425	965	890	591	414
24	113	100	69	66	---	---	526	403	957	883	618	539
25	197	98	82	69	328	223	591	515	942	---	681	536
26	---	---	84	77	280	241	597	539	919	870	667	431
27	100	94	---	---	353	280	716	580	916	849	435	414
28	161	99	102	81	387	349	781	532	844	731	485	415
29	124	108	108	94	392	372	550	484	775	740	522	446
30	135	120	114	98	465	390	689	523	765	536	523	170
31	---	---	98	91	---	---	938	637	627	470	---	---

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

PH (STANDARD UNITS), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		
1	6.8	6.6	7.0	6.8	6.3	6.2	6.3	6.2	6.4	6.3	6.7	6.4
2	6.8	6.7	7.0	6.9	6.4	6.3	6.3	6.2	6.4	6.3	6.8	6.4
3	6.9	6.8	6.9	6.8	6.5	6.4	6.4	6.3	6.5	6.3	6.4	6.3
4	6.9	6.8	7.0	6.8	6.6	6.4	6.3	6.2	---	---	6.3	6.2
5	6.9	6.8	7.0	6.9	6.7	6.5	6.3	6.2	---	---	6.3	6.2
6	6.9	6.8	6.9	6.9	6.7	6.6	6.4	6.2	---	---	6.3	6.1
7	6.9	6.8	7.0	6.8	6.7	6.5	6.5	6.3	---	---	6.3	6.2
8	6.9	6.8	7.0	6.9	6.7	6.5	6.4	6.3	---	---	6.2	6.2
9	7.0	6.8	7.0	6.9	6.8	6.6	6.8	6.3	---	---	6.3	6.2
10	6.9	6.8	7.0	6.9	6.8	6.7	6.8	6.5	---	---	6.3	6.2
11	6.9	6.8	7.0	6.9	6.9	6.7	7.5	6.1	---	---	6.2	5.9
12	7.0	6.8	6.9	6.9	7.0	6.8	6.8	6.1	---	---	6.1	6.0
13	6.9	6.8	6.9	6.8	7.5	6.8	6.7	6.2	---	---	6.2	6.0
14	6.9	6.8	6.9	6.8	6.9	6.7	6.2	6.1	7.0	6.1	6.1	6.0
15	6.9	6.8	6.8	6.7	6.7	6.4	6.0	6.0	6.5	6.4	6.1	6.1
16	7.0	6.8	6.7	6.7	6.4	6.4	6.1	6.0	6.4	6.4	6.2	6.1
17	6.9	6.8	6.7	6.6	6.4	6.3	6.5	6.0	6.5	6.3	6.2	5.8
18	6.9	6.8	6.8	6.7	6.4	6.2	6.4	6.1	6.4	6.3	6.0	5.7
19	6.9	6.8	6.8	6.7	6.3	6.2	6.3	6.1	6.6	6.4	5.9	5.8
20	6.9	6.8	6.8	6.7	6.4	6.2	6.0	6.0	6.7	6.6	5.9	5.9
21	6.9	6.8	7.1	6.7	6.5	6.3	6.0	5.9	6.6	6.5	6.0	5.9
22	7.0	6.8	7.0	6.9	6.6	6.4	6.9	5.8	6.6	6.6	6.1	6.0
23	7.0	6.8	7.1	6.9	6.6	6.5	6.3	5.9	6.6	6.5	6.2	6.1
24	6.9	6.6	6.9	6.7	6.7	6.4	6.2	6.0	6.6	6.5	6.6	6.2
25	6.8	6.7	7.1	6.6	6.5	6.4	6.1	6.0	6.6	6.5	6.4	6.3
26	6.9	6.7	6.6	6.4	6.4	6.2	6.3	6.1	6.5	6.4	---	---
27	6.9	6.7	6.5	6.3	6.2	6.2	6.3	6.2	6.7	6.5	---	---
28	7.0	6.8	6.4	6.3	6.3	6.2	6.3	6.2	6.7	6.5	---	---
29	7.0	6.9	6.3	6.2	6.3	6.2	6.3	6.3	6.7	6.5	---	---
30	7.0	6.9	6.3	6.3	6.2	6.2	6.5	6.4	---	---	---	---
31	7.0	6.9	---	---	6.3	6.2	6.5	6.4	---	---	---	---

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
1	---	---	6.1	6.0	5.8	5.8	7.0	6.8	7.9	6.8	7.0	6.8
2	---	---	6.2	6.1	5.8	5.8	6.9	6.8	7.5	6.9	7.1	6.8
3	---	---	6.2	6.1	5.8	5.7	6.9	6.7	7.7	6.9	7.8	6.8
4	---	---	6.2	6.1	5.8	5.7	6.9	6.7	7.5	6.8	7.3	6.9
5	---	---	6.3	6.2	5.8	5.7	6.8	6.7	7.8	6.9	7.1	6.9
6	---	---	6.3	6.2	5.8	5.7	6.8	6.7	7.2	6.8	7.1	6.8
7	---	---	6.3	6.2	5.9	5.7	6.8	6.7	7.2	6.9	6.9	6.8
8	---	---	6.4	6.2	5.9	5.8	7.1	6.7	7.2	6.8	7.1	6.8
9	---	---	6.2	6.2	5.9	5.8	7.2	6.7	7.1	6.7	7.2	6.8
10	6.0	5.9	6.3	6.2	6.0	5.9	7.2	6.8	6.9	6.7	7.7	6.8
11	6.0	5.9	6.3	6.2	6.0	5.9	7.0	6.7	7.1	6.8	7.8	7.0
12	6.0	5.9	6.3	6.2	6.0	5.9	7.1	6.8	7.3	6.8	7.7	7.0
13	6.6	6.0	6.3	6.2	6.1	6.0	7.1	6.8	7.2	6.9	7.4	7.1
14	6.2	5.8	6.3	6.2	6.1	6.1	6.9	6.8	7.1	6.9	7.3	7.0
15	6.0	5.9	---	---	6.2	6.1	---	---	7.4	6.8	7.5	7.0
16	6.0	5.9	---	---	6.2	6.2	7.7	6.8	7.2	6.9	7.4	7.0
17	5.9	5.8	6.4	5.5	6.4	6.2	7.6	6.9	7.2	6.9	7.0	7.0
18	5.9	5.9	5.7	5.5	6.4	6.3	7.6	7.0	7.1	6.9	7.0	6.9
19	5.9	5.8	5.8	5.7	---	---	7.3	7.0	7.6	6.9	7.2	6.8
20	5.9	5.9	5.8	5.8	---	---	7.1	6.9	7.6	6.9	7.5	6.9
21	5.9	5.9	5.8	5.8	---	---	6.9	6.8	7.6	7.0	7.0	6.9
22	5.9	5.9	5.8	5.8	---	---	7.0	6.8	7.7	7.0	7.1	6.8
23	5.9	5.9	5.8	5.8	---	---	7.1	6.7	7.1	6.9	7.3	6.9
24	6.0	5.9	5.8	5.8	---	---	7.5	6.7	7.3	6.9	7.2	6.9
25	6.6	5.9	5.8	5.8	6.6	6.5	7.9	6.8	7.5	6.9	7.4	7.0
26	6.6	6.0	5.8	5.8	6.6	6.5	7.7	6.9	7.2	6.9	7.2	6.9
27	6.0	5.9	6.3	5.8	6.8	6.6	7.3	6.9	7.6	6.9	7.0	6.9
28	6.0	5.9	6.2	5.7	6.8	6.7	7.1	6.7	7.3	6.8	7.1	6.9
29	6.0	5.9	5.9	5.8	6.9	6.7	7.8	6.7	6.9	6.9	7.1	6.9
30	6.1	6.0	5.9	5.8	7.0	6.8	8.1	6.8	7.1	6.8	7.0	6.9
31	---	---	5.8	5.8	---	---	7.6	6.8	7.0	6.8	---	---

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	25.5	24.0	21.5	20.0	10.0	9.0	12.0	10.5	10.0	9.0	16.5	13.0
2	26.0	24.5	20.0	19.0	10.0	9.0	11.5	10.5	9.0	8.0	12.5	11.0
3	27.0	24.5	19.5	18.0	9.5	9.0	11.5	11.0	9.0	8.0	11.5	10.0
4	25.5	24.5	18.5	17.5	10.0	8.5	11.0	10.5	---	---	12.0	11.0
5	25.5	23.0	18.0	17.0	10.0	8.5	11.5	10.0	---	---	13.5	12.0
6	24.5	23.0	18.5	17.0	10.5	9.5	11.5	10.0	---	---	14.5	12.0
7	25.5	23.0	18.0	17.5	10.5	9.5	12.5	11.0	---	---	15.5	13.5
8	26.0	23.5	19.0	17.0	11.0	9.5	12.0	11.5	---	---	16.5	14.5
9	26.0	24.0	19.0	18.0	11.5	10.0	11.5	11.0	---	---	17.5	16.0
10	24.5	23.0	19.0	17.5	11.5	10.5	12.0	10.5	---	---	19.5	17.0
11	24.5	22.0	17.5	16.5	13.5	11.5	17.5	12.0	---	---	20.0	18.5
12	24.5	22.0	17.0	15.5	14.5	12.5	17.0	14.0	---	---	20.5	19.5
13	23.5	22.5	16.5	15.5	14.5	13.0	15.5	14.0	---	---	20.5	19.5
14	22.5	21.5	15.0	14.0	13.0	12.5	14.0	13.5	10.0	9.0	20.0	18.5
15	23.0	21.0	15.5	14.0	12.5	11.0	14.5	13.5	11.5	10.0	19.5	18.5
16	22.5	21.5	15.5	14.0	12.0	11.0	15.0	14.0	11.0	10.0	19.5	19.5
17	23.5	21.5	15.5	14.5	11.5	9.5	16.5	15.0	10.0	9.0	19.5	18.5
18	23.5	22.5	15.5	14.5	9.5	8.5	16.5	15.5	10.5	9.0	18.5	17.5
19	23.5	22.5	16.5	15.0	9.0	8.0	16.5	16.0	11.5	9.5	17.5	17.0
20	25.0	23.0	17.5	15.5	10.0	8.5	16.5	16.0	13.5	12.0	18.0	17.5
21	25.0	23.5	17.5	17.0	11.5	10.0	16.5	16.0	14.5	13.5	18.5	17.0
22	24.5	23.5	17.5	15.5	12.5	11.5	17.0	15.5	16.0	14.0	18.0	16.5
23	23.0	21.5	15.0	12.0	13.5	12.5	15.0	12.5	16.0	15.5	17.5	17.0
24	21.5	20.0	13.0	10.5	14.5	13.0	12.5	11.5	17.0	15.5	19.0	17.5
25	20.5	19.5	11.0	10.5	14.5	12.5	12.5	12.0	16.5	16.0	18.0	---
26	20.5	19.0	11.0	10.0	13.5	12.5	13.0	12.5	16.0	14.5	18.0	17.0
27	21.0	19.0	12.5	11.0	13.0	12.0	13.0	12.0	16.0	14.0	17.0	15.5
28	21.5	19.5	12.5	12.0	12.5	12.0	12.5	12.0	17.0	15.0	16.5	15.5
29	21.5	20.5	12.0	10.5	12.5	12.0	12.5	12.0	17.0	16.0	18.0	---
30	22.0	21.0	10.5	9.5	12.0	11.5	13.5	12.0	---	---	18.5	17.5
31	22.0	21.5	---	---	12.0	11.5	13.0	10.5	---	---	18.0	17.0
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	18.0	17.0	22.0	20.0	25.0	24.0	33.5	30.0	33.0	30.0	31.5	28.5
2	18.0	17.5	22.5	21.0	25.0	24.0	33.0	31.0	32.0	30.5	31.5	29.5
3	19.0	18.5	23.5	21.5	25.5	24.5	33.0	31.0	32.5	30.5	32.0	29.5
4	19.0	18.5	24.0	22.0	25.5	24.5	32.5	30.5	32.0	30.5	30.5	29.5
5	20.5	18.0	24.5	22.5	26.0	24.5	32.0	31.5	33.0	30.5	29.5	28.0
6	23.0	17.5	26.0	23.0	26.5	25.5	33.0	31.0	32.5	30.5	28.5	27.5
7	22.5	18.0	25.0	24.0	27.0	26.0	33.5	31.5	32.0	30.0	29.5	27.5
8	25.0	16.5	24.5	23.5	28.0	26.5	35.0	31.0	31.5	30.5	30.5	28.0
9	20.0	14.0	25.0	23.0	27.5	26.5	33.5	31.0	31.0	29.5	31.0	29.0
10	19.5	19.0	25.0	23.0	27.0	26.0	33.0	31.0	31.0	29.5	31.0	29.0
11	20.0	19.0	25.0	24.0	27.0	25.5	33.0	31.0	32.0	30.5	31.0	29.0
12	20.0	19.5	26.5	24.5	27.0	25.5	33.5	31.5	33.5	30.5	31.5	29.5
13	19.5	14.5	25.5	25.0	28.0	26.0	34.0	31.5	32.5	30.5	31.5	29.5
14	16.0	14.0	26.0	24.5	29.5	26.5	32.5	31.5	32.0	30.5	31.5	30.0
15	16.5	15.5	24.5	24.0	29.0	27.0	34.5	32.0	32.5	30.5	32.0	30.0
16	18.0	16.0	24.0	20.0	29.5	28.0	35.0	32.0	31.5	30.5	32.0	30.0
17	17.5	16.5	20.5	19.5	30.5	28.0	34.5	32.0	31.5	30.0	30.5	29.5
18	18.0	17.0	21.5	20.5	29.5	29.0	33.5	32.5	31.5	30.0	29.5	29.0
19	18.5	17.5	22.5	21.5	---	---	33.5	32.0	33.5	30.0	30.0	27.0
20	18.5	17.5	23.0	22.0	---	---	32.5	31.5	33.0	30.5	28.0	26.5
21	19.0	18.0	23.0	22.5	---	---	31.5	30.5	33.0	30.5	29.0	27.0
22	19.5	18.5	23.0	22.0	---	---	31.0	30.0	33.5	31.0	30.5	28.0
23	20.0	19.0	23.5	22.5	---	---	31.5	29.5	32.5	30.5	31.0	28.5
24	20.5	19.5	23.5	22.5	---	---	32.5	29.5	32.0	30.0	30.0	29.0
25	21.0	20.5	24.0	23.0	31.0	29.0	33.0	30.5	32.0	30.5	30.5	28.5
26	21.5	20.5	25.0	23.5	31.0	28.5	32.5	30.5	31.5	30.5	29.5	28.5
27	20.5	19.0	25.0	24.0	32.0	29.5	31.5	30.5	31.0	29.5	29.0	28.0
28	20.0	19.0	25.0	24.0	31.0	29.5	30.5	28.5	30.5	29.0	29.5	28.0
29	20.5	19.0	25.0	24.5	32.0	30.0	31.5	28.0	29.5	29.0	30.0	28.5
30	21.0	20.0	25.0	24.5	34.0	30.0	33.0	29.0	30.5	28.0	28.5	25.0
31	---	---	25.0	24.5	---	---	32.5	30.0	30.5	27.5	---	---

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

OXYGEN, DISSOLVED (DO), MG/L, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1									---	---		
2									---	---		
3									---	---		
4									---	---		
5									---	---		
6									---	---		
7									---	---		
8									---	---		
9									---	---		
10									---	---		
11									---	---		
12									---	---		
13									---	---		
14									9.2	8.8		
15									8.9	7.9		
16									---	---		
17									---	---		
18									---	---		
19									---	---		
20									---	---		
21									---	---		
22									---	---		
23									---	---		
24									---	---		
25									---	---		
26									---	---		
27									---	---		
28									---	---		
29									---	---		
30									---	---		
31									---	---		

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	---	---	2.9	2.5	1.6	1.4	1.6	.8	7.1	1.2		
2	---	---	2.8	2.5	1.5	1.4	1.3	.9	5.6	1.8		
3	---	---	2.6	2.2	1.4	1.2	1.9	.7	6.2	1.4		
4	---	---	2.8	2.6	1.3	1.1	1.5	.6	---	---		
5	---	---	2.7	2.3	1.2	.9	1.5	.9	---	---		
6	---	---	2.4	1.8	1.1	.8	1.4	.8	---	---		
7	---	---	2.9	2.1	1.0	.8	1.7	1.0	---	---		
8	---	---	3.0	2.3	1.2	.8	2.8	.6	---	---		
9	---	---	3.2	2.8	1.3	.9	2.9	.6	---	---		
10	3.4	3.3	3.3	2.8	1.9	1.1	3.0	.6	---	---		
11	3.4	3.2	3.4	3.0	2.0	1.3	3.9	.3	---	---		
12	3.2	2.7	3.7	3.0	1.8	1.3	4.4	1.4	---	---		
13	8.2	3.1	3.2	2.9	1.6	1.1	4.0	1.3	---	---		
14	8.3	5.9	3.5	3.0	2.2	.8	3.7	1.5	---	---		
15	5.9	5.3	4.3	1.2	1.7	.6	10.5	1.8	---	---		
16	5.2	4.2	8.0	4.1	1.6	.3	7.6	1.5	---	---		
17	4.5	4.2	7.1	6.3	.8	.1	7.3	2.0	---	---		
18	4.1	4.0	6.2	4.9	.3	.1	6.4	3.1	---	---		
19	4.0	3.8	4.5	3.6	---	---	4.6	2.3	---	---		
20	3.8	3.5	3.7	3.3	---	---	4.0	2.1	---	---		
21	3.4	3.1	3.4	3.2	---	---	2.5	1.2	---	---		
22	3.0	2.6	3.3	3.1	---	---	3.4	.4	---	---		
23	2.6	2.4	3.1	2.8	---	---	4.2	.3	---	---		
24	2.4	1.9	2.8	2.6	---	---	6.7	.5	---	---		
25	3.5	2.1	2.6	2.4	2.7	1.3	9.3	.9	---	---		
26	3.8	2.4	2.3	2.0	2.2	1.5	8.3	2.4	---	---		
27	2.4	2.1	3.3	1.7	1.9	1.2	5.8	2.2	---	---		
28	2.4	2.1	3.3	2.0	1.5	.8	3.7	1.2	---	---		
29	2.6	2.3	2.1	1.8	1.7	.9	6.5	.2	---	---		
30	2.7	2.4	2.0	1.8	2.0	1.0	8.2	1.6	---	---		
31	---	---	1.8	1.6	---	---	6.0	1.4	---	---		

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980

DATE TIME	MAY 13,80 1600	MAY 17,80 1700	AUG 8,80 2030
TOTAL CELLS/ML	880	1500	62000
DIVERSITY: DIVISION	1.0	0.3	1.6
..CLASS	1.0	0.3	1.6
...ORDER	1.0	1.3	1.7
...FAMILY	1.1	1.7	1.9
...GENUS	1.2	1.7	2.3

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)						
..CHLOROPHYCEAE						
...CHLOROCOCCALES						
...MICRACTINIACEAE						
....MICRACTINIUM	--	-	--	-	2500	4
...DUCYSTACEAE						
....CHLORELLA	13	1	--	-	--	-
....CHONATELLA	--	-	--	-	750	1
....DICTYOSPHAERIUM	210#	24	--	-	--	-
....SELENASTRUM	--	-	13	1	*	0
....TRIFURARIA	--	-	--	-	500	1
....WESTELLA	--	-	--	-	4000	6
...SCENEDESMACEAE						
....SCENEDESMUS	26	3	--	-	--	-
....TETRASTRUM	--	-	--	-	1000	2
..VOLVOCALES						
...CHLAMYDOMONADACEAE						
....CHLAMYDOMONAS	--	-	13	1	*	0
CHRYSOPHYTA						
..RACILLARIOPHYCEAE						
...CENTRALES						
...COSCINODISCAEAE						
....CYCLOTELLA	--	-	--	-	18000#	29
....MELOSIRA	--	-	26	2	3500	6
...PENNIALES						
...NITZSCHIAEAE						
....NITZSCHIA	--	-	13	1	750	1
CRYPTOPHYTA (CRYPTOMONADS)						
..CRYPTOPHYCEAE						
...CRYPTOMONADALES						
...CRYPTOCHRYSIDACEAE						
....CHROOMONAS	--	-	--	-	*	0
...CRYPTOMONADACEAE						
....CRYPTOMONAS	--	-	--	-	1200	2
CYANOPHYTA (BLUE-GREEN ALGAE)						
..CYANOPHYCEAE						
...CHROOCOCCALES						
...CHROOCOCCACEAE						
....AGMENELLUM	--	-	--	-	29000#	47
....ANACYSTIS	--	-	770#	50	*	0
...HORMOGONALES						
...NOSTOCACEAE						
....ANABAENA	--	-	180	12	--	-
...OSCILLATORIACEAE						
....OSCILLATORIA	620#	71	520#	34	--	-
EUGLENOPHYTA (EUGLENOIDS)						
..EUGLENOPHYCEAE						
...EUGLENALES						
...EUGLENACEAE						
....THACHELOMONAS	13	1	--	-	*	0

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

MERMENTAU RIVER BASIN

08010010 BAYOU DES CANNES AT STATE HIGHWAY 755, NEAR EUNICE, LA

LOCATION.--Lat 30°27'55", long 92°30'05", in SE4SE4 sec.6, T.7 S., R.1 W., Louisiana meridian, Acadia Parish, Hydrologic Unit 080000 near left bank on upstream side of bridge on State Highway 755, 1.8 mi (2.9 km) downstream from gaging station Bayou Des Cannes at Eunice (station 0801000), 4.5 mi (7.2 km) southwest of water tower at Eunice.

DRAINAGE AREA.--140 mi² (363 km²).

PERIOD OF RECORD.--October 1979 to September 1980 (gage heights above 2.14 ft only). Unpublished records, April 1941 to September 1979, available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is 13.70 ft (4.176 m) National Geodetic Vertical Datum of 1929. Apr. 1, 1941, to Nov. 1, 1950, nonrecording gage, Nov. 2, 1950, to Oct. 30, 1957, water-stage recorder, and Oct. 31, 1957 to Jan. 13, 1958, nonrecording gage at same site and datum.

REMARKS.--No elevations recorded below 2.14 ft (0.652 m). Small diversion above station.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since April 1941, 19.76 ft (6.023 m) May 20, 1953.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.22 ft (5.249 m) Mar. 29; minimum, not determined.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1	---	---	---	---	---	13.57	14.80	---	---	---	3.50
2	---	---	---	---	---	15.19	12.92	---	---	---	3.67
3	---	---	---	---	---	12.80	14.49	2.60	---	---	3.21
4	---	---	---	---	---	6.56	11.91	2.46	---	---	2.41
5	---	---	---	---	---	4.20	6.93	---	---	---	3.71
6	---	---	---	---	---	3.73	4.80	---	---	---	4.48
7	---	---	---	---	---	2.89	4.27	2.65	---	---	3.88
8	---	---	---	---	---	2.50	5.11	3.74	---	---	2.76
9	---	---	---	11.89	11.23	---	4.61	6.84	---	---	2.79
10	---	---	---	8.17	14.90	---	3.80	3.67	---	---	2.90
11	---	---	---	13.62	12.58	---	3.45	2.96	---	---	2.51
12	---	---	---	15.60	6.48	---	6.61	---	---	---	2.56
13	---	---	---	14.25	3.67	---	14.42	---	---	---	2.32
14	---	---	14.97	8.93	2.87	---	14.63	---	---	---	2.16
15	---	---	13.78	4.94	2.55	---	10.45	3.10	---	---	---
16	---	---	8.65	4.43	3.26	---	4.98	11.11	---	---	---
17	---	---	4.44	6.28	5.03	---	3.69	16.28	---	---	---
18	---	---	2.93	8.79	3.19	9.97	8.08	15.92	---	---	---
19	---	---	---	5.23	2.49	4.92	6.37	14.10	---	4.33	---
20	---	---	---	3.64	---	4.08	4.15	12.75	---	4.14	---
21	---	---	---	3.01	---	12.45	3.07	10.04	---	3.65	---
22	---	---	---	5.56	---	11.00	3.44	15.42	3.26	5.16	---
23	---	---	---	13.71	---	4.94	3.21	16.27	2.47	5.64	---
24	---	---	---	11.83	---	5.46	2.98	15.57	---	4.82	---
25	---	---	---	6.13	---	4.85	3.07	12.39	---	3.80	---
26	---	---	---	4.47	---	6.79	5.76	6.32	---	3.45	---
27	---	---	---	3.85	---	14.69	4.88	3.53	---	3.15	---
28	---	---	---	3.05	---	16.79	3.30	4.39	---	2.91	---
29	---	3.18	3.31	3.03	---	17.06	2.44	4.03	---	4.09	---
30	---	---	---	3.04	---	17.03	---	2.90	---	4.22	---
31	---	---	---	2.79	---	16.37	---	2.53	---	3.32	---
MEAN	---	---	---	---	---	---	---	---	---	---	---
MAX	---	---	---	15.60	14.90	17.06	14.80	16.28	3.26	5.64	4.48
MIN	---	---	---	---	---	---	---	---	---	---	---

NOTE.--Days of no gage-height record, stream was below 2.14 ft (lowest recordable stage) except for periods of missing record, Oct. 1 to Nov. 28, and Dec. 4, 5.

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 Davis Parish line, Hydrologic Unit 08080201, 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 (station 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 available in files of Baton Rouge district office.

REVISED RECORDS.--WDR LA-77-2: 1974-76(M).

GAGE.--Water-stage recorder. Datum of gage is 1.03 ft (0.314 m) below National Geodetic Vertical Datum of 1929. Prior to July 7, 1979, nonrecording gage at same site and datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 24.05 ft (7.330 m) Sept. 23, 1979; minimum daily, 2.35 ft (0.716 m) Oct. 28, 1976.

EXTREMES OUTSIDE PERIOD OF RECORD.--Maximum gage height since March 1945, 30.3 ft (9.24 m) May 21, 22, 1953.

EXTREMES FOR CURRENT YEAR.--Maximum gage height observed, 23.50 ft (7.163 m) Apr. 1; minimum daily, 2.50 ft (0.762 m) July 17.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.32	8.02	19.50	4.89	13.58	11.12	23.45	7.42	17.43	3.00	5.19	3.46
2	16.66	9.81	19.10	4.83	10.32	16.10	23.30	5.42	15.20	2.96	4.80	3.19
3	13.89	9.17	18.42	4.74	6.90	18.61	22.64	4.58	12.18	2.92	4.49	3.02
4	10.62	7.42	18.02	4.62	5.00	19.77	22.33	3.80	8.78	2.86	4.23	2.92
5	6.84	5.34	15.90	4.46	4.47	20.02	21.64	3.28	6.49	2.80	3.98	2.79
6	4.40	4.06	13.63	4.45	4.25	19.66	21.90	3.15	5.56	2.80	3.99	3.16
7	3.90	3.47	9.92	3.99	4.01	19.02	20.42	3.15	5.26	2.80	4.41	3.20
8	3.78	3.37	7.36	3.98	3.90	18.20	19.72	4.58	5.22	2.59	4.38	3.21
9	3.73	3.53	5.64	8.60	8.57	17.02	18.70	6.29	5.00	2.57	4.12	3.15
10	3.41	3.87	3.96	11.35	14.27	14.23	18.14	7.49	4.76	2.51	4.05	3.11
11	3.43	4.80	3.76	15.12	16.97	11.66	15.83	6.98	4.66	2.59	3.97	3.07
12	3.43	4.65	3.74	16.96	18.22	8.15	13.05	6.10	4.50	2.86	3.78	3.02
13	3.37	4.90	6.90	18.12	18.56	6.06	14.05	5.28	4.24	2.86	3.68	3.02
14	3.14	4.33	13.20	18.48	18.28	5.36	16.18	5.18	3.96	3.00	3.69	3.02
15	3.28	3.69	16.25	18.25	17.57	4.60	17.30	10.70	3.85	2.82	3.66	2.94
16	3.31	3.30	17.68	17.64	16.85	4.40	17.95	16.85	3.79	2.52	3.60	3.01
17	3.26	3.14	18.20	16.76	16.62	8.90	17.78	20.30	3.74	2.50	3.48	3.01
18	3.29	3.10	17.90	15.75	15.18	15.10	17.50	22.03	3.69	2.66	3.36	2.96
19	3.35	3.02	17.15	14.92	13.52	17.44	16.96	22.26	3.65	2.59	3.31	2.92
20	3.41	2.96	16.15	12.87	10.66	18.50	16.90	21.75	3.87	4.62	3.25	3.05
21	3.49	3.06	14.30	10.94	7.72	19.26	16.90	21.28	6.95	5.15	3.14	3.10
22	3.58	4.63	11.60	8.72	5.91	19.59	16.08	21.00	8.70	5.31	3.01	3.07
23	3.29	11.89	8.85	14.21	5.16	19.82	13.70	21.37	9.41	6.20	2.93	3.03
24	3.30	16.62	8.95	16.32	4.74	19.49	11.15	21.53	8.40	6.67	2.89	3.04
25	3.46	18.99	11.95	18.02	4.45	18.56	7.80	21.55	7.53	6.80	2.88	3.04
26	3.51	20.21	13.15	18.55	4.17	18.72	6.95	21.30	6.33	6.26	2.93	2.97
27	3.54	20.59	12.70	18.31	3.93	19.39	8.95	20.86	5.64	5.53	2.91	3.06
28	3.45	20.58	11.65	17.98	3.81	21.00	9.25	20.38	4.18	5.14	2.94	3.18
29	3.34	20.32	9.02	17.27	3.62	22.24	9.16	20.13	3.68	4.68	2.98	3.18
30	3.46	19.97	6.11	16.58	---	22.84	7.62	19.46	3.24	5.41	3.13	4.31
31	4.72	---	5.02	15.68	---	23.25	---	18.48	---	5.62	3.51	---
MEAN	5.10	8.43	12.12	12.69	9.70	16.07	16.11	13.35	6.33	3.86	3.63	3.11
MAX	18.32	20.59	19.50	18.55	18.56	23.25	23.45	22.26	17.43	6.80	5.19	4.31
MIN	3.14	2.96	3.74	3.98	3.62	4.40	6.95	3.15	3.24	2.50	2.88	2.79

MERMENTAU RIVER BASIN

08012150 MERMENTAU RIVER AT MERMENTAU, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°11'23", long 92°35'25", on line between lots 14 and 31, T.10 S., R.2 W., Jefferson Davis Parish, Hydrologic Unit 08080202, at U.S. Highway 90 bridge between Silverwood and Mermentau.

DRAINAGE AREA.--1,381 mi² (3,577 km²).

PERIOD OF RECORD.--Water years 1979 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: April 1980 to September 1980.

WATER TEMPERATURES: April 1980 to September 1980.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 452 micromhos Sep. 30, 1980; minimum daily, 53 micromhos May 21, 1980.

WATER TEMPERATURES: Maximum daily, 31.0°C July 12, 14, 15, 17, 18, 19, 20, 1980; minimum daily, 18.0°C Apr. 21, 22, 1980.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	STREAM- FLOW, INSTAN- TANEOUS (CFS)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COBALT UNITS)	TUR- BID- ITY (NTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	STREP- TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML)
OCT 23...	1400	.00	100	7.1	23.0	80	22	2.7	1.2	K35	160
NOV 15...	1300	.00	166	6.8	17.5	80	36	3.8	1.8	--	1100
DEC 20...	1030	3380	63	6.0	9.0	100	92	7.4	2.5	K150	K1000
JAN 24...	1300	4400	128	6.9	14.0	160	240	5.7	4.6	K6600	1800
FEB 20...	1300	2530	58	6.0	11.5	25	62	8.7	2.0	K25	110
MAR 17...	1200	1190	60	6.2	17.0	20	11	5.7	--	K40	400
APR 21...	1030	4120	72	6.0	19.5	120	250	5.8	2.8	140	240
MAY 05...	1300	219	158	6.2	26.0	150	240	4.5	4.2	K100	K80
JUN 02...	1200	2650	66	6.3	25.5	80	54	4.0	1.9	K47	K42000
JUL 15...	1015	515	188	6.7	31.0	60	36	3.9	3.3	K60	K73
AUG 04...	1130	.00	343	7.2	30.5	20	19	5.3	--	<50	<10
SEP 02...	1115	.00	425	6.8	31.0	15	1.0	5.0	2.1	K20	1200

DATE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CAC03)
OCT 23...	26	0	6.5	2.3	7.3	34	.6	4.4	35	0	29
NOV 15...	34	0	7.9	3.5	17	47	1.3	5.9	43	0	35
DEC 20...	16	5	3.3	1.9	5.7	50	.6	3.3	14	0	11
JAN 24...	30	0	7.6	2.6	12	43	1.0	3.6	40	0	33
FEB 20...	10	2	2.7	.8	5.2	48	.7	1.7	10	0	8
MAR 17...	13	3	3.4	1.1	5.7	45	.7	1.6	12	0	10
APR 21...	16	3	4.1	1.3	6.2	43	.7	2.0	15	0	12
MAY 05...	35	0	9.0	3.0	16	47	1.2	3.2	42	0	34
JUN 02...	17	3	4.3	1.5	5.2	36	.6	2.5	17	0	14
JUL 15...	44	1	11	4.0	19	46	1.2	4.0	52	0	43
AUG 04...	75	0	18	7.3	38	51	1.9	4.4	115	0	88
SEP 02...	99	0	24	9.6	43	47	1.9	4.8	154	0	126

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CARRON DIOXIDE DIS- SOLVED (MG/L AS CO2)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
OCT 23...	4.6	5.5	8.9	.1	7.4	73	61	.10	.15	.16	.25
NOV 15...	11	9.6	25	.1	9.9	111	100	.15	--	.30	.26
DEC 20...	22	6.4	8.6	.1	5.1	47	42	.06	.12	.11	.17
JAN 24...	8.2	2.9	15	.1	7.8	107	72	.15	.26	.29	.23
FEB 20...	16	5.2	6.0	.1	3.8	47	31	.06	.18	.22	.23
MAR 17...	12	3.6	7.6	.1	4.2	54	33	.07	.18	--	.25
APR 21...	24	4.4	8.1	.2	4.6	60	38	.08	--	.60	--
MAY 05...	42	4.0	21	.2	4.5	108	82	.15	.69	--	--
JUN 02...	14	3.4	7.8	.1	4.7	59	39	.08	.21	--	.22
JUL 15...	17	8.4	22	.1	7.6	119	102	.16	.16	.17	.13
AUG 04...	11	6.3	46	.4	17	206	195	.28	.25	.25	.13
SEP 02...	39	3.4	55	.3	17	239	233	.33	--	.26	.00

DATE	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)
OCT 23...	--	.30	--	.85	--	1.1	.26	.84	1.3	1.0	5.5
NOV 15...	.23	.31	.30	--	.97	1.1	--	1.2	--	1.5	--
DEC 20...	.03	.21	.04	--	1.4	1.3	--	1.4	1.4	1.5	6.3
JAN 24...	.19	.28	.24	--	.91	--	--	1.1	--	1.4	--
FEB 20...	.18	.28	.23	.87	.55	1.1	.37	.73	1.3	.95	5.7
MAR 17...	.22	.30	.28	1.3	.78	1.5	.50	1.0	1.7	--	7.4
APR 21...	.36	--	.46	--	.64	1.7	.70	1.0	--	1.6	--
MAY 05...	.43	--	.55	--	1.1	2.6	1.1	1.5	3.3	--	15
JUN 02...	--	.27	--	1.6	--	1.8	1.3	.48	2.0	--	8.9
JUL 15...	.06	.16	.08	.97	1.1	1.1	--	1.2	1.3	1.4	5.6
AUG 04...	.05	.16	.06	1.1	1.1	1.2	.10	1.1	1.5	1.4	6.4
SEP 02...	.02	.00	.03	1.1	1.3	1.1	--	1.3	--	1.6	--

MERMENTAU RIVER BASIN

08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDED RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	CARRON, ORGANIC TOTAL (MG/L AS C)	CARRON, ORGANIC DIS- SOLVED (MG/L AS C)	CARRON, ORGANIC SUS- PENDED (MG/L AS C)	
OCT 23...	.210	.64	.120	0	0	0	--	12	--	
NOV 15...	.180	.55	.070	--	--	--	10	--	--	
DEC 20...	.200	.61	.080	0	--	--	16	--	--	
JAN 24...	.210	.64	.160	0	0	0	--	13	4.4	
FEB 20...	.140	.43	.090	--	--	--	16	--	--	
MAR 17...	.170	.52	.040	--	--	--	13	--	--	
APR 21...	.030	.09	.010	0	0	0	--	9.6	1.4	
MAY 05...	.380	1.2	.060	--	--	--	20	--	--	
JUN 02...	.170	.52	.100	--	--	--	12	--	--	
JUL 15...	.180	.55	.130	0	0	0	--	10	.7	
AUG 04...	.140	.43	.110	0	--	--	5.2	--	--	
SEP 02...	.130	.40	.090	--	--	--	12	--	--	
	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIUM, SUS- PENDED RECOV- ERABLE (UG/L AS BA)	BARIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)	CHRO- MIUM, SUS- PENDED RECOV- ERABLE (UG/L AS CR)
OCT 23...	3	1	2	200	130	70	0	1	4	4
JAN 24...	3	2	1	200	130	70	1	2	10	10
APR 21...	3	2	1	200	150	50	1	2	10	10
JUL 15...	4	2	2	100	0	100	0	<1	10	10
	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	CORALT, TOTAL RECOV- ERABLE (UG/L AS CO)	CORALT, SUS- PENDED RECOV- ERABLE (UG/L AS CO)	CORALT, DIS- SOLVED (UG/L AS CO)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDED RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)
OCT 23...	0	2	--	3	1	--	4	1300	1000	280
JAN 24...	0	4	1	3	10	--	11	8400	8200	220
APR 21...	0	1	0	1	10	2	8	6000	5900	120
JUL 15...	0	3	--	3	15	9	6	1800	1700	130

< Actual value is known to be less than the value shown.

08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	LEAD, TOTAL RECOV- FRABLE (UG/L AS PR)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PR)	LEAD, DIS- SOLVED (UG/L AS PR)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MERCURY TOTAL RECOV- FRABLE (UG/L AS HG)	MERCURY SUS- PENDE RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)
OCT 23...	10	8	2	180	50	130	.1	.1	.0
JAN 24...	16	11	5	160	140	20	.0	--	.1
APR 21...	16	13	3	160	110	50	.2	.2	.0
JUL 15...	54	50	4	130	90	40	.1	.1	.0

DATE	NICKEL, TOTAL RECOV- FRABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL RECOV- ERABLE (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
OCT 23...	7	0	7	0	0	0	--	--	60
JAN 24...	13	4	9	0	0	0	110	70	40
APR 21...	5	2	3	0	0	0	100	90	10
JUL 15...	6	3	3	0	0	0	20	20	5

DATE	PHYTO- PLANK- TON, TOTAL (CFLLS PER ML)	SEDI- MENT, SUS- PENDE (MG/L)	SEDI- MENT DIS- CHARGE, SUS- PENDE (T/DAY)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
OCT 23...	--	38	.00	92
NOV 15...	110	47	.00	93
DEC 20...	--	84	767	95
JAN 24...	--	98	1160	99
FEB 20...	--	68	465	97
MAR 17...	430	132	424	98
APR 21...	--	243	2700	93
MAY 05...	1800	222	131	99
JUN 02...	64	64	458	98
JUL 15...	2300	50	70	99
AUG 04...	--	64	.00	94
SEP 02...	--	41	.00	80

08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1							---	130	55	185	362
2							---	137	57	179	358
3							---	148	59	187	349
4							---	140	63	186	349
5							---	153	67	176	351
6							---	158	69	---	342
7							---	162	73	180	358
8							---	180	75	169	371
9							---	174	83	167	374
10							---	180	93	164	373
11							---	191	94	161	372
12							---	199	91	162	369
13							---	235	90	---	370
14							---	258	85	161	372
15							---	224	83	159	370
16							---	208	82	160	370
17							---	94	86	161	369
18							---	54	82	162	390
19							---	56	81	162	388
20							---	54	78	164	391
21							67	53	85	182	401
22							67	55	128	206	424
23							62	60	162	276	428
24							57	72	232	329	434
25							57	68	178	306	440
26							69	59	187	325	438
27							109	57	190	340	437
28							100	54	192	332	436
29							128	57	191	355	431
30							126	59	192	364	425
31							---	58	---	348	422

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG
1							---	---	24.0	27.5	28.0
2							---	---	24.5	30.0	28.0
3							---	---	25.0	29.0	28.0
4							---	---	25.5	29.0	29.0
5							---	---	26.0	30.0	29.0
6							---	23.0	25.0	---	28.0
7							---	22.5	25.5	30.5	28.0
8							---	22.0	27.0	30.0	28.0
9							---	21.0	26.0	30.0	28.5
10							---	22.0	24.0	30.0	28.5
11							---	---	25.5	30.5	29.0
12							---	23.0	25.5	31.0	29.0
13							---	23.0	26.0	---	29.0
14							---	23.0	26.5	31.0	29.0
15							---	22.0	26.5	31.0	29.0
16							---	22.5	27.5	30.5	29.0
17							---	22.0	27.0	31.0	29.0
18							---	21.0	27.5	31.0	29.0
19							---	22.0	29.0	31.0	29.5
20							---	21.5	29.5	31.0	29.5
21							18.0	22.0	27.0	30.0	29.5
22							18.0	22.0	27.0	29.5	29.5
23							18.5	22.5	27.0	29.5	29.0
24							---	22.5	27.0	29.5	29.0
25							---	23.0	27.5	29.5	29.0
26							---	24.5	28.0	29.5	29.0
27							---	24.0	29.0	28.5	29.0
28							---	23.5	29.0	28.5	29.0
29							---	24.0	29.0	28.0	29.0
30							---	24.5	29.0	28.0	28.5
31							---	25.0	---	28.5	29.0

Actual value is lower than the value shown.

08012150 MERMENTAU RIVER AT MERMENTAU, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JULY 1980

DATE TIME	NOV 15,79 1300	MAR 17,80 1200	MAY 5,80 1300	JUN 2,80 1200	JUL 15,80 1015					
TOTAL CELLS/ML	110	430	1800	64	2300					
DIVERSITY: DIVISION	1.6	1.1	1.8	0.0	1.2					
..CLASS	1.6	1.1	1.9	0.0	1.2					
..ORDER	1.6	1.4	2.5	0.0	2.1					
...FAMILY	2.1	2.1	2.7	0.7	2.1					
....GENUS	2.4	2.6	3.0	0.7	2.2					
ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)										
..CHLOROPHYCEAE										
...CHLOROCOCCALES										
....CHLOROCOCCACEAF										
.....CHLOROCOCCUM	10	10	--	--	--	--	--	--	--	--
....OOCYSTACEAE										
.....ANKISTRODESMUS	20#	19	110#	27	41	2	--	--	--	--
.....KIRCHNERIELLA	--	--	72#	17	--	--	--	--	--	--
.....SELENASTRUM	--	--	--	--	--	--	--	--	13	1
....SCENEDESMACEAE										
.....CRUCIGENTIA	--	--	--	--	55	3	--	--	--	--
.....SCENEDESMUS	10	10	110#	27	55	3	--	--	77	3
.....TETRASTRUM	--	--	--	--	--	--	--	--	52	2
..VOLVOCALES										
...CHLAMYDOMONADACEAE										
....CHLAMYDOMONAS	--	--	14	3	--	--	--	--	150	7
...POLYHLEPHARIDACEAE										
....PYRAMIMONAS	--	--	--	--	27	2	--	--	--	--
...VOLVOCAEEAE										
....EUDORINA	--	--	--	--	380#	21	--	--	--	--
CHRYSOPHYTA										
..BACTILLARIOPHYCEAE										
...CENTRALES										
...COSCINODISCACEAE										
....CYCLOTELLA	30#	29	14	3	--	--	--	--	130	6
....MELOSIRA	--	--	43	10	--	--	--	--	--	--
..PENNALES										
...GOMPHONEMATACEAE										
....GOMPHONEMA	--	--	--	--	14	1	--	--	--	--
...NAVICULACEAF										
....NAVICULA	--	--	--	--	14	1	--	--	--	--
...PINNULARIA	--	--	--	--	--	--	13#	20	--	--
...NITZSCHACEAF										
....NITZSCHIA	--	--	29	7	55	3	52#	80	26	1
..CHRYSOPHYCEAE										
...CHRYSONOMADALES										
...OCHROMONADACEAE										
....STENOCALYX	--	--	--	--	69	4	--	--	--	--
CYANOPHYTA (BLUE-GREEN ALGAE)										
..CYANOPHYCEAE										
...CHROOCOCCALES										
....CHROOCOCCACEAE										
.....AGMENELLUM	--	--	--	--	--	--	--	--	720#	31
.....ANACYSTIS	--	--	--	--	550#	30	--	--	26	1
...HORMOGONALES										
...OSCILLATORIAEAE										
....LYNGRYA	--	--	--	--	140	8	--	--	--	--
....OSCILLATORIA	--	--	--	--	55	3	--	--	1000#	44
EUGLENOPHYTA (EUGLENOIDS)										
..EUGLENOPHYCEAE										
...EUGLENALES										
....EUGLENACEAE										
.....EUGLENA	--	--	--	--	14	1	--	--	--	--
.....EUTREPTIA	10	10	--	--	--	--	--	--	--	--
....LEPOCINCLIS	--	--	--	--	27	2	--	--	--	--
....PHACUS	--	--	--	--	14	1	--	--	--	--
....TRACHELOMONAS	25#	24	29	7	320#	17	--	--	52	2
PYRRHOPHYTA (FIRE ALGAE)										
..DINOPHYCEAE										
...PERIDINIALES										
....GLENODINIACEAE										
.....GLENODINIUM	--	--	--	--	--	--	--	--	39	2

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

08012470 BAYOU LACASSINE NEAR LAKE ARTHUR, LA

LOCATION.--Lat 30°04'12", long 92°52'43", in S. 1/4 Sec. 21, T. 11 S., R. 5 W., Jefferson Davis Parish, Hydrologic Unit 08080202, at bridge on State Highway 14, 12.9 mi (20.8 km) west of town of Lake Arthur, and 16.8 mi (27.0 km) upstream from Intracoastal Waterway.

DRAINAGE AREA.--299 mi² (774 km²).

PERIOD OF RECORD.--Annual peaks, water years 1969-74, October 1974 to current year (gage height only).

GAGE.--Water-stage recorder. Datum of gage is 7.00 ft (2.134 m) below National Geodetic Vertical Datum of 1929 (levels by Louisiana Department of Transportation and Development, Office of Highways); prior to Oct. 1, 1974, nonrecording gage at same site at datum 0.85 ft (0.259 m) lower.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 12.72 ft (3.877 m) May 19, 1980; minimum, 7.02 ft (2.140 m) Jan. 2, 1979.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 12.72 ft (3.877 m) May 19; minimum, 7.34 ft (2.237 m) Mar. 2.

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9.35	8.44	8.65	8.17	8.59	7.90	10.41	8.59	10.44	7.80	8.47	8.21
2	9.23	8.34	8.59	8.23	8.72	7.38	10.49	8.57	10.33	7.75	8.43	8.15
3	9.15	8.38	8.55	8.30	8.70	8.06	10.72	8.49	10.18	7.78	8.46	8.13
4	9.09	8.40	8.50	7.91	8.59	8.19	10.42	8.39	9.97	7.77	8.47	8.06
5	8.89	8.43	8.51	8.10	8.61	8.21	10.35	8.30	9.85	7.74	8.50	8.00
6	8.86	8.43	8.53	8.19	8.46	8.18	10.32	8.23	9.73	7.72	8.42	8.42
7	8.74	8.31	8.50	8.21	8.50	8.43	10.29	8.21	9.65	7.75	8.43	8.40
8	8.70	8.40	8.40	8.07	8.70	8.42	10.14	8.17	9.46	7.57	8.40	8.35
9	8.68	8.48	8.36	8.25	8.52	8.27	9.87	8.23	9.23	7.58	8.49	8.29
10	8.33	8.28	8.32	8.38	8.36	8.30	9.80	8.39	9.12	7.62	8.55	8.26
11	8.40	8.07	8.34	8.65	8.51	8.32	9.93	8.45	9.04	7.57	8.54	8.22
12	8.43	8.16	8.37	8.71	8.47	8.52	9.89	8.48	8.94	7.53	8.46	8.18
13	8.43	8.03	8.29	8.86	8.44	8.29	9.90	8.43	8.85	7.48	8.41	8.20
14	8.21	8.03	8.57	8.88	8.50	8.08	9.86	8.33	8.82	7.51	8.45	8.18
15	8.37	8.10	8.70	8.95	8.57	8.19	9.91	8.61	8.85	7.58	8.56	8.07
16	8.39	8.05	8.71	8.97	8.30	8.38	9.85	9.87	8.81	7.67	8.50	8.15
17	8.35	8.05	8.48	9.00	8.22	8.36	9.80	11.72	8.74	7.62	8.46	8.18
18	8.34	8.11	8.56	9.10	8.39	8.16	9.72	12.36	8.64	7.64	8.43	8.16
19	8.38	8.10	8.63	9.10	8.57	8.35	9.53	12.68	8.62	7.56	8.40	8.10
20	8.51	8.14	8.67	9.13	8.53	8.47	9.45	12.70	8.46	7.52	8.33	8.22
21	8.54	8.18	8.68	9.16	8.54	8.19	9.34	12.50	8.37	7.56	8.22	8.28
22	8.66	8.00	8.75	9.21	8.51	8.38	9.21	12.33	8.39	7.67	8.12	8.26
23	8.35	8.36	8.70	9.09	8.52	8.47	9.10	12.07	8.48	7.73	8.05	8.22
24	8.35	8.83	8.76	9.23	8.43	8.55	9.07	11.85	8.40	7.75	8.01	8.23
25	8.34	8.98	8.63	9.23	8.22	8.40	9.12	11.67	8.33	7.79	8.04	8.23
26	8.33	9.10	8.58	9.20	8.13	8.45	9.10	11.41	8.16	7.85	8.07	8.20
27	8.43	9.12	8.51	9.09	8.22	8.80	8.83	11.20	8.06	7.94	8.07	8.24
28	8.45	8.92	8.48	9.08	8.26	9.58	8.71	11.03	8.03	8.05	8.08	8.33
29	8.40	8.70	8.36	9.04	8.18	10.16	8.64	10.88	8.01	8.51	8.07	8.33
30	8.51	8.65	8.32	9.04	---	10.38	8.61	10.72	7.93	8.57	8.23	8.25
31	8.66	---	8.20	9.70	---	10.45	---	10.57	---	8.51	8.20	---
MEAN	8.58	8.39	8.52	8.78	8.46	8.52	9.68	10.05	8.93	7.76	8.33	8.22
MAX	9.35	9.12	8.76	9.70	8.72	10.45	10.72	12.70	10.44	8.57	8.56	8.42
MIN	8.21	8.00	8.20	7.91	8.13	7.38	8.61	8.17	7.93	7.48	8.01	8.00

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, Hydrologic Unit 08080205, 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.

REVISED RECORDS.--WSP 2122: 1958(M).

GAGE.--Water-stage recorder. Datum of gage is 16.34 ft (4.980 m) National Geodetic Vertical Datum of 1929. Oct. 13, 1953, to Mar. 8, 1956, crest-stage gage at site 100 ft (30 m) downstream at same datum.

REMARKS.--Records good. Records of water temperature for water year 1980 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--24 years, 236 ft³/s (6.684 m³/s), 18.11 in/yr (460 mm/yr), 171,000 acre-ft/yr (211 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,500 ft³/s (326 m³/s) May 18, 1980, gage height, 17.70 ft (5.395 m); no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 11,500 ft³/s (326 m³/s) May 18, gage height, 17.70 ft (5.395 m); minimum, no flow many days.

DISCHARGE IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	171	86	88	158	35	3250	69	30	1.1	.51	.00
2	19	224	45	79	103	62	2610	144	36	.52	1.1	.00
3	14	172	32	82	88	106	1910	169	28	.28	2.8	.00
4	11	89	25	125	84	166	1310	67	18	.13	2.2	.00
5	8.1	44	21	174	73	201	785	71	10	.03	1.4	.00
6	6.5	26	19	217	69	194	401	47	6.7	.00	.85	.00
7	5.6	17	17	208	65	159	259	26	4.7	.00	.50	.00
8	4.8	13	15	154	74	115	189	19	3.2	.00	.32	.07
9	3.9	16	14	106	445	94	102	12	2.3	.00	.19	.00
10	3.2	19	13	166	1160	84	61	9.1	1.7	.00	.06	.01
11	2.6	23	12	268	1460	78	47	9.2	1.2	.00	.01	.04
12	2.4	33	14	300	1560	67	101	13	.93	.00	.00	.02
13	2.3	29	74	308	1500	55	256	11	.75	.00	.03	.00
14	2.1	26	348	284	1360	44	543	103	.59	.00	.80	.00
15	1.8	20	878	238	1100	37	805	287	.44	.00	.58	.00
16	1.6	15	1190	194	754	32	988	1200	.32	.00	.32	.00
17	1.4	11	1180	138	395	33	1110	8810	.25	.00	.15	.00
18	1.3	8.9	1010	98	261	49	1050	11100	.20	.00	.03	.00
19	1.2	7.4	799	80	246	102	801	8740	.14	.00	.00	.00
20	1.2	6.3	523	85	222	173	476	5700	.15	.00	.00	.00
21	1.2	5.7	252	155	180	264	243	3490	.20	.00	.00	.00
22	6.4	54	128	429	123	326	154	2280	.25	.00	.00	.00
23	7.5	261	77	1450	89	360	89	1540	.53	.00	.00	.00
24	11	792	125	2430	71	352	48	1030	.82	.00	.00	.00
25	41	976	223	2700	58	301	34	695	1.7	.00	.00	.00
26	29	901	358	2530	46	292	32	475	3.1	.04	.00	.00
27	18	780	392	2030	38	626	48	273	5.7	2.9	.00	1.1
28	12	594	323	1480	32	1850	86	111	9.5	3.7	.00	6.2
29	8.2	374	240	991	28	2740	128	58	5.5	2.5	.00	3.5
30	8.2	192	175	536	---	3190	132	42	2.4	1.2	.00	12
31	100	---	116	268	---	3430	---	32	---	.68	.00	---
TOTAL	362.5	5900.3	8724	18391	11842	15617	18048	46632.3	175.27	13.08	11.85	22.94
MEAN	11.7	197	281	593	408	504	602	1504	5.84	.42	.38	.76
MAX	100	976	1190	2700	1560	3430	3250	11100	36	3.7	2.8	12
MIN	1.2	5.7	12	79	28	32	32	9.1	.14	.00	.00	.00
CFSM	.07	1.11	1.59	3.35	2.31	2.85	3.40	8.50	.03	.002	.002	.004
IN	.08	1.24	1.83	3.87	2.49	3.28	3.79	9.80	.04	.00	.00	.00

CAL YR 1979 TOTAL 125167.57 MEAN 343 MAX 3250 MIN .39 CF5M 1.94 IN 26.31
WTR YR 1980 TOTAL 125740.24 MEAN 344 MAX 11100 MIN .00 CF5M 1.94 IN 26.43

CALCASIEU RIVER BASIN

08016800 BEAR HEAD CREEK NEAR STARKS, LA--Continued

GAGE HEIGHT (FEET ABOVE DATUM), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.45	10.97	9.91	9.80	10.50	8.56	14.91	9.27	8.43	7.52	7.42	6.89
2	8.25	11.35	8.99	9.62	9.89	9.15	14.44	10.27	8.57	7.42	7.51	6.87
3	8.09	10.98	8.66	9.67	9.65	9.91	13.83	10.58	8.38	7.35	7.67	6.85
4	7.98	9.99	8.47	10.31	9.59	10.57	13.17	9.25	8.13	7.29	7.63	6.83
5	7.87	9.01	8.35	10.77	9.39	10.87	12.39	9.34	7.94	7.24	7.56	6.88
6	7.80	8.49	8.28	11.09	9.29	10.82	11.58	8.82	7.84	7.20	7.49	7.04
7	7.75	8.23	8.22	11.02	9.22	10.51	11.14	8.33	7.76	7.16	7.42	7.06
8	7.71	8.09	8.16	10.58	9.32	10.06	10.77	8.15	7.69	7.12	7.37	7.05
9	7.65	8.18	8.11	10.05	11.66	9.75	9.85	7.97	7.64	7.09	7.31	7.03
10	7.61	8.31	8.07	10.66	12.98	9.57	9.13	7.86	7.60	7.04	7.26	7.20
11	7.57	8.42	8.04	11.25	13.35	9.47	8.83	7.86	7.54	7.02	7.21	7.25
12	7.55	8.70	8.12	11.36	13.47	9.27	9.70	8.00	7.50	6.99	7.18	7.23
13	7.54	8.59	9.50	11.38	13.40	9.00	11.09	7.93	7.47	6.96	7.18	7.19
14	7.51	8.50	11.59	11.29	13.24	8.76	11.91	9.18	7.44	6.93	7.48	7.15
15	7.48	8.33	12.77	11.12	12.90	8.59	12.44	11.24	7.40	6.90	7.44	7.12
16	7.46	8.15	13.22	10.86	12.34	8.48	12.74	12.78	7.37	6.88	7.37	7.08
17	7.44	8.02	13.21	10.36	11.56	8.50	12.92	17.00	7.34	6.87	7.30	7.06
18	7.42	7.93	12.97	9.85	11.15	8.87	12.82	17.62	7.32	6.89	7.24	7.04
19	7.40	7.86	12.62	9.54	11.09	9.85	12.43	17.03	7.30	6.88	7.17	7.01
20	7.39	7.80	12.07	9.62	10.99	10.63	11.76	16.07	7.30	6.86	7.11	6.99
21	7.39	7.77	11.29	10.49	10.70	11.16	11.05	15.05	7.32	6.87	7.07	6.97
22	7.75	9.13	10.40	11.59	10.15	11.37	10.46	14.17	7.34	6.86	7.04	6.95
23	7.86	11.40	9.66	13.31	9.66	11.47	9.65	13.44	7.43	6.85	7.01	6.93
24	7.95	12.67	10.36	14.29	9.34	11.45	8.84	12.80	7.48	6.83	6.97	6.91
25	8.92	12.98	11.15	14.52	9.07	11.29	8.52	12.23	7.60	6.82	6.94	6.90
26	8.59	12.87	11.64	14.38	8.81	11.26	8.47	11.77	7.68	6.89	6.92	6.91
27	8.26	12.66	11.73	13.94	8.62	12.04	8.84	11.16	7.79	7.67	6.89	7.12
28	8.04	12.31	11.53	13.38	8.48	13.74	9.60	9.94	7.93	7.72	6.89	7.82
29	7.90	11.80	11.23	12.73	8.38	14.54	10.21	9.06	7.79	7.65	6.90	7.70
30	7.87	11.08	10.82	11.89	---	14.87	10.25	8.71	7.64	7.54	6.91	8.01
31	10.17	---	10.22	11.16	---	15.03	---	8.47	---	7.46	6.91	---
MEAN	7.89	9.69	10.30	11.35	10.63	10.63	11.12	11.01	7.67	7.12	7.22	7.10
MAX	10.17	12.98	13.22	14.52	13.47	15.03	14.91	17.62	8.57	7.72	7.67	8.01
MIN	7.39	7.77	8.04	9.54	8.38	8.48	8.47	7.86	7.30	6.82	6.89	6.83

08017015 HOUSTON RIVER NEAR BUHLER, LA

LOCATION.--Lat 30°17'24", long 93°21'20", in SE¼ sec.11, T.8 S., R.9 W., Louisiana Meridian, Calcasieu Parish, Hydrologic Unit 08080205, at bridge on State Highway 27 and 3.0 mi (4.8 km) south of Buhler.

DRAINAGE AREA.--Indeterminate.

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

WATER QUALITY DATA: WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL. 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL. KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)
OCT 12...	1400	44	5.5	27.5	100	20	8.2	--	<10	K50	10	3
NOV 08...	1300	58	4.9	20.0	140	20	5.3	3.4	K30	140	11	9
DEC 03...	1300	66	5.4	9.5	120	25	7.7	2.8	K35	K55	11	4
JAN 11...	1330	84	5.7	12.5	100	55	7.8	2.1	--	9000	12	8
FEB 14...	1000	41	5.0	9.0	100	35	10.0	1.9	520	200	7	6
MAR 13...	1000	77	5.3	18.0	100	40	5.2	3.0	K10	--	11	8
APR 24...	1400	44	5.7	22.5	100	40	5.5	1.5	K30	K30	8	5
MAY 05...	1615	60	5.6	25.0	120	60	5.8	5.6	K95	100	9	4
JUN 02...	1400	49	5.5	29.5	140	20	5.0	2.2	K20	2400	10	7
JUL 10...	1115	95	6.0	32.5	80	10	6.4	.9	K15	K280	13	3
AUG 04...	1430	104	6.3	32.0	60	10	6.7	1.6	1020	1800	16	3
SEP 02...	1445	105	6.3	31.5	50	50	6.7	3.8	--	K64	20	4

DATE	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	SODIUM PERCENT	SODIUM AD- SORP- TION RATIO	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	ALKA- LINITY (MG/L AS CACO3)	SULFATE DIS- SOLVED (MG/L AS SO4)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)
OCT 12...	2.6	.8	3.4	40	.5	1.1	8	0	7	3.4	6.2	.0
NOV 08...	2.6	1.0	5.0	46	.7	1.7	2	0	2	8.8	9.2	.0
DEC 03...	2.6	1.1	8.4	60	1.1	1.1	8	0	7	4.6	13	.0
JAN 11...	3.5	.9	9.4	59	1.2	1.2	6	0	5	7.1	16	.1
FEB 14...	1.8	.6	4.9	57	.8	.8	1	0	1	2.6	10	.0
MAR 13...	2.7	1.0	9.5	64	1.3	.8	4	0	3	4.4	15	.0
APR 24...	1.9	.9	5.0	53	.7	.8	4	0	3	3.6	7.1	.1
MAY 05...	2.1	.8	7.8	63	1.2	1.1	5	0	4	3.3	14	.1
JUN 02...	2.6	.9	5.5	49	.8	1.7	4	0	3	6.4	8.3	.0
JUL 10...	3.3	1.2	12	64	1.4	1.2	12	0	10	3.3	20	.1
AUG 04...	4.0	1.4	12	60	1.3	1.2	16	0	13	4.7	19	.1
SEP 02...	4.7	2.0	12	54	1.2	2.0	20	0	16	5.8	17	.2

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

08017015 HOUSTON RIVER NEAR BUHLER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS P04)
OCT 12...	4.8	--	26	--	.03	1.5	1.5	6.8	.060	.18
NOV 08...	5.0	29	34	.04	.04	.99	1.0	4.6	.060	.18
DEC 03...	6.7	66	42	.09	.05	1.7	1.8	7.7	.050	.15
JAN 11...	6.6	79	48	.11	.29	1.4	1.7	7.5	.100	.31
FEB 14...	3.0	32	24	.04	.12	.93	1.1	4.6	.030	.09
MAR 13...	6.6	71	42	.10	.13	1.4	1.5	6.8	.080	.25
APR 24...	4.5	51	26	.07	.11	1.2	1.3	5.8	.060	.18
MAY 05...	7.0	63	38	.09	.41	1.3	1.7	7.6	.060	.18
JUN 02...	5.2	--	33	--	.09	1.7	1.8	7.9	.080	.25
JUL 10...	6.4	89	54	.12	.00	1.3	1.3	5.8	.050	.15
AUG 04...	5.6	80	56	.11	.00	1.0	1.0	4.4	.080	.25
SEP 02...	8.0	86	63	.12	.00	1.3	1.3	5.8	.050	.15

DATE	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	IRON, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS FE)	LEAD, DIS- SOLVED (UG/L AS PH)	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PH)
OCT 12...	0	0	1	0	4	0	11	4	360	2600	2	50
JAN 11...	0	--	2	--	--	0	1	--	300	--	0	--
APR 24...	0	--	<1	--	--	0	5	--	310	--	5	--
JUL 10...	1	--	<1	--	--	0	7	--	110	--	3	--

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 12...	320	200	.0	.02	50	9	--	.00	11	--	4
JAN 11...	120	--	.2	--	10	--	20	--	--	--	--
APR 24...	150	--	.2	--	10	--	17	--	--	.0	--
JUL 10...	130	--	.2	--	10	--	17	--	--	--	--

< Actual value is known to be less than the value shown.

08017015 HOUSTON RIVER NEAR BUHLER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	NAPH- THA- LENFS, POLY- CHLOR, TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 12...	--	--	.0	--	6	--	.4	--	.3	--	.0
APR 24...	.00	.00	--	.0	--	.00	--	.00	--	.00	--

DATE	DT- AZINON, TOTAL (UG/L)	AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)
OCT 12...	--	.0	--	.0	--	--	.0	--	.0	--	.0	--
APR 24...	.00	--	.00	--	.00	.00	--	.00	--	.00	--	.00

DATE	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
OCT 12...	.0	--	.0	--	.0	--	.0	--	.0	--	.0
APR 24...	--	.00	--	.00	--	.00	--	.00	--	.00	--

DATE	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
OCT 12...	--	--	.0	--	--	0	--	.0	.05	.01	.00	
APR 24...	.00	.00	--	.00	0	--	.00	--	.00	.00	.00	

DATE	SEDIM- ENT, SUS- PENDED (MG/L)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM
DEC 03...	74	79
JAN 11...	66	89
FEB 14...	37	92
MAR 13...	52	92
APR 24...	112	69
MAY 05...	68	99
JUN 02...	60	96
JUL 10...	58	92
AUG 04...	38	92
SEP 02...	37	62

301513093130500 CALCASIEU RIVER EAST OF SALT WATER BARRIER AT LAKE CHARLES, LA (CE 73472)

LOCATION.--Lat 30°15'13", long 93°13'05", T.9 S., R.8 W., Calcasieu Parish, Hydrologic Unit 08080206, in navigation channel on east side of structure, 1.8 mi (2.9 km) north of Lake Charles Post Office.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1976 to October 1978, December 1979 to September 1980.

CHLORIDE: October 1974 to October 1978, December 1979 to September 1980.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum daily, 31.5°C Aug. 10, 11, 1977; minimum daily, 6.0°C Jan. 22, 23, 1978.

CHLORIDE: Maximum daily, 11,000 mg/L Nov. 9, 18, 1977, Sep. 8, 1980; minimum daily, 4.4 mg/L May 7, 14, 1975.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 30.0°C on several days during July, August and September; minimum daily, 9.0°C Feb. 10, 11, 12, 13.

CHLORIDE: Maximum daily, 11,000 mg/L Sep. 8; minimum daily, 5.0 mg/L on several days during December, February, April, May and June.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			11.0	12.0	14.0	17.0	16.0	20.0	26.0	28.0	29.0	30.0
2			11.0	13.0	14.0	15.5	16.0	20.0	26.0	28.0	29.0	30.0
3			10.0	13.0	14.0	14.0	16.0	20.0	26.0	28.0	29.0	30.0
4			10.0	13.0	13.0	14.0	16.0	25.0	27.0	29.0	29.0	30.0
5			11.0	12.0	13.0	14.0	16.0	26.0	26.0	29.0	29.0	30.0
6			11.0	13.0	13.0	14.5	16.0	27.0	27.0	29.0	29.0	30.0
7			11.0	13.0	13.0	14.0	15.0	22.0	28.0	29.0	29.0	30.0
8			11.0	13.0	13.0	15.0	15.0	22.0	26.0	29.0	30.0	30.0
9			11.0	12.0	12.0	14.0	15.0	21.0	27.0	29.0	30.0	30.0
10			12.0	12.0	9.0	16.0	15.0	22.0	27.0	29.0	30.0	30.0
11			12.0	13.0	9.0	16.0	15.0	22.0	27.0	29.0	30.0	28.0
12			12.0	13.0	9.0	17.0	15.0	22.0	27.0	29.0	30.0	28.0
13			13.0	13.0	9.0	17.0	---	23.0	27.0	29.0	30.0	29.0
14			13.0	13.0	10.0	17.5	---	23.0	27.0	29.0	30.0	29.0
15			13.0	14.0	10.5	17.5	---	23.0	27.0	29.0	30.0	29.0
16			13.0	13.0	11.0	17.0	---	23.0	27.0	29.0	30.0	29.0
17			12.0	15.0	9.5	18.0	---	21.0	27.0	29.0	30.0	29.0
18			11.0	15.0	9.5	17.5	---	21.0	28.0	29.0	29.0	29.0
19			12.0	16.0	9.5	18.0	---	22.0	28.0	29.0	29.0	29.0
20			12.0	16.0	9.5	18.0	---	22.0	28.0	29.0	29.0	29.5
21			13.0	17.0	9.5	---	---	23.0	28.0	29.0	29.0	29.5
22			12.0	16.0	9.5	---	---	23.0	28.0	29.0	29.0	29.0
23			13.0	15.0	9.5	---	19.0	24.0	28.0	29.0	29.0	29.0
24			13.0	15.0	---	---	20.0	24.0	28.0	29.0	29.0	29.0
25			13.0	13.0	---	17.0	20.0	25.0	28.0	30.0	30.0	29.5
26			13.0	13.0	---	17.0	20.0	24.0	28.0	30.0	30.0	30.0
27			12.0	13.0	16.0	17.0	20.0	24.0	28.0	30.0	30.0	29.0
28			13.0	13.0	16.0	17.0	20.0	24.0	28.0	30.0	30.0	30.0
29			13.0	13.0	17.0	17.0	20.0	24.0	28.0	30.0	30.0	29.5
30			13.0	13.0	---	---	20.0	24.0	28.0	30.0	30.0	29.0
31			12.0	12.0	---	17.0	---	24.0	---	30.0	30.0	---

301513093130500 CALCASIEU RIVER EAST OF SALT WATER BARRIER AT LAKE CHARLES, LA (CE 73472)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			20	10	10	35	10	10	10	65	250	1900
2			10	22	35	30	15	10	5.0	30	2700	3000
3			10	1700	35	35	20	15	5.0	40	500	1700
4			10	1800	35	820	5.0	10	10	290	500	1800
5			10	1100	35	30	10	15	5.0	350	250	1200
6			15	20	35	510	15	5.0	10	100	1900	5500
7		1300		20	30	20	10	15	10	550	3300	7800
8		50		40	110	25	5.0	15	5.0	200	2200	11000
9		880		20	260	15	15	20	10	850	2500	7900
10		980		1900	25	10	5.0	10	10	950	5900	1200
11			1900	40	15	35	10	70	10	550	4800	150
12			1100	40	30	35	10	70	15	1700	5000	4200
13			400	20	15	15	15	85	15	1300	5900	80
14			760	25	20	65	15	35	160	2400	6600	2900
15			20	25	10	65	15	25	750	950	2600	3000
16			20	70	10	650	5.0	170	100	900	2100	2900
17			15	45	10	450	15	10	150	300	2300	3800
18			10	35	10	25	5.0	5.0	90	1600	7100	3500
19			10	65	5.0	65	10	10	65	800	3400	3200
20			5.0	45	5.0	35	10	5.0	110	2900	2300	3600
21			10	75	5.0	25	5.0	5.0	35	1700	2900	5400
22			10	130	20	20	5.0	10	75	700	---	4700
23			5.0	140	5.0	20	10	5.0	65	450	6800	6200
24			5.0	25	---	20	5.0	30	30	300	2700	2700
25			12	50	---	15	10	10	35	350	2100	3300
26			12	20	---	15	10	10	40	9000	3200	2800
27			12	10	180	15	5.0	10	25	7500	5700	8400
28			8.0	15	830	25	5.0	5.0	180	600	2500	6000
29			10	15	940	35	5.0	30	200	550	2800	6500
30			34	10	---	10	30	10	180	50	2100	6500
31			8.0	15	---	10	---	10	---	150	1900	---

301513093130600 CALCASIEU RIVER WEST OF SALT WATER BARRIER AT LAKE CHARLES, LA (CE 73473)

LOCATION.--Lat 30°15'13", long 93°13'06", T.9 S., R.8 W., Calcasieu Parish, Hydrologic Unit 08080206, in navigation channel on west side of structure, 1.8 mi (2.9 km) north of Lake Charles Post Office.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--Water years 1975 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1976 to October 1978, December 1979 to September 1980.

CHLORIDE: October 1974 to October 1978, December 1979 to September 1980.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum daily, 31.0°C Aug. 10, 11, 1977; minimum daily, 6.0°C Jan. 22, 1978.

CHLORIDE: Maximum daily, 17,000 mg/L Oct. 6, 1975; minimum daily, 4.2 mg/L Dec. 19, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 30.0°C on several days during July, August and September; minimum daily, 9.0°C Feb. 10, 11, 12, 13.

CHLORIDE: Maximum daily, 11,000 mg/L July 20, 21, Aug. 10; minimum daily, 5.0 mg/L Dec. 18, Feb. 21, Apr. 6, 18, 21, 22, 28, 29, May 18, 21, 23, 28, June 5.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			11.0	12.0	14.0	17.0	16.0	20.0	26.0	28.0	29.0	30.0
2			11.0	13.0	14.0	15.5	16.0	20.0	26.0	28.0	29.0	30.0
3			10.0	13.0	14.0	14.0	16.0	20.0	26.0	28.0	29.0	30.0
4			10.0	13.0	14.0	14.0	16.0	25.0	27.0	29.0	29.0	30.0
5			11.0	12.0	13.0	14.0	16.0	26.0	26.0	29.0	29.0	30.0
6			11.0	13.0	13.0	14.5	16.0	27.0	27.0	29.0	29.0	30.0
7			11.0	13.0	13.0	14.0	15.0	22.0	28.0	29.0	29.0	30.0
8			11.0	13.0	13.0	15.0	15.0	22.0	26.0	29.0	30.0	30.0
9			11.0	12.0	12.0	14.0	15.0	21.0	27.0	29.0	30.0	30.0
10			12.0	12.0	9.0	16.0	15.0	22.0	27.0	29.0	30.0	29.5
11			12.0	13.0	9.0	16.0	15.0	22.0	27.0	29.0	30.0	29.0
12			12.0	13.0	9.0	17.0	15.0	22.0	27.0	29.0	30.0	29.0
13			13.0	13.0	9.0	17.0	---	23.0	27.0	29.0	30.0	30.0
14			13.0	13.0	10.0	17.5	---	23.0	27.0	29.0	30.0	30.0
15			13.0	14.0	10.5	17.5	---	23.0	27.0	29.0	30.0	29.5
16			13.0	13.0	11.0	17.0	---	23.0	27.0	29.0	30.0	30.0
17			12.0	15.0	9.5	18.0	---	21.0	27.0	29.0	30.0	29.5
18			11.0	15.0	9.5	17.5	---	21.0	28.0	29.0	29.0	29.5
19			12.0	16.0	9.5	18.0	---	22.0	28.0	29.0	29.0	29.5
20			12.0	16.0	9.5	18.0	---	22.0	28.0	29.0	29.0	29.5
21			13.0	17.0	9.5	17.0	---	23.0	28.0	29.0	29.0	29.5
22			12.0	16.0	9.5	17.0	---	23.0	28.0	29.0	29.0	29.0
23			13.0	15.0	9.5	17.0	19.0	24.0	28.0	29.0	29.0	29.5
24			13.0	15.0	9.5	17.0	20.0	24.0	28.0	29.0	29.0	29.5
25			13.0	13.0	---	17.0	20.0	25.0	28.0	30.0	30.0	29.0
26			13.0	13.0	---	17.0	20.0	24.0	28.0	30.0	30.0	29.5
27			12.0	13.0	16.0	17.0	20.0	24.0	28.0	30.0	30.0	30.0
28			13.0	13.0	16.0	17.0	20.0	24.0	28.0	30.0	30.0	29.0
29			13.0	13.0	17.0	17.0	20.0	24.0	28.0	30.0	30.0	29.0
30			13.0	13.0	---	17.0	20.0	24.0	28.0	30.0	30.0	28.0
31			12.0	12.0	---	17.0	---	24.0	---	30.0	30.0	---

301513093130600 CALCASIEU RIVER WEST OF SALT WATER BARRIER AT LAKE CHARLES, LA (CE 73473)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			12	1800	30	35	10	15	10	260	1400	9000
2			8.0	1600	35	35	30	120	10	160	1800	8600
3			840	40	40	20	---	490	10	710	600	6600
4			740	2400	10	510	10	650	10	2600	500	8100
5			540	1100	35	25	10	850	5.0	250	100	9200
6			960	20	40	500	5.0	200	15	3800	4900	8000
7			1000	60	30	990	10	600	15	7200	5900	7100
8			720	80	920	290	10	50	15	4200	7000	7600
9			960	2400	270	350	10	1000	10	6600	8500	7100
10			960	1800	110	20	10	900	15	7000	11000	5600
11			1900	3400	15	50	10	1000	15	50	9000	280
12			1000	780	85	30	10	300	10	1700	8800	4800
13			1500	40	80	25	10	250	10	1700	5000	100
14			20	45	70	700	15	150	1900	2500	2400	3100
15			20	380	15	1200	15	50	750	2100	7600	3000
16			20	20	50	2800	15	150	200	6700	6800	3000
17			15	35	15	1500	10	15	500	7200	6900	8900
18			5.0	330	15	50	5.0	5.0	370	8400	3500	9000
19			10	1200	10	500	10	15	300	9500	5300	8800
20			10	700	10	850	10	10	100	11000	6800	8400
21			10	100	5.0	250	5.0	5.0	100	11000	2900	8000
22			10	110	10	250	5.0	10	50	9700	100	6600
23			10	410	10	200	15	5.0	70	8000	1200	5500
24			10	140	---	150	15	35	20	10000	2700	9300
25			10	30	---	400	20	10	35	8900	2300	9800
26			8.0	15	---	570	10	10	35	8700	3500	10000
27			10	20	100	20	10	10	30	7700	9200	9500
28			6.0	15	40	15	5.0	5.0	20	4500	9600	9600
29			14	15	10	35	5.0	30	270	1200	8500	9500
30			34	10	---	10	25	50	260	200	9000	1800
31			60	15	---	10	---	10	---	50	7800	---

301432093135700 CALCASIEU RIVER AT MILE 40.0, AT LAKE CHARLES, LA (CE 73510)

LOCATION.--Lat 30°14'32", long 93°13'57", T.9 S., R.8 W., Calcasieu Parish, Hydrologic Unit 08080206, 5.0 mi (8.0 km) east of Lake Charles.

DRAINAGE AREA.--Indeterminate.

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

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	SETTLABLE MATTER (ML/L/HR)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, TOTAL, IMMEDIATE (COLS. PER 100 ML)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	HARDNESS (MG/L AS CaCO3)
FEB 29...	1300	233	6.3	50	25	<1.0	7.6	26	.4	K160	K36	26
MAR 31...	1145	36	6.3	100	55	<1.0	6.9	37	1.0	1400	500	9
MAY 01...	1130	43	5.9	70	35	<1.0	6.7	27	.5	120	K170	10
21...	1105	31	5.9	50	30	<1.0	5.3	32	1.1	490	K95	8
JUN 25...	1110	85	5.8	40	30	<1.0	5.3	19	1.0	130	60	12
JUL 17...	1050	102	6.2	30	7	<1.0	6.8	22	.4	K12	K2	13
AUG 21...	1515	1520	7.1	30	7	<1.0	7.3	13	1.4	<4	<2	150
SEP 04...	1025	1690	6.9	20	7	<1.0	5.8	15	.0	K20	K8	160

DATE	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	SULFATE DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS Cl)
FEB 29...	0	3.6	4.1	32	71	2.7	2.3	31	0	25	3.4	54
MAR 31...	4	2.1	.8	3.6	43	.5	1.3	6	0	5	2.6	5.6
MAY 01...	3	2.5	.9	3.5	40	.5	1.3	9	0	7	2.4	5.0
21...	4	1.8	.8	2.6	37	.4	1.5	5	0	4	2.4	4.0
JUN 25...	1	3.0	1.1	8.9	58	1.1	1.8	14	0	11	8.3	8.2
JUL 17...	0	2.7	1.4	14	67	1.7	1.9	18	0	15	5.4	17
AUG 21...	120	12	28	250	77	9.0	12	27	0	17	64	470
SEP 04...	130	13	30	270	78	9.4	4.2	30	0	25	63	490

DATE	SOLIDS, RESIDUE AT 105 DEG. C. SUSPENDED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC DIS. (MG/L AS N)	PHOSPHORUS, TOTAL (MG/L AS P)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUSPENDED TOTAL (UG/L AS AS)	ARSENIC DIS-SOLVED (UG/L AS AS)	BERYLLIUM, TOTAL RECOVERABLE (UG/L AS BE)	BERYLLIUM, DIS-SOLVED (UG/L AS BE)	CADMIUM TOTAL RECOVERABLE (UG/L AS CD)
FEB 29...	6	.11	.01	.12	.50	.040	1	0	1	0	<1	1
MAR 31...	64	.10	.03	.13	.80	.120	1	--	3	0	<1	0
MAY 01...	24	.12	.01	.13	.73	.070	1	1	0	0	<1	0
21...	15	.11	.01	.12	1.2	.100	1	0	1	0	<1	1
JUN 25...	14	.37	.03	.40	1.5	.140	2	1	1	0	<1	0
JUL 17...	10	.00	.00	.00	1.0	.110	2	0	2	0	<1	0
AUG 21...	16	.00	.00	.00	.91	.060	1	0	1	0	<1	1
SEP 04...	34	.09	.00	.09	1.1	.060	1	0	1	0	<1	0

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

301432093135700 CALCASIEU RIVER AT MILE 40.0, AT LAKE CHARLES, LA (CE 73510)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CADMIUM SUS- PENDE RECov- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECov- ERABLE (UG/L AS CR)	CHRO- MIUM, HEXA- VALENT, DIS- (UG/L AS CR)	COPPER, TOTAL RECov- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECov- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECov- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECov- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MERCURY TOTAL RECov- ERABLE (UG/L AS HG)
FEB 29...	0	1	0	0	7	7	0	180	5	5	0	.0
MAR 31...	--	<1	0	0	4	0	4	170	8	8	0	.0
MAY 01...	--	<1	0	0	6	2	4	260	6	4	2	.1
21...	1	0	0	0	3	1	2	210	5	4	1	.0
JUN 25...	--	<1	0	0	6	3	3	160	2	2	0	.0
JUL 17...	--	<1	0	0	4	2	2	430	10	10	0	.0
AUG 21...	0	1	0	0	18	16	2	290	5	5	0	.0
SEP 04...	--	1	0	0	3	2	1	170	5	5	0	.0

DATE	MERCURY SUS- PENDE RECov- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECov- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDE RECov- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDE TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECov- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDE RECov- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
FEB 29...	--	.1	0	--	2	0	0	0	.0	20	10	6
MAR 31...	.0	.0	3	0	3	0	0	0	2.0	0	--	<3
MAY 01...	.1	.0	5	1	4	0	0	0	2.0	30	30	4
21...	.0	.0	6	2	4	0	0	0	3.0	20	10	10
JUN 25...	.0	.0	5	0	5	0	0	0	1.0	30	20	6
JUL 17...	.0	.0	4	4	0	0	0	0	1.0	10	10	<3
AUG 21...	.0	.0	4	2	2	0	0	0	--	60	60	<3
SEP 04...	.0	.0	4	3	1	0	0	0	--	20	20	<3

DATE	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOTAL RECov- GRAVI- METRIC (MG/L)	PCB, TOTAL (UG/L)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	CHLOR- DANE, TOTAL (UG/L)	DDD, TOTAL (UG/L)	DDE, TOTAL (UG/L)	DDT, TOTAL (UG/L)
FEB 29...	7.5	.00	3	0	.0	.00	.000	.0	.000	.000	.000
MAR 31...	11	.00	9	0	.0	.00	.000	.0	.000	.000	.000
MAY 01...	13	.01	2	0	.0	.00	.000	.0	.000	.000	.000
21...	9.7	.00	4	0	.0	.00	.002	.0	.000	.000	.000
JUN 25...	6.9	.00	10	0	.0	.00	.000	.0	.000	.000	.000
JUL 17...	7.4	.00	2	0	.0	.00	.005	.0	.000	.000	.000
AUG 21...	7.5	.01	19	0	.0	.00	.000	.0	.000	.000	.000
SEP 04...	5.1	.00	1	0	.0	.00	.000	.0	.000	.000	.000

< Actual value is known to be less than the value shown.

CALCASIEU RIVER BASIN

301432093135700 CALCASIEU RIVER AT MILE 40.0, AT LAKE CHARLES, LA (CE 73510)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	DI- AZINON, TOTAL (UG/L)	DI- ELDRIN TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ETHION, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	LINDANE TOTAL (UG/L)	MALA- THION, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)
FEB 29...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAR 31...	.00	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00
MAY 01...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
21...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUN 25...	.00	.002	.000	.000	.00	.000	.000	.000	.00	.00	.00
JUL 17...	.01	.003	.000	.000	.00	.000	.000	.000	.00	.00	.00
AUG 21...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00
SEP 04...	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00

DATE	METHYL TRI- THION, TOTAL (UG/L)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOTAL TRI- THION (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
FEB 29...	.00	.00	.00	.00	.0	.00	.00	.00	.00	1.59	.000
MAR 31...	.00	.00	.00	.00	.0	.00	.01	.00	.00	.000	.000
MAY 01...	.00	.00	.00	.00	.0	.00	.00	.00	.00	2.69	.000
21...	.00	.00	.00	.00	.0	.00	.14	.02	.00	.960	.000
JUN 25...	.00	.00	.00	.00	.0	.00	.30	.02	.00	4.46	.000
JUL 17...	.00	.00	.00	.00	.0	.00	.00	.00	.00	14.4	2.31
AUG 21...	.00	.00	.00	.00	.0	.00	.18	.00	.00	13.0	1.51
SEP 04...	.00	.00	.00	.00	.0	.00	.01	.00	.00	6.54	.064

301305093151200 CALCASIEU RIVER AND PASS NEAR LAKE CHARLES, LA (CE 73550)

LOCATION.--Lat 30°13'05", long 93°15'12", T.10 S., R.9 W., Calcasieu Parish, Hydrologic Unit 08080206, on east end of Lake Charles harbor, 2.3 mi (3.7 km) southeast of Lake Charles Post Office.

DRAINAGE AREA.--Indeterminate.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1976 to November 1978, December 1979 to September 1980.

CHLORIDE- 5 FT DEPTH: October 1974 to November 1978, December 1979 to September 1980.

CHLORIDE-15 FT DEPTH: October 1975 to November 1978, December 1979 to September 1980.

CHLORIDE-25 FT DEPTH: October 1975 to November 1978, December 1979 to September 1980.

COOPERATION.--Samples collected by the Corps of Engineers and analyzed by the Geological Survey. Samples are collected at depth of 5 ft (1.5 m), 15 ft (4.6 m), and 25 ft (7.6 m).

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum daily, 32.0°C July 13, 14, 15, 1978; minimum daily, 6.0°C Jan. 19, 20, 21, Feb. 7, 8, 21, 1978.

CHLORIDE- 5 FT DEPTH: Maximum daily, 12,000 mg/L July 25, 1980; minimum daily, 8.0 mg/L May 11, 14, 19, 1975.

CHLORIDE-15 FT DEPTH: Maximum daily, 17,000 mg/L Aug. 25, 1980; minimum daily, 10 mg/L Apr. 19-23, May 22, 23, 24, 27, 28, 30, 1980.

CHLORIDE-25 FT DEPTH: Maximum daily, 17,000 mg/L Aug. 25, 1980; minimum daily, 10 mg/L Apr. 6, 19-22, May 23-25, 29, 30, 1980.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 30.0°C on several days during June, July, August and September; minimum daily, 8.0°C Feb. 11, 12, 17.

CHLORIDE- 5 FT DEPTH: Maximum daily, 12,000 mg/L July 25; minimum daily, 10 mg/L Apr. 5, 6, 20-24, May 20, 22-25, 27, 29, 30, 31.

CHLORIDE-15 FT DEPTH: Maximum daily, 17,000 mg/L Aug. 25; minimum daily, 10 mg/L Apr. 19-23, May 22, 23, 24, 27, 28, 30.

CHLORIDE-25 FT DEPTH: Maximum daily, 17,000 mg/L Aug. 25; minimum daily, 10 mg/L Apr. 6, 19-22, May 23-25, 29, 30.

TEMPERATURE, WATER (DEG. C) + WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FER	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	11.0	9.0	12.0	17.0	20.0	27.0	29.0	29.0	30.0
2			---	12.0	9.0	10.0	17.0	19.0	27.0	30.0	29.0	30.0
3			---	13.0	9.0	11.0	18.0	20.0	27.0	30.0	29.0	30.0
4			---	10.0	9.0	13.0	18.0	20.0	27.0	30.0	29.0	30.0
5			---	10.0	10.0	14.0	18.0	22.0	28.0	30.0	30.0	29.0
6			---	10.0	10.0	12.0	18.0	22.0	28.0	30.0	30.0	29.0
7			---	---	10.0	15.0	18.0	22.0	28.0	30.0	30.0	29.0
8			---	11.0	10.0	---	18.0	22.0	28.0	30.0	30.0	29.0
9			---	12.0	11.0	17.0	18.0	22.0	29.0	30.0	30.0	28.0
10			---	12.0	10.0	17.0	19.0	21.0	27.0	30.0	30.0	28.0
11			---	12.0	8.0	17.0	19.0	22.0	28.0	30.0	30.0	28.0
12			---	11.0	8.0	17.0	19.0	22.0	28.0	30.0	30.0	28.0
13			---	11.0	9.0	17.0	19.0	22.0	28.0	30.0	30.0	30.0
14			---	13.0	9.0	17.0	19.0	25.0	28.0	30.0	30.0	30.0
15			---	14.0	12.0	---	19.0	24.0	29.0	30.0	30.0	30.0
16			---	15.0	9.0	---	19.0	24.0	29.0	30.0	30.0	30.0
17			---	15.0	8.0	17.0	---	22.0	30.0	30.0	30.0	30.0
18			---	15.0	9.0	16.0	---	22.0	30.0	30.0	30.0	30.0
19			10.0	15.0	11.0	17.0	---	22.0	30.0	30.0	30.0	30.0
20			11.0	16.0	12.0	18.0	---	22.0	30.0	30.0	30.0	30.0
21			12.0	16.0	13.0	16.0	19.0	23.0	30.0	30.0	30.0	29.0
22			12.0	16.0	14.0	18.0	19.0	23.0	30.0	30.0	30.0	29.0
23			13.0	13.0	14.0	18.0	19.0	24.0	29.0	30.0	30.0	30.0
24			13.0	13.0	15.0	17.0	20.0	24.0	30.0	30.0	30.0	30.0
25			12.0	14.0	14.0	17.0	18.0	25.0	30.0	29.0	30.0	30.0
26			12.0	13.0	12.0	17.0	18.0	25.0	30.0	29.0	30.0	30.0
27			12.0	13.0	14.0	16.0	18.0	25.0	29.0	29.0	30.0	30.0
28			12.0	12.0	15.0	18.0	18.0	24.0	30.0	29.0	30.0	29.0
29			12.0	12.0	---	---	20.0	25.0	30.0	29.0	30.0	29.0
30			13.0	12.0	---	---	20.0	25.0	30.0	29.0	30.0	29.0
31			---	10.0	---	---	---	25.0	---	29.0	30.0	---

301305093151200 CALCASIEU RIVER AND PASS NEAR LAKE CHARLES, LA (CE 73550)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
SAMPLING DEPTH 5.00(FT.), ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	1100	50	350	15	400	---	500	2100	4900
2			---	1500	50	750	---	300	15	550	2400	6800
3			---	1500	180	550	15	400	---	550	2300	5000
4			---	2100	200	600	15	500	15	1600	2800	5000
5			---	2000	300	400	10	750	25	2000	3500	5700
6			---	1800	600	300	10	500	30	2900	2900	8300
7			---	2600	700	600	15	600	85	3000	3300	7000
8			---	1600	---	550	15	550	---	3500	4300	5800
9			---	2200	1300	400	15	400	55	3800	---	6100
10			---	2400	400	650	15	600	50	4400	7900	6000
11			---	1700	200	700	---	650	65	4300	7300	6000
12			---	1300	---	1200	---	1000	170	5000	6800	5900
13			---	1900	200	1000	20	1000	200	3900	5500	---
14			---	1100	200	900	25	900	500	5000	5100	6600
15			---	1100	140	1500	30	600	950	5000	5800	5800
16			---	1000	180	---	---	1000	650	4900	5600	6700
17			---	900	---	750	15	100	750	5000	5700	6900
18			---	1000	35	500	15	40	650	6200	6100	6400
19			50	800	70	750	---	30	550	6200	5500	6200
20			50	900	45	800	10	10	600	6400	6400	7200
21			40	1100	55	650	10	15	75	6500	6300	7400
22			55	900	60	600	10	10	40	7200	7300	6800
23			290	700	45	450	10	10	35	5800	6700	8300
24			200	300	70	---	10	10	40	7300	5900	7400
25			400	200	150	500	15	10	---	12000	6300	7500
26			180	100	200	700	---	15	550	7000	7000	6800
27			200	100	200	800	140	10	550	6100	6000	7000
28			---	100	400	50	140	---	500	2400	7000	7000
29			600	50	---	50	150	10	550	2000	7000	7300
30			800	60	---	---	500	10	650	1500	7300	5200
31			---	90	---	15	---	10	---	5800	5300	---

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
SAMPLING DEPTH 15.00(FT.), ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	2800	---	1100	15	600	15	950	3400	7700
2			---	3200	90	1300	15	300	15	1900	4500	8200
3			---	4500	200	1000	15	900	15	5000	4100	8500
4			---	4000	390	1600	15	1000	15	5100	4700	8700
5			---	3400	500	500	15	1500	25	5300	5300	9100
6			---	3700	600	350	---	550	30	9000	5300	9000
7			---	3700	1600	---	---	950	85	6500	6400	8300
8			---	3900	4500	700	15	1400	50	7200	7000	8700
9			---	3000	4400	850	---	500	55	8000	7500	8500
10			---	7100	400	2100	---	1000	50	8600	8900	8100
11			---	1700	---	1700	---	1300	75	7900	9900	8000
12			---	2200	300	3200	15	2700	350	7800	8000	8300
13			---	3800	200	1300	20	2000	600	8500	7100	8700
14			---	2300	200	900	35	1600	1100	7900	7400	7900
15			---	3400	160	3500	30	2400	1200	7600	7900	7600
16			---	2500	200	---	---	3300	1100	6900	7600	8700
17			---	2600	30	1100	---	100	1400	8000	7800	9100
18			---	2600	35	700	15	60	650	8900	9400	9400
19			75	2300	110	1600	10	35	950	9400	9200	9400
20			50	2400	60	1600	10	---	1000	10000	8600	9500
21			---	2900	65	750	10	15	100	10000	9300	9600
22			50	1900	55	650	10	10	50	---	9300	9200
23			---	800	50	500	10	10	65	12000	8900	9300
24			570	400	75	---	15	10	---	12000	9000	8800
25			750	200	150	---	15	---	550	---	17000	9300
26			1300	---	---	750	---	---	---	9200	8600	9300
27			300	100	---	800	500	10	550	7800	9300	9000
28			300	100	---	---	200	10	500	3400	9000	9000
29			1300	50	---	50	650	---	1000	3600	9000	8700
30			1100	120	---	---	500	10	1400	3500	9300	8000
31			---	90	---	20	---	15	---	---	8500	---

301305093151200 CALCASIEU RIVER AND PASS NEAR LAKE CHARLES, LA (CE 73550)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
 SAMPLING DEPTH 25.00 (FT.), ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	5600	70	2900	20	3400	15	4800	6300	9600
2			---	6400	130	3300	15	2400	20	5600	7200	9700
3			---	8600	170	2500	15	900	15	7000	6200	9000
4			---	7000	---	2700	15	4100	15	7500	7500	9200
5			---	6800	---	2800	15	5300	---	8000	7000	9500
6			---	9000	2900	2500	10	4100	30	10000	6800	9600
7			---	7100	4400	3500	15	3600	---	9600	7000	9300
8			---	6800	5400	1500	15	4700	---	---	8300	9300
9			---	6600	5100	1900	15	2400	---	14000	7700	9400
10			---	10000	600	7100	15	4000	50	10000	10000	9200
11			---	5300	300	7000	---	3700	140	11000	11000	8900
12			---	5800	---	6700	15	5300	1700	13000	9600	9500
13			---	5100	300	5200	25	4900	1600	10000	8800	---
14			---	6100	300	4500	50	3700	2700	10000	8200	9200
15			---	7400	440	5400	30	4600	3100	9900	9100	8300
16			---	7300	---	---	---	5400	2400	9400	8900	9900
17			---	6900	40	5500	15	100	2800	10000	8500	10000
18			---	7200	35	1700	20	65	1700	8900	9300	10000
19			85	4200	140	4500	10	---	1800	11000	9500	10000
20			---	4900	85	7200	10	15	1300	12000	9700	10000
21			50	6300	120	1000	10	---	250	11000	10000	10000
22			240	5900	130	800	10	15	210	12000	9400	10000
23			200	800	110	650	---	10	200	13000	9700	11000
24			---	600	1000	---	---	10	110	14000	9300	10000
25			---	200	1100	---	40	10	550	13000	17000	10000
26			1300	100	---	1300	---	15	800	12000	9200	10000
27			3100	100	---	1100	2300	---	850	9700	9800	10000
28			4200	100	---	---	1600	15	600	4000	10000	9800
29			7500	180	---	50	2500	10	3400	6600	10000	9400
30			5600	180	---	25	2000	10	3800	6400	9900	9000
31			---	---	---	20	---	15	---	7500	9600	---

CALCASIEU RIVER BASIN

300514093172800 INTRACOASTAL WATERWAY AT CALCASIEU LOCK, NEAR GRAND LAKE, LA (CE 76880)

LOCATION.--Lat 30°05'14", long 93°17'28", T.11 S., R.9 W., Calcasieu Parish, Hydrologic Unit 08090206, 4.1 mi (6.6 km) north of Grand Lake.

DRAINAGE AREA.--Indeterminate.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1976 to October 1978, December 1979 to September 1980.

CHLORIDE: October 1974 to October 1978, December 1979 to September 1980.

COOPERATION.--Samples collected by Corps of Engineers and analyzed by Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: Maximum daily, 33.0°C July 3, 1977; minimum daily, 4.5°C Jan. 20, 21, 1978.

CHLORIDE: Maximum daily, 11,000 mg/L Oct. 22, 1976, Aug. 9, 15, Sep. 26, 27, 28, 1980; minimum daily, 20 mg/L Aug. 10, 1975, May 31, June 3, 4, 1980.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 30.0°C on several days during July and August; minimum daily, 7.0°C Feb. 3.

CHLORIDE: Maximum daily, 11,000 mg/L Aug. 9, 15, Sep. 26, 27, 28; minimum daily, 20 mg/L May 31, June 3, 4.

TEMPERATURE, WATER (DEG. C), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	11.0	11.0	16.5	17.0	21.0	28.0	30.0	30.0	27.0
2			---	11.0	10.5	12.5	19.0	22.0	28.0	30.0	30.0	27.0
3			---	13.0	7.0	11.5	19.0	23.0	28.0	30.0	30.0	28.0
4			---	12.0	9.5	12.5	---	24.0	28.0	30.0	30.0	28.0
5			21.0	12.0	10.0	12.5	18.0	24.0	29.0	---	30.0	28.0
6			22.0	13.0	10.0	13.5	19.0	24.0	29.0	30.0	30.0	28.0
7			12.0	13.0	10.5	15.0	19.0	25.0	29.0	30.0	30.0	27.0
8			12.0	13.0	11.5	18.0	21.0	23.0	29.0	30.0	30.0	27.0
9			11.0	12.0	10.0	18.0	19.0	23.0	29.0	---	30.0	27.0
10			11.0	12.0	9.0	17.0	19.0	23.0	27.0	30.0	30.0	29.0
11			14.0	15.0	8.5	16.0	21.0	23.0	27.0	30.0	29.0	29.0
12			15.0	15.0	9.5	16.0	22.0	25.0	27.0	30.0	29.0	29.0
13			15.0	13.0	9.0	19.0	20.0	25.0	28.0	29.0	29.0	29.0
14			14.0	13.0	10.0	18.0	16.0	25.0	28.0	29.0	29.0	29.0
15			12.0	14.0	10.5	17.0	17.0	24.0	28.0	29.0	29.0	29.0
16			13.0	15.0	12.0	18.0	17.0	23.0	28.0	29.0	29.0	29.0
17			11.0	14.5	10.0	19.0	19.0	23.0	28.0	29.0	29.0	29.0
18			11.0	15.0	10.5	17.0	19.0	24.0	28.0	29.0	30.0	29.0
19			11.0	16.5	11.0	17.0	19.0	25.0	28.0	29.0	30.0	29.0
20			12.0	16.5	13.0	18.0	19.0	25.0	28.0	29.0	30.0	29.0
21			11.0	16.5	14.0	17.0	20.0	25.0	28.0	29.0	30.0	29.0
22			13.0	17.5	14.5	17.0	21.0	25.0	28.0	29.0	30.0	29.0
23			15.0	14.0	15.0	18.0	20.0	25.0	28.0	29.0	30.0	29.0
24			14.0	12.5	15.5	18.0	20.0	25.0	28.0	29.0	30.0	29.0
25			14.0	12.5	15.0	18.0	23.0	28.0	28.0	29.0	30.0	29.0
26			14.0	14.0	14.0	18.0	22.0	28.0	28.0	29.0	30.0	29.0
27			13.0	13.0	14.0	18.0	21.0	28.0	28.0	29.0	30.0	29.0
28			13.0	14.5	15.0	---	21.0	28.0	28.0	29.0	30.0	29.0
29			13.0	13.0	16.5	18.0	21.0	28.0	28.0	29.0	30.0	29.0
30			13.0	12.5	---	18.0	22.0	28.0	28.0	29.0	30.0	29.0
31			12.0	12.0	---	18.0	---	28.0	---	29.0	30.0	---

300514093172800 INTRACOASTAL WATERWAY AT CALCASIEU LOCK, NEAR GRAND LAKE, LA (CE 76880)--Continued

CHLORIDE, DISSOLVED (MG/L), WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1			---	1700	70	1800	1300	40	25	1100	3000	10000
2			---	500	75	1800	2600	40	25	1000	2900	9200
3			---	2800	120	1400	600	45	20	2300	2900	9400
4			---	2600	1000	1800	50	55	20	3400	5400	9700
5			---	2600	100	2300	100	45	25	---	3700	9500
6			1000	3600	95	1700	50	200	30	4600	4900	10000
7			5100	1700	120	1200	50	350	25	7500	4300	8100
8			1100	2200	2300	2400	50	650	30	5800	6300	8500
9			1500	2000	3100	1700	45	900	25	---	11000	8400
10			1000	1100	800	600	40	2600	60	7400	4800	8400
11			2800	3900	1400	2000	40	2400	35	6900	8200	7900
12			5400	1400	1100	2100	40	2400	75	8000	9100	7900
13			5000	1400	950	2800	40	2700	95	7500	8100	7600
14			2900	1500	1600	1500	40	1300	50	7800	8500	8800
15			300	4600	2500	4900	40	2800	200	7800	11000	8700
16			400	---	1900	4600	35	2600	1200	7900	9700	8500
17			1100	500	800	3900	30	250	150	7200	9900	9500
18			500	3600	500	2500	35	50	100	8100	10000	9200
19			1300	200	2300	1900	35	35	55	8200	10000	8400
20			1500	100	1500	1500	30	40	70	8300	9200	9200
21			1000	160	1400	3700	35	55	60	10000	9000	9600
22			600	60	1100	1700	35	70	65	8400	8500	10000
23			1700	90	1000	2400	30	25	65	8500	8700	10000
24			1800	60	1000	3500	35	25	80	7900	9500	10000
25			300	70	1300	50	35	30	65	7700	9000	10000
26			300	100	1100	100	35	40	400	8700	9200	11000
27			400	110	1100	100	35	30	150	10000	9800	11000
28			200	100	1900	50	---	30	150	7600	8800	11000
29			800	80	2300	50	35	25	700	5300	9600	9700
30			800	160	---	50	45	50	1000	3100	10000	10000
31			300	170	---	1100	---	20	---	2300	9500	---

08030500 SABINE RIVER NEAR RULIFF, TX
(Radiochemical and national stream-quality accounting network)

LOCATION.--Lat 30°18'13", long 93°44'37", Calcasieu Parish, Louisiana-Newton County, Texas State line, Hydrologic Unit 12010005, at downstream side of bridge on 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).

DRAINAGE AREA.--9,329 mi² (24,162 km²).

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1924 to current year.

REVISED RECORDS.--WSP 1282: 1941(M), 1942. WSP 1442: 1925-29, 1937-39, 1943. WSP 1732: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 4.08 ft (1.244 m) National Geodetic Vertical Datum of 1929. Prior to Mar. 1, 1941, nonrecording gage at Kansas City Southern Railway Co. bridge, 4.2 mi (6.8 km) downstream and at datum 2.02 ft (0.616 m) lower. Mar. 1, 1941, to Dec. 8, 1948, nonrecording gage at present site and datum.

REMARKS.--Water-discharge records fair. Flow is partly regulated by Toledo Bend Reservoir (station 08025350) 116.3 mi (187.1 km) upstream.

AVERAGE DISCHARGE.--42 years (water years 1925-66) 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); 14 years (water years 1967-80) regulated, 7,743 ft³/s (219.3 m³/s), 5,610,000 acre-ft/yr (6.92 km³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 121,000 ft³/s (3,430 m³/s) May 22, 1953, gage height, 19.98 ft (6.090 m); minimum, 270 ft³/s (7.65 m³/s) Sept. 27-30, Oct. 1-3, 17-20, 1956.

EXTREMES OUTSIDE PERIOD OF RECORD.--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.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 40,700 ft³/s (1,150 m³/s) May 19, gage height, 15.43 ft (4.703 m); minimum daily, 818 ft³/s (23.2 m³/s) Oct. 21.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	11200	2120	8110	10000	10300	15400	29000	23500	12800	3610	4060	3390
2	10200	3520	8240	9980	10400	14200	27600	21100	9870	2790	4180	2360
3	8520	4110	8260	10000	10900	13400	24200	16600	6760	3400	4190	1560
4	5510	3580	8230	10100	11400	13800	20400	12400	4520	3770	3660	1520
5	2910	2700	8190	10400	11800	15200	17800	9150	4440	3890	2180	2500
6	1780	2040	8160	10700	11800	16400	16000	6460	4790	3510	2090	2920
7	1450	1650	8020	10900	11200	17100	14900	4670	5120	2140	3810	2750
8	1300	1460	7870	10900	10600	16900	14400	4630	5020	1400	4560	1780
9	1200	1370	7550	11000	12100	16000	13900	5410	4390	1700	4000	1170
10	1120	1330	7510	11000	14700	15100	13100	7050	3080	3060	3440	1290
11	1050	1420	7730	10200	17300	14300	11800	8840	2700	3670	3030	2260
12	1000	1680	7710	8740	19600	14000	11300	10400	3560	3920	2090	1620
13	965	1660	6710	7660	21700	13300	11900	11000	3990	3940	1570	1080
14	936	1460	6630	7160	22000	11400	13700	9540	4130	3490	1420	928
15	899	1320	8260	6830	20700	8910	17000	7550	4150	2090	1370	1150
16	878	1220	10100	5760	19700	6670	22800	10700	3710	1810	1400	1050
17	858	1160	11600	3940	20400	5050	29200	21600	2430	3200	2300	910
18	846	1120	12500	2920	21200	4840	33100	30000	2210	3800	3150	1460
19	828	1090	12500	2480	21100	6330	33800	39100	2990	3970	2300	1320
20	821	1060	12200	2420	20200	7340	31900	40000	2250	4020	1830	1420
21	818	1040	11900	2850	19300	7980	30100	38100	3190	3590	2780	1260
22	839	1160	10000	3690	18500	8670	27900	37200	4320	2210	3280	1470
23	955	2200	7070	7840	17900	9470	25000	37100	4380	2010	3450	1220
24	1220	4510	6490	13700	17500	10300	21900	37500	3400	3380	3530	1140
25	1720	6380	7100	17600	17300	10800	20300	37700	3450	3990	3340	3480
26	1670	7520	8440	19400	17000	10900	19700	36600	3910	4220	2340	5180
27	1500	8030	9760	19400	16800	12300	20000	33200	4150	4250	1920	5950
28	1710	7870	10100	17400	16800	15100	21200	29000	4140	3770	2800	6380
29	1370	7650	9970	14100	16300	17400	23400	26200	4080	2340	3250	7190
30	1100	7860	9980	11400	---	20700	24100	21400	4060	2240	3250	8070
31	1380	---	10000	10400	---	26600	---	16500	---	3570	3130	---
TOTAL	68553	91290	276890	300870	476500	395860	641400	650190	131990	98750	89700	75778
MEAN	2211	3043	8932	9705	16430	12770	21380	20970	4400	3185	2894	2526
MAX	11200	8030	12500	19400	22000	26600	33800	40000	12800	4250	4560	8070
MIN	818	1040	6490	2420	10300	4840	11300	4630	2210	1400	1370	910
AC-FT	136000	181100	549200	596800	945100	785200	1272000	1290000	261800	195900	177900	150300
CAL YR 1979 TOTAL	4649843	MEAN	12740	MAX	41100	MIN	818	AC-FT	9223000			
WTR YR 1980 TOTAL	3297771	MEAN	9010	MAX	40000	MIN	818	AC-FT	6541000			

08030500 SABINE RIVER NEAR RULIFF, TX--Continued

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1946, 1948 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1945 to September 1946, October 1947 to current year.

WATER TEMPERATURES: October 1947 to current year.

REMARKS.--Data furnished by Texas District. Daily values for the 1980 water year are available from the Texas Report.

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLAT-INUM COBALT UNITS)	TURBIDITY (NTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN, DIS-SOLVED (PER-CENT SATURATION)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)
OCT 23...	1515	150	7.5	23.5	60	12	8.0	92	1.2	130	31	28
NOV 14...	1710	134	7.3	14.5	80	12	11.1	106	.7	K18	K6	20
JAN 16...	1120	129	6.8	13.0	70	19	12.0	113	1.0	38	24	26
FEB 26...	1530	139	7.1	13.0	40	16	11.6	107	1.8	50	36	29
MAR 25...	1230	106	6.9	15.5	100	28	9.6	94	1.8	88	66	20
APR 30...	1030	134	6.5	18.0	40	23	8.2	87	1.4	110	40	27
MAY 29...	1215	144	6.5	24.5	50	31	8.6	101	.5	84	120	29
JUN 25...	1250	142	6.9	29.0	50	21	6.9	88	1.1	42	24	26
JUL 30...	1235	158	6.8	29.5	30	17	6.8	88	.2	60	44	30
AUG 27...	1435	160	6.9	29.0	40	11	6.9	88	1.0	32	36	25
SEP 16...	1205	97	7.1	30.0	45	6.8	7.0	92	.6	60	40	30

DATE	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	SODIUM+ POTASSIUM DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE DIS-SOLVED (MG/L AS CO2)
OCT 23...	0	7.5	2.3	18	56	1.5	20	2.0	39	0	32	2.0
NOV 14...	0	5.7	1.5	18	63	1.7	21	2.2	25	0	21	2.0
JAN 16...	10	6.5	2.3	13	50	1.1	15	2.3	19	0	16	4.8
FEB 26...	1	7.6	2.5	16	52	1.3	18	2.4	34	0	28	4.3
MAR 25...	4	5.2	1.7	11	52	1.1	--	1.9	19	0	16	3.8
APR 30...	11	6.8	2.4	14	51	1.2	--	2.3	22	0	18	9.9
MAY 29...	12	7.3	2.6	16	52	1.3	--	2.8	21	0	17	8.0
JUN 25...	17	6.6	2.3	15	53	1.3	--	2.4	20	0	16	2.2
JUL 30...	10	7.1	3.0	17	52	1.3	--	2.9	25	0	21	6.5
AUG 27...	6	6.4	2.3	18	58	1.6	--	2.6	24	0	25	6.1
SEP 16...	5	7.8	2.5	23	60	1.8	--	2.7	35	0	25	3.9

K Results based on colony count outside the acceptable range (non-ideal count).

08030500 SABINE RIVER NEAR RULIFF, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	SULFATE DIS- SOLVED (MG/L AS SO ₄)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	SILICA, DIS- SOLVED (MG/L AS SiO ₂)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	SOLIDS, DIS- SOLVED (TONS PER AC-FT)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	SOLIDS, NON- VOLA- TILE, SUS- PENDED (MG/L)	SOLIDS, VOLA- TILE, SUS- PENDED (MG/L)	NITRO- GEN, NO ₂ +NO ₃ TOTAL (MG/L AS N)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (MG/L AS N)
OCT 23...	15	14	.1	18	109	97	.15	15	4	11	.24	.30
NOV 14...	17	15	.1	15	102	87	.14	20	4	16	.06	.06
JAN 16...	14	18	.1	8.8	96	75	.13	26	14	12	--	.12
FEB 26...	16	18	.1	8.3	78	86	.11	20	9	11	.10	.07
MAR 25...	13	11	.1	7.9	80	62	.11	39	28	11	.08	.08
APR 30...	20	14	.2	6.6	95	78	.13	25	12	13	.06	.09
MAY 29...	17	21	.1	7.4	96	84	.13	50	42	8	.10	.07
JUN 25...	23	21	.0	11	104	88	.14	19	19	0	--	.12
JUL 30...	18	24	.2	10	102	94	.14	29	0	30	.00	.02
AUG 27...	22	20	.1	9.6	107	93	.15	19	19	0	.00	.00
SEP 16...	26	23	.1	13	132	114	.18	8	8	0	.07	.07

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH ₄)	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS NH ₄)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, ORGANIC DIS- SOLVED (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,NH ₄ + ORG. SUSP. TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC DIS. (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, DIS- SOLVED (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO ₃)
OCT 23...	.18	.16	.22	.21	1.1	.38	1.3	.76	.54	1.5	.84	6.8
NOV 14...	.05	.04	.06	.05	1.3	.85	1.3	.41	.89	1.4	.95	6.0
JAN 16...	.10	.00	.12	.00	.53	.55	.63	.08	.55	.67	.67	3.0
FEB 26...	.00	.01	.00	.01	.69	.33	.69	.35	.34	.79	.41	3.5
MAR 25...	.12	.10	.15	.13	.87	.48	.99	.41	.58	1.1	.66	4.7
APR 30...	.10	.06	.12	.08	.53	.64	.63	--	.70	.69	.79	3.1
MAY 29...	.10	.04	.12	.05	.70	.39	.80	.37	.43	.90	.50	4.0
JUN 25...	.06	.05	.07	.06	.77	.43	.83	.35	.48	.83	.60	3.7
JUL 30...	.05	.03	.06	.04	.92	.43	.97	.51	.46	.97	.48	4.3
AUG 27...	.35	.00	.42	.00	.75	.42	1.1	.68	.42	1.1	.42	4.9
SEP 16...	.02	--	.02	--	.38	--	.40	--	--	.47	--	2.1

08030500 SABINE RIVER NEAR RULIFF, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, TOTAL (MG/L AS P04)	PHOS- PHORUS, DIS- SOLVED (MG/L AS P)	SILVER, TOTAL RECOV- ERABLE (UG/L AS AG)	SILVER, SUS- PENDE RECOV- ERABLE (UG/L AS AG)	SILVER, DIS- SOLVED (UG/L AS AG)	CARBON, ORGANIC TOTAL (MG/L AS C)	CARBON, ORGANIC DIS- SOLVED (MG/L AS C)	CARBON, ORGANIC SUS- PENDE (MG/L AS C)	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDE TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)
OCT 23...	.050	.15	.030	--	--	--	5.5	--	--	--	--	--
NOV 14...	.040	.12	.010	1	--	--	10	--	--	--	--	--
JAN 16...	.040	.12	.030	0	0	0	--	9.4	1.3	1	1	0
FEB 26...	.040	.12	.020	0	--	--	7.9	--	--	--	--	--
MAR 25...	.060	.18	.010	0	0	0	--	7.9	1.2	1	1	0
APR 30...	.040	.12	.010	--	--	--	8.9	--	--	--	--	--
MAY 29...	.300	.92	.010	0	--	--	8.2	--	--	--	--	--
JUN 25...	.040	.12	.000	0	0	0	--	20	.8	2	1	1
JUL 30...	.050	.15	.020	--	--	--	7.0	--	--	--	--	--
AUG 27...	.050	.15	.030	0	--	--	5.5	--	--	--	--	--
SEP 16...	.040	.12	.020	0	0	0	--	5.5	1.0	2	1	1

DATE	BARIIUM, TOTAL RECOV- ERABLE (UG/L AS BA)	BARIIUM, SUS- PENDE RECOV- ERABLE (UG/L AS BA)	BARIIUM, DIS- SOLVED (UG/L AS BA)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM SUS- PENDE RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CH)	CHRO- MIUM, SUS- PENDE RECOV- ERABLE (UG/L AS CH)	CHRO- MIUM, DIS- SOLVED (UG/L AS CH)	COBALT, TOTAL RECOV- ERABLE (UG/L AS CO)	COBALT, DIS- SOLVED (UG/L AS CO)
JAN 16...	0	--	50	1	--	29	0	0	0	0	<3
MAR 25...	100	60	40	3	--	5	20	20	0	2	<3
JUN 25...	0	--	50	1	0	1	0	--	10	0	<3
SEP 16...	100	40	60	2	0	2	10	10	0	1	<3

DATE	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDE RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	IRON, TOTAL RECOV- ERABLE (UG/L AS FE)	IRON, SUS- PENDE RECOV- ERABLE (UG/L AS FE)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDE RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)	MANGA- NESE, TOTAL RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, SUS- PENDE RECOV- ERABLE (UG/L AS MN)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
JAN 16...	5	3	2	840	740	100	76	41	35	100	60	40
MAR 25...	8	6	2	1200	1000	190	26	--	36	70	30	40
JUN 25...	10	5	5	870	700	170	40	33	7	120	90	30
SEP 16...	5	2	3	960	500	460	8	6	2	100	40	60

< Actual value is known to be less than the value shown.

08030500 SABINE RIVER NEAR RULIFF, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MERCURY TOTAL RECOVERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOVERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	NICKEL, TOTAL RECOVERABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOVERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, TOTAL (UG/L AS SE)	SELE- NIUM, SUS- PENDED (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	ZINC, TOTAL RECOVERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOVERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)
JAN 16...	.0	.0	.0	9	4	5	0	0	0	170	170	<3
MAR 25...	.1	.1	.0	6	5	1	0	0	0	30	30	5
JUN 25...	.1	.0	.1	0	--	6	0	0	0	30	30	4
SEP 16...	.3	.3	.0	4	0	4	0	0	0	20	10	10

DATE	GROSS ALPHA, DIS- SOLVED (UG/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (UG/L AS U-NAT)	GROSS ALPHA, DIS- SOLVED (PCI/L AS U-NAT)	GROSS ALPHA, SUSP. TOTAL (PCI/L AS U-NAT)	GROSS BETA, DIS- SOLVED (PCI/L AS CS-137)	GROSS BETA, SUSP. TOTAL (PCI/L AS CS-137)	GROSS BETA, DIS- SOLVED (PCI/L AS YT-90)	GROSS BETA, SUSP. TOTAL (PCI/L AS YT-90)	RADIUM 226, DIS- SOLVED, RADON METHOD (PCI/L)	URANIUM DIS- SOLVED, EXTRACTION (UG/L)
OCT 23...	<1.5	<.7	<1.0	<.5	2.5	<.5	2.4	<.6	.03	.21
AUG 27...	<1.5	.5	<1.0	.3	3.9	<.4	3.8	<.4	.06	.14

DATE	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 14...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 26...	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--

DATE	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
NOV 14...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 26...	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 14...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 26...	ND	--	ND	--	ND	--	ND	--	ND	--	ND	--

< Actual value is known to be less than the value shown.

K Results based on colony outside the acceptable range (non-ideal count).

08030500 SABINE RIVER NEAR RULIFF, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)
NOV 14...	ND	ND	ND	ND	ND	ND	ND	50
FEB 26...	ND	--	ND	--	--	--	--	--
MAR 25...	--	--	--	--	--	--	--	260
MAY 29...	--	--	--	--	--	--	--	2400
JUN 25...	--	--	--	--	--	--	--	1300

ND Material specifically analyzed for but not detected.

SABINE RIVER BASIN

08030500 SABINE RIVER NEAR RULIFF, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO JUNE 1980

DATE TIME	NOV 14,79 1710	MAR 25,80 1230	MAY 29,80 1215	JUN 25,80 1250
TOTAL CFFLS/ML	50	260	2400	1300
DIVERSITY: DIVISION	1.2	1.6	1.3	1.3
..CLASS	1.2	1.6	1.3	1.3
..ORDER	1.2	1.8	2.4	1.9
...FAMILY	1.8	2.3	2.7	2.2
....GENUS	1.8	2.3	3.0	2.5

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)								
..CHLOROPHYCEAE								
...CHLOROCOCCALES								
....COELASTRACEAE								
.....COELASTRUM	--	-	--	-	--	-	100	8
.....OOCYSTACEAE								
.....ANKISTRODESMUS	--	-	26	10	760#	32	51	4
.....CHLORELLA	10#	20	--	-	--	-	--	-
.....DICTYOSPHAERIUM	--	-	--	-	170	7	--	-
.....KIRCHNERIELLA	--	-	--	-	14	1	--	-
.....SCENEDESMACEAE								
.....CRUCIGENIA	--	-	--	-	--	-	51	4
.....SCENEDESMUS	--	-	52#	20	110	5	77	6
.....TETRASTRUM	--	-	--	-	--	-	51	4
...TETRASPORALES								
...PALMELLACEAE								
...SPHAEROCYSTIS	--	-	--	-	290	12	--	-
...VOLVOCALES								
...CHLAMYDOMONADACEAE								
...CHLAMYDOMONAS	--	-	--	-	100	4	26	2
...ZYGNEMATALES								
...DESMIDIACEAE								
...COSMARIMUM	--	-	--	-	29	1	--	-
CHRYSTOPHYTA								
..BACILLARIOPHYCEAE								
...CENTRALES								
...COSCINODISCAEAE								
....CYCLOTELLA	--	-	--	-	14	1	13	1
....MELOSTRA	--	-	26	10	200	8	--	-
...PENNALES								
...ACHNANTHACEAE								
...ACHNANTHES	--	-	--	-	29	1	--	-
...CYMBELLACEAE								
...AMPHORA	--	-	13	5	--	-	--	-
...NAVICULACEAE								
...NAVICULA	20#	40	--	-	14	1	--	-
...NITZSCHIAEAE								
...NITZSCHIA	15#	30	39	15	72	3	130	10
CRYPTOPHYTA (CRYPTOMONADS)								
..CRYPTOPHYCEAE								
...CRYPTOMONADALES								
....CRYPTOMONADACEAE								
.....CRYPTOMONAS	5	10	--	-	--	-	--	-
CYANOPHYTA (BLUE-GREEN ALGAE)								
..CYANOPHYCEAE								
...CHROOCOCCALES								
...CHROOCOCCACEAE								
....ANACYSTIS	--	-	100#	40	290	12	640#	50
...HORMOGONALES								
...OSCILLATORIACEAE								
....OSCILLATORIA	--	-	--	-	290	12	150	12

NOTE: # - DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

* - OBSERVED ORGANISM, MAY NOT HAVE BEEN COUNTED; LESS THAN 1/2%

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 at 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 three tables. The first is a table of discharge measurements at low-flow partial-record stations, the second is a table of annual maximum stage and discharge at crest-stage stations, and the third is a table of peak elevation at flood-profile stations. Discharge measurements made at miscellaneous sites for both low flow and high flow are given in a fourth table.

LOW-FLOW PARTIAL-RECORD STATIONS

Measurements of streamflow in the area covered by this report made at low-flow partial-record stations are given in the following table. These measurements were made during periods of base flow when streamflow is primarily from ground-water storage. These measurements, when correlated with the simultaneous discharge of a nearby stream when continuous records are available, will give a picture of the low-flow potentiality of a stream. The column headed "Period of record" shows the water years in which measurements were made at the same, or practically the same, site.

Discharge measurements made at low-flow partial-record stations during water year 1980

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Measurements	
					Date	Discharge (ft ³ /s)
Thompson Creek basin						
07373850	Grants Bayou near Starhill, LA	Lat 30°44'33", long 91°19'32", East Feliciana Parish, at bridge on State Highway 965, 1.8 mi (2.9 km) southwest of Starhill.	9.26	1963-67, 1980	6-18-80	9.95
Mississippi River Delta						
07376275	Blood River near Albany, LA	Lat 30°30'15", long 90°36'20", Livingston Parish, at bridge on U.S. Highway 190, 1.4 mi (2.2 km) west of Albany.	7.6	1965-69, 1980	6-17-80	.26
07377160	Pigeon Creek near Grangeville, LA	Lat 30°43'22", long 90°49'15", St. Helena Parish, at bridge on State Highway 63, 1.5 mi (2.4 km) southeast of Grangeville.	9.69	1963-67, 1980	6-17-80	.68
07377770	Black Creek near Slaughter, LA	Lat 30°43'10", long 91°10'05", East Feliciana Parish, at bridge on State Highway 412, 1.5 mi (2.4 km) west of Slaughter.	15.3	1963-67, 1980	6-18-80	.00
*07377940	Blackwater Bayou near Baton Rouge, LA	Lat 30°32'06", long 91°04'53", East Baton Rouge Parish, at bridge on Hooper Road, 8.5 mi (13.5 km) northeast of the Baton Rouge Post Office.	14.1	1963-67, 1980	6-17-80	.38
07380118	Grays Creek near Port Vincent, LA	Lat 30°23'00", long 90°52'55", Livingston Parish, at bridge on unnumbered parish road, 4.0 mi (6.4 km) northwest of Port Vincent.	20.4	1965-69, 1980	6-17-80	13.2
Calcasieu River basin						
08016850	Houston River near Edgerly, LA	Lat 30°18'50", long 93°30'02", Calcasieu Parish, at bridge on unnumbered parish road, 5.8 mi (9.3 km) northeast of Edgerly.	(†)	1967-68, 1978, 1980	6-17-80	1.73
08017000	Buxton Creek near De Quincy, LA	Lat 30°21'25", long 93°27'10", Calcasieu Parish, at bridge on unnumbered parish road, 6.0 mi (9.7 km) south of De Quincy.	50.5	1956-57, 1959-64, 1968-69, 1978-80	6-17-80	.12

† Drainage area not determined.

* Also a flood-profile partial-record station.

CREST-STAGE PARTIAL-RECORD STATIONS

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some low 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 1980

					Annual maximum		
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (feet)	Dis-charge (ft ³ /s)
Pearl River basin							
02489990	Bogue Lusa Creek tributary near Franklinton, LA	Lat 30°55'30", long 89°59'20", Washington Parish, at culvert on State Highway 62, 1.8 mi (2.9 km) upstream from mouth, and 11.1 mi (17.9 km) northeast of high school at Franklinton.	0.41	1977-80	4-23-77a 11- 1-77a 4-24-79a 3-29-80	8.51 7.98 7.12 9.10	213 162 94 275
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 mi (2.3 km) southeast of Bogalusa water tower.	75.9	1969-80	5-17-80	†77.38	4,440
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 mi (1.6 km) southeast of Bogalusa water tower.	7.96	1969-80	5-17-80	3.62	---
02491200	Silver Springs Creek near Clifton, LA	Lat 30°55'30", long 90°14'30", Washington Parish, at bridge on State Highway 38, and 3.6 mi (5.8 km) west of Clifton.	50.1	1966-80	3-29-80	10.00	6,300
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 mi (5.5 km) northwest of Franklinton water tower.	42.2	1966-80	3-29-80	14.32	5,950
02491700	Lawrence Creek near Franklinton, LA	Lat 30°50'55", long 90°06'55", Washington Parish, at bridge on State Highway 10, and 2.0 mi (3.2 km) east of Franklinton.	44.2	1964-80	3-29-80	12.53	7,700
Bayou Sara basin							
07373400	Little Bayou Sara near Turnbull, LA	Lat 30°58'15", long 91°28'50", West Feliciana Parish, at bridge on State Highway 968, and 1.2 mi (1.9 km) northwest of Turnbull.	22.3	1950-61, 1963-68, 1974-80	1980	<†174.17	---
Thompson Creek basin							
07373450	Thompson Creek at Jackson, LA	Lat 30°50'25", long 91°13'35", East Feliciana-West Feliciana Parish line, at bridge on State Highway 10, and 0.5 mi (0.8 km) west of Jackson.	99.3	1949-59, 1972-73, 1975-80	3-27-80	†86.94	15,000
07373640	Hammer Creek tributary near Jackson, LA	Lat 30°50'40", long 91°17'35", West Feliciana Parish, at culvert on State Highway 10, 2.8 mi (4.5 km) east of Elm Park, and 4.7 mi (7.6 km) west of Jackson.	.20	1977-80	9- 7-77a 12- 7-78a 1980 1-13-80	3.82 3.77 --- 5.60	130 125 --- 303
07373700	Thompson Creek near Starhill, LA	Lat 30°44'55", long 91°17'05", East Feliciana-West Feliciana Parish line, at bridge on U.S. Highway 61, and 1.7 mi (2.7 km) southeast of Starhill.	249	1949-68, 1973, 1975-80	4-14-80	45.65	---
07373800	Alexander Creek near St. Francisville, LA	Lat 30°42'55", long 91°22'05", West Feliciana Parish, at bridge on State Highway 10, 1.0 mi (1.6 km) northeast of St. Francisville.	23.9	1953-68, 1971-73, 1975-80	3-27-80	10.81	---
Bayou Baton Rouge basin							
07373900	Bayou Baton Rouge above Baker, LA	Lat 30°37'20", long 91°12'35", East Baton Rouge Parish, at bridge on unnumbered parish road, and 3.4 mi (5.5 km) northwest of Baker.	13.7	1953-68*, 1975-80	4-13-80	21.70	2,500

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1980--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Annual maximum	
						Gage height (feet)	Dis-charge (ft ³ /s)
Mississippi River Delta							
07374590	North Carson Creek tributary near Sunny Hill, LA	Lat 30°52'20", long 90°17'20", Washington Parish, at culvert on State Highway 440, 0.8 mi (1.3 km) upstream from mouth, and 4.3 mi south-east of Sunny Hill.	0.22	1977-80	11- 5-77a 4-24-79a 3-29-80	7.84 7.93 7.87	156 161 157
07374700	Tchefuncta River near Franklinton, LA	Lat 30°45'22", long 90°15'52", Washington Parish, at bridge on State Highway 16, and 9.0 mi (14.5 km) southwest of Franklinton.	53.1	1949-68, 1975-76†, 1978-80	3-29-80	46.74	7,600
07375170	Bogue Falaya at Covington, LA	Lat 30°29'58", long 91°05'04", St. Tammany Parish, at bridge on State Highway 437, and 1.0 mi (1.6 km) north east of Covington.	88.2	1964-80	5-17-80	13.03	3,640
07375185	Little Bogue Falaya near Blond, LA	Lat 30°38'20", long 90°01'55", St. Tammany Parish, at culvert on State Highway 40, and 5.0 mi (8.0 km) northeast of Blond.	.91	1977-80	8-23-77a 12- 1-77a 4-24-79a 3-29-80	5.52 5.86 6.71 8.57	80 108 190 395
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 mi (0.3 km) north of Abita Springs.	46.1	1966-80	3-29-80	†24.07	4,600
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 mi (1.8 km) east of Kentwood.	b296	1951-68, 1975-80	4-26-80	16.12	---
07375307	Terrys Creek near Kentwood, LA	Lat 30°57'23", long 90°30'13", Tangipahoa Parish, at bridge on U.S. Highway 51, and 5.1 mi (8.2 km) northeast of Kentwood.	52.0	1966-80	3-29-80	13.64	---
07375345	Ashley Branch near Kentwood, LA	Lat 30°55'45", long 90°27'40", Tangipahoa Parish, at culvert on State Highway 38, 2.2 mi (3.5 km) east of Kentwood, and 2.8 mi (4.5 km) upstream from mouth.	1.74	1977-80	4-23-77a 12- 1-77a 2-25-79a 4-26-80	8.28 8.47 10.55 9.50	600 648 1,170 904
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 mi (3.7 km) south of Loranger.	.83	1967-71, 1974-80	5-19-80	9.84	---
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 mi (3.1 km) southeast of Husser.	31.7	1966-80	5-19-80	24.96	3,450
07375480	Chappepeela Creek southeast of Loranger, LA	Lat 30°36'22", long 90°19'56", Tangipahoa Parish, at bridge on State Highway 40, and 4.5 mi (7.2 km) southeast of Loranger.	91.0	1964-80	5-19-80	11.93	6,920
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 mi (3.2 km) east of Robert.	25.3	1951-80	4-27-80	10.28	2,250
07375790	Bridges Branch near Liverpool, LA	Lat 30°56'25", long 90°42'05", St. Helena Parish, at culvert on State Highway 43, 1.2 mi (1.9 km) northwest of intersection of State Highways 38 and 43, and 1.3 mi (1.7 km) upstream from mouth.	.76	1977-80	4-23-77a 12- 1-77a 4-23-79a 4-26-80	11.40 11.06 14.46 14.10	272 235 535 505
07375920	Hoffman Creek near Greensburg, LA	Lat 30°45'45", long 90°42'05", St. Helena Parish, at culvert on State Highway 449, 1.7 mi (2.7 km) upstream from mouth, and 1.7 mi (2.7 km) south of junction of State Highways 37 and 449.	.78	1977-80	9- 7-77a 12- 1-77a 4-23-79a 4-26-80	5.17 4.43 7.03 5.42	--- --- 740 ---
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 mi (0.8 km) northeast of Montpelier.	220	1951-68, 1975-80	4-23-79 4-26-80	†105.85 †104.24	c19,800 12,000
07376250	Killian Bayou near Maurepas, LA	Lat 30°20'35", long 90°34'50", Livingston Parish, at culvert on State Highway 22, 1.2 mi (2.03 km) south of junction of State Highways 22 and 444 at Killian, and 1.7 mi upstream from mouth.	1.88	1977-80	4-23-77a 12- 2-78a 4-23-79a 4-15-80	7.77 8.53 7.46 8.68	215 270 193 284
07376285	Hickory Branch near Albany, LA	Lat 30°28'00", long 90°36'35", Livingston Parish, at culvert on unnumbered parish road, 2.3 mi (3.7 km) southeast of junction with State Highway 441, and 3.0 mi (4.8 km) south-west of Albany.	1.25	1966-71, 1974-80	5-19-80	12.46	---

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1980--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Annual maximum		
					Date	Gage height (feet)	Dis-charge (ft ³ /s)
Mississippi River Delta--Continued							
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 mi (6.0 km) northwest of Springfield.	26.6	1964-80	4-13-80	17.57	2,140
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 mi (0.5 km) east of Albany.	40.6	1966-80	4-23-79 4-13-80	24.26 24.53	c2,850 2,980
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 mi (1.6 km) north of Natalbany.	13.8	1951-80	4-13-80	11.56	1,450
07377190	Sandy Creek south-east of Clinton, LA	Lat 30°50'05", long 90°57'50", East Feliciana Parish, at bridge on State Highway 63, and 5.9 mi (9.5 km) southeast of Clinton.	17.2	1966-80	4-14-80	14.44	5,120
07377210	Sandy Creek near Pride, LA	Lat 30°40'14", long 90°57'36", East Baton Rouge Parish, at bridge on Carlson Road, 0.8 mi (1.3 km) east of intersection of Carlson Road with State Highway 409, and 1.9 mi (3.1 km) southeast of Pride.	(**)	1976-80	4-14-80	18.76	---
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 mi (0.6 km) east of Magnolia.	884	1949-80	4-14-80	†46.65	40,500
07377405	Pretty Creek tributary near Clinton, LA	Lat 30°54'00", long 90°59'55", East Feliciana Parish, at culvert on State Highway 67, 0.5 mi (0.8 km) upstream from Pretty Creek, and 2.6 mi (4.2 km) northeast of Clinton.	0.29	1977-80	4-23-77a 4-18-78a 4-22-79a 5-16-80	7.82 7.12 7.95 10.33	303 --- 320 735
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 mi (3.2 km) northeast of Slaughter.	41.1	1966-68† 1969-80	3-29-80	17.66	3,100
07378070	Beaver Bayou near Fred, LA	Lat 30°37'32", long 91°03'08", East Baton Rouge Parish, at bridge on State Highway 964, 0.2 mi (0.3 km) southwest of intersection of State Highways 64 and 964, and 3.6 mi (5.8 km) southeast of Fred.	(**)	1975-80	3-29-80	12.23	---
07379085	North Branch Ward Creek tributary at Baton Rouge, LA	Lat 30°26'43", long 91°05'26", East Baton Rouge Parish, at culvert on U.S. Highway 61 at Baton Rouge, and 0.2 mi (0.3 km) upstream from mouth.	.13	1977-80	9- 7-77a 5- 3-78a 4-22-79a 4-14-80	10.79 10.45 10.45 11.07	78 65 65 90
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 mi (2.1 km) east of Walker.	20.3	1951-80	4-27-80	4.95	1,480
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 mi (0.3 km) upstream from mouth, and 1.4 mi (2.3 km) southwest of Port Allen.	9.08	1971-80	4-14-80	10.74	---

† Elevation; National Geodetic Vertical Datum of 1929.

< Less than amount shown.

* Datum different and unknown.

† Operated as a flood-profile partial-record station.

** Drainage area not determined.

a Not previously published.

b Including Terrys Creek.

c Corrected; figure previously published found in error.

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 1980

						Flood peak
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Elevation, in feet (NGVD)
Pearl River basin						
02491800	Bogue Chitto at Enon, LA	Lat 30°43'10", long 90°05'00", St. Tammany Parish, at bridge on State Highway 437, 0.5 mi (0.8 km) south of Enon.	1,107	1949-63, 1973-80	3-29-80	*20.22
02492663	French Branch near Slidell, LA	Lat 30°17'40", long 89°44'10", St. Tammany Parish, at bridge on State Highway 1092, 3.5 mi (5.6 km) northeast of Slidell.	(†)	1966-80	3-29-80	*11.64
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 mi (0.5 km) west of Baker.	(†)	1962-80	1980	<64.27
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 mi (4.3 km) southwest of Baker.	(†)	1962-80	1980	<58.51
07373993	Monte Sano Bayou at Ryan Airport, at Baton Rouge, LA	Lat 30°32'08", long 91°09'92", East Baton Rouge Parish, at bridge on service road at Ryan Airport, 6.1 mi (9.8 km) north of Baton Rouge Post Office.	(†)	1975-80	11-25-79 4-13-80	59.33 58.19
07373996	Monte Sano Bayou at Baton Rouge, LA	Lat 30°30'10", long 91°10'12", East Baton Rouge Parish, at bridge on U.S. Highway 61 at Baton Rouge.	(†)	1975-80	11-25-79 4-13-80	37.33 42.13
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 mi (0.6 km) north of Couss Road, at Slidell.	(†)	1966-80	3-29-80	*8.53
07375410	Tangipahoa River at Tangipahoa, LA	Lat 30°52'36", long 90°29'44", Tangipahoa Parish, at bridge on State Highway 440, and 1.0 mi (1.6 km) east of Tangipahoa.	340	1959-65, 1967-75, 1978-80	5-17-80	*14.92
07375420	Tangipahoa River at Arcola, LA	Lat 30°46'30", long 90°29'53", Tangipahoa Parish, at bridge on State Highway 10, and 0.7 mi (1.1 km) east of Arcola.	381	1959-65, 1967-80	5-17-80	*21.68
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 mi (0.8 km) southwest of Grangeville.	741	1951-63a, 1964-80	4-26-80	110.30
07377215	Little Sandy Creek near Milldale, LA	Lat 30°42'34", long 91°01'26", East Baton Rouge Parish, at bridge on Port Hudson-Pride Road, 2.9 mi (4.7 km) north of Milldale.	(†)	1975-80	4-14-80	*13.81
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 mi (2.1 km) west of Clinton.	b112	1949-65a, 1969-80	4-14-80	178.84
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 mi (6.0 km) east of Zachary.	230	1951-63a, 1964-80	4-14-80	*9.19
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 mi (14.5 km) northeast of Baton Rouge Post Office.	(†)	1962-80	3-29-80	58.21
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 mi (1.8 km) east of Zachary.	(†)	1962-75, 1977-80	4-13-80	89.29
07377840	White Bayou near Baton Rouge, LA	Lat 30°35'06", long 91°07'31", East Baton Rouge Parish, at bridge on Plank Road, 10.0 mi (16.1 km) northeast of Baton Rouge Post Office.	(†)	1962-80	1980	<68.56

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1980--Continued

					Flood peak	
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Elevation, in feet (NGVD)
Mississippi River Delta--Continued						
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 mi (0.3 km) east of State Highway 19 at Baker.	(†)	1967-80	1980	<67.49
07377900	Cypress Bayou at Plank Road, near Baton Rouge, LA	Lat 30°32'32", long 91°08'18", East Baton Rouge Parish, at bridge 6.9 mi (11.1 km) northeast of Baton Rouge Post Office.	(†)	1962-65, 1967-80	4-13-80	55.05
07377920	Cypress Bayou at Hooper Road, near Baton Rouge, LA	Lat 30°31'42", long 91°06'35", East Baton Rouge Parish, at bridge 7.0 mi (11.3 km) northeast of Baton Rouge Post Office.	(†)	1962-80	4-13-80	49.48
07377933	Blackwater Bayou near Fred, LA	Lat 30°35'52", long 91°04'46", East Baton Rouge Parish, at bridge on Dyer Road, and 3.8 mi (6.1 km) southeast of Fred.	(†)	1975-80	4-13-80	*11.50
07377940	Blackwater Bayou near Baton Rouge, LA	Lat 30°32'06", long 91°04'53", East Baton Rouge Parish, at bridge on Hooper Road, 8.5 mi (13.7 km) northeast of Baton Rouge Post Office.	14.1	1962-80	4-13-80	50.81
07378008	Hurricane Creek at Baton Rouge, LA	Lat 30°28'55", long 91°07'41", East Baton Rouge Parish, at bridge on East Brookstorn Drive, 3.9 mi (6.3 km) northeast of Baton Rouge Post Office.	(†)	1967-80	3-29-80	43.67
07378010	Hurricane Creek near Baton Rouge, LA	Lat 30°28'14", long 91°05'20", East Baton Rouge Parish, at bridge on Joor Road, 6.2 mi (10.0 km) northeast of Baton Rouge Post Office.	(†)	1962-80	3-29-80	45.10
07378015	Roberts Canal at Baton Rouge, LA	Lat 30°30'22", long 91°07'31", East Baton Rouge Parish, at bridge on Silverleaf Ave., 5.3 mi (8.5 km) northeast of Baton Rouge Post Office.	(†)	1967-80	3-29-80	49.88
07378020	Roberts Canal near Baton Rouge, LA	Lat 30°29'55", long 91°05'17", East Baton Rouge Parish, at bridge on Joor Road, 6.6 mi (10.6 km) northeast of Baton Rouge Post Office.	(†)	1962-80	3-29-80	45.44
07378050	Comite River at Greenwell Springs Road, near Baton Rouge, LA	Lat 30°30'20", long 91°02'24", East Baton Rouge Parish, at bridge 9.4 mi (15.1 km) northeast of Baton Rouge Post Office.	(†)	1962-80	3-29-80	42.56
07378075	Beaver Bayou at Denham Road, near Baton Rouge, LA	Lat 30°35'15", long 91°01'29", East Baton Rouge Parish, at culvert 13.7 mi (22.0 km) northeast of Baton Rouge Post Office.	(†)	1972-80	4-12-80	*14.81
07378100	Beaver Bayou at Wax Road, near Baton Rouge, LA	Lat 30°32'34", long 91°01'14", East Baton Rouge Parish, at culvert 11.8 mi (19.0 km) northeast of Baton Rouge Post Office.	(†)	1972-80	4-12-80	*16.01
07378595	Jones Creek at Airline Highway, at Baton Rouge, LA	Lat 30°27'12", long 91°05'15", East Baton Rouge Parish, at culvert, 5.1 mi (8.2 km) northeast of Baton Rouge Post Office.	(†)	1967-80	4-13-80	c48.38
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 mi (10.5 km) east of Baton Rouge Post Office.	(†)	1962-80	4-13-80	43.14
07378635	Lively Bayou north-east of Baton Rouge, LA	Lat 30°28'14", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 9.0 mi (14.5 km) east of Baton Rouge Post Office.	(†)	1967-80	4-13-80	d40.13
07378640	Lively Bayou east of Baton Rouge, LA	Lat 30°27'40", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 8.9 mi (14.3 km) east of Baton Rouge Post Office.	(†)	1967-80	4-13-80	38.25
07378645	Lively Bayou south-east of Baton Rouge, LA	Lat 30°26'47", long 91°02'04", East Baton Rouge Parish, at bridge on Flannery Road, 8.8 mi (14.2 km) southeast of Baton Rouge Post Office.	(†)	1967-80	4-13-80	37.01

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1980--Continued

					Flood peak	
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Elevation, in feet (NGVD)
Mississippi River Delta--Continued						
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 mi (13.5 km) east of Baton Rouge Post Office.	(†)	1962-80	4-13-80	36.38
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 mi (11.7 km) southeast of Baton Rouge Post Office.	(†)	1967-80	4-13-80	e42.87
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 Road, 1.6 mi (2.6 km) north of Woodlawn School, and 10.5 mi (16.9 km) east of Baton Rouge Post Office.	19.5	1967-80	4-13-80	28.21
07378710	Amite River near Baton Rouge, LA	Lat 30°23'52", long 90°58'23", East Baton Rouge Parish, 0.2 mi (0.3 km) downstream from Jones Creek, and 13 mi (20.9 km) south-east of Baton Rouge Post Office.	(†)	1968-80	1980	---
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 mi (12.7 km) southeast of Baton Rouge Post Office.	(†)	1967-80	4-13-80	28.96
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 Road, 2.3 mi (3.7 km) northeast of Hope Villa.	(†)	1967-80	4-13-80	22.13
07378780	Bayou Fountain at Ben Hur Road, at Baton Rouge, LA	Lat 30°23'30", long 91°09'36", East Baton Rouge Parish, at bridge 4.2 mi (6.8 km) southeast of Baton Rouge Post Office.	(†)	1962-80	4-13-80	18.70
07378788	Elbow Bayou near Baton Rouge, LA	Lat 30°21'27", long 91°10'20", East Baton Rouge Parish, at bridge on Ben Hur Road, and 6.3 mi (10.1 km) southeast of Baton Rouge Post Office.	(†)	---	6-20-80 7-26-80 7-31-80	*11.44 *12.93 *11.23
07378790	Elbow Bayou tributary at Baton Rouge, LA	Lat 30°22'29", long 91°10'08", East Baton Rouge Parish, at bridge on Ben Hur Road, and 5.3 mi (8.5 km) southeast of Baton Rouge Post Office.	(†)	1966-76, 1980	6-20-80 7-26-80 7-31-80	*16.24 *15.84 *16.19
07378792	Elbow Bayou at Baton Rouge, LA	Lat 30°22'09", long 91°09'27", East Baton Rouge Parish, at bridge on State Highway 30, and 5.8 mi (9.3 km) southeast of Baton Rouge Post Office.	(†)	---	6-20-80 7-26-80 7-31-80	*10.91 *10.49 *10.95
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 mi (11.1 km) southeast of Baton Rouge Post Office	(†)	1962-66, 1969-80	4-13-80	16.22
07378805	Bayou Fountain tributary near Baton Rouge, LA	Lat 30°21'00", long 91°04'54", East Baton Rouge Parish, at culvert on Highland Road, 9.1 mi (14.6 km) southeast of Baton Rouge Post Office.	(†)	1967-80	4-13-80	10.06
07379000	Ward Creek at Government Street, at Baton Rouge, LA	Lat 30°26'40", long 91°08'35", East Baton Rouge Parish, on downstream end of culvert on Government Street, and 2.4 mi (3.9 km) east of Baton Rouge Post Office.	4.04	1954-67, 1969-80	4-13-69 10- 7-70 9-16-71 5- 7-72 9-13-73 11- 5-74 4-14-75 6-28-76 9- 5-77 7-27-78 4-21-79 4-13-80	f49.71 f45.99 f46.93 f48.08 f48.74 f47.07 f47.04 f46.37 f45.88 f46.05 f45.30 46.85
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 mi (5.6 km) southeast of Baton Rouge Post Office.	(†)	1967, 1969-80	4-13-80	39.10
07379050	Ward Creek at Essen Lane near Baton Rouge, LA	Lat 30°24'17", long 91°06'12", East Baton Rouge Parish, at bridge 5.7 mi (9.2 km) southeast of Baton Rouge Post Office.	(†)	1962-71, 1975-80	4-13-80	28.30

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1980--Continued

					Flood peak	
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Elevation, in feet (NGVD)
Mississippi River Delta--Continued						
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 mi (8.9 km) southeast of Baton Rouge Post Office.	(†)	1967-80	5-10-76 9- 6-77 5- 3-78 8-29-78 4-22-79 4-13-80	h40.30 h39.12 h38.32 h38.55 h36.80 38.68
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 Highway, 5.9 mi (9.5 km) southeast of Baton Rouge Post Office.	(†)	1962-80	4-13-80	29.89
07379400	Dawson Creek at Perkins Road, at Baton Rouge, LA	Lat 30°24'37", long 91°07'53", East Baton Rouge Parish, 4.1 mi (6.6 km) southeast of Baton Rouge Post Office.	(†)	1962-80	4-13-80	23.59
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 mi (1.6 km) south of Baton Rouge Post Office.	.56	1971-80	4-13-80	21.16
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 mi (3.2 km) southeast of Baton Rouge Post Office.	61.31	1971-80	4-13-80	24.43
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 mi (3.9 km) southeast of Baton Rouge Post Office.	61.44	1971-80	4-13-80	23.67
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 mi (2.3 km) southeast of Baton Rouge Post Office.	1.64	1971-80	4-13-80	23.88
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 mi (5.1 km) southeast of Baton Rouge Post Office.	2.43	1971-80	4-13-80	22.33
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 mi (6.1 km) south of Baton Rouge Post Office.	(†)	1962-80	4-13-80	22.25
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 mi (0.7 km) southeast of Baton Rouge Post Office.	(†)	1962-80	4-13-80	22.13
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 mi (0.8 km) downstream from Dawson Creek, and 8.5 mi (13.7 km) southeast of Baton Rouge Post Office.	40.0	1947-54j, 1955-68a, 1972-80	4-13-80	20.63
07380103	Muddy Creek at Prairieville, LA	Lat 30°18'21", long 90°57'33", Ascension Parish, at bridge on unnumbered parish road, and 0.8 mi (1.3 km) northeast of Prairieville.	(†)	1980	5-19-80	*19.84
07380104	Muddy Creek tributary near Priarieville, LA	Lat 30°18'24", long 90°56'51", Ascension Parish, at bridge on Tillotson Road, and 1.5 mi (2.4 km) northeast of Prairieville.	(†)	1980	5-19-80	*17.85
07380106	Muddy Creek near Oak Grove, LA	Lat 30°19'44", long 90°57'15", Ascension Parish, at bridge on State Highway 42, and 1.3 mi (2.1 km) east of Oak Grove.	(†)	1980	5-19-80	*19.16
07380122	Henderson Bayou near Duplessis, LA	Lat 30°18'05", long 90°54'17", Ascension Parish, at bridge on Parish Road 932, and 3.6 mi (5.8 km) northeast of Duplessis.	(†)	1980	5-19-80	*18.55
07380123	Henderson Bayou tributary near Duplessis, LA	Lat 30°17'55", long 90°54'37", Ascension Parish, at bridge on unnumbered parish road, and 2.4 mi (3.9 km) northeast of Duplessis.	(†)	1980	5-19-80	*19.70
07380124	Henderson Bayou tributary at Galvez, LA	Lat 30°18'11", long 90°54'18", Ascension Parish, at bridge on Parish Road 932, and 0.2 mi (0.3 km) north of Galvez.	(†)	1980	5-19-80	*18.70

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1980--Continued

					Flood peak	
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Elevation, in feet (NGVD)
Mississippi River Delta--Continued						
07380125	Henderson Bayou tributary No. 2 near Duplessis, LA	Lat 30°17'55", long 90°53'55", Ascension Parish, at bridge on unnumbered parish road, and 3.2 mi (5.2 km) northeast of Duplessis.	(†)	1980	5-19-80	*19.06
07380126	Henderson Bayou near Port Vincent, LA	Lat 30°17'50", long 90°53'01", Ascension Parish, at bridge on Henderson River Road, and 3.1 mi (5.0 km) southwest of Port Vincent.	(†)	1980	5-19-80	*16.21
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 mi (0.8 km) northeast of Gonzales water tower.	(†)	1963-80	4-13-80	9.20
301755 090561600	Black Bayou near Prairieville, LA	Lat 30°17'55", long 90°56'16", Ascension Parish, at bridge on unnumbered parish road, and 2.0 mi (3.2 km) east of Prairieville.	(†)	1980	5-19-80	*20.63
301703 090553400	Black Bayou north-east of Duplessis, LA	Lat 30°17'03", long 90°55'34", Ascension Parish, at bridge on Parish Road 931, and 1.2 mi (1.9 km) northeast of Duplessis.	(†)	1980	5-19-80	*21.42
07380224	Black Bayou near Duplessis, LA	Lat 30°16'36", long 90°55'16", Ascension Parish, at bridge on State Highway 44, and 1.2 mi (1.9 km) northeast of Duplessis.	(†)	1980	5-19-80	*16.07
07380226	Bayou Francois near Gonzales, LA	Lat 30°13'57", long 90°56'49", Ascension Parish, at bridge on State Highway 429, 1.8 mi (2.9 km) west of Gonzales water tower.	(†)	1963-80	4-13-80	6.96
07380227	Bayou Francois at Gonzales, LA	Lat 30°13'35", long 90°55'14", Ascension Parish, at bridge on State Highway 44, 0.4 mi (0.6 km) southwest of Gonzales water tower.	(†)	1963-80	4-13-80	8.18
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 mi (2.9 km) northwest of Crowley.	254	1943-47j, 1966-74a, 1975-79j, 1980	5-16-80	*18.46
08012431	East Bayou Lacassine at Welsh, LA	Lat 30°13'50", long 92°49'15", Jefferson Davis Parish, at bridge on unnumbered parish road, 0.6 mi (1.0 km) south of Welsh.	(†)	1978-80	5-16-80	22.96
08012436	Bayou Grand Marais near Jennings, LA	Lat 30°13'53", long 92°41'25", Jefferson Davis Parish, at bridge on U.S. Highway 90, and 2.0 mi (3.2 km) west of Jennings.	(†)	1978-80	5-16-80	*k20.24
08012445	Bayou Chene near Welsh, LA	Lat 30°09'24", long 92°46'06", Jefferson Davis Parish, at bridge on unnumbered parish road, 6.0 mi (9.7 km) southeast of Welsh.	106	1969-80	5-16-80	*22.23

* Gage datum; NGVD of gage not determined.

† Not determined.

< Less than amount shown.

a Operated as a crest-stage partial-record station.

b Including Pretty Creek.

c Prior to Oct. 1, 1976, at datum 42.30 ft higher.

d Prior to Oct. 1, 1975, at datum 33.23 ft higher.

e Prior to Oct. 1, 1976, at datum 32.58 ft higher.

f Not previously published.

g Approximately.

h Corrected; figure previously published found in error.

j Operated as a continuous-record gaging station.

k From floodmarks.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1980

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
Pearl River basin						
Pearl River	Lake Borgne	Lat 30°18'10", long 89°38'30", St. Tammany Parish, at bridge on Interstate Highway 10, 8.8 mi (14.2 km) east of Slidell, LA.	(†)	1961,74, 1979	4- 2-80	173,800
Mississippi River main stem						
Mississippi River	Gulf of Mexico	Lat 30°29'29", long 91°11'50", East Baton Rouge-West Baton Rouge Parish line, 1.0 mi (1.6 km) downstream from U.S. Highway 190 bridge, at Baton Rouge, LA.	*1,125,700	1941-58†, 1973-76, 1979	12-10-79 8- 1-80	695,000 280,000
Do.....	do.....	Lat 29°57'03", long 90°08'17", Jefferson-Orleans Parish line, at Carrollton Street Municipal Water Plant intakes, and at mile 103.8 (167.0 km).	*1,125,900	--	10- 3-79 10-31-79 12-12-79 1-10-80 2- 7-80 3- 4-80 4-15-80 4-22-80 6-18-80 7- 9-80 9- 9-80	528,000 354,000 695,000 556,000 499,000 428,000 978,000 967,000 488,000 339,000 233,000
Mississippi River Delta						
Elbow Bayou	Bayou Fountain	Lat 30°21'27", long 91°10'20", East Baton Rouge Parish, at bridge on Ben Hur Road, and 5.3 mi (10.1 km) southeast of Baton Rouge, LA, Post Office.	(†)	--	3-28-80 4-12-80 4-13-80	257 270 444
Elbow Bayou tributary	Elbow Bayou	Lat 30°22'29", long 91°10'08", East Baton Rouge Parish, at bridge on Ben Hur Road, and 5.3 mi (8.5 km) southeast of Baton Rouge, LA, Post Office.	(†)	1966-76	3-28-80 4-13-80	48.5 80.3
Elbow Bayou	Bayou Fountain	Lat 30°22'09", long 91°09'27", East Baton Rouge Parish, at bridge on State Highway 30, and 5.8 mi (9.3 km) southeast of Baton Rouge, LA, Post Office.	(†)	--	3-28-80 4-13-80	359 527
Muddy Creek	Bayou Manchac	Lat 30°19'44", long 90°57'15", Ascension Parish, at bridge on State Highway 42, and 1.3 mi (2.1 km) east of Oak Grove, LA	(†)	--	3-28-80 4- 3-80 4-13-80	187 89.9 243
Henderson Bayou	Lake Villars	Lat 30°17'50", long 90°53'01", Ascension Parish, at bridge on unnumbered parish road, and 3.1 mi (5.0 km) southwest of Port Vincent, LA.	(†)	--	3-28-80 4- 2-80 4- 3-80 4-12-80 4-13-80	508 643 42.2 452 569
Black Bayou	New River	Lat 30°16'36", long 90°55'16", Ascension Parish, at bridge on State Highway 44, and 1.2 mi (1.9 km) northeast of Duplessis, LA.	3.66	1964-70	3-28-80 4- 3-80 4-13-80	298 37.2 408

† Drainage area not determined.

* Owing to interchange of flow between basins, drainage area arbitrarily determined.

‡ Operated as a continuous-record gaging station.

MISSISSIPPI RIVER DELTA

302202091452400 LAKE HENDERSON NEAR ATCHAFALAYA, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)
NOV 21...	1215	191	7.0	20.0	60	25	9.2	3.3	K20	700	68	0
JAN 24...	1130	108	6.4	13.5	100	60	5.8	1.8	<5	K10	41	3
APR 29...	1300	90	6.5	21.0	70	15	3.9	--	K5	K5	39	0
JUN 30...	1100	160	7.4	29.0	50	7	3.6	4.7	<4	K20	64	1

DATE	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)
NOV 21...	17	6.2	8.9	29	.5	4.6	88	0	72	14	12	11
JAN 24...	10	3.8	4.3	17	.3	2.9	46	0	38	29	2.6	5.1
APR 29...	9.6	3.6	3.3	15	.2	2.2	47	0	39	24	3.2	1.7
JUN 30...	16	5.9	6.0	16	.3	3.0	80	0	66	5.0	1.0	7.5

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)
NOV 21...	.1	5.2	130	109	.18	.01	1.1	1.1	4.9	.140	.43
JAN 24...	.1	6.6	86	58	.12	.12	1.1	1.2	5.4	.160	.49
APR 29...	.1	5.4	72	52	.10	.01	.87	.88	3.9	.260	.80
JUN 30...	.1	9.3	107	88	.15	.02	1.1	1.1	5.0	.110	.34

DATE	ARSENIC DISSOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM DISSOLVED (UG/L AS Cd)	CADMIUM RECOVERED FROM BOTTOM MATERIAL (UG/G AS Cd)	CHROMIUM, RECOVERED FROM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DISSOLVED (UG/L AS Cr)	COPPER, DISSOLVED (UG/L AS Cu)	COPPER, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Cu)	IRON, DISSOLVED (UG/L AS Fe)	IRON, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Fe)	LEAD, DISSOLVED (UG/L AS Pb)	LEAD, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Pb)
NOV 21...	1	10	2	20	10	0	11	750	100	50000	0	0

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

302202091452400 LAKE HENDERSON NEAR ATCHAFALAYA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	MANGA- NESE, RECov. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECov- ERABLE (UG/L AS HG)	MERCURY RECov. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECov. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARRON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)
NOV 21...	30	830	.0	.04	5	82	12	.00	0	.0	0	.00
DATE	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)
NOV 21...	0	.00	.0	.0	0	.00	.6	.00	1.2	.00	.0	.00
DATE	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)
NOV 21...	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00	.0
DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOT. IN BOTTOM MATL. (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	
NOV 21...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	
DATE	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	
NOV 21...	.0	.00	.0	.00	0	0	.00	.0	.04	.00	.00	

MISSISSIPPI RIVER DELTA

301926091452300 LAKE HENDERSON NEAR HENDERSON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DIS-SOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)
NOV 21...	1100	218	7.3	20.0	50	25	9.2	2.5	<5	720	75	3
JAN 24...	1145	119	6.5	13.5	30	60	8.6	5.0	<5	K10	39	1
APR 29...	1045	106	6.6	21.0	60	15	5.6	--	K10	100	40	0
JUN 30...	1000	140	7.0	30.0	60	5	--	3.8	K8	K20	59	11

DATE	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE, DIS-SOLVED (MG/L AS CO2)	SULFATE, DIS-SOLVED (MG/L AS SO4)	CHLORIDE, DIS-SOLVED (MG/L AS CL)
NOV 21...	19	6.6	14	37	.7	4.1	87	0	71	7.1	13	17
JAN 24...	9.7	3.6	3.8	16	.3	2.8	46	0	38	24	3.1	5.0
APR 29...	11	3.0	4.0	17	.3	2.3	51	0	42	20	3.9	3.9
JUN 30...	15	5.2	6.0	17	.3	2.8	59	0	48	9.4	15	7.4

DATE	FLUORIDE, DIS-SOLVED (MG/L AS F)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	SOLIDS, DIS-SOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)
NOV 21...	.1	7.7	127	124	.17	.01	1.1	1.1	4.9	.150	.46
JAN 24...	.1	6.1	70	57	.10	.12	.93	1.1	4.6	.150	.46
APR 29...	.1	5.6	78	59	.11	.02	1.8	1.8	8.1	.220	.67
JUN 30...	.1	8.1	102	89	.14	.03	1.5	1.5	6.8	.110	.34

DATE	ARSENIC, DIS-SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	CADMIUM, DIS-SOLVED (UG/L AS Cd)	CADMIUM RECOVERED FROM BOTTOM MATERIAL (UG/G AS Cd)	CHROMIUM, RECOVERED FROM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DIS-SOLVED (UG/L AS CR)	COPPER, DIS-SOLVED (UG/L AS CU)	COPPER, RECOVERED FROM BOTTOM MATERIAL (UG/G AS CU)	IRON, DIS-SOLVED (UG/L AS FE)	IRON, RECOVERED FROM BOTTOM MATERIAL (UG/G AS FE)	LEAD, DIS-SOLVED (UG/L AS Pb)	LEAD, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Pb)
NOV 21...	1	10	1	0	10	0	3	600	80	17000	0	0

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

MISSISSIPPI RIVER DELTA

301926091452300 LAKE HENDERSON NEAR HENDERSON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MANGANESE, DIS- SOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)
NOV 21...	1	450	.1	.04	3	54	11	.00	2	.0	4	.00

DATE	PCN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- AZINON, TOTAL (UG/L)
NOV 21...	0	.00	.4	.0	0	.00	.8	.00	.9	.00	.0	.00	.00

DATE	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 21...	3.5	.00	.0	.00	.00	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METH- OXY- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	METHYL TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MIREX, TOTAL (UG/L)
NOV 21...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE, TOTAL (UG/L)	PER- THANE, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/L)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 21...	.0	.00	.0	.00	.00	0	0	.00	.0	.03	.01	.00	.00	.00

MISSISSIPPI RIVER DELTA

07381440 BAYOU GROSSE TETE AT ROSEDALE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 ML)	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)
NOV 27...	1000	168	6.9	15.0	80	70	6.8	4.3	--	--	70	1
JAN 24...	1430	298	7.2	13.0	100	100	8.1	2.2	8200	9600	110	8
APR 09...	1730	152	6.9	20.5	60	15	4.3	--	K85	220	66	0
JUN 30...	1215	264	7.7	31.0	15	20	4.5	3.2	420	500	110	0

DATE	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	CARBON DIOXIDE DISSOLVED (MG/L AS CO2)	SULFATE DISSOLVED (MG/L AS SO4)	CHLORIDE, DISSOLVED (MG/L AS Cl)
NOV 27...	18	6.1	6.9	23	.4	5.3	84	0	69	17	13	3.0
JAN 24...	28	9.7	17	24	.7	3.9	124	0	102	12	15	22
APR 09...	18	5.1	4.8	13	.3	3.6	82	0	67	17	2.4	4.7
JUN 30...	30	9.2	9.1	14	.4	4.5	144	0	118	4.6	16	7.0

DATE	FLUORIDE, DISSOLVED (MG/L AS F)	SILICA, DISSOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DISSOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DISSOLVED (MG/L)	SOLIDS, DISSOLVED (TONS PER AC-FT)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, TOTAL (MG/L AS ...)	NITROGEN, TOTAL (MG/L AS NO3)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS PO4)
NOV 27...	.1	7.5	104	101	.14	1.6	1.7	3.3	15	.610	1.9
JAN 24...	.1	12	190	169	.26	.26	1.3	1.6	6.9	.240	.74
APR 09...	.1	9.2	103	88	.14	.06	1.4	1.5	6.5	.390	1.2
JUN 30...	.2	11	162	158	.22	.15	4.3	4.5	20	.140	.43

DATE	ARSENIC, TOTAL IN BOTTOM MATERIAL (UG/G AS AS)	ARSENIC, DISSOLVED (UG/L AS AS)	CADMIUM, DISSOLVED (UG/L AS Cd)	CADMIUM, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Cd)	CHROMIUM, RECOVERED FROM BOTTOM MATERIAL (UG/G)	CHROMIUM, HEXAVALENT, DISSOLVED (UG/L AS Cr)	COPPER, DISSOLVED (UG/L AS Cu)	COPPER, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Cu)	IRON, DISSOLVED (UG/L AS Fe)	IRON, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Fe)	LEAD, DISSOLVED (UG/L AS Pb)	LEAD, RECOVERED FROM BOTTOM MATERIAL (UG/G AS Pb)
NOV 27...	4	9	<1	50	10	0	6	1800	80	240000	0	2500

< Actual value is known to be less than the value shown.

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

07381440 BAYOU GROSSE TETE AT ROSEDALE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	MANGANESE, DIS- SOLVED (UG/L AS MN)	MANGANESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)	PHENOLS (UG/L)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
NOV 27...	30	310	.1	.50	3	70	11	.00	0	.0	8
DATE	NAPHTHA- LENES, POLY- CHLOR. TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDO, TOTAL (UG/L)	DDO, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)
NOV 27...	.00	0	.00	.0	.0	11	.00	3.3	.00	8.2	.00
DATE	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN, TOTAL (UG/L)	DI- ELDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)
NOV 27...	.5	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00
DATE	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOT- TOM MA- TERIAL (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOT- TOM MA- TERIAL (UG/KG)
NOV 27...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0
DATE	MIREX, TOTAL (UG/L)	MIREX, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	SILVEX, TOTAL (UG/L)
NOV 27...	.00	.0	.00	.0	.00	0	0	.00	.0	.18	.00

MISSISSIPPI RIVER DELTA

07386600 VERMILION RIVER (BAYOU VERMILION) NEAR CARENCRO, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM CORAL T UNITS)	TURBIDITY (JTU)	OXYGEN, DISSOLVED (MG/L)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (MG/L)	C.O.D. TOTAL IN BOTTOM MATERIAL (MG/KG)	OXYGEN DEMAND, BIOCHEM UNINHIB 5 DAY (MG/L)	COLIFORM, FECAL, 0.7 UM-MF (COLS./100 ML)	STREPTOCOCCI KF AGAR (COLS. PER 100 ML)
MAY 12...	1000	124	6.4	24.0	--	--	5.4	42	17000	2.7	K50	K300
17...	1215	33	6.2	20.5	--	--	6.2	49	--	2.0	--	--
AUG 08...	1815	370	7.3	31.5	10	30	3.2	22	44000	1.6	500	K7600

DATE	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	SODIUM PERCENT	SODIUM ADSORPTION RATIO	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	ALKALINITY (MG/L AS CaCO3)	SULFATE DISSOLVED (MG/L AS SO4)
MAY 12...	32	0	7.7	3.2	11	40	.8	2.5	42	0	34	12
17...	8	0	2.2	.7	3.0	37	.5	2.2	10	0	8	1.7
AUG 08...	120	4	28	11	29	34	1.2	3.7	135	0	111	18

DATE	CHLORIDE, DISSOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C. SUSPENDED (MG/L)	SOLIDS, VOLATILE IN BOTTOM MATERIAL (MG/KG)	NITROGEN, NITRATE TOTAL (MG/L AS N)	NITROGEN, NITRITE TOTAL (MG/L AS N)	NITROGEN, NO2+NO3 TOTAL (MG/L AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS N)	NITROGEN, AMMONIA DISSOLVED (MG/L AS N)	NITROGEN, NH4 TOTAL IN ROT. MAT. (MG/KG AS N)	NITROGEN, AMMONIA TOTAL (MG/L AS NH4)	NITROGEN, AMMONIA DISSOLVED (MG/L AS NH4)
MAY 12...	9.3	68	49400	.21	.03	.24	--	.27	17	--	.35
17...	4.6	224	--	.40	.04	.44	.25	.26	--	.30	.33
AUG 08...	36	59	4000	.32	.06	.38	.21	.17	23	.25	.22

DATE	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC DISSOLVED (MG/L AS N)	NITROGEN, AMMONIA + ORGANIC TOTAL (MG/L AS N)	NITROGEN, NH4 + ORG. SUSP. TOTAL (MG/L AS N)	NITROGEN, AMMONIA + ORG. DIS. (MG/L AS N)	NITROGEN, NH4 + ORG. TOT IN ROT MAT (MG/KG AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N)	NITROGEN, ORGANIC TOTAL (MG/L AS N03)	PHOSPHORUS, TOTAL (MG/L AS P)	PHOSPHORUS, TOTAL (MG/L AS P04)	PHOSPHORUS, DISSOLVED (MG/L AS P)
MAY 12...	--	.83	1.0	--	1.1	591	1.2	5.5	.450	1.4	.250
17...	1.2	1.2	1.4	--	1.5	--	1.8	8.1	.360	1.1	.180
AUG 08...	1.3	.31	1.5	1.0	.48	1100	1.9	8.3	.560	1.7	.430

K Results based on colony count outside the acceptable range (non-ideal count).

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

07386600 VERMILION RIVER (BAYOU VERMILION) NEAR CARENCRO, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	ARSENIC TOTAL (UG/L AS AS)	ARSENIC SUS- PENDED TOTAL (UG/L AS AS)	ARSENIC DIS- SOLVED (UG/L AS AS)	ARSENIC TOTAL IN BOT- TOM MA- TERIAL (UG/G AS AS)	BERYL- LIUM, TOTAL RECOV- ERABLE (UG/L AS BE)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	BERYL- LIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CADMIUM TOTAL RECOV- ERABLE (UG/L AS CD)	CADMIUM DIS- SOLVED (UG/L AS CD)	CADMIUM RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CD)	CHRO- MIUM, TOTAL RECOV- ERABLE (UG/L AS CR)
MAY 12...	3	1	2	8	0	<1	0	1	<1	3	0
MAY 17...	3	2	1	--	0	<1	--	0	<1	--	0
AUG 08...	6	0	6	11	0	<1	0	1	<1	3	0

DATE	CHRO- MIUM, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	CHRO- MIUM, HEXA- VALENT, DIS- SOLVED (UG/L AS CR)	COPPER, TOTAL RECOV- ERABLE (UG/L AS CU)	COPPER, SUS- PENDED RECOV- ERABLE (UG/L AS CU)	COPPER, DIS- SOLVED (UG/L AS CU)	COPPER, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS CU)	IRON, DIS- SOLVED (UG/L AS FE)	LEAD, TOTAL RECOV- ERABLE (UG/L AS PB)	LEAD, SUS- PENDED RECOV- ERABLE (UG/L AS PB)	LEAD, DIS- SOLVED (UG/L AS PB)
MAY 12...	5	0	6	--	8	10	410	7	5	2
MAY 17...	--	0	8	1	7	--	90	12	10	2
AUG 08...	10	0	30	26	4	12	20	10	6	4

DATE	LEAD, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS PR)	MANGA- NESE, RECOV. FM BOT- TOM MA- TERIAL (UG/G)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	MERCURY RECOV. FM BOT- TOM MA- TERIAL (UG/G AS HG)	NICKEL, TOTAL RECOV- ERABLE (UG/L AS NI)	NICKEL, SUS- PENDED RECOV- ERABLE (UG/L AS NI)	NICKEL, DIS- SOLVED (UG/L AS NI)	NICKEL, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS NI)
MAY 12...	10	400	.1	.1	.0	.03	2	0	2	10
MAY 17...	--	--	.1	.1	.0	--	9	6	3	--
AUG 08...	10	780	.2	.1	.1	.04	4	4	0	20

DATE	SELE- NIUM, SUS- PENDED TOTAL (UG/L AS SE)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SELE- NIUM, TOTAL IN BOT- TOM MA- TERIAL (UG/G)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, TOTAL RECOV- ERABLE (UG/L AS ZN)	ZINC, SUS- PENDED RECOV- ERABLE (UG/L AS ZN)	ZINC, DIS- SOLVED (UG/L AS ZN)	ZINC, RECOV. FM BOT- TOM MA- TERIAL (UG/G AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)
MAY									
12...	0	0	0	4.0	20	20	4	20	11
17...	0	0	--	2.0	40	40	<3	--	17
AUG									
08...	0	0	1	5.0	90	80	7	39	9.9

< Actual value is known to be less than the value shown.

MISSISSIPPI RIVER DELTA

07386600 VERMILION RIVER (BAYOU VERMILION) NEAR CARENCRO, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

DATE	CYANIDE TOTAL (MG/L AS CN)	CYANIDE TOTAL IN BOT- TOM MA- TERIAL (UG/G AS CN)	PHENOLS (UG/L)	OIL AND GREASE, TOT. IN BOT MAT GRAVI- METRIC (MG/KG)	PCB, TOTAL (UG/L)	PCB, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	NAPH- THA- LENES, POLY- CHLOR. TOTAL (UG/L)	ALDRIN, TOTAL (UG/L)	ALDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	CHLOR- DANE, TOTAL (UG/L)	CHLOR- DANE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)
MAY											
12...	--	1	--	0	.0	0	.00	.000	.0	.0	8
17...	.00	--	--	--	.0	--	.00	.000	--	.0	--
AUG											
08...	.00	0	0	--	.0	1	.00	.000	.0	.0	6

DATE	DDD, TOTAL (UG/L)	DDD, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDE, TOTAL (UG/L)	DDE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DDT, TOTAL (UG/L)	DDT, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- AZINON, TOTAL (UG/L)	DI- AZINON, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	DI- ELDRIN TOTAL (UG/L)	DI- ELDRIN TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ENDO- SULFAN, TOTAL (UG/L)
MAY											
12...	.004	53	.000	16	.001	93	.01	.0	.004	2.4	.000
17...	.000	--	.000	--	.003	--	.01	--	.004	--	.000
AUG											
08...	.005	26	.000	12	.000	35	.00	.0	.003	.8	.000

DATE	ENDRIN, TOTAL (UG/L)	ENDRIN, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	ETHION, TOTAL (UG/L)	ETHION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR, TOTAL (UG/L)	HEPTA- CHLOR, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	HEPTA- CHLOR EPOXIDE TOTAL (UG/L)	HEPTA- CHLOR EPOXIDE TOT. IN BOTTOM MATL. (UG/KG)	LINDANE TOTAL (UG/L)	LINDANE TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	MALA- THION, TOTAL (UG/L)
MAY											
12...	.000	.0	.00	.0	.000	.0	.000	.2	.000	.0	.00
17...	.000	--	.00	--	.000	--	.000	--	.000	--	.00
AUG											
08...	.000	.0	.00	.0	.000	.0	.000	.0	.000	.0	.00

DATE	MALA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	METH- OXY- CHLOR, TOTAL (UG/L)	METHYL PARA- THION, TOTAL (UG/L)	METHYL PARA- THION, TOT. IN BOTTOM MATL. (UG/KG)	METHYL TRI- THION, TOTAL (UG/L)	METHYL TRI- THION, TOT. IN BOTTOM MATL. (UG/KG)	MIREX, TOTAL (UG/L)	PARA- THION, TOTAL (UG/L)	PARA- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)
MAY										
12...	.0	.00	.00	.0	.00	.0	.00	.00	.0	.00
17...	--	.00	.00	--	.00	--	.00	.00	--	.00
AUG										
08...	.0	.00	.00	.0	.00	.0	.00	.00	.0	.00

DATE	TOX- APHENE, TOTAL (UG/L)	TOXA- PHENE, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL THI- THION (UG/L)	TRI- THION, TOTAL IN BOT- TOM MA- TERIAL (UG/KG)	2,4-D, TOTAL (UG/L)	2,4,5-T TOTAL (UG/L)	SILVEX, TOTAL (UG/L)	PHYTO- PLANK- TON, TOTAL (CELLS PER ML)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAY										
12...	.0	0	.00	.0	.02	.00	.00	370	2.58	.220
17...	.0	--	.00	--	.11	.01	.00	--	--	--
AUG										
08...	.0	0	.00	.0	.04	.01	.00	410	1.46	.000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

07386600 VERMILION RIVER (BAYOU VERMILION) NEAR CARENCRO, LA--Continued

PHYTOPLANKTON ANALYSES, OCTOBER 1979 TO AUGUST 1980

DATE TIME	MAY 12, 80 1000	AUG 8, 80 1815
TOTAL CELLS/ML	370	410
DIVERSITY: DIVISION	1.0	1.2
..CLASS	1.0	1.2
..ORDER	1.8	2.1
...FAMILY	2.0	2.2
....GENUS	2.2	2.3

ORGANISM	CELLS /ML	PER- CENT	CELLS /ML	PER- CENT
CHLOROPHYTA (GREEN ALGAE)				
..CHLOROPHYCEAE				
...CHLOROCOCCALES				
....MICRACETINACEAE				
....GOLLENKINIA	--	-	26	6
....OOCYSTACEAE				
....ANKISTRODESMUS	--	-	13	3
....TETRAEDRON	--	-	13	3
...SCENEDESMACEAE				
....SCENEDESMUS				
..VOLVOCALES	77#	21	--	-
...CHLAMYDOMONADACEAE				
....CHLAMYDOMONAS	13	3	26	6
CHRYSOPHYTA				
..BACILLARIOPHYCEAE				
...CENTRALES				
....COSCINODISCEAE				
....CYCLOTELLA	13	3	26	6
....MELOSIRA	150#	41	--	-
..PENNALES				
...NAVICULACEAE				
....NAVICULA	13	3	--	-
...NITZSCHACEAE				
....NITZSCHIA	90#	24	26	6
CYANOPHYTA (BLUE-GREEN ALGAE)				
..CYANOPHYCEAE				
...CHROOCOCCALES				
....CHROOCOCCACEAE				
....ANACYSTIS	--	-	77#	19
...HORMOGONALES				
....OSCILLATORIACEAE				
....OSCILLATORIA	--	-	210#	50
EUGLENOPHYTA (EUGLENOIDS)				
..EUGLENOPHYCEAE				
...EUGLENALES				
....EUGLENACEAE				
....TRACHELOMONAS	13	3	--	-

NOTE: # = DOMINANT ORGANISM; EQUAL TO OR GREATER THAN 15%

MERMENTAU RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

301213092214200 BAYOU BLANC AT CROWLEY, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM CORALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
MAR 11...	1215	1230	8.5	50	120	4.0	82	2200	250	0
APR 09...	1130	321	7.2	140	120	--	140	1400	80	0
JUL 02...	1130	419	8.5	30	200	--	34	160	110	0

DATE	RICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C. SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
MAR 11...	325	0	267	1.6	23	220	214	1.8	6.0
APR 09...	117	0	96	12	6.0	28	1520	.87	1.4
JUL 02...	171	0	140	.9	11	32	228	.43	.56

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N03)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS P04)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
MAR 11...	7.3	7.0	13	15	66	3.40	--	10	--
APR 09...	1.7	11	12	13	57	1.50	2.2	4.6	.73
JUL 02...	.68	1.4	2.0	2.4	11	.490	1.1	1.5	.36

301138092231200 BAYOU BLANC NEAR CROWLEY, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM CORALT UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
MAR 11...	1115	1090	8.5	40	25	4.0	76	1200	220	46
APR 09...	1030	326	7.3	80	160	--	140	2000	88	0
JUL 02...	1030	421	9.0	30	200	--	53	K400	120	0

DATE	RICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	ALKA- LINITY (MG/L AS CAC03)	CARBON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C. SUS- PENDE (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
MAR 11...	212	0	174	1.1	22	200	28	2.3	1.4
APR 09...	131	0	107	11	7.4	29	880	.57	1.5
JUL 02...	192	0	157	.4	6.8	32	113	.49	.41

K Results based on colony count outside the acceptable range (non-ideal count).

MERMENTAU RIVER BASIN

WATER QUALITY DATA, WATER YEAR OCTOBER 1979 TO SEPTEMBER 1980

301138092231200 BAYOU BLANC NEAR CROWLEY, LA--Continued

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS P04)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
MAR 11...	1.7	3.1	4.5	6.8	30	1.10	--	3.4	--
APR 09...	1.8	9.5	11	12	51	1.20	.74	3.7	.24
JUL 02...	.50	2.0	2.4	2.9	13	.560	1.1	1.7	.36

301127092244500 BAYOU BLANC SOUTHWEST OF CROWLEY, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM CORAL UNITS)	TUR- BID- ITY (JTU)	OXYGEN, DIS- SOLVED (MG/L)	OXYGEN DEMAND, CHEM- ICAL (HIGH LEVEL) (MG/L)	COLI- FORM, FECAL, 0.7 UM-MF (COLS./ 100 ML)	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)
MAR 11...	1000	1110	9.0	50	35	12.0	67	3300	180	0
APR 09...	0930	309	7.1	70	15	--	130	1200	160	51
JUL 02...	0930	519	9.0	20	40	--	38	K200	140	0

DATE	RICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	ALKA- LINITY (MG/L AS CAC03)	CARRON DIOXIDE DIS- SOLVED (MG/L AS C02)	SULFATE DIS- SOLVED (MG/L AS S04)	CHLO- RINE, DIS- SOLVED (MG/L AS CL)	SOLIDS, RESIDUE AT 105 DEG. C, SUS- PENDED (MG/L)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)	NITRO- GEN, AMMONIA TOTAL (MG/L AS N)
MAR 11...	312	0	256	.6	16	140	24	1.4	7.7
APR 09...	127	0	104	17	6.8	20	500	.52	1.1
JUL 02...	206	0	169	.4	7.8	49	35	.57	.43

DATE	NITRO- GEN, AMMONIA TOTAL (MG/L AS NH4)	NITRO- GEN, ORGANIC TOTAL (MG/L AS N)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS N)	NITRO- GEN, TOTAL (MG/L AS NO3)	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHATE, TOTAL (MG/L AS P04)	PHOS- PHORUS TOTAL (MG/L AS P04)	PHOS- PHORUS, ORTHO, TOTAL (MG/L AS P)
MAR 11...	9.3	5.3	13	14	64	3.40	--	10	--
APR 09...	1.3	13	14	15	64	.960	2.0	2.9	.65
JUL 02...	.52	1.4	1.8	2.4	11	.390	1.1	1.2	.37

K Results based on colony count outside the acceptable range (non-ideal count).

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
PEARL RIVER BASIN					
02489500 PEARL RIVER NEAR BOGALUSA, LA					
NOV. 7, 1979.....	16.0	--	JUNE 11.....	27.0	--
MAR. 13, 1980.....	25.0	8.6	JULY 16.....	32.0	7.2
MAY 21.....	21.0	--	AUG. 13.....	30.5	7.2
02490105 BOGUE LUSA CREEK AT STATE HIGHWAY 439, AT BOGALUSA, LA					
NOV. 5, 1979.....	14.5	10.0	JUNE 4.....	24.0	--
DEC. 4.....	8.0	11.1	JULY 16.....	25.0	7.2
JAN. 15, 1980.....	14.0	10.6	AUG. 14.....	25.5	7.8
MAR. 30.....	18.0	--	SEPT. 23.....	25.5	7.6
02492000 BOGUE CHITTO NEAR BUSH, LA					
NOV. 15, 1979.....	16.0	--	JUNE 4.....	26.0	--
DEC. 4.....	9.5	10.8	JULY 15.....	31.5	7.3
MAR. 6, 1980.....	15.0	--	AUG. 15.....	28.0	7.1
MAY 8.....	23.5	--	SEPT. 24.....	27.0	7.3
MISSISSIPPI RIVER DELTA					
07373965 SOUTH CANAL NEAR BAKER, LA					
NOV. 6, 1979.....	14.5	--	JULY 14.....	30.4	3.5
DEC. 4.....	12.0	8.9	AUG. 13.....	28.5	--
JAN. 15, 1980.....	15.0	8.6	SEPT. 26.....	25.5	3.3
MAY 15.....	23.5	1.4			
07375000 TCHEFUNCTA RIVER NEAR FOLSOM, LA					
NOV. 7, 1979.....	13.5	10.2	MAY 6.....	17.5	8.0
DEC. 6.....	10.0	11.8	JUNE 5.....	22.0	8.0
JAN. 18, 1980.....	10.0	11.5	JULY 9.....	24.0	8.0
FEB. 22.....	15.5	7.8	AUG. 12.....	23.0	8.2
MAR. 25.....	16.0	8.2	SEPT. 24.....	22.5	8.0
07375500 TANGIPAHOA RIVER AT ROBERT, LA					
NOV. 7, 1979.....	14.0	10.2	MAY 6.....	22.0	7.4
DEC. 7.....	10.0	11.4	JUNE 5.....	25.0	8.0
JAN. 24, 1980.....	9.5	11.0	JULY 9.....	28.0	8.0
FEB. 25.....	17.0	8.8	AUG. 12.....	26.0	--
MAR. 25.....	15.5	8.6	SEPT. 24.....	25.5	8.2
07375800 TICKFAW RIVER AT LIVERPOOL, LA					
NOV. 6, 1979.....	13.0	10.0	MAY 1.....	23.5	8.6
DEC. 4.....	8.0	11.8	JUNE 4.....	21.0	8.4
JAN. 21, 1980.....	11.0	11.0	JULY 8.....	24.0	8.3
FEB. 26.....	9.0	10.0	AUG. 13.....	23.5	8.0
MAR. 24.....	15.0	8.6	SEPT. 23.....	23.0	8.4
07376000 TICKFAW RIVER AT HOLDEN, LA					
NOV. 8, 1979.....	14.0	10.2	MAY 2.....	18.0	7.4
DEC. 3.....	7.5	12.6	JUNE 3.....	23.0	8.2
JAN. 29, 1980.....	11.0	11.2	JULY 10.....	27.0	8.1
FEB. 28.....	13.0	9.2	AUG. 15.....	25.0	8.2
APR. 10.....	17.5	8.0	SEPT. 24.....	25.0	8.5
07376500 NATALBANY RIVER AT BAPTIST, LA					
NOV. 8, 1979.....	12.0	10.2	APR. 30.....	18.5	8.0
DEC. 6.....	10.0	10.8	JUNE 3.....	26.5	8.4
JAN. 30, 1980.....	13.5	10.6	JULY 10.....	27.0	9.0
FEB. 20.....	15.0	9.0	AUG. 12.....	28.5	9.0
MAR. 27.....	13.4	10.4	SEPT. 22.....	28.0	8.3
07377000 AMITE RIVER NEAR DARLINGTON, LA					
NOV. 5, 1979.....	14.0	10.8	MAY 1.....	19.0	8.0
DEC. 4.....	7.5	11.8	JUNE 4.....	24.0	8.8
JAN. 21, 1980.....	11.5	11.2	JULY 8.....	27.0	8.4
FEB. 26.....	13.0	9.6	AUG. 13.....	26.5	9.0
MAR. 24.....	16.0	8.4	SEPT. 13.....	25.0	8.2

TEMPERATURES (°C) AND DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, OF STREAMS IN LOUISIANA DURING 1980 WATER YEAR

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
MISSISSIPPI RIVER DELTA--Continued					
07377240 LITTLE SANDY CREEK NEAR GREENWELL SPRINGS, LA					
NOV. 6, 1979....	16.0	5.1	APR. 29.....	20.0	6.8
DEC. 4.....	9.5	5.6	JUNE 3.....	25.0	3.4
JAN. 21, 1980....	15.0	6.5	JULY 8.....	26.0	--
FEB. 26.....	12.0	6.8	AUG. 14.....	27.5	3.6
APR. 2.....	17.0	--	SEPT. 23.....	26.0	1.6
07377500 COMITE RIVER NEAR OLIVE BRANCH, LA					
NOV. 6, 1979....	15.0	9.3	APR. 29.....	19.0	8.7
DEC. 3.....	10.0	10.8	JUNE 2.....	28.0	8.4
JAN. 21, 1980....	16.0	8.8	AUG. 14.....	27.0	7.5
FEB. 25.....	20.0	9.6	SEPT. 23.....	25.0	7.5
MAR. 25.....	17.5	8.5			
07377755 WHITE BAYOU EAST DIVERSION CHANNEL NEAR BATON ROUGE, LA					
NOV. 6, 1979....	14.5	--	JULY 14.....	26.5	5.5
DEC. 11.....	12.0	--	AUG. 13.....	26.0	--
JAN. 15, 1980....	13.0	7.2	SEPT. 25.....	24.5	5.1
MAY 14.....	22.0	5.5			
07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA					
NOV. 6, 1979....	14.5	--	JULY 14.....	28.5	--
DEC. 11.....	11.5	8.7	AUG. 13.....	28.0	--
JAN. 15, 1980....	14.0	8.6	SEPT. 25.....	27.0	6.1
MAY 14.....	23.0	2.2			
07377842 WHITE BAYOU NEAR BAKER, LA					
JAN. 15, 1980....	15.5	4.6	AUG. 13.....	29.0	--
MAY 14.....	23.0	2.6	SEPT. 25.....	26.5	3.0
JULY 14.....	30.0	4.4			
07378000 COMITE RIVER NEAR COMITE, LA					
NOV. 6, 1979....	19.5	10.2	JUNE 3.....	26.0	8.6
DEC. 4.....	9.0	12.0	JULY 10.....	29.0	--
FEB. 1, 1980....	6.5	11.6	JULY 17.....	35.0	--
FEB. 26.....	14.0	10.0	AUG. 14.....	27.0	7.1
MAR. 10.....	20.0	--	SEPT. 22.....	30.0	8.2
APR. 30.....	20.5	8.7			
07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA					
NOV. 5, 1979....	15.0	10.6	MAY 7.....	22.0	7.6
DEC. 10.....	10.0	11.8	JUNE 11.....	25.0	8.6
JAN. 30, 1980....	11.5	11.0	AUG. 18.....	29.0	7.6
FEB. 27.....	13.0	9.0	SEPT. 22.....	28.0	8.5
APR. 10.....	18.0	8.6			
07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE, LA					
DEC. 7, 1979....	8.5	--	MAY 1.....	19.5	--
JUNE 15, 1980....	10.0	--	JUNE 6.....	25.0	1.0
FEB. 25.....	16.5	--	AUG. 18.....	29.0	7.6
MAR. 24.....	18.0	--	SEPT. 22.....	28.0	8.5

WATER RESOURCES DATA FOR LOUISIANA, 1980

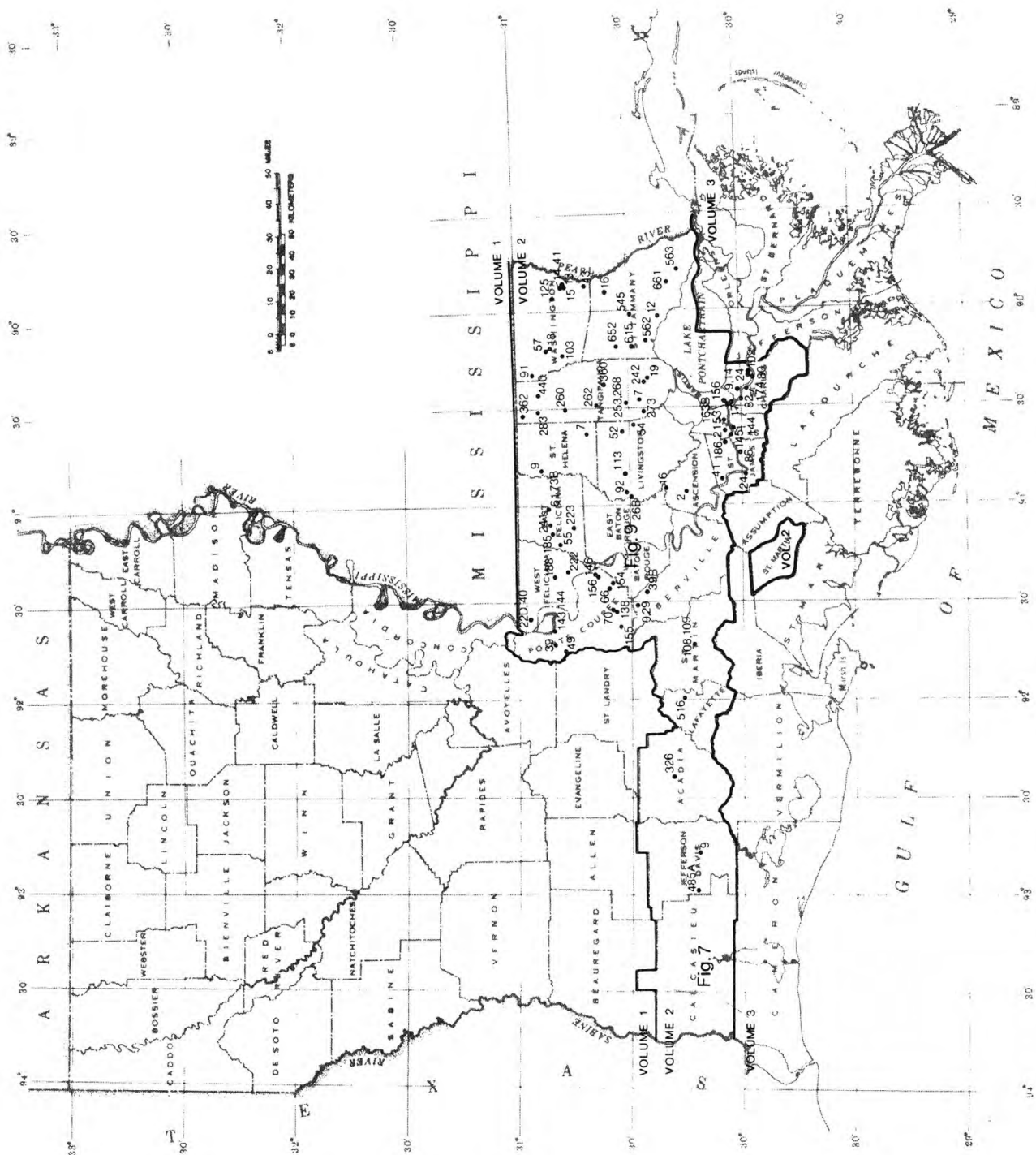


Figure 6.--Location of observation wells.

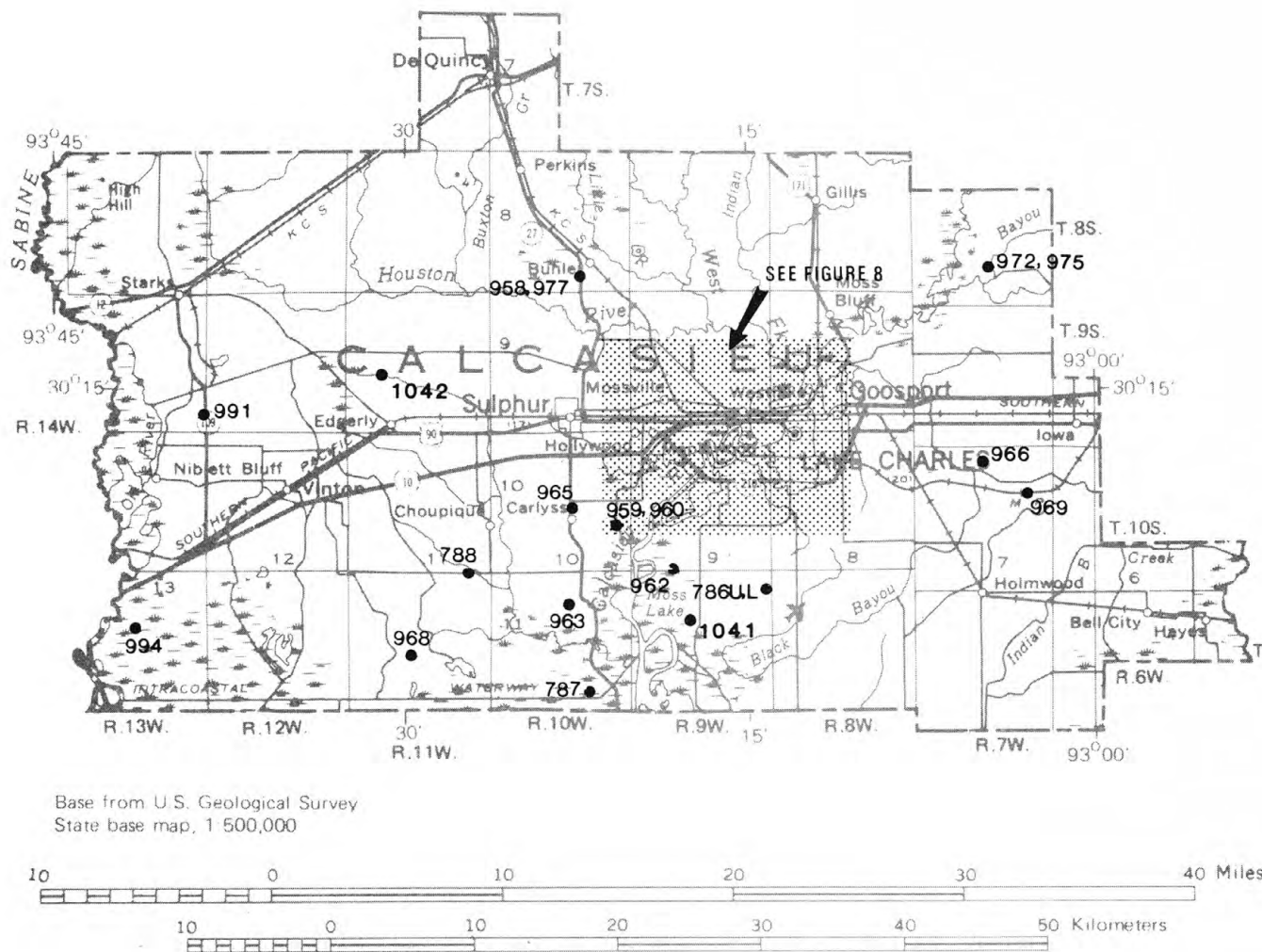


Figure 7.--Location of observation wells in Calcasieu Parish, except for wells located in the shaded area (see fig.8).

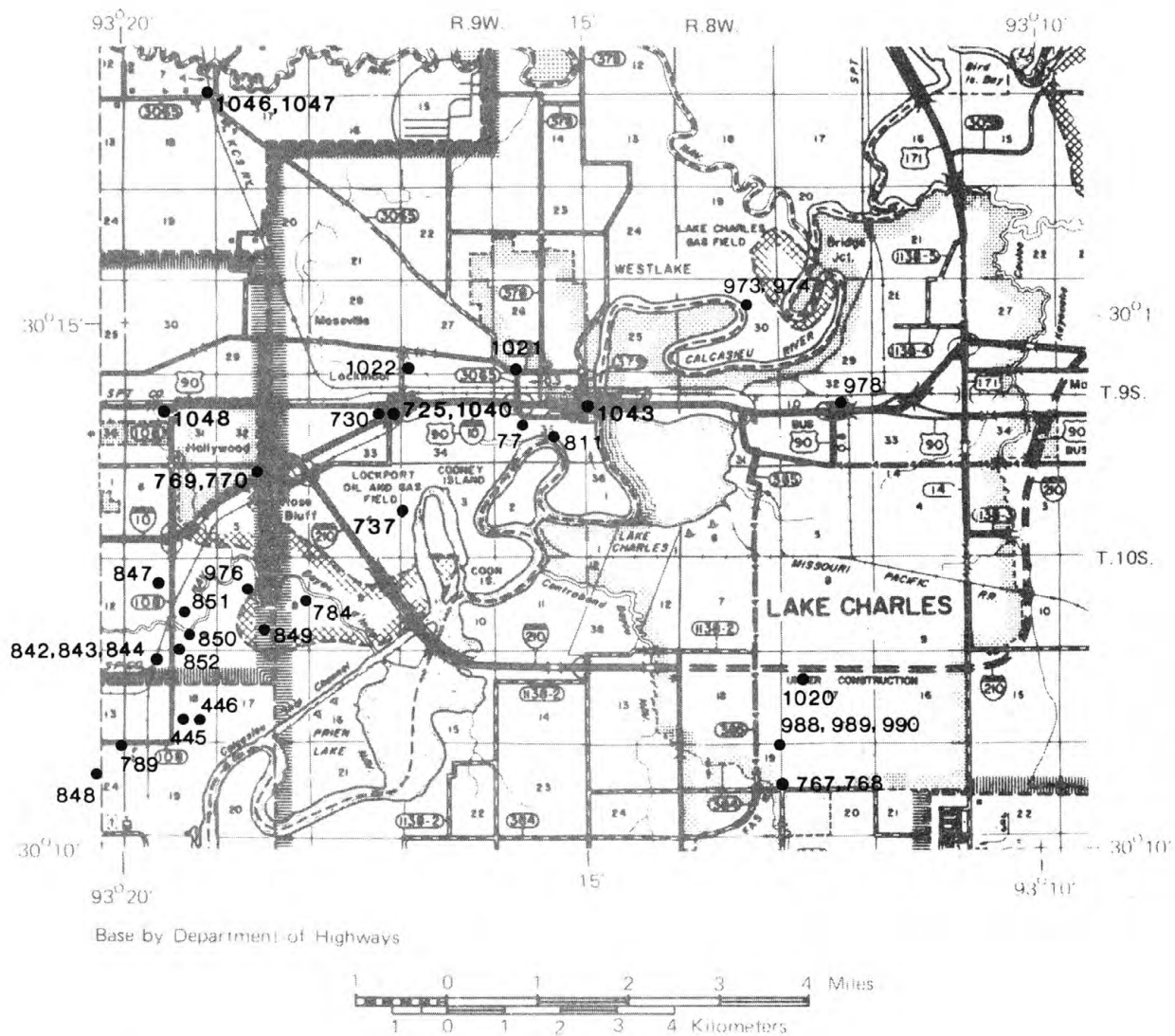


Figure 8.--Location of observation wells in shaded area shown in figure 7, Calcasieu Parish.

WATER RESOURCES DATA FOR LOUISIANA, 1980

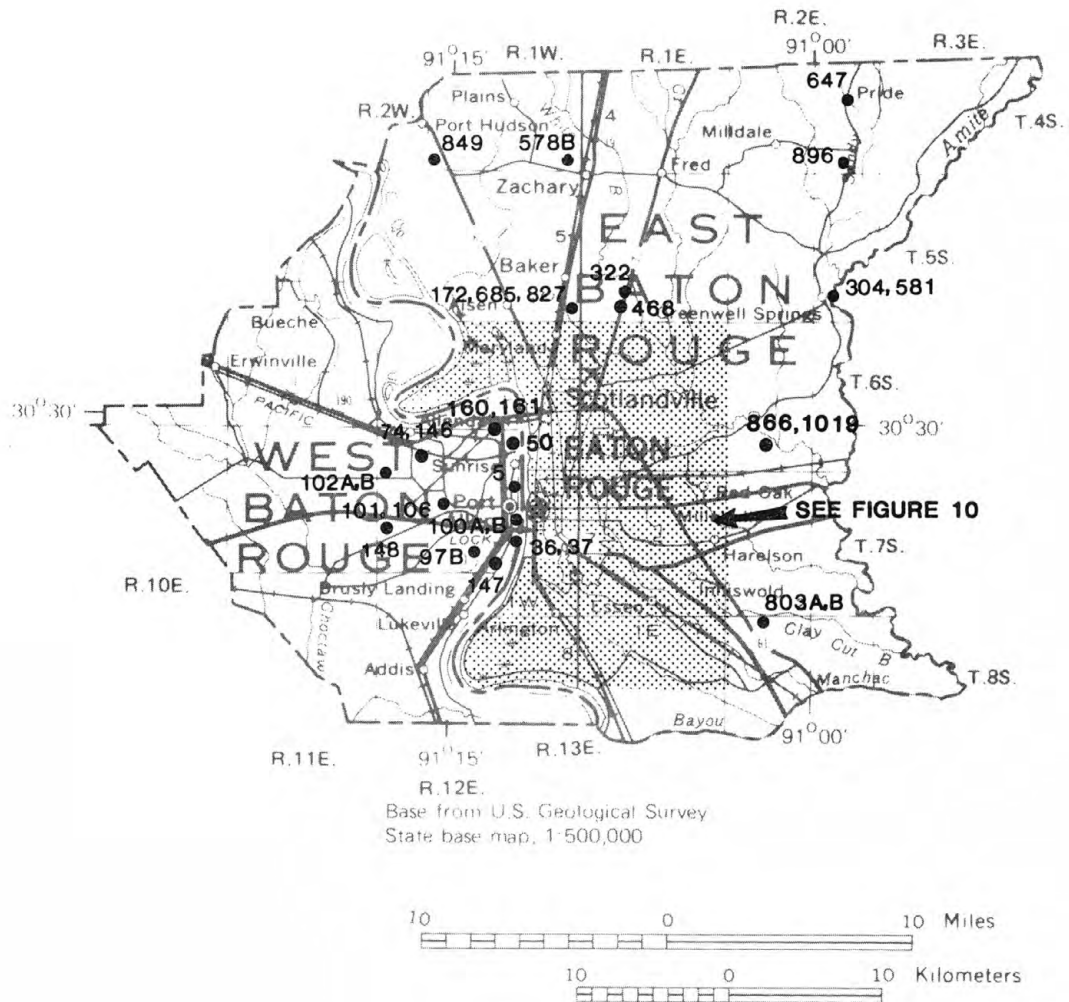
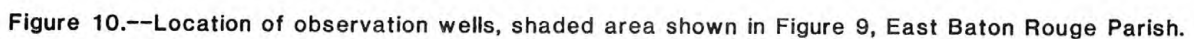


Figure 9.--Location of observation wells, East Baton Rouge and West Baton Rouge Parishes, except for wells located in the shaded area (see fig.10).



GROUND-WATER LEVELS

ACADIA PARISH

301832092234501 LOCAL WELL NUMBER: AC-326

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 6 TO 2 IN; DEPTH 202 FT, SCREENED 192-202, MP TOP OF 6-IN CASING, 1.15 FT ABOVE LSD.
 LSD 25.80 FT NGVD.
 HIGHEST WATER LEVEL 48.61 BELOW LSD, MAR. 14, 1965.
 LOWEST WATER LEVEL 83.93 BELOW LSD, JULY 5, 1969.
 RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1979	63.94H	DEC. 31, 1979	57.94	MAR. 31, 1980	58.69	JUNE 30, 1980	72.57
OCT. 5	63.30	JAN. 5, 1980	57.43	APR. 5	58.50	JULY 5	77.02
OCT. 10	62.89	JAN. 10	56.89	APR. 10	60.87	JULY 10	76.12
OCT. 15	62.13	JAN. 15	56.56	APR. 15	60.11	JULY 15	75.46
OCT. 20	62.49	JAN. 20	55.87	APR. 16	60.78H	JULY 20	76.28
OCT. 25	60.50	JAN. 23	54.94H	APR. 20	61.99	JULY 23	75.74H
OCT. 31	59.37	JAN. 25	55.13	APR. 25	63.94	JULY 25	73.92
NOV. 5	63.06	JAN. 31	54.78	APR. 30	64.40	JULY 31	72.92
NOV. 8	62.40H	FEB. 5	54.60	MAY 5	64.72	AUG. 5	71.60
NOV. 10	62.27	FEB. 10	54.29	MAY 10	66.68	AUG. 10	70.04
NOV. 15	62.13	FEB. 15	54.17	MAY 15	65.99	AUG. 15	69.90
NOV. 20	61.32	FEB. 20	53.68	MAY 20	63.89	AUG. 20	70.32
NOV. 25	60.32	FEB. 21	53.59H	MAY 23	63.54H	AUG. 25	69.39
NOV. 26	60.22H	FEB. 25	53.51	MAY 25	65.29	AUG. 31	68.40
NOV. 30	60.60	FEB. 29	54.59	MAY 31	67.27	SEP. 5	68.87
DEC. 5	59.90	MAR. 5	53.60	JUNE 5	68.61	SEP. 10	68.34
DEC. 10	59.78	MAR. 10	53.54	JUNE 10	71.79	SEP. 15	67.72
DEC. 15	59.25	MAR. 15	56.48	JUNE 15	72.74	SEP. 20	69.44
DEC. 20	58.86	MAR. 19	56.67H	JUNE 20	75.91	SEP. 24	68.28H
DEC. 25	58.62	MAR. 20	60.90	JUNE 24	73.43H	SEP. 25	68.12
DEC. 27	58.40H	MAR. 25	61.23	JUNE 25	72.96	SEP. 30	66.97

ASCENSION PARISH

301411090550501 LOCAL WELL NUMBER: AN-2

OWNER: CITY OF GONZALES. (SEC. 28, T. 9S., R. 3E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN; REPORTED DEPTH 590 FT, SCREENED 550-590, MP TOP EDGE OF 2-IN COLLAR, 0.57 FT ABOVE LSD.
 LSD 8.14 FT NGVD.
 HIGHEST WATER LEVEL 5.98 ABOVE LSD, MAY 10, 1962.
 LOWEST WATER LEVEL 5.73 BELOW LSD, FEB. 28, 1977.
 RECORDS AVAILABLE 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1979	2.34	JAN. 29, 1980	0.76	MAY 8, 1980	2.10	JULY 14, 1980	1.35

302008090541601 LOCAL WELL NUMBER: AN-16

OWNER: ROGER M. FRITCHIE. (SEC. 20, T. 8S., R. 3E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND OF PLEISTOCENE AGE, DIAM 2 IN; DEPTH 1693 FT, SCREENED 1663-1693, MP TOP OF 2-IN CROSS, 0.90 FT ABOVE LSD.
 LSD 15.00 FT NGVD.
 HIGHEST WATER LEVEL 45.73 ABOVE LSD, DEC. 8, 1954, FEB. 28, 1955, APR. 28, 1955.
 LOWEST WATER LEVEL 2.13 ABOVE LSD, APR. 14, 1978.
 RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1979	4.04	MAY 8, 1980	3.62				

See footnotes at end of table.

301405093153501 LOCAL WELL NUMBER: CU-77

OWNER: OLIN CORPORATION. (SEC. 35, T. 9S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 13 TO 6 IN, REPORTED DEPTH 512 FT, SCREENED 448-512. MP TOP OF CASING, 7.63 FT ABOVE LSD.
 LSD 9.61 FT NGVD.
 HIGHEST WATER LEVEL 82.11 BELOW LSD, FEB. 14, 1956,
 LOWEST WATER LEVEL 170.60 BELOW LSD, AUG. 30, 1974.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1979	133.55H	FEB. 15, 1980	132.55	APR. 20, 1980	129.97	JULY 20, 1980	145.63
OCT. 5	133.62	FEB. 20	130.70	APR. 25	130.00	JULY 23	144.55H
OCT. 10	133.40	FEB. 21	131.70H	APR. 30	130.60	JULY 25	136.80
OCT. 15	133.10	FEB. 22	131.47H	MAY 5	129.00	JULY 31	135.70
OCT. 19	133.92H	FEB. 25	132.75	MAY 10	129.45	AUG. 5	136.00
OCT. 20	133.70	FEB. 29	133.00	MAY 15	128.85	AUG. 10	135.50
NOV. 26	134.35H	MAR. 5	132.45	MAY 20	120.75	AUG. 15	147.62
NOV. 30	133.85	MAR. 10	132.34	MAY 25	122.98	AUG. 20	148.70
DEC. 5	133.55	MAR. 15	133.35	MAY 28	123.80H	AUG. 25	149.20
DEC. 10	133.45	MAR. 20	132.60	JUNE 19	131.59H	AUG. 31	148.12
DEC. 21	133.15H	MAR. 25	133.21	JUNE 20	132.52	SEP. 5	146.67
JAN. 23, 1980	131.07H	MAR. 31	132.37	JUNE 25	133.23	SEP. 10	145.69
JAN. 25	130.20	APR. 5	131.95	JUNE 30	131.50	SEP. 15	131.15
JAN. 31	130.75	APR. 10	133.04	JULY 5	134.13	SEP. 20	130.32
FEB. 5	132.12	APR. 15	132.25	JULY 10	134.81	SEP. 25	127.77
FEB. 10	133.00	APR. 17	132.07H	JULY 15	137.88	SEP. 30	129.78

301115093191501 LOCAL WELL NUMBER: CU-445

OWNER: CITIES SERVICE OIL CO. (SEC. 18, T. 10S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN, DEPTH 540 FT, SCREENED 460-540, MP TOP OF RECORDER SHELTER FLOOR, 2.00 FT ABOVE LSD.
 LSD 12.26 FT NGVD.
 HIGHEST WATER LEVEL 30.96 BELOW LSD, APR. 20, 1947,
 LOWEST WATER LEVEL 177.75 BELOW LSD, AUG. 23, 1973.
 RECORDS AVAILABLE 1945-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1979	159.13H	DEC. 31, 1979	155.13	APR. 5, 1980	152.91	JUNE 30, 1980	157.22
OCT. 5	161.04	JAN. 5, 1980	153.90	APR. 10	152.90	JULY 5	156.22
OCT. 10	159.92	JAN. 10	152.69	APR. 15	152.32	JULY 10	156.79
OCT. 15	159.94	JAN. 15	153.09	APR. 17	152.41H	JULY 15	158.45
OCT. 20	158.85	JAN. 20	152.99	APR. 20	153.53	JULY 20	157.85
OCT. 25	159.65	JAN. 25	151.81	APR. 25	152.45	JULY 23	157.99H
OCT. 31	158.27	JAN. 31	152.02	APR. 30	151.48	JULY 25	159.16
NOV. 5	157.15	FEB. 5	153.38	MAY 5	151.75	JULY 31	158.45
NOV. 10	156.41	FEB. 10	152.81	MAY 10	151.55	AUG. 5	158.23
NOV. 15	156.70	FEB. 15	152.88	MAY 15	151.59	AUG. 10	158.06
NOV. 20	157.59	FEB. 20	151.30	MAY 20	154.60	AUG. 15	161.25
NOV. 25	155.40	FEB. 21	151.32H	MAY 25	154.83	AUG. 20	159.70
NOV. 26	155.06H	FEB. 25	154.78	MAY 28	153.58H	AUG. 25	161.70H
NOV. 30	154.07	FEB. 29	153.10	MAY 31	154.10	AUG. 31	159.55
DEC. 5	155.25	MAR. 5	153.73	JUNE 5	154.14	SEP. 5	162.48
DEC. 10	154.73	MAR. 10	153.38	JUNE 10	155.19	SEP. 10	162.71
DEC. 15	154.30	MAR. 15	152.86	JUNE 15	156.65	SEP. 15	161.72
DEC. 20	156.18	MAR. 20	152.28	JUNE 19	157.11H	SEP. 20	160.79
DEC. 21	156.30H	MAR. 25	152.56H	JUNE 20	157.69	SEP. 25	158.22
DEC. 25	155.20	MAR. 31	152.93	JUNE 25	157.62	SEP. 30	158.08

See footnotes at end of table.

GROUND-WATER LEVELS

CALCASIEU PARISH

301115093191001 LOCAL WELL NUMBER: CU-446

OWNER: CITIES SERVICE OIL CO. (SEC. 18, T. 10S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN, REPORTED DEPTH 738 FT, SCREENED 658-738, MP TOP OF RECORDER SHELTER FLOOR, 1.89 FT ABOVE LSD.
 LSD 12.40 FT NGVD.
 HIGHEST WATER LEVEL 22.80 BELOW LSD, APR. 27, 1946,
 LOWEST WATER LEVEL 129.80 BELOW LSD, AUG. 5, 1974.
 RECORDS AVAILABLE 1945-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1979	117.78H	DEC. 31, 1979	112.99	APR. 5, 1980	110.67	JUNE 30, 1980	117.48
OCT. 5	117.77	JAN. 5, 1980	112.70	APR. 10	110.68	JULY 5	117.86
OCT. 10	117.71	JAN. 10	111.95	APR. 15	110.73	JULY 10	118.42
OCT. 15	117.42	JAN. 15	111.67	APR. 17	110.67H	JULY 15	119.29
OCT. 20	117.33	JAN. 20	111.55	APR. 20	110.77	JULY 20	119.96
OCT. 25	117.18	JAN. 25	111.20	APR. 25	110.86	JULY 23	119.87H
OCT. 31	116.40	JAN. 31	110.89	APR. 30	110.90	JULY 25	120.08
NOV. 5	115.89	FEB. 5	110.73	MAY 5	111.15	JULY 31	120.12
NOV. 10	115.26	FEB. 10	110.85	MAY 10	111.14	AUG. 5	119.89
NOV. 15	114.81	FEB. 15	110.60	MAY 15	111.52	AUG. 10	119.53
NOV. 20	114.44	FEB. 20	110.24	MAY 20	111.28	AUG. 15	119.69
NOV. 25	113.60	FEB. 21	110.25H	MAY 25	111.92	AUG. 20	120.13
NOV. 26	113.61H	FEB. 25	111.12	MAY 28	111.96H	AUG. 25	120.58H
NOV. 30	113.69	FEB. 29	110.80	MAY 31	112.24	AUG. 31	120.12
DEC. 5	113.32	MAR. 5	111.03	JUNE 5	112.98	SEP. 5	120.13
DEC. 10	113.30	MAR. 10	110.98	JUNE 10	113.91	SEP. 10	120.20
DEC. 15	113.04	MAR. 15	110.99	JUNE 15	114.80	SEP. 15	120.31
DEC. 20	113.14	MAR. 20	110.52	JUNE 19	115.81H	SEP. 20	120.13
DEC. 21	113.16H	MAR. 25	110.77H	JUNE 20	116.06	SEP. 25	119.51
DEC. 25	113.43	MAR. 31	110.39	JUNE 25	116.93	SEP. 30	118.82

301404093170501 LOCAL WELL NUMBER: CU-725

OWNER: U. S. GEOL. SURVEY. (SEC. 33, T. 9S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 640 FT, SCREENED 630-640, MP TOP OF 2-IN CASING, 2.00 FT ABOVE LSD.
 LSD 17.50 FT NGVD.
 HIGHEST WATER LEVEL 98.10 BELOW LSD, MAR. 2, 1962,
 LOWEST WATER LEVEL 147.59 BELOW LSD, MAY 19, 1978.
 RECORDS AVAILABLE 1961-72, 1975-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 20, 1979	138.67						

301405093171006 LOCAL WELL NUMBER: CU-730

OWNER: U. S. GEOL. SURVEY. (SEC. 33, T. 9S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 165 FT, SCREENED 155-165, MP TOP OF 2-IN PIPE, 1.60 FT ABOVE LSD.
 LSD 17.67 FT NGVD.
 HIGHEST WATER LEVEL 54.64 BELOW LSD, MAR. 29, 1963,
 LOWEST WATER LEVEL 85.66 BELOW LSD, AUG. 5, 1974.
 RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 19, 1979	75.64	JAN. 23, 1980	73.00	APR. 17, 1980	71.65	JULY 23, 1980	74.76
NOV. 26	73.99	FEB. 21	72.42	MAY 28	72.13	AUG. 25	75.68
DEC. 20	73.93	MAR. 25	75.03	JUNE 19	82.90	SEP. 25	76.24

301314093165501 LOCAL WELL NUMBER: CU-737

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 700 FT, SCREENED 690-700, MP TOP OF 1-IN CASING, 3.35 FT ABOVE LSD.
 LSD 6.89 FT NGVD.
 HIGHEST WATER LEVEL 87.66 BELOW LSD, APR. 2, 1962,
 LOWEST WATER LEVEL 145.17 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 26, 1979	128.69	FEB. 21, 1980	127.46	MAY 28, 1980	132.58	JULY 23, 1980	136.73
DEC. 20	130.86	MAR. 25	128.14	JUNE 19	131.43	AUG. 25	138.33
JAN. 23, 1980	127.96	APR. 17	128.89				

See footnotes at end of table.

301036093124401 LOCAL WELL NUMBER: CU-767

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 10S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 850 FT, SCREENED 840-850. MP TOP OF 2-IN CASING, 1.99 FT ABOVE LSD.
 LSD 11.42 FT NGVD.
 HIGHEST WATER LEVEL 63.26 BELOW LSD, MAR. 29, 1963,
 LOWEST WATER LEVEL 105.98 BELOW LSD, SEP. 30, 1974.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 26, 1979	90.82	FEB. 25, 1980	87.73	MAY 28, 1980	91.53	AUG. 25, 1980	98.92
DEC. 17	90.14	MAR. 25	87.40	JUNE 18	97.12	SEP. 25	100.72
JAN. 23, 1980	88.70	APR. 16	87.37	JULY 21	102.65		

301036093124402 LOCAL WELL NUMBER: CU-768

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 10S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 306 FT, SCREENED 296-306. MP TOP OF 2-IN CASING, 2.40 FT ABOVE LSD.
 LSD 11.53 FT NGVD.
 HIGHEST WATER LEVEL 53.00 BELOW LSD, MAR. 29, 1963,
 LOWEST WATER LEVEL 89.59 BELOW LSD, FEB. 28, 1973.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 26, 1979	76.03	FEB. 25, 1980	73.10	MAY 28, 1980	73.99	AUG. 25, 1980	80.31
DEC. 17	75.24	MAR. 25	72.46	JUNE 18	76.75	SEP. 25	79.73
JAN. 23, 1980	73.94	APR. 16	72.09	JULY 21	80.70		

301336093183001 LOCAL WELL NUMBER: CU-769

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 642 FT, SCREENED 632-642. MP TOP OF 2-IN CASING, 2.00 FT ABOVE LSD.
 LSD 17.62 FT NGVD.
 HIGHEST WATER LEVEL 91.56 BELOW LSD, MAR. 28, 1963,
 LOWEST WATER LEVEL 146.44 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1963-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1979	130.50						

301336093183003 LOCAL WELL NUMBER: CU-770

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 490 FT, SCREENED 480-490. MP TOP OF 2-IN CASING, 2.13 FT ABOVE LSD.
 LSD 17.54 FT NGVD.
 HIGHEST WATER LEVEL 91.77 BELOW LSD, MAR. 28, 1963,
 LOWEST WATER LEVEL 146.72 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1963-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1979	130.22						

301218093175803 LOCAL WELL NUMBER: CU-784

OWNER: U. S. GEOL. SURVEY. (SEC. 9, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN, DEPTH 532 FT, SCREENED 522-532. MP TOP OF 2-IN PLASTIC PIPE, 2.00 FT ABOVE LSD.
 LSD 10.78 FT NGVD.
 HIGHEST WATER LEVEL 89.65 BELOW LSD, APR. 8, 1964,
 LOWEST WATER LEVEL 144.88 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1964-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1979	126.29						

GROUND-WATER LEVELS

CALCASIEU PARISH

300820093131903 LOCAL WELL NUMBER: CU-786U

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 11S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 840 FT, SCREENED 830-840, MP TOP OF 4-IN CASING, 2.63 FT ABOVE LSD.
 LSD 13.25 FT NGVD.
 HIGHEST WATER LEVEL 62.19 BELOW LSD, APR. 14, 1965.
 LOWEST WATER LEVEL 104.48 BELOW LSD, JULY 21, 1971.
 RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 13, 1980	82.09						

300820093131904 LOCAL WELL NUMBER: CU-786L

OWNER: U. S. GEOL. SURVEY. (SEC. 6, T. 11S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 880 FT, SCREENED 870-880, MP TOP OF 4-IN CASING, 2.63 FT ABOVE LSD.
 LSD 13.25 FT NGVD.
 HIGHEST WATER LEVEL 62.32 BELOW LSD, APR. 14, 1965.
 LOWEST WATER LEVEL 100.71 BELOW LSD, JULY 30, 1973.
 RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 13, 1980	82.25						

300353093210201 LOCAL WELL NUMBER: CU-787

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 11S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 734 FT, SCREENED 729-734, MP TOP OF 2-IN CASING, 4.00 FT ABOVE LSD.
 LSD 4.33 FT NGVD.
 HIGHEST WATER LEVEL 46.98 BELOW LSD, APR. 13, 1965.
 LOWEST WATER LEVEL 78.58 BELOW LSD, AUG. 2, 1972.
 RECORDS AVAILABLE 1964-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1979	68.40						

300825093260801 LOCAL WELL NUMBER: CU-788

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 10S., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 805 FT, SCREENED 800-805, MP TOP OF 2-IN CASING, 2.00 FT ABOVE LSD.
 LSD 6.11 FT NGVD.
 HIGHEST WATER LEVEL 47.61 BELOW LSD, APR. 12, 1965.
 LOWEST WATER LEVEL 77.82 BELOW LSD, AUG. 2, 1972.
 RECORDS AVAILABLE 1964-75, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 13, 1980	66.61						

301100093200001 LOCAL WELL NUMBER: CU-789

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 640 FT, SCREENED 635-640, MP TOP OF 2-IN CASING, 2.00 FT ABOVE LSD.
 LSD 18.42 FT NGVD.
 HIGHEST WATER LEVEL 86.31 BELOW LSD, APR. 12, 1965.
 LOWEST WATER LEVEL 131.68 BELOW LSD, AUG. 2, 1972.
 RECORDS AVAILABLE 1964-75, 1977-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 7, 1979	113.47						

300812093165802 LOCAL WELL NUMBER: CU-811

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 11S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 923 FT, SCREENED 912-923, MP TOP OF 2-IN CASING, 1.65 FT ABOVE LSD.
 LSD 11.00 FT NGVD.
 HIGHEST WATER LEVEL 90.44 BELOW LSD, MAR. 5, 1979.
 LOWEST WATER LEVEL 99.85 BELOW LSD, SEP. 8, 1975.
 RECORDS AVAILABLE 1974-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1979	90.72						

301148093193201 LOCAL WELL NUMBER: CU-842

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 18, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 575 FT, SCREENED 572-575, MP TOP OF CASING, 1.75 FT BELOW LSD (SINCE 2/4/80).
 LSD 12.00 FT NGVD.
 HIGHEST WATER LEVEL 141.67 BELOW LSD, FEB. 25, 1976.
 LOWEST WATER LEVEL 160.98 BELOW LSD, SEP. 10, 1973.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1979	144.05	AUG. 4, 1980	148.02				

301148093193202 LOCAL WELL NUMBER: CU-843

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 18, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 205 FT, SCREENED 200-205, MP TOP OF CASING, 0.87 FT BELOW LSD (SINCE 2/4/80).
 LSD 12.00 FT NGVD.
 HIGHEST WATER LEVEL 65.92 BELOW LSD, FEB. 25, 1976.
 LOWEST WATER LEVEL 73.05 BELOW LSD, SEP. 10, 1974.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1979	68.51	AUG. 4, 1980	68.63				

301148093193203 LOCAL WELL NUMBER: CU-844

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 18, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 430 FT, SCREENED 425-430, MP TOP OF 2-IN PIPE, 0.68 FT BELOW LSD (SINCE 2/4/80).
 LSD 12.00 FT NGVD.
 HIGHEST WATER LEVEL 139.58 BELOW LSD, MAR. 19, 1975.
 LOWEST WATER LEVEL 162.39 BELOW LSD, AUG. 1, 1974.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1979	143.20	AUG. 4, 1980	147.14				

301230093193202 LOCAL WELL NUMBER: CU-847

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 7, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 522 FT, SCREENED 517-522, MP TOP OF 2-IN PIPE, 1.93 FT ABOVE LSD.
 LSD 13.00 FT NGVD.
 HIGHEST WATER LEVEL 122.88 BELOW LSD, JAN. 11, 1980.
 LOWEST WATER LEVEL 140.65 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 11, 1980	122.88						

GROUND-WATER LEVELS

CALCASIEU PARISH

301043093201601 LOCAL WELL NUMBER: CU-848

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 24, T. 10S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 542 FT, SCREENED 537-542, MP TOP OF 2-IN CASING, 1.00 FT ABOVE LSD.
 LSD 15.00 FT NGVD.
 HIGHEST WATER LEVEL 146.16 BELOW LSD, FEB. 28, 1975,
 LOWEST WATER LEVEL 166.65 BELOW LSD, AUG. 1, 1974.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 15, 1980	147.00	AUG. 7	152.30				

301205093182501 LOCAL WELL NUMBER: CU-849

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 8, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 564 FT, SCREENED 559-564, MP TOP OF 2-IN CASING, 1.42 FT ABOVE LSD.
 LSD 10.00 FT NGVD.
 HIGHEST WATER LEVEL 124.54 BELOW LSD, MAR. 12, 1976,
 LOWEST WATER LEVEL 162.33 BELOW LSD, OCT. 17, 1973.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
AUG. 8, 1980	132.13						

301200093191901 LOCAL WELL NUMBER: CU-850

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 7, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 548 FT, SCREENED 543-548, MP TOP OF 2-IN CASING, 1.25 FT ABOVE LSD.
 LSD 10.00 FT NGVD.
 HIGHEST WATER LEVEL 127.63 BELOW LSD, FEB. 8, 1980,
 LOWEST WATER LEVEL 148.75 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 8, 1980	127.63	AUG. 6	135.70				

301213093191701 LOCAL WELL NUMBER: CU-851

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 7, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 554 FT, SCREENED 549-554, MP TOP OF 2-IN CASING, 1.16 FT ABOVE LSD.
 LSD 10.00 FT NGVD.
 HIGHEST WATER LEVEL 121.97 BELOW LSD, MAR. 5, 1973,
 LOWEST WATER LEVEL 145.67 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 8, 1980	125.47	AUG. 6	133.85				

301153093192101 LOCAL WELL NUMBER: CU-852

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 7, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 560 FT, SCREENED 555-560, MP TOP OF 2-IN CASING, 4.40 FT ABOVE LSD.
 LSD 11.00 FT NGVD.
 HIGHEST WATER LEVEL 104.11 BELOW LSD, MAR. 18, 1973,
 LOWEST WATER LEVEL 154.60 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 12, 1980	133.12	AUG. 6	139.90				

301944093170401 LOCAL WELL NUMBER: CU-958

OWNER: U. S. GEOL. SURVEY. (SEC. 35, T. 8S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 707 FT, SCREENED 702-707. MP TOP OF 2-IN CASING, 3.00 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 65.07 BELOW LSD, NOV. 28, 1979.
 LOWEST WATER LEVEL 73.68 BELOW LSD, AUG. 1, 1974.
 RECORDS AVAILABLE 1974-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 28, 1979	65.07						

301031093204901 LOCAL WELL NUMBER: CU-959

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 10S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 733 FT, SCREENED 727-733. MP TOP OF 2-IN CASING, 2.85 FT ABOVE LSD.
 LSD 21.00 FT NGVD.
 HIGHEST WATER LEVEL 111.51 BELOW LSD, JAN. 14, 1980.
 LOWEST WATER LEVEL 128.70 BELOW LSD, AUG. 1, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 14, 1980	111.51	AUG. 5	119.50				

301031093204902 LOCAL WELL NUMBER: CU-960

OWNER: U. S. GEOL. SURVEY. (SEC. 24, T. 10S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 598 FT, SCREENED 592-598. MP TOP OF 2-IN CASING, 2.86 FT ABOVE LSD.
 LSD 21.00 FT NGVD.
 HIGHEST WATER LEVEL 117.93 BELOW LSD, APR. 16, 1975.
 LOWEST WATER LEVEL 134.18 BELOW LSD, AUG. 1, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 27, 1979	117.97	AUG. 5, 1980	124.08				

300812093165801 LOCAL WELL NUMBER: CU-962

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 11S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 287 FT, SCREENED 281-287. MP TOP OF 2-IN CASING, 1.70 FT ABOVE LSD.
 LSD 11.00 FT NGVD.
 HIGHEST WATER LEVEL 52.97 BELOW LSD, MAR. 4, 1976.
 LOWEST WATER LEVEL 55.22 BELOW LSD, NOV. 4, 1974.
 RECORDS AVAILABLE 1974-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1979	54.98						

300718093220001 LOCAL WELL NUMBER: CU-963

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 11S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 399 FT, SCREENED 393-399. MP TOP OF 2-IN CASING, 1.60 FT ABOVE LSD.
 LSD 10.00 FT NGVD.
 HIGHEST WATER LEVEL 81.52 BELOW LSD, FEB. 26, 1980.
 LOWEST WATER LEVEL 96.77 BELOW LSD, AUG. 1, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 26, 1980	81.52						

GROUND-WATER LEVELS

CALCASIEU PARISH

301013093231201 LOCAL WELL NUMBER: CU-965

OWNER: U. S. GEOL. SURVEY. (SEC. 21, T. 10S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 270 FT, SCREENED 264-270. MP TOP OF 2-IN CASING, AT LSD.
 LSD 15.00 FT NGVD.
 HIGHEST WATER LEVEL 59.95 BELOW LSD, AUG. 29, 1974,
 LOWEST WATER LEVEL 74.74 BELOW LSD, JUNE 12, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 22, 1980	63.85						

301350093045001 LOCAL WELL NUMBER: CU-966

OWNER: U. S. GEOL. SURVEY. (SEC. 33, T. 9S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 235 FT, SCREENED 229-235. MP TOP OF 2-IN CASING, 1.40 FT ABOVE LSD.
 LSD 18.00 FT NGVD.
 HIGHEST WATER LEVEL 51.01 BELOW LSD, MAR. 1, 1978,
 LOWEST WATER LEVEL 71.45 BELOW LSD, JUNE 19, 1975.
 RECORDS AVAILABLE 1974-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 5, 1979	56.44						

300557093250401 LOCAL WELL NUMBER: CU-968

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 11S., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 276 FT, SCREENED 270-276. MP TOP OF 2-IN CASING, 1.30 FT ABOVE LSD.
 LSD 10.00 FT NGVD.
 HIGHEST WATER LEVEL 47.57 BELOW LSD, FEB. 22, 1980,
 LOWEST WATER LEVEL 53.61 BELOW LSD, JUNE 18, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 22, 1980	47.57						

301117093021601 LOCAL WELL NUMBER: CU-969

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 10S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 190 FT, SCREENED 184-190. MP TOP OF 2-IN CASING, 1.53 FT ABOVE LSD.
 LSD 21.00 FT NGVD.
 HIGHEST WATER LEVEL 52.78 BELOW LSD, MAR. 1, 1978,
 LOWEST WATER LEVEL 84.33 BELOW LSD, JULY 19, 1974.
 RECORDS AVAILABLE 1974-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 5, 1979	57.89						

301941093035601 LOCAL WELL NUMBER: CU-972

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 8S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 595 FT, SCREENED 585-595. MP TOP OF 2-IN CASING, 1.65 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 45.60 BELOW LSD, FEB. 20, 1976, MAR. 9, 1977,
 LOWEST WATER LEVEL 51.03 BELOW LSD, JUNE 25, 1975.
 RECORDS AVAILABLE 1974-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1979	48.02						

301601093130601 LOCAL WELL NUMBER: CU-973

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 9S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 661 FT, SCREENED 651-661, MP TOP OF 2-IN CASING, 4.22 FT ABOVE LSD.
 LSD 5.00 FT NGVD.
 HIGHEST WATER LEVEL 81.61 BELOW LSD, MAR. 18, 1977,
 LOWEST WATER LEVEL 93.05 BELOW LSD, AUG. 18, 1975.
 RECORDS AVAILABLE 1974-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 28, 1979	85.82						

301601093130602 LOCAL WELL NUMBER: CU-974

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 9S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 466 FT, SCREENED 456-466, MP TOP OF 2-IN CASING, 4.00 FT ABOVE LSD.
 LSD 5.00 FT NGVD.
 HIGHEST WATER LEVEL 82.68 BELOW LSD, FEB. 20, 1976,
 LOWEST WATER LEVEL 92.83 BELOW LSD, AUG. 18, 1975.
 RECORDS AVAILABLE 1974-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 28, 1979	85.39						

301941093035602 LOCAL WELL NUMBER: CU-975

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 8S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 237 FT, SCREENED 231-237, MP TOP OF 2-IN CASING, 1.80 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 38.77 BELOW LSD, MAR. 3, 1978,
 LOWEST WATER LEVEL 40.43 BELOW LSD, NOV. 30, 1979.
 RECORDS AVAILABLE 1975-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1979	40.43						

301129093183001 LOCAL WELL NUMBER: CU-976

OWNER: U. S. GEOL. SURVEY. (SEC. 8, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 550 FT, SCREENED 545-550, MP TOP OF 2-IN CASING, 1.25 FT ABOVE LSD.
 LSD 10.00 FT NGVD.
 HIGHEST WATER LEVEL 117.99 BELOW LSD, MAR. 12, 1976,
 LOWEST WATER LEVEL 129.07 BELOW LSD, JUNE 13, 1977.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 11, 1979	119.90	AUG. 8, 1980	125.94				

301944093170402 LOCAL WELL NUMBER: CU-977

OWNER: U. S. GEOL. SURVEY. (SEC. 35, T. 8S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 515 FT, SCREENED 510-515, MP TOP OF 2-IN CASING, 2.45 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 64.64 BELOW LSD, MAR. 4, 1976,
 LOWEST WATER LEVEL 71.87 BELOW LSD, AUG. 19, 1975.
 RECORDS AVAILABLE 1974-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 28, 1979	65.53						

GROUND-WATER LEVELS

CALCASIEU PARISH

301409093120301 LOCAL WELL NUMBER: CU-978

OWNER: LA. OFFICE PUBLIC WORKS. (SEC. 32, T. 9S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 645 FT, SCREENED 640-645, MP TOP OF 2-IN CASING, 2.75 FT ABOVE LSD.
 LSD 15.00 FT NGVD.
 HIGHEST WATER LEVEL 91.50 BELOW LSD, FEB. 20, 1976.
 LOWEST WATER LEVEL 100.35 BELOW LSD, MAY 19, 1978.
 RECORDS AVAILABLE 1974-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1979	94.15						

301059093125101 LOCAL WELL NUMBER: CU-988

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 10S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 523 FT, SCREENED 518-523, MP TOP OF CASING, 0.21 FT BELOW LSD (SINCE 7/29/80).
 LSD 14.00 FT NGVD.
 HIGHEST WATER LEVEL 93.94 BELOW LSD, APR. 16, 1980.
 LOWEST WATER LEVEL 113.62 BELOW LSD, JULY 19, 1978.
 RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 23, 1980	96.30	MAY 28, 1980	99.25	JULY 21, 1980	109.96	AUG. 25, 1980	107.15
FEB. 28	94.98	JUNE 18	104.66	JULY 29	108.30	SEP. 25	104.61
APR. 16	93.94						

301059093125102 LOCAL WELL NUMBER: CU-989

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 10S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 330 FT, SCREENED 325-330, MP TOP OF CASING, 0.20 FT BELOW LSD (SINCE 7/30/80).
 LSD 14.00 FT NGVD.
 HIGHEST WATER LEVEL 75.02 BELOW LSD, JAN. 24, 1977.
 LOWEST WATER LEVEL 88.50 BELOW LSD, JULY 19, 1978.
 RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 23, 1980	78.77	MAY 28, 1980	78.80	JULY 21, 1980	85.66	AUG. 25, 1980	85.52
FEB. 28	77.67	JUNE 18	81.70	JULY 30	85.92	SEP. 25	84.78
APR. 16	76.91						

301059093125103 LOCAL WELL NUMBER: CU-990

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 10S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 183 FT, SCREENED 178-183, MP TOP OF CASING, 0.36 FT BELOW LSD (SINCE 7/31/80).
 LSD 14.00 FT NGVD.
 HIGHEST WATER LEVEL 66.18 BELOW LSD, APR. 22, 1976.
 LOWEST WATER LEVEL 73.83 BELOW LSD, AUG. 16, 1978.
 RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 23, 1980	68.48	MAY 28, 1980	67.74	JULY 21, 1980	72.33	AUG. 25, 1980	73.25
FEB. 28	67.67	JUNE 18	69.50	JULY 31	72.82	SEP. 25	73.14
APR. 16	66.85						

301436093335101 LOCAL WELL NUMBER: CU-991

OWNER: U. S. GEOL. SURVEY. (SEC. 30, T. 9S., R. 12W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 315 FT, SCREENED 310-315, MP TOP OF 2-IN CASING, 1.80 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 42.15 BELOW LSD, FEB. 21, 1980.
 LOWEST WATER LEVEL 48.00 BELOW LSD, FEB. 12, 1976.
 RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 21, 1980	42.15	AUG. 28	47.38				

300634093400401 LOCAL WELL NUMBER: CU-994

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 11S., R. 13W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 757 FT, SCREENED 752-757. MP TOP OF CASING, 2.90 FT ABOVE LSD.
 LSD 5.00 FT NGVD.
 HIGHEST WATER LEVEL 51.96 BELOW LSD, FEB. 7, 1980,
 LOWEST WATER LEVEL 53.84 BELOW LSD, FEB. 28, 1979.
 RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 7, 1980	51.96						

301141093123501 LOCAL WELL NUMBER: CU-1020

OWNER: U. S. GEOL. SURVEY. (SEC. 17, T. 10S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 375 FT, SCREENED 367-375. MP TOP OF CASING, 1.90 FT ABOVE LSD.
 LSD 18.00 FT NGVD.
 HIGHEST WATER LEVEL 96.78 BELOW LSD, FEB. 27, 1980,
 LOWEST WATER LEVEL 114.27 BELOW LSD, JULY 7, 1978.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 27, 1980	96.78						

301435093154601 LOCAL WELL NUMBER: CU-1021

OWNER: U. S. GEOL. SURVEY. (SEC. 26, T. 9S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 487 FT, SCREENED 477-487. MP TOP OF CASING, 1.75 FT ABOVE LSD.
 LSD 12.00 FT NGVD.
 HIGHEST WATER LEVEL 118.55 BELOW LSD, JAN. 11, 1980,
 LOWEST WATER LEVEL 133.57 BELOW LSD, JULY 19, 1978.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 11, 1980	118.55						

301444093162901 LOCAL WELL NUMBER: CU-1022

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 9S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 618 FT, SCREENED 608-618. MP TOP OF CASING, 1.00 FT ABOVE LSD.
 LSD 11.00 FT NGVD.
 HIGHEST WATER LEVEL 121.74 BELOW LSD, JAN. 14, 1980,
 LOWEST WATER LEVEL 137.32 BELOW LSD, AUG. 16, 1978.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 14, 1980	121.74						

301404093170507 LOCAL WELL NUMBER: CU-1040

OWNER: U. S. GEOL. SURVEY. (SEC. 33, T. 9S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 352 FT, SCREENED 342-352. MP TOP OF 2-IN PIPE, 1.50 FT ABOVE LSD.
 LSD 19.10 FT NGVD.
 HIGHEST WATER LEVEL 146.04 BELOW LSD, DEC. 20, 1979,
 LOWEST WATER LEVEL 146.04 BELOW LSD, DEC. 20, 1979.
 RECORDS AVAILABLE 1979.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 20, 1979	146.04						

GROUND-WATER LEVELS

CALCASIEU PARISH

300702093165801 LOCAL WELL NUMBER: CU-1041

OWNER: U. S. GEOL. SURVEY. (SEC. 9, T. 11S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 560 FT, SCREENED 550-560. MP TOP OF 2-IN PIPE, 1.20 FT ABOVE LSD.
 LSD 9.00 FT NGVD.
 HIGHEST WATER LEVEL 86.13 BELOW LSD, NOV. 29, 1979.
 LOWEST WATER LEVEL 88.51 BELOW LSD, OCT. 31, 1979.
 RECORDS AVAILABLE 1979.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1979	88.51	NOV. 29	86.13				

301547093301101 LOCAL WELL NUMBER: CU-1042

OWNER: U. S. GEOL. SURVEY. (SEC. 21, T. 9S., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 452 FT, SCREENED 442-452. MP TOP OF 2-IN PIPE, 1.50 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 62.84 BELOW LSD, NOV. 27, 1979.
 LOWEST WATER LEVEL 63.43 BELOW LSD, NOV. 9, 1979.
 RECORDS AVAILABLE 1979.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1979	63.43	NOV. 27	62.84				

301407093145202 LOCAL WELL NUMBER: CU-1043

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 9S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 670 FT, SCREENED 660-670. MP TOP OF 2-IN PIPE, 1.60 FT ABOVE LSD.
 LSD 10.00 FT NGVD.
 HIGHEST WATER LEVEL 111.23 BELOW LSD, JAN. 14, 1980.
 LOWEST WATER LEVEL 116.71 BELOW LSD, OCT. 31, 1979.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 31, 1979	116.71	JAN. 14, 1980	111.23				

301711093190402 LOCAL WELL NUMBER: CU-1046

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 9S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 688 FT, SCREENED 678-688. MP TOP OF CASING, AT LSD.
 LSD 17.00 FT NGVD.
 HIGHEST WATER LEVEL 89.00 BELOW LSD, JAN. 16, 1980.
 LOWEST WATER LEVEL 89.00 BELOW LSD, JAN. 16, 1980.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 16, 1980	89.00						

301711093190401 LOCAL WELL NUMBER: CU-1047

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 9S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 187 FT, SCREENED 182-187. MP TOP OF 2-IN PIPE, 1.50 FT ABOVE LSD.
 LSD 17.00 FT NGVD.
 HIGHEST WATER LEVEL 32.96 BELOW LSD, JAN. 16, 1980.
 LOWEST WATER LEVEL 32.96 BELOW LSD, JAN. 16, 1980.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JAN. 16, 1980	32.96						

CALCASIEU PARISH

301410093193301 LOCAL WELL NUMBER: CU-1048

OWNER: U. S. GEOL. SURVEY. (SEC. 31, T. 9S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 705 FT, SCREENED 695-705, MP EDGE OF METER BOX, 0.50 FT BELOW LSD.
 LSD 12.50 FT NGVD.
 HIGHEST WATER LEVEL 111.68 BELOW LSD, DEC. 19, 1979.
 LOWEST WATER LEVEL 118.64 BELOW LSD, AUG. 5, 1980.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1979	111.68	AUG. 5, 1980	118.64				

302745091092401 LOCAL WELL NUMBER: EB-90

OWNER: BATON ROUGE WATER WORKS. (SEC. 77, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 8 TO 6 TO 4 IN, REPORTED DEPTH 2,120 FT, SCREENED 2,025-2,120, MP TOP OF COLLAR, 1.90 FT ABOVE LSD.
 LSD 59.05 FT NGVD.
 HIGHEST WATER LEVEL 12.70 ABOVE LSD, FEB. 23, 1943.
 LOWEST WATER LEVEL 292.54 BELOW LSD, AUG. 31, 1973.
 RECORDS AVAILABLE 1943-45, 1947-55, 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1979	276.20	FEB. 22, 1980	273.84	JUNE 3, 1980	271.82	AUG. 11, 1980	277.71
DEC. 6	275.67	MAR. 24	271.43	JULY 10	278.58	SEP. 22	273.58
JAN. 24, 1980	274.40	MAY 6	271.68				

302657091101201 LOCAL WELL NUMBER: EB-112

OWNER: KEAN'S LAUNDRY. (SEC. 48, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 8 TO 6 TO 4 IN, REPORTED DEPTH 2,254 FT, SCREENED 2,173-2,254, MP TOP OF 1/2-IN BUSHING, AT LSD.
 LSD 57.00 FT NGVD.
 HIGHEST WATER LEVEL 74.00 ABOVE LSD, JAN. 2, 1930.
 LOWEST WATER LEVEL 301.20 BELOW LSD, JULY 26, 1973.
 RECORDS AVAILABLE 1930, 1940, 1943, 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	285.38	JAN. 22, 1980	282.03	MAY 5, 1980	283.70	JULY 11, 1980	287.06

302604091095801 LOCAL WELL NUMBER: EB-123

OWNER: BATON ROUGE RECREATION AND PARK COMMISSION. (SEC. 53, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 12 TO 8 IN, DEPTH 710 FT, SCREENED 630-710, MP TOP OF RECORDER SHELTER FLOOR, 0.81 FT ABOVE LSD.
 LSD 51.13 FT NGVD.
 HIGHEST WATER LEVEL 50.70 BELOW LSD, APR. 1, 1935.
 LOWEST WATER LEVEL 143.70 BELOW LSD, SEP. 4, 1940.
 RECORDS AVAILABLE 1935, 1939-40, 1947-49, 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	94.56	JAN. 22, 1980	75.51	MAY 5, 1980	65.54	JULY 14, 1980	82.29

302617091103602 LOCAL WELL NUMBER: EB-127

OWNER: BROWN-EAGLE ICE CO. (SEC. 49, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("SHALLOW PLEISTOCENE" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 10 TO 8 IN, DEPTH 330 FT, SCREENED 229-330, MP TOP OF RECORDER BASE, 1.73 FT BELOW LSD.
 LSD 49.56 FT NGVD.
 HIGHEST WATER LEVEL 14.66 BELOW LSD, APR. 27, 1979.
 LOWEST WATER LEVEL 53.13 BELOW LSD, OCT. 26, 1956.
 RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	45.27	JAN. 22, 1980	34.35	MAY 5, 1980	23.60	JULY 11, 1980	43.27

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

302648091102301 LOCAL WELL NUMBER: EB-128

OWNER: DIVINCENTI BROS., INC. (SEC. 74, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("800-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 6 TO 4 IN, DEPTH 970 FT, SCREENED 840-883, 916-970. MP TOP OF 6-IN CASING, AT LSD.
LSD 57.02 FT NGVD.
HIGHEST WATER LEVEL 67.90 BELOW LSD, MAR. 15, 1946, MAR. 25, 1946.
LOWEST WATER LEVEL 128.42 BELOW LSD, SEP. 9, 1956.
RECORDS AVAILABLE 1940-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	102.67	JAN. 22, 1980	96.95	MAY 7, 1980	76.02	JULY 10, 1980	89.53

302653091095701 LOCAL WELL NUMBER: EB-146

OWNER: BATON ROUGE DEPT. PUBLIC WORKS. (SEC. 73, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 6 TO 4 IN, REPORTED DEPTH 1,259 FT, SCREENED 1,199-1,259. MP EDGE OF 1/4-IN HOLE IN PLATE ATOP CASING, 0.45 FT BELOW LSD.
LSD 52.00 FT NGVD.
HIGHEST WATER LEVEL 33.00 ABOVE LSD, MAR. 25, 1916.
LOWEST WATER LEVEL 118.15 BELOW LSD, JULY 12, 1979.
RECORDS AVAILABLE 1916, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	113.78	JAN. 22, 1980	107.96	MAY 5, 1980	109.62	JULY 10, 1980	112.30

302930091101501 LOCAL WELL NUMBER: EB-155

OWNER: EXXON CO., U.S.A. (SEC. 43, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 18 TO 12 IN, REPORTED DEPTH 412 FT, SCREENED 311-412. MP TOP OF CASING COVER, 0.85 FT ABOVE LSD.
LSD 60.14 FT NGVD.
HIGHEST WATER LEVEL 70.44 BELOW LSD, MAY 13, 1973.
LOWEST WATER LEVEL 185.30 BELOW LSD, OCT. 15, 1968.
RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1979	120.95H	JAN. 5, 1980	97.60	APR. 5, 1980	106.73	JULY 5, 1980	93.20
OCT. 5	122.71	JAN. 10	102.55H	APR. 10	106.12	JULY 10	93.84H
OCT. 10	121.80	JAN. 15	105.61	APR. 15	102.81	JULY 15	95.34
OCT. 15	116.29	JAN. 20	106.79	APR. 20	100.87	JULY 20	97.85
OCT. 20	110.74	JAN. 25	107.78	APR. 25	98.90	JULY 25	100.45
OCT. 25	107.01	JAN. 31	104.77	APR. 30	95.94	JULY 31	101.05
OCT. 31	106.12	FEB. 5	106.19	MAY 5	95.39	AUG. 5	103.92
NOV. 5	106.14	FEB. 10	106.75	MAY 6	96.45H	AUG. 10	105.66
NOV. 7	106.87H	FEB. 15	111.00	MAY 10	95.79	AUG. 11	105.65H
NOV. 10	110.02	FEB. 20	112.18	MAY 15	95.32	AUG. 15	106.99
NOV. 15	105.31	FEB. 22	114.56H	MAY 20	94.81	AUG. 20	107.31
NOV. 20	106.09	FEB. 25	112.84	MAY 25	86.59	AUG. 25	107.00
NOV. 25	99.40	FEB. 29	112.48	MAY 31	90.92	AUG. 31	105.81
NOV. 30	94.86	MAR. 5	111.76	JUNE 4	91.40H	SEP. 5	104.65
DEC. 5	90.32	MAR. 10	111.60	JUNE 5	92.63	SEP. 10	105.83
DEC. 10	88.51	MAR. 15	111.76	JUNE 10	92.79	SEP. 15	105.67
DEC. 15	97.77	MAR. 20	110.49	JUNE 15	91.98	SEP. 20	107.73
DEC. 20	103.09	MAR. 24	109.22H	JUNE 20	93.14	SEP. 25	108.91
DEC. 25	103.41	MAR. 25	108.98	JUNE 25	88.38	SEP. 30	109.29
DEC. 31	99.71	MAR. 31	107.20	JUNE 30	88.22		

303001091093801 LOCAL WELL NUMBER: EB-168

OWNER: BATON ROUGE WATER WORKS. (SEC. 38, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 8 TO 6 IN, REPORTED DEPTH 1,496 FT, SCREENED 1,416-1,496. MP TOP EDGE OF 1 1/2-IN COLLAR ON PLATE ATOP CASING, 1.95 FT ABOVE LSD.
LSD 56.00 FT NGVD.
HIGHEST WATER LEVEL 14.00 ABOVE LSD, MAR. 1, 1943.
LOWEST WATER LEVEL 147.27 BELOW LSD, MAY 14, 1979.
RECORDS AVAILABLE 1943, 1948, 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 21, 1979	134.68	FEB. 22, 1980	128.02	JUNE 3, 1980	130.98	AUG. 11, 1980	128.95
DEC. 6	131.20	MAR. 24	127.88	JULY 10	135.38	SEP. 22	132.87
JAN. 24, 1980	128.13	MAY 6	128.28				

See footnotes at end of table.

303358091094401 LOCAL WELL NUMBER: EB-172

OWNER: BATON ROUGE RECREATION AND PARK COMMISSION. (SEC. 54, T. 5S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 239 FT, SCREENED 218-239, MP TOP OF CASING, 0.50 FT ABOVE LSD.
 LSD 66.00 FT NGVD.
 HIGHEST WATER LEVEL 40.94 BELOW LSD, MAY 15, 1979.
 LOWEST WATER LEVEL 62.90 BELOW LSD, NOV. 15, 1968.
 RECORDS AVAILABLE 1942, 1948-50, 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1979	50.95	JAN. 24, 1980	47.86	APR. 30, 1980	44.38	JULY 8, 1980	45.50

302427091103901 LOCAL WELL NUMBER: EB-241

OWNER: LOUISIANA STATE UNIVERSITY. (SEC. 67, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 8 TO 4 IN, REPORTED DEPTH 933 FT, SCREENED INTERVAL UNKNOWN, MP TOP INSIDE EDGE OF MANHOLE FLANGE, 0.06 FT ABOVE LSD.
 LSD 37.00 FT NGVD.
 HIGHEST WATER LEVEL 31.60 ABOVE LSD, NOV. 1, 1932.
 LOWEST WATER LEVEL 41.06 BELOW LSD, NOV. 8, 1979.
 RECORDS AVAILABLE 1932, 1963-67, 1969-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	41.06	MAY 5, 1980	39.01				

303026091113001 LOCAL WELL NUMBER: EB-297

OWNER: LA. OFFICE OF HIGHWAYS. (SEC. 37, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN, DEPTH 1,940 FT, SCREENED 1,890-1,940, MP TOP OF 4-IN NIPPLE ATOP 4-IN CROSS, 2.20 FT ABOVE LSD.
 LSD 61.00 FT NGVD.
 HIGHEST WATER LEVEL 200.22 BELOW LSD, NOV. 7, 1967.
 LOWEST WATER LEVEL 336.23 BELOW LSD, AUG. 31, 1973.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1979	313.52	FEB. 22, 1980	311.80	JUNE 4, 1980	307.42	AUG. 11, 1980	312.40
DEC. 6	310.50	MAR. 24	307.89	JULY 10	312.92	SEP. 22	312.18
JAN. 24, 1980	308.69	MAY 6	309.78				

302549091073101 LOCAL WELL NUMBER: EB-301

OWNER: P. C. WITTF. (IRREG. SEC. 91, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 1,281 FT, SCREENED 1,217-1,281, MP TOP OF 3-IN COLLAR ABOVE PLATE ON 4-IN TEE, 1.30 FT ABOVE LSD.
 LSD 53.45 FT NGVD.
 HIGHEST WATER LEVEL 35.00 ABOVE LSD, AUG. 19, 1926.
 LOWEST WATER LEVEL 106.30 BELOW LSD, JULY 13, 1979.
 RECORDS AVAILABLE 1926, 1943-44, 1946-49, 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	100.88	JAN. 18, 1980	96.19	MAY 6, 1980	97.15	JULY 11, 1980	104.62

303440090592702 LOCAL WELL NUMBER: EB-304

OWNER: GREENWELL SPRINGS HOSPITAL. (SEC. 49, T. 5S., R. 2E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 IN, DEPTH 1,725 FT, SCREENED 1,685-1,725, MP LOWER EDGE OF COLLAR ON 3/4-IN NIPPLE ON SIDE OF CASING, 1.45 FT ABOVE LSD.
 LSD 67.00 FT NGVD.
 HIGHEST WATER LEVEL 81.00 ABOVE LSD, DEC. 19, 1941.
 LOWEST WATER LEVEL 64.85 BELOW LSD, NOV. 6, 1979.
 RECORDS AVAILABLE 1941, 1943-46, 1949-51, 1954-70, 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979	64.85	JAN. 21, 1980	63.62	APR. 30, 1980	62.95	JULY 8, 1980	63.49

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

303441091074201 LOCAL WELL NUMBER: EB-322

OWNER: JOSEPH ROY BADEAUX, (SEC. 29, T. 5S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 TO 2 IN, DEPTH 1,971 FT, SCREENED 1,931-1,971, MP TOP EDGE OF 2 1/2-IN CASING, 0.25 FT ABOVE LSD.
LSD 68.00 FT NGVD.
HIGHEST WATER LEVEL 67.00 ABOVE LSD, DEC. 6, 1942.
LOWEST WATER LEVEL 77.84 BELOW LSD, JULY 8, 1980.
RECORDS AVAILABLE 1942-51, 1959, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1979	77.79	JAN. 24, 1980	77.79	APR. 30, 1980	75.79	JULY 8, 1980	77.84

302820091072401 LOCAL WELL NUMBER: EB-327

OWNER: SPEDALE ESTATE, (SEC. 73, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 IN, REPORTED DEPTH 1,236 FT, SCREENED 1,186-1,236, MP TOP OF 2-IN CASING EXTENSION, 1.40 FT ABOVE LSD.
LSD 55.00 FT NGVD.
HIGHEST WATER LEVEL 100.10 BELOW LSD, FEB. 7, 1974.
LOWEST WATER LEVEL 119.58 BELOW LSD, JULY 16, 1979.
RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1979	114.83	JAN. 21, 1980	108.23	MAY 7, 1980	112.28	JULY 14, 1980	114.60

302930091111301 LOCAL WELL NUMBER: EB-367

OWNER: GULF STATES UTILITIES CO. (SEC. 43, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 TO 8 IN, REPORTED DEPTH 2,061 FT, SCREENED 1,961-2,061, MP ARROW ON PLATE ABOVE CASING, 0.40 FT ABOVE LSD.
LSD 64.40 FT NGVD.
HIGHEST WATER LEVEL 5.00 BELOW LSD, JUNE 16, 1942.
LOWEST WATER LEVEL 372.20 BELOW LSD, AUG. 17, 1973.
RECORDS AVAILABLE 1942, 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1979	340.26H	JAN. 5, 1980	343.00	APR. 5, 1980	335.04	JUNE 30, 1980	339.81
OCT. 5	341.80	JAN. 10	342.77H	APR. 10	334.62	JULY 5	342.07
OCT. 10	342.45	JAN. 15	334.69	APR. 15	330.20	JULY 10	341.49H
OCT. 15	342.60	JAN. 20	332.97	APR. 20	345.54	JULY 15	345.16
OCT. 20	338.55	JAN. 25	335.41	APR. 21	346.27H	JULY 20	344.21
OCT. 25	335.45	JAN. 31	335.59	APR. 25	344.28	JULY 25	346.76
OCT. 31	347.80	FEB. 5	339.77	APR. 30	341.79	JULY 31	341.16
NOV. 5	335.43	FEB. 10	338.30	MAY 5	335.56	AUG. 5	340.42
NOV. 7	340.70H	FEB. 15	344.00	MAY 6	336.70H	AUG. 10	340.95
NOV. 10	340.69	FEB. 20	336.10	MAY 10	331.54	AUG. 11	342.67H
NOV. 15	340.87	FEB. 22	339.42H	MAY 15	329.56	AUG. 15	343.85
NOV. 20	340.73	FEB. 25	340.00	MAY 20	332.09	AUG. 20	339.34
NOV. 25	338.89	FEB. 29	339.10	MAY 25	331.81	AUG. 25	338.10
NOV. 30	338.19	MAR. 5	331.85	MAY 31	332.09	AUG. 31	338.91
DEC. 5	341.00E	MAR. 10	335.45	JUNE 4	332.90H	SEP. 5	337.40
DEC. 6	338.48H	MAR. 15	333.52	JUNE 5	336.00	SEP. 10	339.62
DEC. 10	340.65	MAR. 20	337.85	JUNE 10	335.89	SEP. 15	339.19
DEC. 15	334.41	MAR. 24	338.01H	JUNE 15	335.31	SEP. 20	336.73
DEC. 20	340.64	MAR. 25	338.34	JUNE 20	336.71	SEP. 25	335.43
DEC. 25	342.43	MAR. 31	336.73	JUNE 25	339.06	SEP. 30	336.77
DEC. 31	343.93						

302619091104003 LOCAL WELL NUMBER: EB-434

OWNER: LA. OFFICE OF HIGHWAYS, (SEC. 49, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 8 TO 6 IN, REPORTED DEPTH 611 FT, SCREENED 551-611, MP 1/4-IN HOLE IN TOP OF CASING, 1.40 FT ABOVE LSD.
LSD 45.44 FT NGVD.
HIGHEST WATER LEVEL 58.25 BELOW LSD, MAY 5, 1980.
LOWEST WATER LEVEL 125.57 BELOW LSD, OCT. 22, 1968.
RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	92.80	JAN. 22, 1980	69.95	JUNE 2, 1980	63.10	JULY 11, 1980	77.30
DEC. 5	81.34	MAY 5	58.25				

See footnotes at end of table.

303238091085701 LOCAL WELL NUMBER: EB-461

OWNER: J. L. GRANBERRY. (SEC. 97, T. 6S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 330 FT, SCREENED 310-330. MP TOP EDGE OF OPENING IN 4 X 2-IN REDUCER, 0.75 FT ABOVE LSD.
 LSD 65.00 FT NGVD.
 HIGHEST WATER LEVEL 55.33 BELOW LSD, MAY 15, 1979.
 LOWEST WATER LEVEL 84.75 BELOW LSD, NOV. 15, 1968.
 RECORDS AVAILABLE 1947-48, 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1979	66.12	JAN. 24, 1980	61.88	APR. 30, 1980	57.99	JULY 8, 1980	58.61

303408091075001 LOCAL WELL NUMBER: EB-468

OWNER: A. M. HOLDEN. (SEC. 53, T. 5S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN, DEPTH 2,407 FT, SCREENED 2,319-2,407. MP TOP EDGE OF 3/4-IN HOLE IN SANITARY SEAL, 0.43 FT ABOVE LSD.
 LSD 73.00 FT NGVD.
 HIGHEST WATER LEVEL 71.60 ABOVE LSD, FEB. 27, 1948.
 LOWEST WATER LEVEL 65.07 BELOW LSD, JAN. 24, 1980.
 RECORDS AVAILABLE 1948-51, 1953-67, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1979	65.02	JAN. 24, 1980	65.07	APR. 30, 1980	64.47	JULY 8, 1980	63.55

302654091101101 LOCAL WELL NUMBER: EB-500

OWNER: RED STICK LINEN SERVICE. (SEC. 46, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 IN, ESTIMATED DEPTH 710 FT, SCREENED 663-710. MP TOP OF 2-IN NIPPLE IN STEEL LINER, 2.54 FT ABOVE LSD.
 LSD 57.00 FT NGVD.
 HIGHEST WATER LEVEL 84.18 BELOW LSD, APR. 24, 1978.
 LOWEST WATER LEVEL 145.67 BELOW LSD, OCT. 16, 1948.
 RECORDS AVAILABLE 1948, 1962, 1969-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 10, 1979	104.46						

303115091113701 LOCAL WELL NUMBER: EB-517C

OWNER: SOUTHERN UNIVERSITY. (SEC. 50, T. 6S., R. 1W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 TO 8 IN, DEPTH 2,590 FT, SCREENED 2,510-2,590. MP TOP OF 3/4-IN HOLE IN SANITARY SEAL, 1.48 FT ABOVE LSD.
 LSD 67.00 FT NGVD.
 HIGHEST WATER LEVEL 64.70 ABOVE LSD, AUG. 21, 1953.
 LOWEST WATER LEVEL 59.12 BELOW LSD, JAN. 24, 1980.
 RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1979	58.86	APR. 18, 1980	57.62	APR. 30, 1980	58.05	JULY 10, 1980	56.85
JAN. 24, 1980	59.12						

302149091101401 LOCAL WELL NUMBER: EB-575

OWNER: LOUISIANA STATE UNIVERSITY. (SEC. 68, T. 8S., R. 1W.) DRILLED IRRIGATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 TO 10 TO 6 IN, DEPTH 2,500 FT, SCREENED 2,440-2,500. MP CENTERLINE OF DISCHARGE PIPE, 3.40 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 70.00 ABOVE LSD, MAY 1, 1955.
 LOWEST WATER LEVEL 7.19 ABOVE LSD, NOV. 8, 1979.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979 +	7.19	MAY 5, 1980 +	9.96				

See footnotes at end of table.

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

303904091093102 LOCAL WELL NUMBER: EB-578R

OWNER: CITY OF ZACHARY, (SEC. 81, T. 4S., R. 1W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 10 TO 6 TO 4 1/2 IN, DEPTH 2,132 FT, SCREENED 2,052-2,132, MP TOP INSIDE EDGE OF VALVE, 1.77 FT ABOVE LSD.
LSD 103.00 FT NGVD.
HIGHEST WATER LEVEL 9.00 ABOVE LSD, OCT. 17, 1957,
LOWEST WATER LEVEL 90.89 BELOW LSD, JULY 7, 1980.
RECORDS AVAILABLE 1957, 1960, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1979	90.30	JAN. 14, 1980	90.26	APR. 28, 1980	89.96	JULY 7, 1980	90.89

303440090592703 LOCAL WELL NUMBER: EB-581

OWNER: GREENWELL SPRINGS HOSPITAL, (SEC. 49, T. 5S., R. 2E.) DRILLED INSTITUTIONAL ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 8 TO 6 IN, DEPTH 2,590 FT, SCREENED 2,540-2,590, MP TOP OF 1-IN PIPE ON SIDE OF 8-IN CASING, 1.90 FT ABOVE LSD.
LSD 67.00 FT NGVD.
HIGHEST WATER LEVEL 54.40 ABOVE LSD, MAY 25, 1956,
LOWEST WATER LEVEL 41.36 BELOW LSD, JULY 8, 1980.
RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979	40.24	JAN. 21, 1980	40.35	APR. 30, 1980	40.71	JULY 8, 1980	41.36

304141090585301 LOCAL WELL NUMBER: EB-647

OWNER: EAST BATON ROUGE PARISH SCHOOL BOARD, (SEC. 14, T. 4S., R. 2E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 TO 4 IN, DEPTH 1,950 FT, SCREENED 1,910-1,950, MP BOTTOM EDGE OF 3/4-IN COLLAR WELDED ON SIDE CASING, 1.28 FT ABOVE LSD.
LSD 107.00 FT NGVD.
HIGHEST WATER LEVEL 15.20 ABOVE LSD, JAN. 7, 1958,
LOWEST WATER LEVEL 79.50 BELOW LSD, APR. 29, 1980.
RECORDS AVAILABLE 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979	79.17	APR. 29, 1980	79.50				

303154091083901 LOCAL WELL NUMBER: EB-652

OWNER: GREATER BATON ROUGE AIRPORT DISTRICT, (SEC. 90, T. 6S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN, DEPTH 1,345 FT, SCREENED 1,264-1,345, MP BREATHER-PIPE HOLE IN SANITARY SEAL, 0.43 FT ABOVE LSD.
LSD 68.00 FT NGVD.
HIGHEST WATER LEVEL 45.42 BELOW LSD, APR. 29, 1958,
LOWEST WATER LEVEL 134.76 BELOW LSD, JULY 8, 1980.
RECORDS AVAILABLE 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1979	132.82	APR. 18, 1980	121.17	APR. 30, 1980	122.25	JULY 8, 1980	134.76
JAN. 24, 1980	129.77						

303350091100901 LOCAL WELL NUMBER: EB-685

OWNER: BATON ROUGE RECREATION AND PARK COMMISSION, (SEC. 53, T. 5S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 TO 3 IN, DEPTH 1,640 FT, SCREENED 1,580-1,640, MP HOLE IN CENTER OF 6-IN PLUG ATOP CASING, 1.73 FT ABOVE LSD.
LSD 65.00 FT NGVD.
HIGHEST WATER LEVEL 48.95 BELOW LSD, APR. 30, 1959,
LOWEST WATER LEVEL 184.37 BELOW LSD, NOV. 15, 1972.
RECORDS AVAILABLE 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1979	180.62	JAN. 24, 1980	177.92	APR. 30, 1980	177.41	JULY 8, 1980	177.32

302414091032601 LOCAL WELL NUMBER: EB-745

OWNER: DOLESE CONCRETE CO. (SEC. 58, T. 7S., R. 2E.) DRILLED INDUSTRIAL ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 6 TO 4 IN, DEPTH 503 FT, SCREENED 483-503. MP LOWER EDGE 2-IN PIPE WELDED TO CASING, 2.27 FT ABOVE LSD.
 LSD 40.00 FT NGVD.
 HIGHEST WATER LEVEL 27.00 BELOW LSD, MAY 4, 1958.
 LOWEST WATER LEVEL 37.32 BELOW LSD, AUG. 6, 1980.
 RECORDS AVAILABLE 1958, 1970, 1972, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 4, 1958	27.00	OCT. 26, 1970	36.19	MAY 26, 1972	31.25	AUG. 6, 1980	37.32

302509091082701 LOCAL WELL NUMBER: EB-778

OWNER: U. S. GEOL. SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,586 FT, SCREENED 2,581-2,586. MP TOP OF 4 X 2-IN REDUCER, 2.84 FT ABOVE LSD.
 LSD 28.00 FT NGVD.
 HIGHEST WATER LEVEL 40.10 ABOVE LSD, MAR. 16, 1965.
 LOWEST WATER LEVEL 0.66 BELOW LSD, NOV. 8, 1979.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	0.66	FEB. 12, 1980	0.34	MAY 5, 1980	1.54	JULY 11, 1980	0.25
JAN. 24, 1980	0.23						

302509091082702 LOCAL WELL NUMBER: EB-780A

OWNER: U. S. GEOL. SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1,622 FT, SCREENED 1,617-1,622. MP HOLE IN SANITARY SEAL, 2.24 FT ABOVE LSD.
 LSD 28.00 FT NGVD.
 HIGHEST WATER LEVEL 2.26 ABOVE LSD, JAN. 12, 1966.
 LOWEST WATER LEVEL 30.41 BELOW LSD, JULY 11, 1980.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	29.76	JAN. 24, 1980	27.80	MAY 5, 1980	26.78	JULY 11, 1980	30.41
DEC. 12	28.18	FEB. 12	28.03				

302509091082703 LOCAL WELL NUMBER: EB-780B

OWNER: U. S. GEOL. SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1,913 FT, SCREENED 1,908-1,913. MP TOP EDGE OF 2-IN LINER, 2.41 FT ABOVE LSD.
 LSD 28.00 FT NGVD.
 HIGHEST WATER LEVEL 8.58 ABOVE LSD, APR. 23, 1965.
 LOWEST WATER LEVEL 24.62 BELOW LSD, JULY 11, 1980.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	24.58	JAN. 24, 1980	23.73	MAY 5, 1980	22.40	JULY 11, 1980	24.62
DEC. 12	23.81	FEB. 12	23.78				

302535091090401 LOCAL WELL NUMBER: EB-781

OWNER: U. S. GEOL. SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,286 FT, SCREENED 2,282-2,286. MP TOP EDGE OF 2-IN STEEL AIRLINE, 2.82 FT ABOVE LSD.
 LSD 28.00 FT NGVD.
 HIGHEST WATER LEVEL 119.12 BELOW LSD, MAR. 15, 1966.
 LOWEST WATER LEVEL 241.60 BELOW LSD, AUG. 14, 1973.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	232.87	JAN. 24, 1980	232.05	MAY 6, 1980	229.48	JULY 11, 1980	235.23
DEC. 11	230.38						

See footnotes at end of table.

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

302535091090402 LOCAL WELL NUMBER: EB-7A2A

OWNER: U. S. GEOL. SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,000-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1,189 FT, SCREENED 1,184-1,189. MP TOP EDGE OF 3/8-IN HOLE IN CAP, 2.00 FT ABOVE LSD.
LSD 28.00 FT NGVD.
HIGHEST WATER LEVEL 18.54 BELOW LSD, MAY 19, 1975.
LOWEST WATER LEVEL 25.53 BELOW LSD, FEB. 24, 1977.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	23.03	JAN. 24, 1980	22.47	MAY 6, 1980	21.10	JULY 11, 1980	22.54
DEC. 11	22.60						

302535091090403 LOCAL WELL NUMBER: EB-7A2B

OWNER: U. S. GEOL. SURVEY. (SEC. 94, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 IN, DEPTH 1,681 FT, SCREENED 1,676-1,681. MP TOP EDGE OF 5/8-IN PIPE IN CAP, 2.00 FT ABOVE LSD.
LSD 28.00 FT NGVD.
HIGHEST WATER LEVEL 49.35 BELOW LSD, JAN. 20, 1966.
LOWEST WATER LEVEL 119.00 BELOW LSD, JULY 12, 1979.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	109.05	JAN. 24, 1980	101.60	MAY 28, 1980	100.71	JULY 11, 1980	114.56
DEC. 11	108.15	MAY 6	102.72				

302502091113601 LOCAL WELL NUMBER: EB-7B3A

OWNER: U. S. GEOL. SURVEY. (SEC. 54, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 2,179 FT, SCREENED 2,174-2,179. MP TOP OF 4-IN NIPPLE, 2.00 FT ABOVE LSD (SINCE 1/22/80).
LSD 26.00 FT NGVD.
HIGHEST WATER LEVEL 16.20 ABOVE LSD, MAR. 1, 1966.
LOWEST WATER LEVEL 56.27 BELOW LSD, JULY 11, 1980.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	52.83	JAN. 22, 1980	52.48	MAY 5, 1980	50.20	JULY 11, 1980	56.27
DEC. 6	54.15						

302502091113602 LOCAL WELL NUMBER: EB-7B3B

OWNER: U. S. GEOL. SURVEY. (SEC. 54, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 IN, DEPTH 2,675 FT, SCREENED 2,670-2,675. MP TOP OF 2-IN LINER, 2.56 FT ABOVE LSD.
LSD 26.00 FT NGVD.
HIGHEST WATER LEVEL 54.90 ABOVE LSD, MAR. 1, 1966.
LOWEST WATER LEVEL 40.45 BELOW LSD, JULY 22, 1977.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	2.58	JAN. 22, 1980	0.03	JUNE 4, 1980	5.36	JULY 11, 1980	11.28
DEC. 6	2.46	MAY 5	0.28				

302511091070401 LOCAL WELL NUMBER: EB-7B9A

OWNER: U. S. GEOL. SURVEY. (SEC. 93, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 711 FT, SCREENED 707-711. MP HOLE IN SANITARY SEAL, 0.61 FT ABOVE LSD.
LSD 37.00 FT NGVD.
HIGHEST WATER LEVEL 9.50 BELOW LSD, MAY 17, 1979.
LOWEST WATER LEVEL 33.02 BELOW LSD, NOV. 14, 1966.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	26.65	JAN. 18, 1980	20.94	MAY 6, 1980	13.44	JULY 14, 1980	24.74
DEC. 14	21.49						

See footnotes at end of table.

302511091070402 LOCAL WELL NUMBER: ER-789B

OWNER: U. S. GEOL. SURVEY. (SEC. 93, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 1,721 FT, SCREENED 1,717-1,721, MP TOP OF 2-IN LINER, 0.88 FT ABOVE LSD.
 LSD 37.00 FT NGVD.
 HIGHEST WATER LEVEL 6.15 REFLOW LSD, MAR. 4, 1966;
 LOWEST WATER LEVEL 37.54 REFLOW LSD, JULY 14, 1980.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	37.06	MAY 6, 1980	35.10	MAY 30, 1980	35.72	JULY 14, 1980	37.54
DEC. 14	34.87						

302605091080602 LOCAL WELL NUMBER: ER-792B

OWNER: U. S. GEOL. SURVEY. (SEC. 95, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,286 FT, SCREENED 2,282-2,286, MP TOP OF AIRLINE IN 2-IN LINER, 2.39 FT ABOVE LSD.
 LSD 45.00 FT NGVD.
 HIGHEST WATER LEVEL 121.92 REFLOW LSD, MAR. 28, 1966;
 LOWEST WATER LEVEL 239.60 REFLOW LSD, JULY 27, 1973.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	233.01	JAN. 18, 1980	232.61	MAY 6, 1980	229.84	JULY 11, 1980	235.31
DEC. 13	233.21						

302719091103201 LOCAL WELL NUMBER: ER-793

OWNER: U. S. GEOL. SURVEY. (SEC. 71, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 687 FT, SCREENED 683-687, MP TOP EDGE OF 2-IN LINER, 0.85 FT ABOVE TOP OF 4-IN CASING AND 2.00 FT ABOVE LSD.
 LSD 35.30 FT NGVD.
 HIGHEST WATER LEVEL 50.79 REFLOW LSD, MAY 6, 1980;
 LOWEST WATER LEVEL 121.55 REFLOW LSD, OCT. 21, 1968.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1979	85.73	FEB. 22, 1980	61.22	MAY 6, 1980	50.79	AUG. 11, 1980	75.50
DEC. 10	84.72	MAR. 24	56.57	JUNE 2	55.68	SEP. 22	77.84
JAN. 24, 1980	62.24	APR. 18	51.55	JULY 10	70.44		

302559091110801 LOCAL WELL NUMBER: ER-794

OWNER: U. S. GEOL. SURVEY. (SEC. 52, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,709 FT, SCREENED 2,705-2,709, MP TOP EDGE OF 3/4-IN PVC AIRLINE, 3.00 FT ABOVE LSD.
 LSD 51.00 FT NGVD.
 HIGHEST WATER LEVEL 113.28 REFLOW LSD, JULY 27, 1965;
 LOWEST WATER LEVEL 204.76 REFLOW LSD, JULY 13, 1979.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	200.09	JAN. 10, 1980	196.98	JUNE 2, 1980	188.27	JULY 11, 1980	196.15
DEC. 4	190.30	MAY 5	184.88	JUNE 5	188.61		

302306091022601 LOCAL WELL NUMBER: ER-803A

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 8S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1,975 FT, SCREENED 1,971-1,975, MP TOP EDGE OF 3/8-IN OPENING IN RUSHING IN SANITARY SEAL, 2.11 FT ABOVE LSD.
 LSD 27.00 FT NGVD.
 HIGHEST WATER LEVEL 15.30 ABOVE LSD, MAY 18, 1966;
 LOWEST WATER LEVEL 15.76 REFLOW LSD, NOV. 8, 1979.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	15.76	NOV. 27, 1979	15.69	MAY 6, 1980	14.34	JUNE 3, 1980	14.59

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

302306091022602 LOCAL WELL NUMBER: EB-803B

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 8S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,565 FT, SCREENED 2,561-2,565. MP TOP EDGE OF 4-IN TEE, 1.65 FT ABOVE LSD.
LSD 27.00 FT NGVD.
HIGHEST WATER LEVEL 53.10 ABOVE LSD, APR. 4, 1966.
LOWEST WATER LEVEL 16.00 ABOVE LSD, NOV. 7, 1978.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	19.40	NOV. 27	20.60	MAY 6, 1980	19.40		

302428091035001 LOCAL WELL NUMBER: EB-804A

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1,950 FT, SCREENED 1,946-1,950. MP TOP OF 4-IN CASING, 1.57 FT ABOVE LSD.
LSD 46.00 FT NGVD.
HIGHEST WATER LEVEL 44.34 BELOW LSD, JUNE 9, 1967.
LOWEST WATER LEVEL 94.03 BELOW LSD, NOV. 8, 1979.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	94.03	DEC. 17	93.43	MAY 6, 1980	85.13		

302428091035002 LOCAL WELL NUMBER: EB-804B

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,762 FT, SCREENED 2,758-2,762. MP TOP OF 2-IN CASING, 2.67 FT ABOVE LSD.
LSD 46.00 FT NGVD.
HIGHEST WATER LEVEL 32.45 BELOW LSD, MAY 6, 1966, MAY 18, 1966.
LOWEST WATER LEVEL 102.76 BELOW LSD, NOV. 8, 1979.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	102.76	DEC. 17	98.74	MAY 6, 1980	93.38		

302428091035003 LOCAL WELL NUMBER: EB-805

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,000-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 1,072 FT, SCREENED 1,068-1,072. MP TOP OF 1 1/2-IN HOLE IN CAP, 1.25 FT ABOVE LSD.
LSD 46.00 FT NGVD.
HIGHEST WATER LEVEL 40.04 BELOW LSD, JUNE 9, 1967.
LOWEST WATER LEVEL 57.25 BELOW LSD, NOV. 8, 1979.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	57.25	DEC. 17, 1979	55.35	MAY 6, 1980	53.05	MAY 30, 1980	52.28

302702091103902 LOCAL WELL NUMBER: EB-806B

OWNER: U. S. GEOL. SURVEY. (SEC. 72, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,579 FT, SCREENED 2,575-2,579. MP TOP EDGE OF 1 1/2-IN NIPPLE, 1.83 FT ABOVE LSD.
LSD 46.50 FT NGVD.
HIGHEST WATER LEVEL 119.03 BELOW LSD, MAY 19, 1966.
LOWEST WATER LEVEL 204.05 BELOW LSD, JULY 12, 1979.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	198.78	JAN. 22, 1980	195.73	MAY 5, 1980	183.57	JULY 10, 1980	194.74
DEC. 6	197.17	APR. 18	183.57				

See footnotes at end of table.

302611091091201 LOCAL WELL NUMBER: EB-807A

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 96, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1,713 FT, SCREENED 1,709-1,713, MP TOP OF 3/8-IN HOLE IN CAP, 2.50 FT ABOVE LSD.
 LSD 34.86 FT NGVD.
 HIGHEST WATER LEVEL 63.76 BELOW LSD, APR. 24, 1969,
 LOWEST WATER LEVEL 128.66 BELOW LSD, JULY 12, 1979.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	118.27	JAN. 24, 1980	110.99	MAY 29, 1980	112.09	JULY 11, 1980	124.66
DEC. 11	117.50	MAY 6	113.40				

302611091091202 LOCAL WELL NUMBER: EB-807B

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 96, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,264 FT, SCREENED 2,260-2,264, MP TOP OF 3/8-IN HOLE IN CAP, 2.50 FT ABOVE LSD.
 LSD 34.86 FT NGVD.
 HIGHEST WATER LEVEL 132.14 BELOW LSD, MAY 19, 1966,
 LOWEST WATER LEVEL 249.90 BELOW LSD, JULY 27, 1973.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	238.16	JAN. 24, 1980	237.05	MAY 29, 1980	231.40	JULY 11, 1980	240.75
DEC. 11	235.97	MAY 6	234.50				

302501091101201 LOCAL WELL NUMBER: EB-818

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 67, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 615 FT, SCREENED 609-615, MP TOP EDGE OF 2-IN CASING, 0.48 FT ABOVE LSD.
 LSD 25.59 FT NGVD.
 HIGHEST WATER LEVEL 6.60 ABOVE LSD, APR. 27, 1973,
 LOWEST WATER LEVEL 23.50 BELOW LSD, OCT. 23, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1979	15.50	JAN. 22, 1980	8.40				

302501091101202 LOCAL WELL NUMBER: EB-819

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 67, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("SHALLOW PLEISTOCENE" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 322 FT, SCREENED 316-322, MP TOP OF CASING, 0.59 FT ABOVE LSD.
 LSD 25.68 FT NGVD.
 HIGHEST WATER LEVEL 9.60 ABOVE LSD, APR. 16, 1973, APR. 17, 1973,
 LOWEST WATER LEVEL 20.40 BELOW LSD, OCT. 23, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1979	15.09	JAN. 22, 1980	7.59	MAY 5, 1980 +	3.89		

302510091105001 LOCAL WELL NUMBER: EB-820

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 54, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("SHALLOW PLEISTOCENE" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 259 FT, SCREENED 253-259, MP TOP OF CASING, 0.71 FT ABOVE LSD.
 LSD 22.24 FT NGVD.
 HIGHEST WATER LEVEL 14.10 ABOVE LSD, APR. 27, 1979,
 LOWEST WATER LEVEL 17.74 BELOW LSD, OCT. 23, 1968.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	12.46	JAN. 22, 1980	4.58	MAY 5, 1980 +	7.23		

See footnotes at end of table.

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

302510091105003 LOCAL WELL NUMBER: EB-822

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 54, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 573 FT, SCREENED 567-573, MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 22.60 FT NGVD.
HIGHEST WATER LEVEL 12.30 ABOVE LSD, APR. 27, 1979.
LOWEST WATER LEVEL 19.48 BELOW LSD, OCT. 23, 1968.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	13.28	DEC. 5, 1979	6.89	JAN. 22, 1980	5.84	MAY 5, 1980	5.40

302553091092001 LOCAL WELL NUMBER: EB-824

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 96, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 581 FT, SCREENED 575-581, MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 33.56 FT NGVD.
HIGHEST WATER LEVEL 41.23 BELOW LSD, MAY 6, 1980.
LOWEST WATER LEVEL 90.29 BELOW LSD, OCT. 23, 1968.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	67.35	JAN. 24, 1980	50.31	MAY 6, 1980	41.23	JULY 11, 1980	55.34

302553091092002 LOCAL WELL NUMBER: EB-825

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 96, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 475 FT, SCREENED 469-475, MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 33.57 FT NGVD.
HIGHEST WATER LEVEL 32.57 BELOW LSD, MAY 6, 1975.
LOWEST WATER LEVEL 63.45 BELOW LSD, NOV. 8, 1968.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	47.96	JAN. 24, 1980	40.48	MAY 6, 1980	36.69	JULY 11, 1980	39.52

303023091075601 LOCAL WELL NUMBER: EB-826

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 40, T. 6S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 350 FT, SCREENED 344-350, MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 56.77 FT NGVD.
HIGHEST WATER LEVEL 55.40 BELOW LSD, MAY 6, 1975.
LOWEST WATER LEVEL 103.18 BELOW LSD, NOV. 1, 1968.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	72.72	JAN. 24, 1980	68.89	MAY 7, 1980	64.07	JULY 14, 1980	63.29

303356091095301 LOCAL WELL NUMBER: EB-827

OWNER: LOUISIANA WATER RESOURCES RESEARCH INSTITUTE. (SEC. 54, T. 5S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 370 FT, SCREENED 364-370, MP TOP OF CASING, 0.50 FT ABOVE LSD.
LSD 63.96 FT NGVD.
HIGHEST WATER LEVEL 38.82 BELOW LSD, MAY 15, 1979.
LOWEST WATER LEVEL 68.13 BELOW LSD, NOV. 1, 1968.
RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1979	55.30	JAN. 24, 1980	49.60	APR. 30, 1980	42.42	JULY 8, 1980	49.28

See footnotes at end of table.

303912091150801 LOCAL WELL NUMBER: ER-849

OWNER: GEORGIA-PACIFIC CORP. (SEC. 31, T. 4S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 IN, DEPTH 1,380 FT, SCREENED 1,250-1,270, 1,350-1,380. MP TOP OF CASING, 1.70 FT ABOVE LSD.
 LSD 91.00 FT NGVD.
 HIGHEST WATER LEVEL 47.79 BELOW LSD, FEB. 22, 1966,
 LOWEST WATER LEVEL 135.13 BELOW LSD, NOV. 5, 1979.
 RECORDS AVAILABLE 1966, 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1979	135.13	JAN. 14, 1980	132.02	APR. 28, 1980	130.30	JULY 7, 1980	132.42

302919091020601 LOCAL WELL NUMBER: ER-866

OWNER: SOUTH CENTRAL BELL TEL. CO. (SEC. 52, R. 6S., R. 2E.) DRILLED COMMERCIAL ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 400 FT, SCREENED 380-400. MP HOLE IN SANITARY SEAL, 0.85 FT ABOVE LSD.
 LSD 49.00 FT NGVD.
 HIGHEST WATER LEVEL 20.00 BELOW LSD, NOV. 9, 1979,
 LOWEST WATER LEVEL 38.60 BELOW LSD, OCT. 21, 1970.
 RECORDS AVAILABLE 1970, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1979	20.00	DEC. 18	28.07	MAY 7, 1980	35.71		

302729091100601 LOCAL WELL NUMBER: ER-870

OWNER: U. S. GEOL. SURVEY. (SEC. 44, T. 7S., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 692 FT, SCREENED 687-692. MP TOP OF CASING, AT LSD.
 LSD 50.00 FT NGVD.
 HIGHEST WATER LEVEL 67.98 BELOW LSD, MAY 6, 1980,
 LOWEST WATER LEVEL 142.48 BELOW LSD, OCT. 5, 1971.
 RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1979	107.52	FEB. 22, 1980	79.14	MAY 30, 1980	73.12	AUG. 11, 1980	95.65
DEC. 7	107.50	MAR. 24	74.10	JULY 10	90.80	SEP. 22	98.05
JAN. 24, 1980	79.97	MAY 6	67.98				

303905090583301 LOCAL WELL NUMBER: ER-896

OWNER: U. S. GEOL. SURVEY (SEC. 51, T. 4S., R. 2E.) BORED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 73 FT, SCREENED 70-73. MP TOP OF 1 1/4-IN CASING, 3.92 FT ABOVE LSD.
 LSD 82.00 FT NGVD.
 HIGHEST WATER LEVEL 15.17 BELOW LSD, APR. 22, 1974,
 LOWEST WATER LEVEL 17.85 BELOW LSD, DEC. 12, 1972.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979	17.14	JAN. 21, 1980	16.68	APR. 29, 1980	15.30	JULY 8, 1980	15.88

302614091083001 LOCAL WELL NUMBER: ER-917

OWNER: U. S. GEOL. SURVEY. (SEC. 95, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 1,736 FT, SCREENED 1,731-1,736. MP TOP OF 4-IN CASING, AT LSD.
 LSD 46.56 FT NGVD.
 HIGHEST WATER LEVEL 116.98 BELOW LSD, APR. 10, 1978,
 LOWEST WATER LEVEL 139.22 BELOW LSD, JULY 12, 1979.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	129.21	JAN. 18, 1980	121.37	JUNE 2, 1980	125.57	JULY 11, 1980	134.81
DEC. 14	125.75	MAY 6	123.76				

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

302547091074401 LOCAL WELL NUMBER: EB-918

OWNER: U. S. GEOL. SURVEY. (SEC. 91, T. 75., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 1,834 FT, SCREENED 1,829-1,834. MP TOP EDGE OF 4-IN COLLAR, AT LSD.
LSD 40.00 FT NGVD.
HIGHEST WATER LEVEL 103.15 BELOW LSD, DEC. 12, 1973.
LOWEST WATER LEVEL 126.94 BELOW LSD, JULY 13, 1979.
RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	118.53	JAN. 18, 1980	110.22	JUNE 4, 1980	116.25	JULY 11, 1980	123.40
DEC. 13	118.60	MAY 6	111.38				

302955091060601 LOCAL WELL NUMBER: EB-933

OWNER: U. S. GEOL. SURVEY. (SEC. 50, T. 65., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 603 FT, SCREENED 592-603. MP TOP OF 2-IN CASING, 1.30 FT ABOVE LSD.
LSD 51.00 FT NGVD.
HIGHEST WATER LEVEL 50.21 BELOW LSD, MAY 7, 1980.
LOWEST WATER LEVEL 67.84 BELOW LSD, NOV. 18, 1977.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1979	62.13	JAN. 21, 1980	54.85	MAY 7, 1980	50.21		

302955091060501 LOCAL WELL NUMBER: EB-934

OWNER: U. S. GEOL. SURVEY. (SEC. 50, T. 65., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 385 FT, SCREENED 372-385. MP TOP OF 2-IN CASING, 1.10 FT ABOVE LSD.
LSD 51.00 FT NGVD.
HIGHEST WATER LEVEL 40.08 BELOW LSD, MAY 22, 1975.
LOWEST WATER LEVEL 55.98 BELOW LSD, NOV. 18, 1977.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1979	50.68	JAN. 21, 1980	46.98	MAY 7, 1980	44.66		

302932091101901 LOCAL WELL NUMBER: EB-944

OWNER: U. S. GEOL. SURVEY. (SEC. 43, T. 65., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN, DEPTH 2,792 FT, SCREENED 2,782-2,792. MP TOP INSIDE EDGE OF SIDE OPENING OF 2-IN TEE ON LINER, 1.63 FT ABOVE LSD.
LSD 59.00 FT NGVD.
HIGHEST WATER LEVEL 33.53 BELOW LSD, FEB. 4, 1975.
LOWEST WATER LEVEL 52.25 BELOW LSD, FEB. 22, 1980.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1979	50.19	JAN. 3, 1980	51.52	MAR. 24, 1980	51.05	JUNE 4, 1980	49.85
NOV. 2	50.80	JAN. 10	50.69	APR. 4	50.47	JUNE 30	49.81
NOV. 7	46.97	FEB. 4	50.64	MAY 1	48.37	JULY 31	50.32
DEC. 3	51.42	FEB. 22	52.25	MAY 6	49.70	AUG. 29	50.05
DEC. 6	51.34	MAR. 3	52.01	MAY 30	49.80	SEP. 29	51.37

302932091101902 LOCAL WELL NUMBER: EB-945

OWNER: U. S. GEOL. SURVEY. (SEC. 43, T. 65., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 654 FT, SCREENED 644-654. MP TOP INSIDE EDGE OF SIDE OPENING OF 2-IN TEE ON LINER, 2.27 FT ABOVE LSD.
LSD 59.00 FT NGVD.
HIGHEST WATER LEVEL 82.77 BELOW LSD, MAY 1, 1980.
LOWEST WATER LEVEL 158.05 BELOW LSD, AUG. 26, 1976.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1979	134.50	JAN. 3, 1980	97.86	MAR. 24, 1980	87.91	JUNE 4, 1980	92.55
NOV. 2	133.66	JAN. 10	97.33	APR. 4	85.13	JUNE 30	112.78
NOV. 7	134.09	FEB. 4	94.98	MAY 1	82.77	JULY 31	101.23
DEC. 3	111.27	FEB. 22	96.17	MAY 6	86.54	AUG. 29	119.98
DEC. 6	109.88	MAR. 3	92.50	MAY 30	91.78	SEP. 29	120.33

EAST BATON ROUGE PARISH

302932091101903 LOCAL WELL NUMBER: EB-946

OWNER: U. S. GEOL. SURVEY. (SEC. 43, T. 65., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1,234 FT, SCREENED 1,224-1,234. MP TOP INSIDE EDGE OF SIDE OPENING OF 2-IN TEE ON LINER, 2.02 FT ABOVE LSD.
 LSD 59.00 FT NGVD.
 HIGHEST WATER LEVEL 149.48 BELOW LSD, JULY 31, 1980.
 LOWEST WATER LEVEL 193.08 BELOW LSD, OCT. 2, 1978.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1979	170.15	JAN. 3, 1980	165.67	MAR. 24, 1980	165.57	JUNE 4, 1980	150.68
NOV. 2	180.13	JAN. 10	164.68	APR. 4	173.38	JUNE 30	156.38
NOV. 7	182.24	FEB. 4	165.01	MAY 1	162.82	JULY 31	149.48
DEC. 3	175.58	FEB. 22	177.38	MAY 6	159.65	AUG. 29	163.28
DEC. 6	177.08	MAR. 3	176.94	MAY 30	151.89	SEP. 29	171.28

303251091115001 LOCAL WELL NUMBER: EB-1000

OWNER: U. S. GEOL. SURVEY. (SEC. 69, T. 65., R. 1W.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 IN, DEPTH 2,926 FT, SCREENED 2,916-2,926. MP TOP EDGE OF 2 1/2-IN COLLAR, AT LSD.
 LSD 68.00 FT NGVD.
 HIGHEST WATER LEVEL 45.06 BELOW LSD, DEC. 19, 1977.
 LOWEST WATER LEVEL 57.53 BELOW LSD, FEB. 26, 1980.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1979	56.33	JAN. 24, 1980	56.71	MAR. 24, 1980	56.19	JUNE 3, 1980	55.51
DEC. 7	56.38	FEB. 26	57.53	MAY 6	56.07	JULY 10	55.60

302238091102501 LOCAL WELL NUMBER: EB-1015

OWNER: U. S. GEOL. SURVEY. (SEC. 74, T. 8S., R. 1W.) BORED OBSERVATION ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 171 FT, SCREENED 166-171. MP TOP EDGE OF 1 1/4-IN TO 3/4-IN REDUCER ATOP CASING, 2.39 FT ABOVE LSD.
 LSD 24.78 FT NGVD.
 HIGHEST WATER LEVEL 3.69 ABOVE LSD, MAY 5, 1980.
 LOWEST WATER LEVEL 13.94 BELOW LSD, NOV. 8, 1979.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	13.94	JAN. 22, 1980	7.11	MAY 5, 1980	3.69	JULY 11, 1980	11.87

302919091020501 LOCAL WELL NUMBER: EB-1019

OWNER: U. S. GEOL. SURVEY. (SEC. 52, T. 6S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 700 FT, SCREENED 690-700. MP TOP OF 2-IN CASING, 1.60 FT ABOVE LSD.
 LSD 49.00 FT NGVD.
 HIGHEST WATER LEVEL 38.88 BELOW LSD, MAY 7, 1980.
 LOWEST WATER LEVEL 41.34 BELOW LSD, DEC. 19, 1979.
 RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 19, 1979	41.34	MAY 7, 1980	38.88				

EAST FELICIANA PARISH

304951091115102 LOCAL WELL NUMBER: EF-55

OWNER: E. LOUISIANA STATE HOSPITAL. (SEC. 59, T. 2S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN ZONE 2 AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 6 IN, REPORTED DEPTH 1350 FT, SCREENED INTERVAL 1290-1350. MP TOP EDGE OF 1-IN NIPPLE, 0.20 FT ABOVE LSD.
 LSD 225.00 FT NGVD.
 HIGHEST WATER LEVEL 122.23 BELOW LSD, MAY 7, 1957.
 LOWEST WATER LEVEL 193.90 BELOW LSD, MAY 7, 1979.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1979	193.63	JAN. 14, 1980	193.44	APR. 28, 1980	193.80		

See footnotes at end of table.

GROUND-WATER LEVELS
EAST FELICIANA PARISH

305144091010901 LOCAL WELL NUMBER: EF-61

OWNER: TOWN OF CLINTON, (SEC. 83, T. 25., R. 2E.) DRILLED UNUSED ARTESIAN WELL IN ZONE 1 AQUIFER OF PLIOCENE AGE, DIAM 6 IN, REPORTED DEPTH 305 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF 1/2-IN UNION, 1.55 FT ABOVE LSD.
LSD 210.00 FT NGVD.
HIGHEST WATER LEVEL 63.76 BELOW LSD, MAY 16, 1961,
LOWEST WATER LEVEL 81.95 BELOW LSD, NOV. 5, 1979.
RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1979	81.95	APR. 28, 1980	81.30				

305152091010201 LOCAL WELL NUMBER: EF-73R

OWNER: TOWN OF CLINTON, (SEC. 83, T. 25., R. 2E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 3 AQUIFER OF MIOCENE AGE, DIAM 12 IN, REPORTED DEPTH 1966 FT, SCREENED 1688-1718, 1773-1795, 1862-1872, 1880-1900, 1917-1929, AND 1948-1966, MP TOP EDGE OF BREATHER HOLE IN PLATE ATOP 12-IN CASING, 1.62 FT ABOVE LSD.
LSD 195.00 FT NGVD.
HIGHEST WATER LEVEL 93.01 BELOW LSD, MAR. 5, 1959,
LOWEST WATER LEVEL 126.35 BELOW LSD, NOV. 5, 1979.
RECORDS AVAILABLE 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1979	126.35	APR. 28, 1980	126.00				

304959091093001 LOCAL WELL NUMBER: EF-185

OWNER: F. LOUISIANA STATE HOSPITAL, (SEC. 45, T. 25., R. 1E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 2 AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 14 TO 12 TO 10 IN, REPORTED DEPTH 1514 FT, SCREENED INTERVAL UNKNOWN, MP LOWER EDGE OF 1-IN ACCESS PIPE, 1.48 FT ABOVE LSD.
LSD 228.00 FT NGVD.
HIGHEST WATER LEVEL 118.54 BELOW LSD, MAY 16, 1961,
LOWEST WATER LEVEL 187.79 BELOW LSD, JULY 7, 1980.
RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 7, 1980	187.79						

304309091083201 LOCAL WELL NUMBER: EF-223

OWNER: TOWN OF SLAUGHTER, (SEC. 7, T. 4S., R. 1E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 10 IN, DEPTH 2000 FT, SCREENED 1935-2000, MP TOP OF SANITARY SEAL, 1.00 FT ABOVE LSD.
LSD 135.00 FT NGVD.
HIGHEST WATER LEVEL 102.50 BELOW LSD, FEB. 6, 1978,
LOWEST WATER LEVEL 117.60 BELOW LSD, NOV. 15, 1977.
RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1979	109.80	JAN. 14, 1980	111.83	APR. 28, 1980	111.60	JULY 8, 1980	108.10

305052091060001 LOCAL WELL NUMBER: EF-241

OWNER: P. CRAIN, (SEC. 27, T. 25., R. 1E.) BORED DOMESTIC WATER-TABLE WELL IN QUATERNARY UPLAND DEPOSITS OF PLEISTOCENE AGE, DIAM 8 IN, DEPTH 96 FT, OPEN END CASING, MP TOP INSIDE EDGE OF 8-IN CONCRETE CASING, 0.60 FT ABOVE LSD.
LSD 250.00 FT NGVD.
HIGHEST WATER LEVEL 68.80 BELOW LSD, JUNE 7, 1978,
LOWEST WATER LEVEL 73.48 BELOW LSD, MAY 7, 1979.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1979	70.43	JAN. 14, 1980	70.65	APR. 28, 1980	70.43		

IBERVILLE PARISH

302920091311101 LOCAL WELL NUMBER: IB-9

OWNER: TOWN OF MARINGOUIN. (SEC. 29, T. 7S., R. 9E.) DRILLED UNUSED PUBLIC-SUPPLY WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1180 FT, SCREENED INTERVAL UNKNOWN, MP LOWER EDGE OF 1/2-IN HOLE IN SIDE OF CASING, 0.80 FT ABOVE LSD.
 LSD 23.00 FT NGVD.
 HIGHEST WATER LEVEL 30.00 ABOVE LSD, DEC. 27, 1951;
 LOWEST WATER LEVEL 29.50 BELOW LSD, NOV. 7, 1978.
 RECORDS AVAILABLE 1951, 1971, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1979	28.70	MAY 9, 1980	28.20				

302919091311101 LOCAL WELL NUMBER: IB-29

OWNER: TOWN OF MARINGOUIN. (SEC. 29, T. 7S., R. 9E.) DRILLED UNUSED PUBLIC-SUPPLY WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 6 IN, DEPTH 1964 FT, SCREENED 1880-1964, MP HOLE IN SANITARY SEAL, 1.60 FT ABOVE LSD.
 LSD 23.00 FT NGVD.
 HIGHEST WATER LEVEL 58.90 ABOVE LSD, DEC. 15, 1951;
 LOWEST WATER LEVEL 25.70 BELOW LSD, NOV. 15, 1979.
 RECORDS AVAILABLE 1951, 1960, 1970, 1971, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1979	25.70	MAY 9, 1980	25.20				

302520091261501 LOCAL WELL NUMBER: IB-39R

OWNER: VILLAGE OF GROSSE TETE. (SEC. 38, T. 7S., R. 10E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 8 IN, DEPTH 2,504 FT, SCREENED 2444-2504, MP CENTERLINE OF GAGE IN TOP OF DISCHARGE PIPE, 3.20 FT ABOVE LSD (SINCE 5/9/80).
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 64.70 ABOVE LSD, NOV. 4, 1955;
 LOWEST WATER LEVEL 4.00 ABOVE LSD, MAY 9, 1980.
 RECORDS AVAILABLE 1955, 1960, 1977-78, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 9, 1980	4.00						

JEFFERSON DAVIS PARISH

301355092463001 LOCAL WELL NUMBER: JD-9

OWNER: WELSH CANAL CO. (SEC. 34, T. 9S., R. 4W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, DEPTH 318 FT, SCREENED 238-318, MP LOWER LIP OF DISCHARGE PIPE, 4.55 FT ABOVE LSD.
 LSD 24.10 FT NGVD.
 HIGHEST WATER LEVEL 19.52 BELOW LSD, MAR. 29, 1943;
 LOWEST WATER LEVEL 95.00 BELOW LSD, JULY 21, 1980.
 RECORDS AVAILABLE 1938-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 26, 1979	70.38	FEB. 25, 1980	61.27	MAY 22, 1980	73.01	AUG. 25, 1980	85.15
DEC. 21	64.03	MAR. 24	67.66	JUNE 19	93.00E	SEP. 24	85.29
JAN. 23, 1980	65.03	APR. 16	64.78	JULY 21	95.00E		

See footnotes at end of table.

GROUND-WATER LEVELS
JEFFERSON DAVIS PARISH

301300092584503 LOCAL WELL NUMBER: JD-485A

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 10S., R. 6W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 290 FT, SCREENED 270-290, MP TOP OF 4-IN CASING COLLAR, 3.00 FT ABOVE LSD.
LSD 21.36 FT NGVD.
HIGHEST WATER LEVEL 56.78 BELOW LSD, FEB. 20, 1980.
LOWEST WATER LEVEL 107.41 BELOW LSD, JULY 19, 1980.
RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1979	64.94H	JAN. 5, 1980	58.76	APR. 5, 1980	62.01	JULY 5, 1980	103.52
OCT. 5	64.82	JAN. 9	58.57H	APR. 10	59.55	JULY 10	100.33
OCT. 10	65.41	JAN. 10	58.53	APR. 15	59.70	JULY 15	101.70
OCT. 15	65.36	JAN. 15	58.37	APR. 16	59.86H	JULY 19	107.41J
OCT. 20	64.23	JAN. 20	58.14	APR. 20	62.77	JULY 20	104.12
OCT. 22	63.98H	JAN. 23	57.90H	APR. 25	72.87	JULY 21	100.56H
OCT. 25	63.38	JAN. 25	57.82	APR. 30	64.56	JULY 25	92.64
OCT. 31	62.50	JAN. 31	57.62	MAY 5	64.94	JULY 31	84.91
NOV. 5	62.49	FEB. 5	57.42	MAY 10	83.34	AUG. 5	81.47
NOV. 10	61.97	FEB. 10	57.18	MAY 15	78.34	AUG. 10	79.08
NOV. 15	61.74	FEB. 15	57.02	MAY 20	71.87	AUG. 15	77.64
NOV. 20	61.25	FEB. 20	56.78	MAY 23	72.80H	AUG. 20	77.19
NOV. 25	60.72	FEB. 25	57.18H	MAY 25	83.60	AUG. 25	76.23H
NOV. 26	60.70H	FEB. 29	57.57	MAY 31	93.33	AUG. 31	75.39
NOV. 30	60.98	MAR. 5	57.16	JUNE 5	92.21	SEP. 5	73.98
DEC. 5	61.09	MAR. 10	58.16	JUNE 10	100.48	SEP. 10	72.78
DEC. 10	60.51	MAR. 15	59.00	JUNE 15	96.40	SEP. 15	73.17
DEC. 15	59.97	MAR. 20	63.40	JUNE 19	99.60H	SEP. 20	72.77
DEC. 20	59.87	MAR. 24	60.19H	JUNE 20	103.40	SEP. 23	72.10H
DEC. 21	59.87H	MAR. 25	60.26	JUNE 25	88.60	SEP. 25	72.03
DEC. 25	59.46	MAR. 31	59.18	JUNE 30	86.59	SEP. 30	70.64
DEC. 31	59.01						

LAFAYETTE PARISH

301407092000901 LOCAL WELL NUMBER: LF-516

OWNER: CITY OF LAFAYETTE. (IRREG. SEC. 101, T. 9S., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN, DEPTH 286 FT, SCREENED 271-286, MP TOP OF 4-IN CASING, 0.50 FT ABOVE LSD.
LSD 40.37 FT NGVD.
HIGHEST WATER LEVEL 34.13 BELOW LSD, MAR. 23, 1959.
LOWEST WATER LEVEL 47.40 BELOW LSD, DEC. 27, 1979.
RECORDS AVAILABLE 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 23, 1979	44.24	FEB. 21, 1980	44.10	MAY 23, 1980	42.67	AUG. 25, 1980	44.34
DEC. 27	47.40	MAR. 19	44.17	JUNE 24	42.87	SEP. 24	44.94
JAN. 23, 1980	44.20	APR. 15	43.48	JULY 22	43.56		

LIVINGSTON PARISH

302804090581802 LOCAL WELL NUMBER: LI-26R

OWNER: CLIFF MACK. (SEC. 67, T. 7S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 IN, DEPTH 1305 FT, SCREENED 1289-1305, MP TOP OF 2-IN CASING, 0.77 FT ABOVE LSD.
LSD 37.00 FT NGVD.
HIGHEST WATER LEVEL 3.53 BELOW LSD, JULY 1, 1957.
LOWEST WATER LEVEL 59.13 BELOW LSD, NOV. 2, 1978.
RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1979	57.48	MAY 7, 1980	53.88				

See footnotes at end of table.

LIVINGSTON PARISH

303034090380301 LOCAL WELL NUMBER: LI-52

OWNER: COY KINCEN. (SEC. 20, T. 6S., R. 6E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1865 FT, SCREENED 1825-1865. MP CENTERLINE OF 3/4-IN TEE, 1.20 FT ABOVE LSD.
 LSD 46.00 FT NGVD.
 HIGHEST WATER LEVEL 116.20 ABOVE LSD, NOV. 30, 1950,
 LOWEST WATER LEVEL 49.20 ABOVE LSD, MAY 4, 1979.
 RECORDS AVAILABLE 1950-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1979	50.20	APR. 29, 1980	53.20				

302826090344901 LOCAL WELL NUMBER: LI-54

OWNER: ST. MARGARET'S CATHOLIC CHURCH. (SEC. 2, T. 7S., R. 6E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 IN, DEPTH 2144 FT, SCREENED 2104-2144. MP CENTERLINE OF 2-IN TEE, 0.80 FT ABOVE LSD.
 LSD 33.00 FT NGVD.
 HIGHEST WATER LEVEL 121.80 ABOVE LSD, NOV. 30, 1954, JAN. 10, 1955, FEB. 1, 1955,
 LOWEST WATER LEVEL 65.80 ABOVE LSD, NOV. 2, 1978.
 RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1979	66.80	JAN. 30, 1980	68.80	MAY 2, 1980	70.80		

302959090563401 LOCAL WELL NUMBER: LI-92

OWNER: CITY OF DENHAM SPRINGS. (SEC. 48, T. 6S., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 10 IN, DEPTH 2100 FT, SCREENED INTERVAL UNKNOWN. MP TOP EDGE OF 1/2-IN NIPPLE, 0.80 FT ABOVE LSD.
 LSD 51.00 FT NGVD.
 HIGHEST WATER LEVEL 35.05 BELOW LSD, NOV. 14, 1977,
 LOWEST WATER LEVEL 70.20 BELOW LSD, NOV. 14, 1979.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1979	70.20	JAN. 17, 1980	68.60	MAY 7, 1980	67.50	JULY 11, 1980	68.45

302956090504601 LOCAL WELL NUMBER: LI-113

OWNER: W. K. COBURN. (SEC. 30, T. 6S., R. 4E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 3 IN, REPORTED DEPTH 1300 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF COLLAR ABOVE VALVE, 1.50 FT ABOVE LSD.
 LSD 48.00 FT NGVD.
 HIGHEST WATER LEVEL 9.56 BELOW LSD, MAY 11, 1970,
 LOWEST WATER LEVEL 15.40 BELOW LSD, NOV. 14, 1979.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1979	15.40	JAN. 17, 1980	15.20	MAR. 27, 1980	15.15	JUNE 11, 1980	15.20
DEC. 10	15.30	FEB. 20	15.25	MAY 7	15.20		

POINTE COUPEE PARISH

304939091422101 LOCAL WELL NUMBER: PC-39

OWNER: C. FLINT. (SEC. 13, T. 3S., R. 7E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 IN, REPORTED DEPTH 460 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF REDUCER AT WELL, 1.30 FT ABOVE LSD.
 LSD 41.00 FT NGVD.
 HIGHEST WATER LEVEL 3.19 ABOVE LSD, MAY 23, 1973,
 LOWEST WATER LEVEL 26.64 BELOW LSD, DEC. 4, 1963.
 RECORDS AVAILABLE 1961, 1963-64, 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1979	19.50	JAN. 14, 1980	14.20	MAY 9, 1980	7.00		

See footnotes at end of table.

GROUND-WATER LEVELS

POINTE COUPEE PARISH

304645091434901 LOCAL WELL NUMBER: PC-49

OWNER: U. S. GEOL. SURVY. (SEC. 32, T. 35., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 137 FT, SCREENED 132-137. MP TOP OF 4-IN CASING, 1.00 FT ABOVE LSD.
 LSD 36.00 FT NGVD.
 HIGHEST WATER LEVEL 0.59 BELOW LSD, MAR. 29, 1962.
 LOWEST WATER LEVEL 28.95 BELOW LSD, NOV. 4, 1963.
 RECORDS AVAILABLE 1955-68, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1979	22.40	JAN. 14, 1980	16.40	MAY 9, 1980	8.00		

303556091234001 LOCAL WELL NUMBER: PC-66

OWNER: MRS. ST. GEORGE HINES. (SEC. 48, T. 5S., R. 11E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN, REPORTED DEPTH 1530 FT, SCREENED 1490-1530. MP TOP OF SANITARY SEAL, 2.30 FT ABOVE LSD.
 LSD 33.00 FT NGVD.
 HIGHEST WATER LEVEL 33.79 BELOW LSD, JUNE 16, 1970.
 LOWEST WATER LEVEL 56.55 BELOW LSD, NOV. 15, 1979.
 RECORDS AVAILABLE 1970, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1979	56.55	JAN. 14, 1980	54.30	MAY 9, 1980	54.50		

303402091325501 LOCAL WELL NUMBER: PC-70

OWNER: THEO H. GLAZIER, SR. (SEC. 16, T. 6S., R. 9E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN, REPORTED DEPTH 2294 FT, SCREENED 2259-2294. MP CENTERLINE OF TFF, 0.80 FT ABOVE LSD.
 LSD 26.00 FT NGVD.
 HIGHEST WATER LEVEL 69.50 ABOVE LSD, JULY 15, 1960.
 LOWEST WATER LEVEL 9.90 ABOVE LSD, JAN. 15, 1980.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1979	10.00	JAN. 15, 1980	9.90				

303357091330401 LOCAL WELL NUMBER: PC-138

OWNER: VILLAGE OF LIVONIA. (SEC. 16, T. 6S., R. 9E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 1/2 IN, REPORTED DEPTH 1637 FT, SCREENED 1617-1637. MP TOP OF 3/4-IN PLUG IN TOP OF WELL, 1.56 FT ABOVE LSD.
 LSD 27.00 FT NGVD.
 HIGHEST WATER LEVEL 16.64 BELOW LSD, MAY 23, 1973.
 LOWEST WATER LEVEL 30.64 BELOW LSD, MAY 9, 1980.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1979	30.39	JAN. 15, 1980	30.44	MAY 9, 1980	30.64		

305023091393901 LOCAL WELL NUMBER: PC-143

OWNER: U. S. GEOL. SURVEY. (SEC. 37, T. 3S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,800-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 IN, DEPTH 1228 FT, SCREENED 1218-1228. MP 3/8-IN HOLE IN 2-IN PLUG ATOP WELL, 2.50 FT ABOVE LSD.
 LSD 41.00 FT NGVD.
 HIGHEST WATER LEVEL 18.60 ABOVE LSD, APR. 17, 1968.
 LOWEST WATER LEVEL 2.30 BELOW LSD, NOV. 7, 1978.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1979	2.20	MAY 9, 1980	0.50				

See footnotes at end of table.

305023091393902 LOCAL WELL NUMBER: PC-144

OWNER: U. S. GEOL. SURVEY. (SEC. 37, T. 35., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 IN, DEPTH 835 FT, SCREENED 825-835. MP CENTER OF GAGE IN BUSHING ATOP CASING, 2.66 FT ABOVE LSD.
 LSD 41.00 FT NGVD.
 HIGHEST WATER LEVEL 12.20 ABOVE LSD, APR. 17, 1968.
 LOWEST WATER LEVEL 3.64 BELOW LSD, NOV. 15, 1979.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1979	3.64	MAY 9, 1980	2.24				

303835091202401 LOCAL WELL NUMBER: PC-146

OWNER: GLYNN WATER WORKS. (SEC. 56, T. 55., R. 11E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 IN, DEPTH 1785 FT, SCREENED 1765-1785. MP TOP OF SANITARY SEAL, 1.15 FT ABOVE LSD.
 LSD 33.00 FT NGVD.
 HIGHEST WATER LEVEL 4.95 BELOW LSD, JUNE 20, 1974.
 LOWEST WATER LEVEL 20.55 BELOW LSD, MAR. 5, 1979.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1979	18.55	JAN. 14, 1980	16.35	MAY 9, 1980	18.85		

303538091232501 LOCAL WELL NUMBER: PC-154

OWNER: ALMA PLANTATION. (SEC. 48, T. 55., R. 11E.) DRILLED INDUSTRIAL ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 12 IN, DEPTH 1263 FT, SCREENED 1174-1228, 1237-1263. MP 3/4-IN PLUG IN SANITARY SEAL, 1.16 FT ABOVE LSD.
 LSD 36.00 FT NGVD.
 HIGHEST WATER LEVEL 37.84 BELOW LSD, AUG. 4, 1975.
 LOWEST WATER LEVEL 59.44 BELOW LSD, JAN. 14, 1980.
 RECORDS AVAILABLE 1972-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1979	58.14	JAN. 14, 1980	59.44	MAY 9, 1980	50.04		

303250091365001 LOCAL WELL NUMBER: PC-155

OWNER: JOHN BLANCHARD. (SEC. 31, T. 6S., R. 8E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, REPORTED DEPTH 990 FT, SCREENED 970-990. MP TOP OF BOLT HOLE ON NW SIDE OF SANITARY SEAL, 0.35 FT ABOVE LSD.
 LSD 25.00 FT NGVD.
 HIGHEST WATER LEVEL 19.20 BELOW LSD, AUG. 5, 1975.
 LOWEST WATER LEVEL 25.65 BELOW LSD, NOV. 15, 1979.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1979	25.65	JAN. 15, 1980	25.55	MAY 9, 1980	25.35		

303735091211701 LOCAL WELL NUMBER: PC-156

OWNER: MRS. EMMA MOUNGER. (SEC. 50, T. 5S., R. 11E.) DRILLED DOMESTIC ARTESIAN WELL IN MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLIOCENE AGE, DIAM 4 IN, ESTIMATED DEPTH 180 FT, SCREENED INTERVAL UNKNOWN. MP 1/2-IN HOLE IN SANITARY SEAL, 0.60 FT ABOVE LSD.
 LSD 35.00 FT NGVD.
 HIGHEST WATER LEVEL 6.80 BELOW LSD, APR. 17, 1973.
 LOWEST WATER LEVEL 23.55 BELOW LSD, NOV. 19, 1976.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1979	19.55	JAN. 14, 1980	12.70	MAY 9, 1980	9.90		

GROUND-WATER LEVELS

ST. CHARLES PARISH

300022090241001 LOCAL WELL NUMBER: SC-9

OWNER: SHELL OIL CO. (SEC. 6, T. 12S., R. 8E.) DRILLED UNUSED ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 24 IN, DEPTH 808 FT, SCREENED 673-808. MP TOP OF COVER PLATE, AT LSD. (RECORDED REMOVED 6/6/80.)
 LSD 4.79 FT NGVD.
 HIGHEST WATER LEVEL 12.40 BELOW LSD, JAN. 19, 1950,
 LOWEST WATER LEVEL 39.98 BELOW LSD, SEP. 14, 1953.
 RECORDS AVAILABLE 1943, 1949-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1979	28.36H	DEC. 7, 1979	28.65H	FEB. 20, 1980	28.59	APR. 25, 1980	27.84
OCT. 5	28.37	DEC. 10	28.68	FEB. 25	28.61	APR. 30	28.04
OCT. 10	28.55	DEC. 15	28.64	FEB. 29	28.74	MAY 5	28.29
OCT. 15	28.64	DEC. 20	28.81	MAR. 5	28.61	MAY 10	28.58
OCT. 20	28.67	DEC. 25	28.72	MAR. 10	28.39	MAY 12	28.69H
OCT. 25	28.69	DEC. 31	28.82	MAR. 15	28.55	MAY 15	28.72
OCT. 31	28.71	JAN. 5, 1980	28.83	MAR. 20	28.18	MAY 20	28.29
NOV. 5	28.79	JAN. 10	28.74	MAR. 25	28.09	MAY 25	28.29
NOV. 10	28.80	JAN. 15	28.68	MAR. 31	27.72	MAY 31	28.28
NOV. 14	28.81H	JAN. 20	28.72	APR. 5	27.65	JUNE 5	28.29
NOV. 15	28.80	JAN. 25	28.72	APR. 7	27.60H	JUNE 6	28.38
NOV. 20	28.89	JAN. 31	28.61	APR. 10	27.65	JULY 28	28.70
NOV. 25	28.67	FEB. 5	28.72	APR. 15	27.40	AUG. 13	28.74
NOV. 30	28.80	FEB. 10	28.68	APR. 20	27.68	SEP. 24	28.75
DEC. 5	28.76	FEB. 15	28.70				

300022090241002 LOCAL WELL NUMBER: SC-14

OWNER: SHELL OIL CO. (SEC. 6, T. 12S., R. 8E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 18 IN, DEPTH 404 FT, SCREENED 324-404. MP BOTTOM EDGE OF DOOR ON CULVERT, 1.35 FT ABOVE LSD (SINCE 7/28/80).
 LSD 5.51 FT NGVD.
 HIGHEST WATER LEVEL 27.21 BELOW LSD, DEC. 15, 1979,
 LOWEST WATER LEVEL 90.74 BELOW LSD, SEP. 17, 1957.
 RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1979	35.79H	DEC. 5, 1979	28.36	JUNE 10, 1980	42.20	AUG. 10, 1980	41.52
OCT. 5	35.95	DEC. 7	28.09H	JUNE 15	41.99	AUG. 13	42.05H
OCT. 10	35.38	DEC. 10	27.58	JUNE 20	42.15	AUG. 15	42.17
OCT. 15	35.21	DEC. 15	27.21	JUNE 25	42.10	AUG. 20	41.96
OCT. 20	34.95	DEC. 20	27.71	JUNE 30	42.12	AUG. 25	41.91
OCT. 25	35.31	DEC. 25	27.99	JULY 5	41.92	AUG. 31	42.26
OCT. 31	34.89	DEC. 31	27.28	JULY 10	42.25	SEP. 5	41.79
NOV. 5	35.36	JAN. 5, 1980	27.37	JULY 15	42.10	SEP. 10	41.77
NOV. 10	35.07	JAN. 10	27.37	JULY 20	41.66	SEP. 15	41.52
NOV. 14	33.85H	APR. 7	41.32H	JULY 25	41.52	SEP. 20	42.02
NOV. 15	33.93	MAY 12	42.33H	JULY 28	41.46H	SEP. 24	42.09H
NOV. 20	29.05	MAY 15	35.25	JULY 31	41.71	SEP. 25	42.01
NOV. 25	28.36	MAY 20	40.41	AUG. 5	41.64	SEP. 30	42.02
NOV. 30	28.36	JUNE 6	41.79H				

295635090193701 LOCAL WELL NUMBER: SC-24

OWNER: INTL. TANK TERMINAL. (SEC. 40, T. 13S., R. 9E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 18 IN, DEPTH 492 FT, SCREENED 439-492. MP TOP EDGE OF HOLE IN STEEL PLATE OVER TOP OF WELL, 2.78 FT ABOVE LSD (SINCE 5/12/80).
 LSD 12.00 FT NGVD.
 HIGHEST WATER LEVEL 12.44 BELOW LSD, APR. 20, 1976,
 LOWEST WATER LEVEL 29.45 BELOW LSD, NOV. 4, 1965.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1979	16.13	JUNE 17, 1980	16.54				

295556090214201 LOCAL WELL NUMBER: SC-80

OWNER: AMBROSE CHAMPAGNE. (SEC. 15, T. 13S., R. 21E.) DRILLED UNUSED ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 1 1/4 IN, DEPTH 256 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF FITTING IN TOP OF TEE ATOP CASING, 0.90 FT ABOVE LSD.
 LSD 13.00 FT NGVD.
 HIGHEST WATER LEVEL 8.01 BELOW LSD, MAY 21, 1979,
 LOWEST WATER LEVEL 28.40 BELOW LSD, JAN. 30, 1957.
 RECORDS AVAILABLE 1957-61, 1963, 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1979	12.00	MAY 9, 1980	9.90				

See footnotes at end of table.

ST. CHARLES PARISH

295950090283001 LOCAL WELL NUMBER: SC-82

OWNER: LA. POWER & LIGHT CO. (SEC. 26, T. 12S., R. 20E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 373 FT, SCREENED INTERVAL UNKNOWN, MP TOP EDGE OF HOLE IN 4-IN CAP AT TOP OF 4-IN CASING EXTENSION, 4.69 FT ABOVE LSD.
 LSD 12.00 FT NGVD.
 HIGHEST WATER LEVEL 17.63 BELOW LSD, MAY 21, 1979,
 LOWEST WATER LEVEL 36.34 BELOW LSD, NOV. 4, 1958.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1979	20.60	JAN. 31, 1980	18.85	MAY 9, 1980	20.22		

295633090193101 LOCAL WELL NUMBER: SC-102

OWNER: U. S. GEOL. SURVEY. (SEC. 40, T. 13S., R. 9E.) BORED OBSERVATION ARTESIAN WELL IN POINT-BAR DEPOSITS OF HOLOCENE AGE, DIAM 1 1/4 IN, DEPTH 62.5 FT, SCREENED 60-62.5, MP TOP OF CASING, AT LSD.
 LSD 12.00 FT NGVD.
 HIGHEST WATER LEVEL 1.75 ABOVE LSD, MAY 18, 1973,
 LOWEST WATER LEVEL 13.30 BELOW LSD, NOV. 9, 1978.
 RECORDS AVAILABLE 1960-66, 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1979	8.17	MAY 12, 1980	5.27				

295747090242501 LOCAL WELL NUMBER: SC-174

OWNER: U. S. GEOL. SURVEY. (SEC. 17, T. 13S., R. 20E.) DRILLED OBSERVATION ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 272 FT, SCREENED 262-272, MP TOP OF 2-IN CASING COLLAR, AT LSD.
 LSD 14.00 FT NGVD.
 HIGHEST WATER LEVEL 15.98 BELOW LSD, JULY 30, 1980,
 LOWEST WATER LEVEL 15.98 BELOW LSD, JULY 30, 1980.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 30, 1980	15.98						

ST. HELENA PARISH

304051090385401 LOCAL WELL NUMBER: SH-7

OWNER: ST. HELENA WATER SYSTEMS, INC. (SEC. 51, T. 4S., R. 6E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN AMITE AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 4 IN, DEPTH 2082 FT, SCREENED 2052-2082, MP HOLE IN SANITARY SEAL, 2.00 FT ABOVE LSD.
 LSD 130.00 FT NGVD.
 HIGHEST WATER LEVEL 39.10 ABOVE LSD, MAR. 18, 1955,
 LOWEST WATER LEVEL 24.35 BELOW LSD, NOV. 6, 1979.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979	24.35	JAN. 16, 1980	23.95	MAY 1, 1980	24.15		

305300090502701 LOCAL WELL NUMBER: SH-9

OWNER: TWO-B RANCH. (SEC. 73, T. 2S., R. 4E.) DRILLED DOMESTIC AND STOCK ARTESIAN WELL IN ZONE 3 SAND OF MIOCENE AGE, DIAM 4 IN, DEPTH 2135 FT, SCREENED 2106-2135, MP 3/8-IN HOLE IN TOP OF WELL SEAL, 1.28 FT ABOVE LSD.
 LSD 165.00 FT NGVD.
 HIGHEST WATER LEVEL 54.56 BELOW LSD, SEP. 13, 1960,
 LOWEST WATER LEVEL 78.82 BELOW LSD, JAN. 31, 1978.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979	76.67	JAN. 21, 1980	76.42	MAY 1, 1980	78.42		

GROUND-WATER LEVELS

ST. JAMES PARISH

295906090502001 LOCAL WELL NUMBER: SJ-24

OWNER: EXXON CO., U.S.A. (SEC. 8, T. 12S., R. 16E.) DRILLED STOCK ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 281 FT, SCREENED INTERVAL UNKNOWN, MP TOP INSIDE EDGE OF OPENING IN TEE, 0.99 FT ABOVE LSD.
 LSD 11.00 FT NGVD.
 HIGHEST WATER LEVEL 3.75 ABOVE LSD, MAY 17, 1973.
 LOWEST WATER LEVEL 25.50 BELOW LSD, AUG. 6, 1957.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1979	12.33	MAY 9, 1980	0.41				

300449090520201 LOCAL WELL NUMBER: SJ-41

OWNER: HELVETIA SUGAR COOP., INC. (SEC. 38, T. 11S., R. 3E.) DRILLED INDUSTRIAL ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN, DEPTH 441 FT, SCREENED 399-441, MP TOP OF 8-IN CASING COLLAR, 1.00 FT ABOVE LSD.
 LSD 17.80 FT NGVD.
 HIGHEST WATER LEVEL 0.07 BELOW LSD, MAY 18, 1979.
 LOWEST WATER LEVEL 15.65 BELOW LSD, OCT. 15, 1973.
 RECORDS AVAILABLE 1948, 1958-64, 1966-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 8, 1980	3.12						

300024090433501 LOCAL WELL NUMBER: SJ-86

OWNER: DELPHINE PLANTING CO. (SEC. 20, T. 12S., R. 17E.) DRILLED UNUSED ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 3 IN, DEPTH 290 FT, SCREENED 280-290, MP TOP OF 2-IN NIPPLE EXTENDING FROM TOP OF CASING COLLAR, 1.44 FT ABOVE LSD.
 LSD 18.30 FT NGVD.
 HIGHEST WATER LEVEL 3.79 BELOW LSD, MAY 21, 1979.
 LOWEST WATER LEVEL 19.00 BELOW LSD, OCT. 31, 1963.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1979	14.43	JAN. 31, 1980	11.21	MAY 9, 1980	6.96	JULY 15, 1980	14.00

300433090403701 LOCAL WELL NUMBER: SJ-186

OWNER: U. S. GEOL. SURVEY. (SEC. 43, T. 11S., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 230 FT, SCREENED 220-230, MP TOP OF 2-IN CASING, 1.00 FT ABOVE LSD.
 LSD 4.00 FT NGVD.
 HIGHEST WATER LEVEL 3.82 ABOVE LSD, MAY 9, 1979.
 LOWEST WATER LEVEL 8.61 BELOW LSD, NOV. 9, 1978.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 4, 1979	3.37	JAN. 28, 1980	3.00	APR. 7, 1980	0.13	AUG. 13, 1980	5.85
NOV. 14	5.20	FEB. 29	4.14	MAY 8	1.07	SEP. 24	6.27
DEC. 7	3.92						

ST. JOHN THE BAPTIST PARISH

300240090265601 LOCAL WELL NUMBER: SJB-17

OWNER: J. ESPARROS. (SEC. 54, T. 11S., R. 7E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 310 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF HOLE IN PLATE, 1.00 FT ABOVE LSD.
 LSD 5.76 FT NGVD.
 HIGHEST WATER LEVEL 16.60 BELOW LSD, JAN. 28, 1980.
 LOWEST WATER LEVEL 41.59 BELOW LSD, JAN. 23, 1957.
 RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1979	19.09	JAN. 28, 1980	16.60	MAY 12, 1980	19.75	JULY 15, 1980	21.18

See footnotes at end of table.

300408090375401 LOCAL WELL NUMBER: SJR-21

OWNER: TROXCLAIR BROS. (SEC. 73, T. 11S., R. 6E.) DRILLED UNUSED ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 1/2 IN, DEPTH 241 FT, SCREENED 231-241, MP TOP OF 2-IN CASING, 0.85 FT ABOVE LSD.
 LSD 4.42 FT NGVD.
 HIGHEST WATER LEVEL 3.98 ABOVE LSD, MAY 18, 1979.
 LOWEST WATER LEVEL 9.01 BELOW LSD, DEC. 10, 1963.
 RECORDS AVAILABLE 1956, 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1979	4.65	MAY 8, 1980	1.39				

300420090344101 LOCAL WELL NUMBER: SJR-53

OWNER: GULF STATES LAND AND INDUSTRIES, INC. (SEC. 32, T. 11S., R. 6E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 345 FT, SCREENED 305-345, MP TOP OF 3 X 3/4-IN RUSHING, 1.57 FT ABOVE LSD.
 LSD 7.90 FT NGVD.
 HIGHEST WATER LEVEL 3.09 BELOW LSD, MAY 17, 1973.
 LOWEST WATER LEVEL 15.12 BELOW LSD, OCT. 6, 1970.
 RECORDS AVAILABLE 1960-71, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1979	10.09	MAY 8, 1980	4.91				

300232090390405 LOCAL WELL NUMBER: SJR-144

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 12S., R. 18E.) DRILLED OBSERVATION ARTESIAN WELL IN OLDER DELTAIC DEPOSITS OF PLEISTOCENE AGE, DIAM 4 TO 2 IN, DEPTH 170 FT, SCREENED 158-170, MP TOP OF 4-IN CAP, 3.22 FT ABOVE LSD.
 LSD 17.75 FT NGVD.
 HIGHEST WATER LEVEL 3.15 ABOVE LSD, MAY 17, 1973.
 LOWEST WATER LEVEL 15.37 BELOW LSD, DEC. 11, 1963.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1979	8.24	DEC. 5, 1979	6.73	FEB. 27, 1980	9.78	JULY 15, 1980	11.35
NOV. 14	11.35	JAN. 31, 1980	6.30	MAY 9	2.09		

300234090390301 LOCAL WELL NUMBER: SJR-145

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 12S., R. 18E.) DRILLED OBSERVATION ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN, DEPTH 315 FT, SCREENED 305-315, MP TOP OF 4-IN CAP, 2.60 FT ABOVE LSD.
 LSD 17.71 FT NGVD.
 HIGHEST WATER LEVEL 3.91 BELOW LSD, MAY 17, 1973.
 LOWEST WATER LEVEL 21.34 BELOW LSD, JAN. 13, 1964.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 2, 1979	13.65	DEC. 5, 1979	12.74	FEB. 27, 1980	14.78	JULY 15, 1980	16.51
NOV. 14	16.05	JAN. 31, 1980	12.18	MAY 9	8.26		

300348090290801 LOCAL WELL NUMBER: SJR-156

OWNER: ST. JOHN THE BAPTIST WATERWORKS DISTRICT NO. 3. (SEC. 27, T. 11S., R. 7E.) DRILLED UNUSED ARTESIAN WELL IN NORCO AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN, DEPTH 359 FT, SCREENED 319-359, MP TOP INSIDE EDGE OF 1 1/4-IN COUPLING, 1.70 FT ABOVE LSD.
 LSD 10.00 FT NGVD.
 HIGHEST WATER LEVEL 22.36 BELOW LSD, JAN. 29, 1980.
 LOWEST WATER LEVEL 28.05 BELOW LSD, NOV. 9, 1978.
 RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1979	25.28	JAN. 29, 1980	22.36	MAY 12, 1980	24.30	JULY 15, 1980	25.93

See footnotes at end of table.

GROUND-WATER LEVELS
ST. JOHN THE BAPTIST PARISH

300310090281702 LOCAL WELL NUMBER: SJB-163B

OWNER: GUY REINE. (SEC. 30, T. 11S., R. 7E.) DRILLED DOMESTIC ARTESIAN WELL IN GONZALES-NEW ORLEANS AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 IN, DEPTH 635 FT, SCREENED 625-635, MP TOP OF 2-IN NIPPLE, 4.56 FT ABOVE LSD.
LSD 10.00 FT NGVD.
HIGHEST WATER LEVEL 21.05 BELOW LSD, MAY 22, 1973,
LOWEST WATER LEVEL 23.64 BELOW LSD, NOV. 22, 1977.
RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 14, 1979	23.00	JAN. 28, 1980	22.72	MAY 12, 1980	23.49	JULY 15, 1980	23.63

ST. MARTIN PARISH

301304091424001 LOCAL WELL NUMBER: SMN-108

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 9S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 505 FT, SCREENED 500-505, MP TOP OF 2-IN CASING, 2.72 FT ABOVE LSD.
LSD 11.34 FT NGVD.
HIGHEST WATER LEVEL 3.54 ABOVE LSD, APR. 13, 1973,
LOWEST WATER LEVEL 7.08 BELOW LSD, MAR. 7, 1977.
RECORDS AVAILABLE 1965-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 24, 1980	4.36						

301304091424002 LOCAL WELL NUMBER: SMN-109

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 9S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 375 FT, SCREENED 370-375, MP TOP OF 2-IN CASING, 2.40 FT ABOVE LSD.
LSD 11.34 FT NGVD.
HIGHEST WATER LEVEL 2.94 ABOVE LSD, FEB. 27, 1974,
LOWEST WATER LEVEL 7.29 BELOW LSD, MAR. 7, 1977.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 24, 1980	4.65						

ST. TAMMANY PARISH

302055090014601 LOCAL WELL NUMBER: ST-12

OWNER: LA. PARKS AND REC. COMM. (SEC. 37, T. 8S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN BIG BRANCH AQUIFER (ZONE 1) OF PLEISTOCENE AGE, DIAM 6 IN, DEPTH 1525 FT, SCREENED INTERVAL UNKNOWN, MP CENTERLINE OF 4-IN TEE, 2.30 FT BELOW LSD.
LSD 10.00 FT NGVD.
HIGHEST WATER LEVEL 55.90 ABOVE LSD, JULY 25, 1940,
LOWEST WATER LEVEL 23.50 ABOVE LSD, JAN. 7, 1970.
RECORDS AVAILABLE 1939-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979 +	29.50	JAN. 16, 1980 +	29.60	MAY 14, 1980 +	29.30	JULY 14, 1980 +	26.30

303529089550601 LOCAL WELL NUMBER: ST-16

OWNER: ROGALUSA TUNG OIL CO. (SEC. 29, T. 5S., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN ARITA AQUIFER (ZONE 2) OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 1000 FT, SCREENED INTERVAL UNKNOWN, MP CENTERLINE OF DISCHARGE PIPE, 4.00 FT ABOVE LSD.
LSD 78.00 FT NGVD.
HIGHEST WATER LEVEL 38.10 ABOVE LSD, JULY 11, 1946,
LOWEST WATER LEVEL 10.90 ABOVE LSD, MAY 17, 1977.
RECORDS AVAILABLE 1939-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1979 +	15.10	JAN. 17, 1980 +	16.20	APR. 30, 1980 +	16.30		

See footnotes at end of table.

302852090010601 LOCAL WELL NUMBER: ST-545

OWNER: WILLIAM BAGLEY, SR. (SEC. 32, T. 6S., R. 12E.) DRILLED DOMESTIC ARTESIAN WELL IN COVINGTON AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 2 1/2 IN, REPORTED DEPTH 1598 FT, SCREENED 1548-1598, MP TOP EDGE OF CEMENT-BLOCK SECTION OF BUNKHOUSE WALL, 3.00 FT BELOW LSD, LSD 35.00 FT NGVD.
 HIGHEST WATER LEVEL 97.00 ABOVE LSD, MAR. 11, 1953,
 LOWEST WATER LEVEL 47.20 ABOVE LSD, JULY 19, 1979.
 RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979 +	52.20	JAN. 17, 1980 +	50.00	APR. 29, 1980 +	50.60		

302406090093101 LOCAL WELL NUMBER: ST-562

OWNER: TOWN OF MADISONVILLE. (SEC. 39, T. 7S., R. 10E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN COVINGTON AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 10 IN, DEPTH 1901 FT, SCREENED 1840-1901, MP CENTERLINE OF 4-IN DISCHARGE LINE, 3.10 FT ABOVE LSD, LSD 4.00 FT NGVD.
 HIGHEST WATER LEVEL 119.20 ABOVE LSD, NOV. 17, 1961,
 LOWEST WATER LEVEL 69.60 ABOVE LSD, JULY 19, 1979.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979 +	73.10	JAN. 16, 1980 +	77.60	MAY 14, 1980 +	84.90	JULY 14, 1980 +	82.90

301536089470501 LOCAL WELL NUMBER: ST-563

OWNER: CITY OF SLIDELL. (SEC. 15, T. 9S., R. 14E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SLIDELL AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 10 IN, DEPTH 2411 FT, SCREENED 2262-2411, MP CENTERLINE OF FAUCET ON DISCHARGE LINE, 3.50 FT ABOVE LSD, LSD 4.00 FT NGVD.
 HIGHEST WATER LEVEL 118.90 ABOVE LSD, JUNE 12, 1958,
 LOWEST WATER LEVEL 64.50 ABOVE LSD, NOV. 6, 1979.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979 +	64.50	JAN. 16, 1980 +	68.70	MAY 14, 1980 +	65.80	JULY 14, 1980 +	65.10
DEC. 5 +	68.00	MAR. 25 +	69.60	JUNE 5 +	67.50		

303010090120701 LOCAL WELL NUMBER: ST-615

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 6S., R. 10E.) BORED OBSERVATION ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 34 FT, SCREENED 32-34, MP TOP OF CASING, 2.30 FT ABOVE LSD, LSD 38.00 FT NGVD.
 HIGHEST WATER LEVEL 2.51 BELOW LSD, JAN. 11, 1972,
 LOWEST WATER LEVEL 9.48 BELOW LSD, DEC. 4, 1968.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979	6.31	JAN. 17, 1980	4.30	APR. 29, 1980	2.67		

303159090110001 LOCAL WELL NUMBER: ST-652

OWNER: WILLIE CORE. (SEC. 15, T. 6S., R. 10E.) DRILLED RECREATION ARTESIAN WELL IN RAMSAY AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 10 IN, DEPTH 3354 FT, SCREENED 3269-3354, MP CENTERLINE OF HORIZONTAL 10-IN PIPE, 3.00 FT ABOVE LSD, LSD 44.00 FT NGVD.
 HIGHEST WATER LEVEL 95.80 ABOVE LSD, MAY 2, 1969,
 LOWEST WATER LEVEL 67.20 ABOVE LSD, MAY 17, 1977.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1979 +	79.00	JAN. 17, 1980 +	77.50	APR. 29, 1980 +	78.20	JULY 21, 1980 +	80.00

See footnotes at end of table.

GROUND-WATER LEVELS

ST. TAMMANY PARISH

301839089493801 LOCAL WELL NUMBER: ST-661

OWNER: ALBERT L. STONE, (SEC. 37, T. 8S., R. 14E.) DRILLED DOMESTIC ARTESIAN WELL IN SLIDELL AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 2 IN, DEPTH 2220 FT, SCREENED 2200-2220, MP CENTER OF 2-IN DISCHARGE LINE, 1.00 FT ABOVE LSD.
 LSD 16.00 FT NGVD.
 HIGHEST WATER LEVEL 87.45 ABOVE LSD, FEB. 20, 1969,
 LOWEST WATER LEVEL 59.40 ABOVE LSD, MAY 17, 1977,
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979 +	59.50	JAN. 16, 1980 +	59.50	MAY 14, 1980 +	61.00		

TANGIPAHOA PARISH

302606090263401 LOCAL WELL NUMBER: TA-7

OWNER: TOWN OF PONCHATOULA, (SEC. 18, T. 7S., R. 8E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN UPPER PONCHATOULA AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN, REPORTED DEPTH 654 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF TEE AT WELL, 0.73 FT ABOVE LSD.
 LSD 22.00 FT NGVD.
 HIGHEST WATER LEVEL 11.60 ABOVE LSD, AUG. 8, 1939, FEB. 3, 1942,
 LOWEST WATER LEVEL 1.42 ABOVE LSD, JULY 21, 1971,
 RECORDS AVAILABLE 1939-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1979 +	4.33	JAN. 16, 1980 +	5.23	APR. 30, 1980 +	6.03	JULY 11, 1980 +	3.33

302445090220001 LOCAL WELL NUMBER: TA-19

OWNER: VICTOR STEVENS, (SEC. 26, T. 7S., R. 8E.) DRILLED DOMESTIC AND IRRIGATION ARTESIAN WELL IN UPPER PONCHATOULA AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, REPORTED DEPTH 535 FT, SCREENED 515-535, MP TOP OF CONCRETE SIDEWALK, AT LSD.
 LSD 5.00 FT NGVD.
 HIGHEST WATER LEVEL 20.70 ABOVE LSD, APR. 3, 1947,
 LOWEST WATER LEVEL 10.50 ABOVE LSD, MAR. 10, 1967,
 RECORDS AVAILABLE 1939-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1979 +	15.50	JAN. 16, 1980 +	15.00	APR. 30, 1980 +	16.50		

302549090222601 LOCAL WELL NUMBER: TA-242

OWNER: BYRON STEVENS, (SEC. 23, T. 7S., R. 8E.) DRILLED IRRIGATION ARTESIAN WELL IN UPPER PONCHATOULA AQUIFER (ZONE 1) OF PLIOCENE AGE, DIAM 2 IN, DEPTH 405 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF 2-IN TEE, 1.00 FT ABOVE LSD.
 LSD 20.00 FT NGVD.
 HIGHEST WATER LEVEL 14.90 ABOVE LSD, APR. 3, 1947,
 LOWEST WATER LEVEL 7.30 ABOVE LSD, MAY 9, 1963,
 RECORDS AVAILABLE 1944-79.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1979 +	11.00						

303007090274801 LOCAL WELL NUMBER: TA-253

OWNER: CITY OF HAMMOND, (SEC. 25, T. 6S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN TCHEFUNCTA AQUIFER (ZONE 2) OF MIOCENE AGE, DIAM 8 IN, DEPTH 2190 FT, SCREENED 2070-2190, MP TOP OF HORIZONTAL DISCHARGE PIPE, 2.00 FT ABOVE LSD.
 LSD 35.00 FT NGVD.
 HIGHEST WATER LEVEL 106.03 ABOVE LSD, DEC. 16, 1952,
 LOWEST WATER LEVEL 65.00 ABOVE LSD, NOV. 2, 1978,
 RECORDS AVAILABLE 1952-63, 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1979 +	67.00	JAN. 24, 1980 +	69.00	APR. 29, 1980 +	69.00	JULY 10, 1980 +	67.00

See footnotes at end of table.

304550090304101 LOCAL WELL NUMBER: TA-260

OWNER: TOWN OF ROSELAND. (SEC. 28, T. 35., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 3 SAND OF MIOCENE AGE, DIAM 4 IN, DEPTH 2013 FT, SCREENED 1951-2013, MP TOP OF 3/4-IN VALVE, 3.65 FT ABOVE LSD.
 LSD 130.86 FT NGVD.
 HIGHEST WATER LEVEL 34.65 ABOVE LSD, MAY 5, 1953.
 LOWEST WATER LEVEL 17.35 BELOW LSD, APR. 28, 1980.
 RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1979	17.20	APR. 28, 1980	17.35				

303806090295903 LOCAL WELL NUMBER: TA-262

OWNER: TOWN OF INDEPENDENCE. (SEC. 10, T. 5S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN AMITE AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 3 IN, DEPTH 2316 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF 4-IN TEE, 2.40 FT ABOVE LSD.
 LSD 85.00 FT NGVD.
 HIGHEST WATER LEVEL 79.80 ABOVE LSD, JAN. 6, 1954.
 LOWEST WATER LEVEL 12.40 ABOVE LSD, JULY 7, 1980.
 RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1979 +	14.70	JAN. 18, 1980 +	14.30	APR. 28, 1980 +	15.60	JULY 7, 1980 +	12.40

302957090274001 LOCAL WELL NUMBER: TA-268

OWNER: CITY OF HAMMOND. (SEC. 25, T. 6S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN HAMMOND AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 8 IN, DEPTH 2449 FT, SCREENED 2365-2449, MP CENTERLINE OF SOUTH 6-IN DISCHARGE LINE, 2.10 FT ABOVE LSD.
 LSD 35.00 FT NGVD.
 HIGHEST WATER LEVEL 120.60 ABOVE LSD, JAN. 25, 1957.
 LOWEST WATER LEVEL 28.10 ABOVE LSD, SEP. 26, 1980.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1979 +	32.10	FEB. 20, 1980 +	38.10	JUNE 3, 1980 +	32.10	AUG. 14, 1980 +	32.10
DEC. 7 +	33.10	MAR. 26 +	35.10	JULY 10 +	30.10	SEP. 26 +	28.10
JAN. 24, 1980 +	36.60	APR. 29 +	34.10				

302519090311401 LOCAL WELL NUMBER: TA-273

OWNER: DOMINICAN SISTERS CONVENT. (SEC. 44, T. 7S., R. 7E.) DRILLED DOMESTIC ARTESIAN WELL IN TCHEFUNCTA AQUIFER (ZONE 2) OF MIOCENE AGE, DIAM 3 IN, DEPTH 2329 FT, SCREENED 2289-2329, MP CENTERLINE OF TEE, 2.00 FT ABOVE LSD.
 LSD 11.00 FT NGVD.
 HIGHEST WATER LEVEL 127.20 ABOVE LSD, APR. 12, 1960, MAY 17, 1960.
 LOWEST WATER LEVEL 89.00 ABOVE LSD, NOV. 2, 1978, NOV. 9, 1979, APR. 30, 1980.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1979 +	89.00	APR. 30, 1980 +	89.00				

305237090305101 LOCAL WELL NUMBER: TA-283

OWNER: VILLAGE OF TANGIPAHOA. (SEC. 60, T. 2S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN AMITE AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 13 IN, DEPTH 1457 FT, SCREENED 1419-1457, MP TOP OF SANITARY SEAL, 1.00 FT ABOVE LSD.
 LSD 179.00 FT NGVD.
 HIGHEST WATER LEVEL 36.30 BELOW LSD, MAR. 23, 1971.
 LOWEST WATER LEVEL 62.90 BELOW LSD, NOV. 9, 1979.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1979	62.90	JAN. 18, 1980	62.70	APR. 28, 1980	62.80	JULY 7, 1980	56.85

See footnotes at end of table.

GROUND-WATER LEVELS

TANGIPAHOA PARISH

303622090243901 LOCAL WELL NUMBER: TA-360

OWNER: U. S. GEOL. SURVEY. (SEC. 21, T. 5S., R. 8E.) BORED OBSERVATION ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 54 FT, SCREENED 52-54, MP TOP OF CASING, 3.15 FT ABOVE LSD.
 LSD 75.00 FT NGVD.
 HIGHEST WATER LEVEL 14.90 BELOW LSD, MAY 6, 1980.
 LOWEST WATER LEVEL 18.76 BELOW LSD, DEC. 3, 1968.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 7, 1979	15.90	JAN. 18, 1980	16.05	MAY 6, 1980	14.90		

305737090322501 LOCAL WELL NUMBER: TA-362

OWNER: U. S. GEOL. SURVEY. (SEC. 40, T. 1S., R. 7E.) BORED OBSERVATION ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 43 FT, SCREENED 40-43, MP TOP OF CASING, 3.20 FT ABOVE LSD.
 LSD 265.00 FT NGVD.
 HIGHEST WATER LEVEL 16.65 BELOW LSD, APR. 28, 1980.
 LOWEST WATER LEVEL 25.03 BELOW LSD, DEC. 21, 1970.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1979	19.45	JAN. 18, 1980	19.35	APR. 28, 1980	16.65		

305434090264201 LOCAL WELL NUMBER: TA-440

OWNER: U. S. GEOL. SURVEY. (SEC. 47, T. 2S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN KENTWOOD AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 2 IN, DEPTH 603 FT, SCREENED 593-603, MP TOP OF 2-IN GALVANIZED PIPE, 2.15 FT ABOVE LSD.
 LSD 220.00 FT NGVD.
 HIGHEST WATER LEVEL 1.61 BELOW LSD, SEP. 24, 1975.
 LOWEST WATER LEVEL 4.54 BELOW LSD, NOV. 1, 1977; FEB. 13, 1979.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1979	4.19	JAN. 14, 1980	4.14	MAY 9, 1980	3.24		

WASHINGTON PARISH

304652089512201 LOCAL WELL NUMBER: WA-13

OWNER: CROWN ZELLERBACH. (SEC. 38, T. 3S., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 20 IN, DEPTH 156 FT, SCREENED 90-156, MP TOP EDGE OF RECORDER SHELTER SURFLOOR, 1.30 FT ABOVE LSD. (RECORDER REMOVED 7/21/80.)
 LSD 95.00 FT NGVD.
 HIGHEST WATER LEVEL 1.30 ABOVE LSD, FEB. 22, 1961.
 LOWEST WATER LEVEL 44.07 BELOW LSD, SEP. 22, 1958.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 5, 1979	16.83	DEC. 10, 1979	22.01	FEB. 20, 1980	22.74	MAY 25, 1980	22.02
OCT. 10	16.03	DEC. 15	21.30	FEB. 27	22.60H	MAY 31	21.75
OCT. 15	15.78	DEC. 20	21.65	MAR. 27	21.56H	JUNE 4	21.60H
OCT. 20	15.81	DEC. 25	16.61	MAR. 31	20.46	JUNE 5	21.24
OCT. 25	15.33	DEC. 31	22.60	APR. 5	17.54	JUNE 10	15.86
OCT. 31	15.21	JAN. 5, 1980	17.82	APR. 10	17.29	JUNE 15	20.67
NOV. 5	9.52	JAN. 10	25.60	APR. 15	16.63	JUNE 20	20.31
NOV. 6	9.30H	JAN. 15	25.34	APR. 20	22.82	JUNE 25	20.16
NOV. 10	16.38	JAN. 15	25.24H	APR. 25	23.07	JUNE 30	25.51
NOV. 15	15.97	JAN. 20	25.05	APR. 30	19.62H	JULY 5	17.21
NOV. 20	15.77	JAN. 25	24.08	MAY 5	21.86	JULY 10	25.13
NOV. 25	14.63	JAN. 31	23.88	MAY 10	22.50	JULY 15	24.62
NOV. 30	22.37	FEB. 5	24.10	MAY 15	22.49	JULY 20	24.37
DEC. 5	21.93	FEB. 10	23.31	MAY 20	15.02	JULY 21	24.12H
DEC. 5	21.92H	FEB. 15	22.91				

See footnotes at end of table.

304756089514401 LOCAL WELL NUMBER: WA-14

OWNER: CITY OF BOGALUSA. (SEC. 11, T. 35., R. 13E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN COVINGTON AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 12 IN, DEPTH 681 FT, SCREENED 580-681, MP TOP OF PUMP DISCHARGE LINE, 3.70 FT ABOVE LSD.
 LSD 105.00 FT NGVD.
 HIGHEST WATER LEVEL 35.70 ABOVE LSD, MAY 16, 1979,
 LOWEST WATER LEVEL 2.20 ABOVE LSD, OCT. 5, 1955.
 RECORDS AVAILABLE 1950-67, 1970-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979	+ 20.10	JAN. 15, 1980	+ 29.20	MAR. 27, 1980	+ 22.40	JUNE 4, 1980	+ 28.00
DEC. 5	+ 19.90	FEB. 27	+ 18.40	APR. 30	+ 20.30	JULY 21	+ 27.50

304613089513201 LOCAL WELL NUMBER: WA-15

OWNER: CITY OF BOGALUSA. (SEC. 38, T. 35., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN COVINGTON AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 12 IN, DEPTH 769 FT, SCREENED 688-769, MP TOP OF PLUG IN 2-IN TEE AT END OF 3-IN DISCHARGE LINE, 1.50 FT ABOVE LSD.
 LSD 98.00 FT NGVD.
 HIGHEST WATER LEVEL 29.80 ABOVE LSD, APR. 18, 1950,
 LOWEST WATER LEVEL 5.46 ABOVE LSD, JULY 30, 1957.
 RECORDS AVAILABLE 1942, 1950-63, 1965-68, 1970-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979	+ 21.50	JAN. 15, 1980	+ 21.60	MAR. 27, 1980	+ 22.10	JUNE 4, 1980	+ 21.60
DEC. 5	+ 21.50	FEB. 27	+ 21.50	APR. 30	+ 22.00		

305036090092101 LOCAL WELL NUMBER: WA-18

OWNER: TOWN OF FRANKLINTON. (SEC. 46, T. 2S., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN KENTWOOD AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 6 IN, DEPTH 788 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF 6-IN TEE, 1.20 FT ABOVE LSD.
 LSD 150.00 FT NGVD.
 HIGHEST WATER LEVEL 35.80 ABOVE LSD, DEC. 21, 1942,
 LOWEST WATER LEVEL 17.10 ABOVE LSD, NOV. 9, 1955.
 RECORDS AVAILABLE 1942, 1949-62, 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1979	+ 19.90	JAN. 14, 1980	+ 20.10	MAR. 24, 1980	+ 20.40	JUNE 3, 1980	+ 20.30
DEC. 4	+ 20.10	FEB. 20	+ 20.00	MAY 9	+ 19.80		

304756089514402 LOCAL WELL NUMBER: WA-41

OWNER: CITY OF BOGALUSA. (SEC. 11, T. 35., R. 13E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 3 SAND OF MIOCENE AGE, DIAM 12 IN, DEPTH 1442 FT, SCREENED 1352-1442, MP BOTTOM EDGE OF FLANGE ON PIPE EXTENDING FROM SIDE OF CASING, 0.78 FT ABOVE LSD.
 LSD 105.00 FT NGVD.
 HIGHEST WATER LEVEL 33.40 ABOVE LSD, MAR. 16, 1950,
 LOWEST WATER LEVEL 80.14 BELOW LSD, JULY 21, 1980.
 RECORDS AVAILABLE 1950, 1952-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 6, 1979	46.61	MAR. 27, 1980	61.95	JUNE 4, 1980	77.11	AUG. 14, 1980	74.38
DEC. 5	50.73	APR. 30	69.04	JULY 21	80.14	SEP. 23	77.48
JAN. 15, 1980	46.21						

304107089523401 LOCAL WELL NUMBER: WA-43

OWNER: V. A. TALLEY. (SEC. 49, T. 4S., R. 13E.) DRILLED DOMESTIC ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 2 IN, DEPTH 420 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF VALVE, 1.40 FT ABOVE LSD.
 LSD 71.00 FT NGVD.
 HIGHEST WATER LEVEL 31.00 ABOVE LSD, SEP. 12, 1950,
 LOWEST WATER LEVEL 8.10 ABOVE LSD, SEP. 26, 1978.
 RECORDS AVAILABLE 1950-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1979	+ 11.00	JAN. 21, 1980	+ 11.60	MAR. 27, 1980	+ 13.10	JUNE 4, 1980	+ 13.30
DEC. 4	+ 12.10	FEB. 27	+ 12.30	MAY 8	+ 13.70		

See footnotes at end of table.

GROUND-WATER LEVELS

WASHINGTON PARISH

305124090093401 LOCAL WELL NUMBER: WA-57

OWNER: TOWN OF FRANKLINTON. (SEC. 45, T. 25., R. 10E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN FRANKLINTON AQUIFER (ZONE 3) OF MIOCENE AGE, DIAM 12 IN, DEPTH 2746 FT, SCREENED 2614-2746, MP HOLE IN PLATE OVER CASING, 0.72 FT ABOVE LSD.
 LSD 160.00 FT NGVD.
 HIGHEST WATER LEVEL 20.76 BELOW LSD, AUG. 26, 1957.
 LOWEST WATER LEVEL 61.79 BELOW LSD, SEP. 26, 1978.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1979	55.96	JAN. 14, 1980	55.81	MAR. 24, 1980	55.74	JUNE 3, 1980	56.26
DEC. 4	56.12	FEB. 20	57.19	MAY 9	55.88	JULY 21	56.56

305515090194101 LOCAL WELL NUMBER: WA-91

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 15., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN KENTWOOD AQUIFER (ZONE 2) OF PLIOCENE AGE, DIAM 2 IN, DEPTH 600 FT, SCREENED 580-600, MP TOP OF 2-IN CASING, 0.20 FT ABOVE LSD.
 LSD 240.00 FT NGVD.
 HIGHEST WATER LEVEL 12.10 BELOW LSD, SEP. 24, 1975.
 LOWEST WATER LEVEL 15.03 BELOW LSD, FEB. 13, 1979.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1979	14.78	JAN. 14, 1980	14.60	MAY 9, 1980	13.98		

304709090121502 LOCAL WELL NUMBER: WA-103

OWNER: LSU SOUTHEAST EXPERIMENT STATION. (SEC. 16, T. 3S., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 6 IN, DEPTH 170 FT, SCREENED 140-170, MP TOP OF FLANGE, 0.80 FT ABOVE LSD.
 LSD 225.00 FT NGVD.
 HIGHEST WATER LEVEL 64.69 BELOW LSD, SEP. 10, 1975.
 LOWEST WATER LEVEL 67.84 BELOW LSD, APR. 6, 1977.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1979	66.59	JAN. 14, 1980	67.15	MAY 9, 1980	65.99		

304900089542601 LOCAL WELL NUMBER: WA-125

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 3S., R. 13E.) DRILLED OBSERVATION ARTESIAN WELL IN ZONE 3 SAND OF MIOCENE AGE, DIAM 2 IN, DEPTH 1450 FT, SCREENED 1440-1450, MP TOP OF 2-IN GALVANIZED PIPE, 0.40 FT ABOVE LSD.
 LSD 150.00 FT NGVD.
 HIGHEST WATER LEVEL 66.46 BELOW LSD, APR. 3, 1978.
 LOWEST WATER LEVEL 87.32 BELOW LSD, JULY 21, 1980.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1979	69.42	JAN. 14, 1980	66.86	MAR. 27, 1980	74.64	JULY 21, 1980	87.32
DEC. 4	70.47	FEB. 27	67.68	MAY 8	79.80		

WEST BATON ROUGE PARISH

302732091121901 LOCAL WELL NUMBER: WBR-5

OWNER: CITY OF PORT ALLEN. (SEC. 66, T. 7S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN SAND (11,200-FT) SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 8 IN, DEPTH 1,335 FT, SCREENED 1,230-1,335, MP TOP EDGE OF 3/8-IN HOLE IN 8-IN PLUG IN TEE ATOP CASING, 6.76 FT ABOVE LSD.
 LSD 27.00 FT NGVD.
 HIGHEST WATER LEVEL 36.10 ABOVE LSD, JUNE 21, 1943.
 LOWEST WATER LEVEL 112.62 BELOW LSD, AUG. 15, 1974.
 RECORDS AVAILABLE 1943-46, 1949-50, 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1979	100.08	FEB. 26, 1980	101.24	JUNE 4, 1980	93.72	AUG. 27, 1980	93.28
DEC. 6	100.11	MAR. 24	98.01	JULY 14	94.06	SEP. 23	99.17
JAN. 28, 1980	96.33	MAY 7	96.97				

302610091121101 LOCAL WELL NUMBER: WBR-36

OWNER: BATON ROUGE PORT AUTHORITY. (SEC. 69, T. 7S., R. 12E.) DRILLED INDUSTRIAL ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 14 TO 10 IN, REPORTED DEPTH 1,360 FT, SCREENED 1,245-1,290+1,305-1,360. MP TOP OF 3/4-IN BREATHER PIPE IN FLANGE ATOP CASING, 1.00 FT ABOVE LSD.
 LSD 29.00 FT NGVD.
 HIGHEST WATER LEVEL 33.90 BELOW LSD, FEB. 3, 1955.
 LOWEST WATER LEVEL 106.75 BELOW LSD, OCT. 1, 1969.
 RECORDS AVAILABLE 1955, 1962, 1967, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1979	102.54	MAY 8, 1980	93.40				

302613091121501 LOCAL WELL NUMBER: WBR-37

OWNER: BATON ROUGE PORT AUTHORITY. (SEC. 69, T. 7S., R. 12E.) DRILLED INDUSTRIAL ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 14 TO 10 IN, DEPTH 1,356 FT, SCREENED 1,235-1,288+1,318-1,335+1,340-1,356. MP TOP OF 3/4-IN BREATHER IN FLANGE ATOP CASING, 1.00 FT ABOVE LSD.
 LSD 27.00 FT NGVD.
 HIGHEST WATER LEVEL 31.93 BELOW LSD, FEB. 3, 1955.
 LOWEST WATER LEVEL 112.25 BELOW LSD, OCT. 18, 1974.
 RECORDS AVAILABLE 1955, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1979	101.45	MAY 8, 1980	92.95				

302922091122301 LOCAL WELL NUMBER: WBR-50

OWNER: POPLAR GROVE PLANTING AND REFINING CO., INC. (SEC. 59, T. 7S., R. 12E.) DRILLED INDUSTRIAL ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 TO 8 IN, DEPTH 2,105 FT, SCREENED 2,045-2,105. MP TOP INSIDE EDGE OF 2-IN NIPPLE, 0.80 FT ABOVE LSD.
 LSD 27.00 FT NGVD.
 HIGHEST WATER LEVEL 90.02 BELOW LSD, JAN. 7, 1960.
 LOWEST WATER LEVEL 296.41 BELOW LSD, SEP. 25, 1973.
 RECORDS AVAILABLE 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1979	274.00	JAN. 15, 1980	278.90	MAY 8, 1980	273.20	JULY 15, 1980	277.90

302851091145801 LOCAL WELL NUMBER: WBR-74

OWNER: MISSOURI PACIFIC RAILROAD. (SEC. 89, T. 7S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN THE MISSISSIPPI RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, ESTIMATED DEPTH 175 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF CASING, 0.86 FT ABOVE LSD.
 LSD 24.00 FT NGVD.
 HIGHEST WATER LEVEL 10.56 ABOVE LSD, MAY 21, 1979.
 LOWEST WATER LEVEL 16.85 BELOW LSD, OCT. 22, 1958.
 RECORDS AVAILABLE 1958, 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1979	10.32	JAN. 28, 1980	3.74	MAR. 24, 1980	1.20	JUNE 4, 1980	2.89
DEC. 6	3.14	FEB. 26	8.80	MAY 7	4.86	JULY 15	11.14

302546091131402 LOCAL WELL NUMBER: WBR-97B

OWNER: MRS. HUGHES (SEC. 70, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,200 FT, SCREENED 2,170-2,200. MP TOP EDGE OF 1/2-IN HOLE IN CAP, 0.92 FT ABOVE LSD.
 LSD 17.00 FT NGVD.
 HIGHEST WATER LEVEL 26.50 ABOVE LSD, JULY 22, 1964.
 LOWEST WATER LEVEL 67.68 BELOW LSD, JULY 19, 1979.
 RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1979	63.18	MAY 8, 1980	57.48	JUNE 5, 1980	61.74	JULY 15, 1980	63.18
JAN. 15, 1980	61.93						

See footnotes at end of table.

GROUND-WATER LEVELS
WEST BATON ROUGE PARISH

302652091121401 LOCAL WELL NUMBER: WBR-100A

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 68, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1,888 FT, SCREENED 1,884-1,888. MP TOP EDGE OF 3/8-IN HOLE IN CAP, 2.50 FT ABOVE LSD.
LSD 29.00 FT NGVD.
HIGHEST WATER LEVEL 58.30 BELOW LSD, MAY 6, 1966.
LOWEST WATER LEVEL 129.12 BELOW LSD, DEC. 20, 1976.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1979	105.70	JAN. 15, 1980	120.30	MAY 8, 1980	100.65	JULY 15, 1980	101.70

302652091121402 LOCAL WELL NUMBER: WBR-100B

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 68, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,448 FT, SCREENED 2,444-2,448. MP TOP EDGE OF 3/8-IN NIPPLE IN CAP, 2.50 FT ABOVE LSD.
LSD 29.00 FT NGVD.
HIGHEST WATER LEVEL 87.97 BELOW LSD, MAY 17, 1966.
LOWEST WATER LEVEL 168.46 BELOW LSD, DEC. 19, 1978.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 29, 1979	162.83	MAY 8, 1980	157.75	JULY 15, 1980	166.80		

302726091145501 LOCAL WELL NUMBER: WBR-101

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 91, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 1,367 FT, SCREENED 1,363-1,367. MP TOP EDGE OF 3/8-IN HOLE IN CAP, 1.02 FT ABOVE LSD.
LSD 19.00 FT NGVD.
HIGHEST WATER LEVEL 59.55 BELOW LSD, APR. 29, 1966.
LOWEST WATER LEVEL 79.73 BELOW LSD, OCT. 26, 1972.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1979	73.43	JAN. 15, 1980	69.98	MAY 8, 1980	70.18	JULY 15, 1980	70.03
DEC. 18	72.12						

302806091172601 LOCAL WELL NUMBER: WBR-102A

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 4 IN, DEPTH 1,288 FT, SCREENED 1,284-1,288. MP TOP EDGE OF 3/8-IN HOLE IN CAP, 2.35 FT ABOVE LSD.
LSD 18.00 FT NGVD.
HIGHEST WATER LEVEL 43.16 BELOW LSD, MAY 6, 1966.
LOWEST WATER LEVEL 62.37 BELOW LSD, OCT. 26, 1972.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1979	57.15	MAY 8, 1980	55.65				

302806091172602 LOCAL WELL NUMBER: WBR-102B

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,100 FT, SCREENED 2,096-2,100. MP TOP EDGE OF 3/8-IN HOLE IN CAP, 2.35 FT ABOVE LSD.
LSD 18.00 FT NGVD.
HIGHEST WATER LEVEL 63.89 BELOW LSD, APR. 22, 1966.
LOWEST WATER LEVEL 189.22 BELOW LSD, SEP. 25, 1973.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 30, 1979	183.65	MAY 8, 1980	180.25				

302703091133703 LOCAL WELL NUMBER: WBR-106

OWNER: U. S. GEOL. SURVEY. (SEC. 93, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("2,000-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 2 IN, DEPTH 2,017 FT, SCREENED 2,012-2,017, MP TOP EDGE OF 3/4-IN AIRLINE (REMOVE CASING EXTENSION), 2.08 FT ABOVE LSD.
 LSD 22.00 FT NGVD.
 HIGHEST WATER LEVEL 166.62 BELOW LSD, JULY 28, 1966,
 LOWEST WATER LEVEL 288.20 BELOW LSD, NOV. 8, 1973.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1979	263.82	JAN. 15, 1980	270.47	MAY 8, 1980	268.57	JULY 15, 1980	272.22

302853091150201 LOCAL WELL NUMBER: WBR-146

OWNER: U. S. GEOL. SURVEY. (SEC. 119, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 1/2 IN, DEPTH 472 FT, SCREENED 462-472, MP TOP OF 2 1/2-IN COLLAR, AT LSD.
 LSD 25.00 FT NGVD.
 HIGHEST WATER LEVEL 10.54 ABOVE LSD, APR. 27, 1979,
 LOWEST WATER LEVEL 19.30 BELOW LSD, NOV. 16, 1978.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1979	12.20	JAN. 28, 1980	5.64	MAR. 24, 1980	3.14	JUNE 4, 1980	4.79
DEC. 3	6.75	FEB. 26	10.68	MAY 7	2.98	JULY 15	13.10

302559091122001 LOCAL WELL NUMBER: WBR-147

OWNER: U. S. GEOL. SURVEY. (SEC. 70, T. 7S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,000-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 1/2 IN, DEPTH 1,292 FT, SCREENED 1,282-1,292, MP TOP OF 2 1/2-IN COLLAR, 1.23 FT ABOVE LSD.
 LSD 27.00 FT NGVD.
 HIGHEST WATER LEVEL 34.47 BELOW LSD, DEC. 3, 1979,
 LOWEST WATER LEVEL 45.37 BELOW LSD, MAY 8, 1980.
 RECORDS AVAILABLE 1977-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 3, 1979	34.47	JAN. 15, 1980	35.67	MAY 8, 1980	45.37	JULY 21, 1980	35.77

302702091185101 LOCAL WELL NUMBER: WBR-148

OWNER: U. S. GEOL. SURVEY. (SEC. 23, T. 7S., R. 11E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 1/2 IN, DEPTH 1,304 FT, SCREENED 1,294-1,304, MP TOP OF 2 1/2-IN CASING EXTENSION, 3.45 FT ABOVE LSD.
 LSD 14.00 FT NGVD.
 HIGHEST WATER LEVEL 47.86 BELOW LSD, JUNE 4, 1980,
 LOWEST WATER LEVEL 53.60 BELOW LSD, SEP. 8, 1978.
 RECORDS AVAILABLE 1978-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1979	50.17	JAN. 28, 1980	48.93	MAR. 24, 1980	49.67	JUNE 4, 1980	47.86
DEC. 4	50.00	FEB. 26	49.58	MAY 7	48.72	JULY 15	48.45

302958091124801 LOCAL WELL NUMBER: WBR-160

OWNER: WEST BATON ROUGE GAS AND WATER SYSTEM. (SEC. 50, T. 6S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("800-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 840 FT, SCREENED 830-840, MP 3/8-IN HOLE IN EAST SIDE OF CASING, 2.00 FT ABOVE LSD.
 LSD 26.00 FT NGVD.
 HIGHEST WATER LEVEL 47.10 BELOW LSD, JULY 15, 1980,
 LOWEST WATER LEVEL 47.10 BELOW LSD, JULY 15, 1980.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 15, 1980	47.10						

See footnotes at end of table.

GROUND-WATER LEVELS
WEST BATON ROUGE PARISH

302958091124802 LOCAL WELL NUMBER: WBR-161

OWNER: U. S. GEOL. SURVEY. (SEC. 50, T. 6S., R. 12E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 650 FT, SCREENED 640-650, MP HOLE IN TOP OF CAP, 2.00 FT ABOVE LSD.
LSD 26.00 FT NGVD.
HIGHEST WATER LEVEL 54.00 BELOW LSD, JULY 15, 1980,
LOWEST WATER LEVEL 63.75 BELOW LSD, SEP. 19, 1979.
RECORDS AVAILABLE 1979-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
SEP. 19, 1979	63.75	JULY 15, 1980	54.00				

WEST FELICIANA PARISH

305643091341201 LOCAL WELL NUMBER: WF-220

OWNER: LA. STATE PENAL FARM. (SEC. 53, T. 1S., R. 5W.) DRILLED UNUSED ARTESIAN WELL IN ZONE 3 AQUIFER OF MIOCENE AGE, DIAM 12 IN, DEPTH 907 FT, SCREENED 847-907, MP (FLOWING CONDITIONS) TOP OF IRON COVER PLATE, 0.50 FT ABOVE LSD, MP (NONFLOWING CONDITIONS) TOP OF 3/4-IN X 1 1/2-IN BUSHING, 0.69 FT ABOVE LSD.
LSD 60.00 FT NGVD.
HIGHEST WATER LEVEL 15.90 ABOVE LSD, APR. 3, 1959,
LOWEST WATER LEVEL 7.80 BELOW LSD, NOV. 2, 1978.
RECORDS AVAILABLE 1956, 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1979	6.45	APR. 28, 1980	3.03				

305633091341601 LOCAL WELL NUMBER: WF-40

OWNER: LA. STATE PENAL FARM. (SEC. 24, T. 1S., R. 5W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 2 AQUIFER OF PLIOCENE-MIOCENE AGE, DIAM 12 IN, REPORTED DEPTH 632 FT, SCREENED 549-632, MP TOP INSIDE EDGE OF 2-IN ELBOW ATOP CASING, 2.85 FT ABOVE LSD.
LSD 50.00 FT NGVD.
HIGHEST WATER LEVEL 23.90 ABOVE LSD, MAY 8, 1958,
LOWEST WATER LEVEL 6.66 BELOW LSD, NOV. 2, 1978.
RECORDS AVAILABLE 1956, 1958-59, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1979	3.88	APR. 28, 1980 +	0.40				

304935091221001 LOCAL WELL NUMBER: WF-188

OWNER: U. S. GEOL. SURVEY. (SEC. 69, T. 2S., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN UPLAND TERRACE DEPOSITS OF QUATERNARY AGE, DIAM 1 1/4 IN, DEPTH 55 FT, SCREENED 52-55, MP TOP OF 1 1/4-IN CASING, 0.20 FT ABOVE LSD.
LSD 117.00 FT NGVD.
HIGHEST WATER LEVEL 12.44 BELOW LSD, APR. 28, 1980,
LOWEST WATER LEVEL 16.68 BELOW LSD, JULY 9, 1963.
RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1979	13.94	JAN. 14, 1980	13.70	APR. 28, 1980	12.44		

304704091223801 LOCAL WELL NUMBER: WF-222

OWNER: TOWN OF ST. FRANCISVILLE. (SEC. 68, T. 3S., R. 3W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2,400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 12 IN, DEPTH 1526 FT, SCREENED INTERVAL UNKNOWN, MP TOP EDGE OF UNION, 1.15 FT ABOVE LSD.
LSD 140.00 FT NGVD.
HIGHEST WATER LEVEL 59.64 BELOW LSD, APR. 16, 1962,
LOWEST WATER LEVEL 121.22 BELOW LSD, NOV. 14, 1977.
RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 5, 1979	116.02	JAN. 14, 1980	110.60	APR. 28, 1980	109.13	JULY 7, 1980	114.56

- + Above land-surface datum.
- E Estimated.
- H Tape measurement (recorder).
- J Recorder measurement for a time other than noon.
- R Reported.

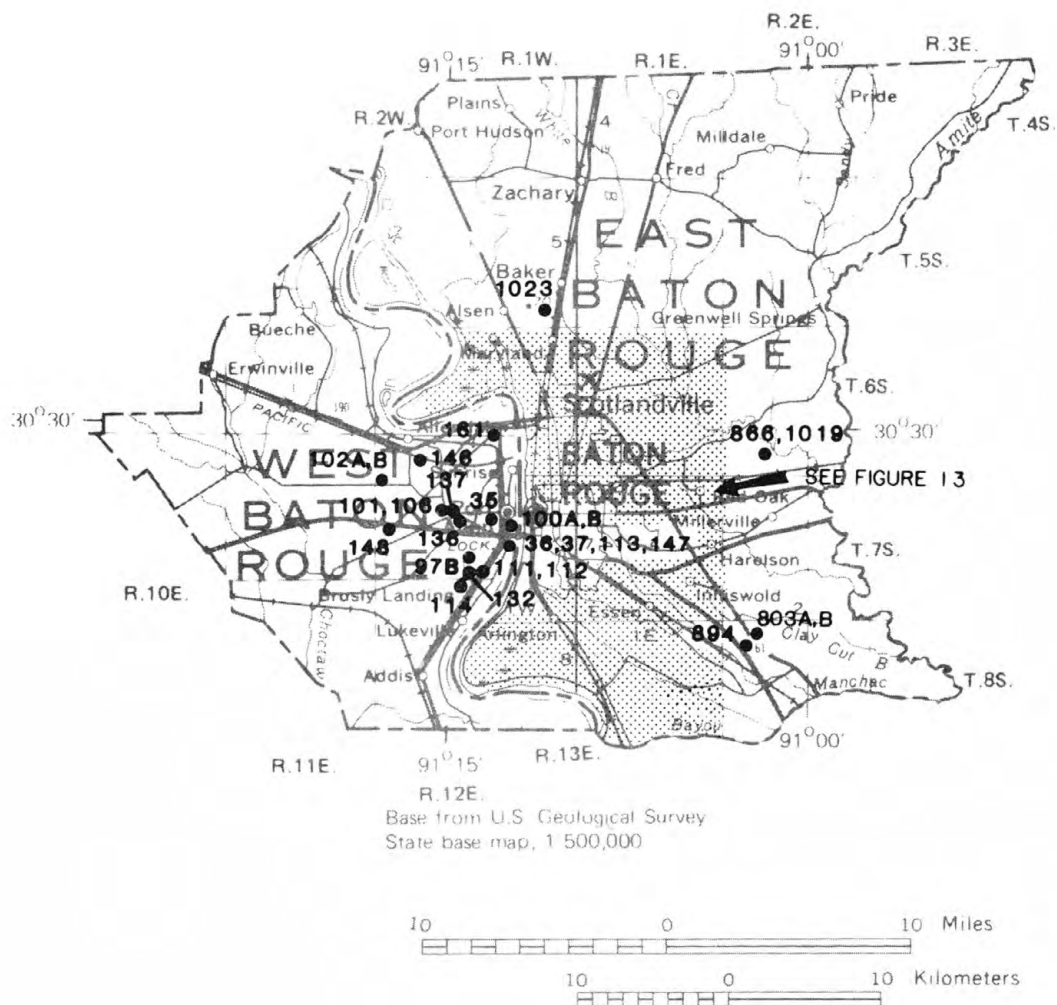


Figure 12.--Location of wells for which water-quality data are included, East Baton Rouge and West Baton Rouge Parishes, except for wells located in the shaded area (see fig. 13).

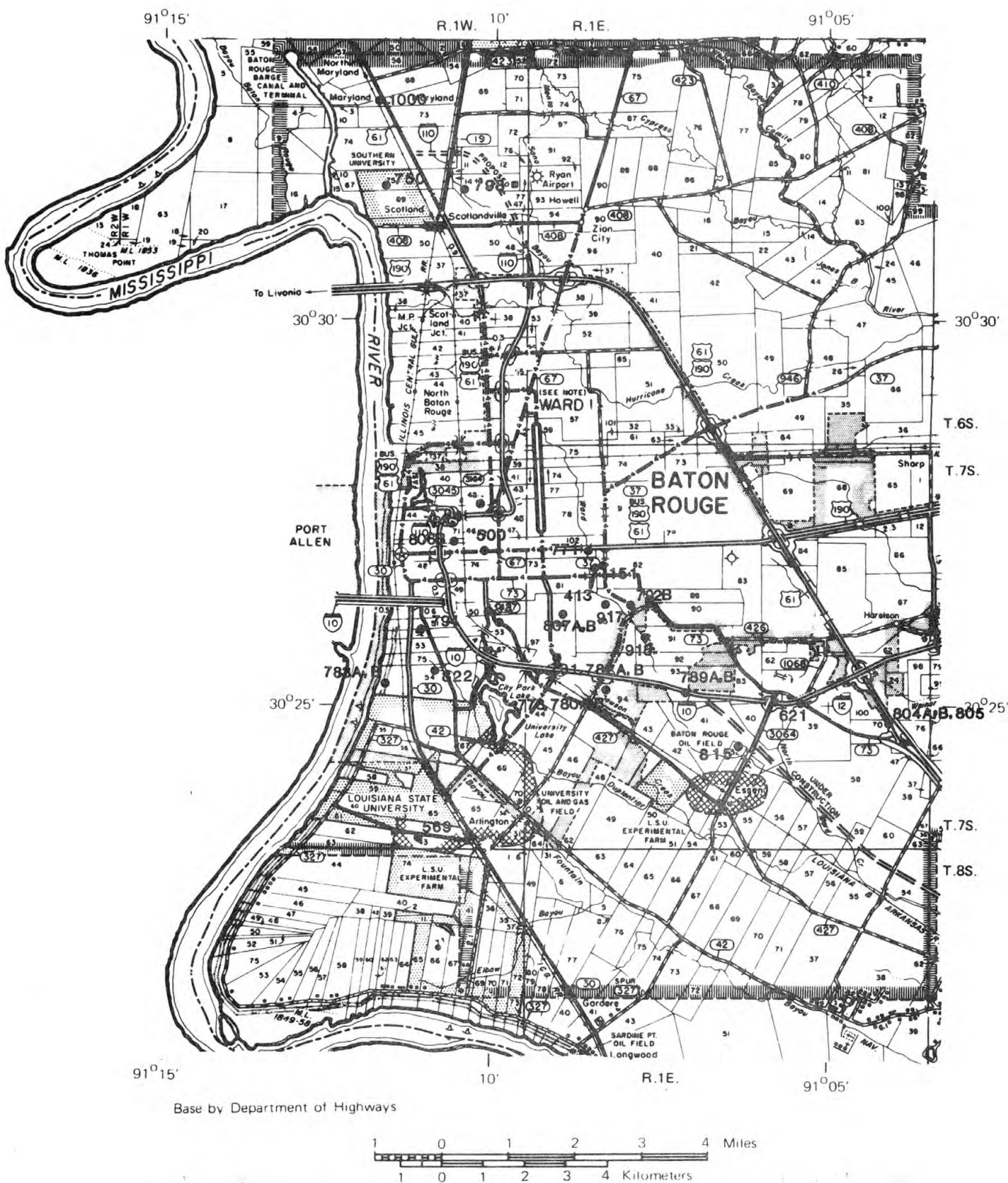


Figure 13.—Location of wells for which water-quality data are included in the shaded area shown in figure 12, East Baton Rouge Parish.

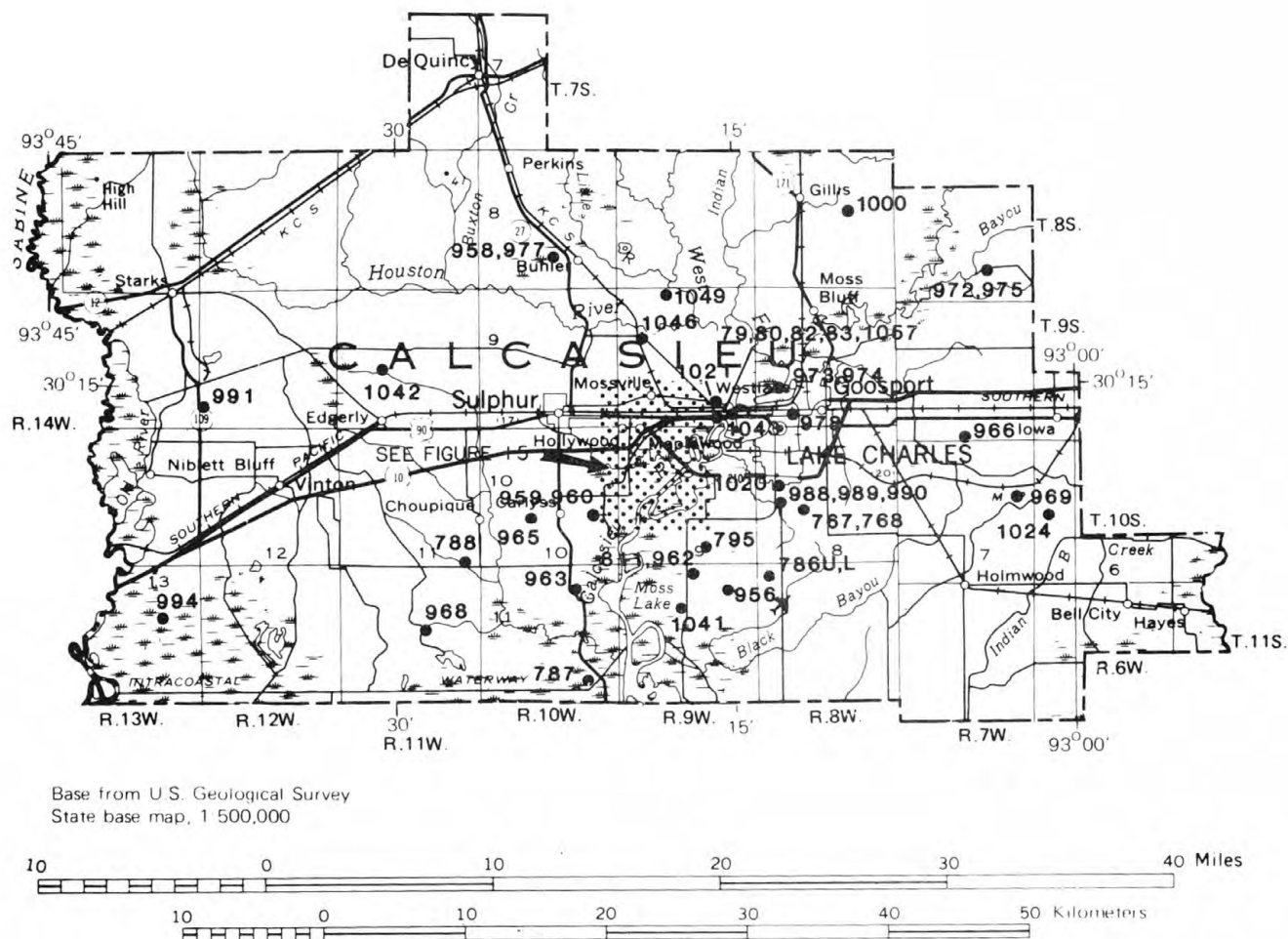
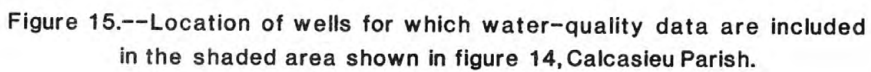


Figure 14.--Location of wells for which water-quality data are included, Calcasieu Parish, except for wells located in the shaded area (see fig. 15).



CHEMICAL ANALYSES, OCTOBER 1979 TO SEPTEMBER 1980

LOCAL IDENTIFIER				STATION NUMBER	GEO-LOGIC UNIT 1/	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)
ASCENSION PARISH												
AN- 168	9S	2E	46	301255091020201	112NORC	310	80-06-09	1120	2490	--	--	--
AN- 244	9S	2E	46	301303091020101	112NORC	280	80-06-09	1140	1870	--	--	--
AN- 267	9S	3E	16	301544090543901	112GZNO	488	80-05-16	1130	274	--	--	--
AN- 282	11S	14E	16	300657091025601	112MRVA	224	79-11-29	1345	788	7.1	20.5	--
AN- 283	11S	14E	16	300657091025602	112MRVA	183	79-11-29	1350	545	7.2	20.5	--
AN- 296	10S	2E	3	301225091001601	112NORC	300	79-11-27	1045	1730	7.3	--	--
AN- 298	11S	14E	16	300650091025001	112MRVA	224	79-11-29	1330	448	7.1	20.5	--
AN- 308	9S	2E	46	301308091015301	112NORC	281	80-06-09	1135	1030	--	--	--
CALCASIEU PARISH												
CU- 79	9S	9W	35	301356093160201	11205LC	499	80-09-09	1115	402	7.3	23.0	--
CU- 80	9S	9W	35	301354093155201	11205LC	512	80-09-09	1030	434	7.2	23.0	--
CU- 82	9S	9W	34	301359093162201	11205LC	511	80-09-09	1010	451	7.3	22.5	--
CU- 83	9S	9W	35	301406093155201	11205LC	505	80-09-09	0900	372	7.3	23.0	--
CU- 449	9S	9W	34	301411093160101	11205LC	517	80-09-09	0920	388	7.4	22.5	--
CU- 465	9S	9W	34	301407093161701	11205LC	520	80-09-09	0940	536	7.3	22.5	--
CU- 583	10S	9W	3	301321093165202	11207LC	670	80-09-10	1120	536	7.4	23.0	--
CU- 615	10S	9W	4	301338093172801	11205LC	533	80-09-10	1300	526	7.2	22.5	--
CU- 710	9S	9W	34	301343093165201	11207LC	686	80-09-10	1240	720	7.3	23.0	--
CU- 737	10S	9W	3	301314093165501	11207LC	700	79-12-20	1130	530	8.5	22.0	5
CU- 767	10S	8W	20	301036093124401	11207LC	850	79-12-17	1315	2570	8.2	--	5
CU- 768	10S	8W	20	301036093124402	11202LC	306	79-12-17	1230	397	--	--	--
CU- 769	10S	9W	5	301336093183001	11207LC	642	79-12-11	1125	991	8.1	22.5	5
CU- 770	10S	9W	5	301336093183003	11205LC	490	79-12-11	1210	--	7.3	24.0	--
CU- 784	10S	9W	9	301218093175803	11205LC	532	79-12-07	1315	865	--	25.0	5
CU- 786L	11S	8W	6	300820093131904	11207LC	880	80-02-13	1120	1340	8.3	23.5	--
CU- 786U	11S	8W	6	300820093131903	11207LC	840	80-02-13	1120	815	8.1	23.5	--
CU- 787	11S	10W	36	300353093210201	11205LC	734	79-12-03	1245	488	7.2	--	0
CU- 788	10S	11W	36	300825093260801	11207LC	805	80-02-13	0915	2240	8.1	22.5	--
CU- 789	10S	9W	19	301100093200001	11207LC	640	79-12-07	1045	1120	6.3	--	5
CU- 795	10S	9W	34	300855093155502	11205LC	625	80-07-01	--	458	--	--	--
CU- 811	11S	9W	3	300812093165802	11207LC	923	79-11-29	1545	1780	6.6	--	0
CU- 827	10S	9W	18	301134093191101	11205LC	560	80-09-19	--	744	7.7	23.5	--
CU- 840	10S	9W	3	301339093170102	11205LC	500	80-09-10	1415	606	7.1	22.5	--
CU- 842	10S	9W	18	301148093193201	11205LC	575	79-12-10	1115	1350	8.0	23.5	5
					11205LC	575	80-08-04	1130	1380	7.8	23.0	--
CU- 843	10S	9W	18	301148093193202	11202LC	205	79-12-10	1220	473	7.5	21.5	5
					11202LC	205	80-08-04	1255	520	--	22.5	--
CU- 844	10S	9W	18	301148093193203	11205LC	430	79-12-10	1345	408	7.9	23.5	--
					11205LC	430	80-08-04	1355	428	--	24.0	--
CU- 847	10S	9W	7	301230093193202	11205LC	522	80-01-11	1400	738	8.2	22.0	15

LOCAL IDENTIFIER				DATE OF SAMPLE	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	SULFATE DISSOLVED (MG/L AS SO4)
ASCENSION PARISH--Continued													
AN- 168	9S	2E	46	80-06-09	260	--	--	--	--	--	--	--	--
AN- 244	9S	2E	46	80-06-09	180	--	--	--	--	--	--	--	--
AN- 267	9S	3E	16	80-05-16	37	--	--	--	--	--	--	--	--
AN- 282	11S	14E	16	79-11-29	260	--	--	--	--	--	--	--	--
AN- 283	11S	14E	16	79-11-29	220	--	--	--	--	--	--	--	--
AN- 296	10S	2E	3	79-11-27	230	--	--	--	--	--	--	--	--
AN- 298	11S	14E	16	79-11-29	120	--	--	--	--	--	--	--	--
AN- 308	9S	2E	46	80-06-09	190	--	--	--	--	--	--	--	--
CALCASIEU PARISH--Continued													
CU- 79	9S	9W	35	80-09-09	--	--	--	--	--	--	--	--	--
CU- 80	9S	9W	35	80-09-09	--	--	--	--	--	--	--	--	--
CU- 82	9S	9W	34	80-09-09	--	--	--	--	--	--	--	--	--
CU- 83	9S	9W	35	80-09-09	--	--	--	--	--	--	--	--	--
CU- 449	9S	9W	34	80-09-09	--	--	--	--	--	--	--	--	--
CU- 465	9S	9W	34	80-09-09	--	--	--	--	--	--	--	--	--
CU- 583	10S	9W	3	80-09-10	--	--	--	--	--	--	--	--	--
CU- 615	10S	9W	4	80-09-10	--	--	--	--	--	--	--	--	--
CU- 710	9S	9W	34	80-09-10	--	--	--	--	--	--	--	--	--
CU- 737	10S	9W	3	79-12-20	140	0	39	10	56	3.4	195	0	.2
CU- 767	10S	8W	20	79-12-17	430	350	130	27	330	6.9	102	0	.2
CU- 768	10S	8W	20	79-12-17	110	--	--	--	--	--	--	--	--
CU- 769	10S	9W	5	79-12-11	53	0	15	3.8	190	3.0	232	0	2.2
CU- 770	10S	9W	5	79-12-11	80	--	--	--	--	--	--	--	--
CU- 784	10S	9W	9	79-12-07	210	55	61	15	86	4.0	194	0	.2
CU- 786L	11S	8W	6	80-02-13	130	--	--	--	--	--	--	--	--
CU- 786U	11S	8W	6	80-02-13	140	--	--	--	--	--	--	--	--
CU- 787	11S	10W	36	79-12-03	89	0	27	5.2	74	2.2	235	0	.8
CU- 788	10S	11W	36	80-02-13	180	--	--	--	--	--	--	--	--
CU- 789	10S	9W	19	79-12-07	160	0	42	12	170	4.4	208	0	.4
CU- 795	10S	9W	34	80-07-01	--	--	--	--	--	--	--	--	--
CU- 811	11S	9W	3	79-11-29	64	0	17	5.2	340	4.0	236	0	2.4
CU- 827	10S	9W	18	80-09-19	--	--	--	--	--	--	--	--	--
CU- 840	10S	9W	3	80-09-10	--	--	--	--	--	--	--	--	--
CU- 842	10S	9W	18	79-12-10 80-08-04	150 120	0 --	44 --	9.7 --	220 --	5.0 --	221 --	0 --	.8 --
CU- 843	10S	9W	18	79-12-10 80-08-04	160 180	0 --	44 --	12 --	39 --	2.3 --	218 --	0 --	4.2 --
CU- 844	10S	9W	18	79-12-10 80-08-04	110 110	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
CU- 847	10S	9W	7	80-01-11	83	0	28	3.2	86	47	168	0	.0

LOCAL IDENT- I- FIFR					DATE OF SAMPLE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
ASCENSION PARISH--Continued														
AN- 168	9S	2E	46	80-06-09	620	--	--	--	--	--	--	--	--	--
AN- 244	9S	2E	46	80-06-09	480	--	--	--	--	--	--	--	--	--
AN- 267	9S	3E	16	80-05-16	5.2	--	--	--	--	--	--	--	--	--
AN- 282	11S	14E	16	79-11-29	52	--	--	--	--	--	--	--	--	--
AN- 283	11S	14E	16	79-11-29	21	--	--	--	--	--	--	--	--	--
AN- 296	10S	2E	3	79-11-27	400	--	--	--	--	--	--	--	--	--
AN- 298	11S	14E	16	79-11-29	39	--	--	--	--	--	--	--	--	--
AN- 308	9S	2E	46	80-06-09	180	--	--	--	--	--	--	--	--	--
CALCASIEU PARISH--Continued														
CU- 79	9S	9W	35	80-09-09	38	--	--	--	--	--	--	--	--	--
CU- 80	9S	9W	35	80-09-09	44	--	--	--	--	--	--	--	--	--
CU- 82	9S	9W	34	80-09-09	49	--	--	--	--	--	--	--	--	--
CU- 83	9S	9W	35	80-09-09	32	--	--	--	--	--	--	--	--	--
CU- 449	9S	9W	34	80-09-09	38	--	--	--	--	--	--	--	--	--
CU- 465	9S	9W	34	80-09-09	78	--	--	--	--	--	--	--	--	--
CU- 583	10S	9W	3	80-09-10	75	--	.1	--	--	--	--	--	--	--
CU- 615	10S	9W	4	80-09-10	67	--	--	--	--	--	--	--	--	--
CU- 710	9S	9W	34	80-09-10	150	--	.2	--	--	--	--	--	--	--
CU- 737	10S	9W	3	79-12-20	70	.1	.3	7.5	282	282	.07	--	--	100
CU- 767	10S	8W	20	79-12-17	720	.0	2.0	44	1540	1310	.20	--	--	1400
CU- 768	10S	8W	20	79-12-17	16	--	--	--	--	--	--	--	50	--
CU- 769	10S	9W	5	79-12-11	190	.4	.5	43	568	562	.07	230	--	220
CU- 770	10S	9W	5	79-12-11	22	--	.1	--	--	--	--	--	170	--
CU- 784	10S	9W	9	79-12-07	170	.0	.5	49	519	486	.07	--	--	680
CU- 786L	11S	8W	6	80-02-13	310	--	.9	--	--	--	--	--	--	--
CU- 786U	11S	8W	6	80-02-13	140	--	.8	--	--	--	--	--	--	--
CU- 787	11S	10W	36	79-12-03	38	.1	--	33	298	296	.04	--	--	110
CU- 788	10S	11W	36	80-02-13	580	--	1.6	--	--	--	--	--	--	--
CU- 789	10S	9W	19	79-12-07	240	.3	.7	46	620	618	.09	--	--	460
CU- 795	10S	9W	34	80-07-01	33	--	--	--	--	--	--	--	--	--
CU- 811	11S	9W	3	79-11-29	440	.1	--	37	934	962	.05	--	--	120
CU- 827	10S	9W	18	80-09-19	130	--	.2	--	--	--	--	--	--	--
CU- 840	10S	9W	3	80-09-10	93	--	--	--	--	--	--	--	--	--
CU- 842	10S	9W	18	79-12-10 80-08-04	310 340	.2 --	-- .4	47 --	756 --	746 --	.01 --	-- --	-- --	510 --
CU- 843	10S	9W	18	79-12-10 80-08-04	40 56	.3 --	-- --	34 --	274 --	283 --	.04 --	-- --	-- --	230 --
CU- 844	10S	9W	18	79-12-10 80-08-04	17 18	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
CU- 847	10S	9W	7	80-01-11	130	.3	--	7.5	393	390	.12	--	--	--

LOCAL IDENTIFIER				STATION	NUMBER	GEO-LOGIC UNIT 1/	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)
CALCASIEU PARISH--Continued													
CU- 848	10S 10W	24	301043093201601	11205LC 11205LC	542 542	80-01-15 80-08-07	1215 1115	1220 1300	8.0 --	21.5 23.5	5 --		
CU- 849	10S 9W	8	301205093182501	11205LC	564	80-08-08	1225	539	--	23.5	--		
CU- 850	10S 9W	7	301200093191901	11205LC 11205LC	548 548	80-02-08 80-08-06	0915 1025	1720 1660	8.0 --	21.0 23.0	-- --		
CU- 851	10S 9W	7	301213093191701	11205LC 11205LC	554 554	80-02-08 80-08-06	1115 1425	1500 1770	7.9 --	22.5 23.5	-- --		
CU- 852	10S 9W	7	301153093192101	11205LC 11205LC	560 560	80-02-12 80-08-06	1445 1150	1410 1180	-- --	20.0 23.5	-- --		
CU- 861	10S 9W	5	301330093181701	11202LC	225	80-09-11	1215	387	7.2	24.0	--		
CU- 867	9S 9W	33	301351093173001	11205LC	500	80-09-10	1440	392	7.1	23.0	--		
CU- 868	9S 9W	33	301340093174101	11205LC	520	80-09-10	1500	447	7.3	23.0	--		
CU- 869	9S 9W	33	301349093171501	11205LC	526	80-09-10	1030	693	7.0	23.0	--		
CU- 949	10S 9W	4	301334093175301	11205LC	504	80-09-11	1245	837	7.0	22.5	--		
CU- 951	10S 9W	4	301328093175701	11205LC	500	80-09-11	1325	509	6.8	22.0	--		
CU- 955	10S 9W	3	301430093165201	11205LC	689	80-09-10	1215	435	7.4	22.5	--		
CU- 956	11S 9W	1	300742093145201	11205LC	648	80-06-10	--	411	--	--	--		
CU- 957	10S 9W	18	301120093191002	11205LC	500	80-09-19	--	688	7.5	23.0	--		
CU- 958	8S 10W	35	301944093170401	11207LC	707	79-11-28	1000	467	6.7	--	5		
CU- 959	10S 10W	24	301031093204901	11207LC 11207LC	733 733	80-01-14 80-08-05	1330 1010	745 729	8.7 --	-- 23.5	5 --		
CU- 960	10S 10W	24	301031093204902	11205LC 11205LC	598 598	79-11-27 80-08-05	1500 1055	454 444	7.0 --	24.0 24.0	5 --		
CU- 962	11S 9W	3	300812093165801	11202LC	287	79-11-29	1445	538	6.8	18.0	5		
CU- 963	11S 10W	11	300718093220001	11202LC	399	80-02-26	1500	611	8.5	22.0	0		
CU- 965	10S 10W	21	301013093231201	11202LC	270	80-02-22	1230	455	6.9	21.0	0		
CU- 966	9S 7W	33	301350093045001	11202LC	235	79-12-05	1145	1050	6.7	20.0	5		
CU- 968	11S 11W	15	300557093250401	11202LC	276	80-02-22	1125	420	7.8	22.5	0		
CU- 969	10S 7W	12	301117093021601	11202LC	190	79-12-05	1330	1240	6.9	20.5	5		
CU- 972	8S 7W	27	301941093035601	11207LC	595	79-11-30	1030	1120	9.4	18.0	--		
CU- 973	9S 8W	30	301601093130601	11207LC	661	79-11-28	1400	--	7.9	--	--		
CU- 974	9S 8W	30	301601093130602	11205LC	466	79-11-28	--	320	6.3	18.0	--		
CU- 975	8S 7W	27	301941093035602	11202LC	237	79-11-30	1140	--	5.9	18.5	--		
CU- 976	10S 9W	8	301129093183001	11205LC 11205LC	550 550	79-12-11 80-08-08	1015 1050	1380 1350	7.2 --	21.0 24.0	5 --		
CU- 977	8S 10W	35	301944093170402	11205LC	515	79-11-28	1100	296	6.3	20.0	70		
CU- 978	9S 8W	32	301409093120301	11207LC	645	79-11-30	1315	342	6.2	18.0	20		
CU- 987	9S 9W	33	301341093174801	11202LC	200	80-09-11	1420	393	7.1	24.5	--		
CU- 988	10S 8W	19	301059093125101	11205LC	523	80-02-28	1110	442	7.3	21.0	0		
CU- 989	10S 8W	19	301059093125102	11202LC	330	80-02-28	1245	423	7.1	21.5	0		
CU- 990	10S 8W	19	301059093125103	11202LC	183	80-02-28	1400	424	7.5	21.5	0		
CU- 991	9S 12W	30	301436093335101	11205LC 11205LC	315 315	80-02-21 80-08-28	1115 --	274 278	7.2 --	22.5 --	0 0		

LOCAL IDENTIFIER				DATE OF SAMPLE	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DISSOLVED (MG/L AS Ca)	MAGNESIUM, DISSOLVED (MG/L AS Mg)	SODIUM, DISSOLVED (MG/L AS Na)	POTASSIUM, DISSOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	SULFATE DISSOLVED (MG/L AS SO4)
CALCASIEU PARISH--Continued													
CU- 848	10S 10W	24	80-01-15 80-08-07	270 300	89 --	72 --	21 --	130 --	5.5 --	217 --	0 --	.2 --	
CU- 849	10S 9W	8	80-08-08	110	--	--	--	--	--	--	--	--	
CU- 850	10S 9W	7	80-02-08 80-08-06	200 210	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	
CU- 851	10S 9W	7	80-02-08 80-08-06	130 180	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	
CU- 852	10S 9W	7	80-02-12 80-08-06	160 130	0 --	-- --	-- --	-- --	-- --	220 --	0 --	-- --	
CU- 861	10S 9W	5	80-09-11	--	--	--	--	--	--	--	--	--	
CU- 867	9S 9W	33	80-09-10	--	--	--	--	--	--	--	--	--	
CU- 868	9S 9W	33	80-09-10	--	--	--	--	--	--	--	--	--	
CU- 869	9S 9W	33	80-09-10	--	--	--	--	--	--	--	--	--	
CU- 949	10S 9W	4	80-09-11	--	--	--	--	--	--	--	--	--	
CU- 951	10S 9W	4	80-09-11	--	--	--	--	--	--	--	--	--	
CU- 955	10S 9W	3	80-09-10	--	--	--	--	--	--	--	--	--	
CU- 956	11S 9W	1	80-06-10	--	--	--	--	--	--	--	--	--	
CU- 957	10S 9W	18	80-09-19	--	--	--	--	--	--	--	--	--	
CU- 958	8S 10W	35	79-11-28	38	0	11	2.6	94	2.5	230	0	1.6	
CU- 959	10S 10W	24	80-01-14 80-08-05	100 100	0 --	28 --	7.8 --	110 --	3.4 --	210 --	0 --	.0 --	
CU- 960	10S 10W	24	79-11-27 80-08-05	120 120	0 --	31 --	9.4 --	47 --	3.2 --	176 --	0 --	1.2 --	
CU- 962	11S 9W	3	79-11-29	76	0	19	6.9	99	2.0	312	0	1.2	
CU- 963	11S 10W	11	80-02-26	130	0	30	13	110	2.0	295	0	35	
CU- 965	10S 10W	21	80-02-22	140	0	37	11	47	2.0	239	0	21	
CU- 966	9S 7W	33	79-12-05	260	27	64	25	120	3.5	288	0	6.2	
CU- 968	11S 11W	15	80-02-22	58	0	15	5.0	80	1.0	254	0	.0	
CU- 969	10S 7W	12	79-12-05	310	76	77	30	150	4.2	290	0	170	
CU- 972	8S 7W	27	79-11-30	170	--	--	--	--	--	--	--	--	
CU- 973	9S 8W	30	79-11-28	70	--	--	--	--	--	--	--	--	
CU- 974	9S 8W	30	79-11-28	92	--	--	--	--	--	--	--	--	
CU- 975	8S 7W	27	79-11-30	250	--	--	--	--	--	--	--	--	
CU- 976	10S 9W	8	79-12-11 80-08-08	230 220	48 --	65 --	16 --	190 --	5.3 --	222 --	0 --	2.0 --	
CU- 977	8S 10W	35	79-11-28	82	0	22	6.6	27	2.6	116	0	5.6	
CU- 978	9S 8W	32	79-11-30	88	0	23	7.4	35	2.9	143	0	3.8	
CU- 987	9S 9W	33	80-09-11	--	--	--	--	--	--	--	--	--	
CU- 988	10S 8W	19	80-02-28	140	0	42	9.0	41	2.0	230	0	.0	
CU- 989	10S 8W	19	80-02-28	140	0	40	8.8	40	2.0	236	0	.0	
CU- 990	10S 8W	19	80-02-28	90	0	23	7.9	62	2.0	244	0	.0	
CU- 991	9S 12W	30	80-02-21 80-08-28	77 75	0 0	21 21	6.0 5.5	32 30	2.0 2.0	139 132	0 0	2.0 9.4	

LOCAL IDENTIFIER				DATE OF SAMPLE	CHLORIDE, DIS-SOLVED (MG/L AS CL)	FLUORIDE, DIS-SOLVED (MG/L AS F)	BROMIDE DIS-SOLVED (MG/L AS BR)	SILICA, DIS-SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (MG/L)	NITROGEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS-SOLVED (UG/L AS FE)	MANGANESE, DIS-SOLVED (UG/L AS MN)
CALCASIEU PARISH--Continued													
CU- 848	10S 10W 24	80-01-15 80-08-07	290 300	.1 --	.8 .3	49 --	777 --	680 --	.10 --	-- --	800 --		
CU- 849	10S 9W 8	80-08-08	74	--	--	--	--	--	--	--	--		
CU- 850	10S 9W 7	80-02-08 80-08-06	430 420	-- --	-- .5	-- --	-- --	-- --	-- --	-- --	-- --		
CU- 851	10S 9W 7	80-02-08 80-08-06	360 460	-- --	1.1 .5	-- --	-- --	-- --	-- --	-- --	-- --		
CU- 852	10S 9W 7	80-02-12 80-08-06	350 270	-- --	.9 .3	-- --	-- --	-- --	-- --	-- --	-- --		
CU- 861	10S 9W 5	80-09-11	16	--	--	--	--	--	--	--	--		
CU- 867	9S 9W 33	80-09-10	39	--	--	--	--	--	--	--	--		
CU- 868	9S 9W 33	80-09-10	44	--	--	--	--	--	--	--	--		
CU- 869	9S 9W 33	80-09-10	120	--	--	--	--	--	--	--	--		
CU- 949	10S 9W 4	80-09-11	160	--	--	--	--	--	--	--	--		
CU- 951	10S 9W 4	80-09-11	64	--	--	--	--	--	--	--	--		
CU- 955	10S 9W 3	80-09-10	40	--	--	--	--	--	--	--	--		
CU- 956	11S 9W 1	80-06-10	17	--	--	--	--	--	--	--	--		
CU- 957	10S 9W 18	80-09-19	110	--	.1	--	--	--	--	--	--		
CU- 958	8S 10W 35	79-11-28	32	.5	.2	30	288	287	.04	--	80		
CU- 959	10S 10W 24	80-01-14 80-08-05	130 130	.1 --	.4 .2	46 --	429 --	429 --	.09 --	-- --	390 --		
CU- 960	10S 10W 24	79-11-27 80-08-05	54 54	.4 --	.2 .1	52 --	288 --	286 --	.08 --	600 --	440 --		
CU- 962	11S 9W 3	79-11-29	18	.2	--	19	330	320	1.1	--	140		
CU- 963	11S 10W 11	80-02-26	60	.2	--	24	414	419	.00	--	100		
CU- 965	10S 10W 21	80-02-22	17	.1	--	27	280	281	.42	--	100		
CU- 966	9S 7W 33	79-12-05	190	.1	--	32	586	584	.82	190	170		
CU- 968	11S 11W 15	80-02-22	12	.1	--	19	256	257	.00	--	79		
CU- 969	10S 7W 12	79-12-05	140	.2	--	38	776	751	.03	1400	640		
CU- 972	8S 7W 27	79-11-30	260	--	1.0	--	--	--	--	3700	--		
CU- 973	9S 8W 30	79-11-28	140	--	.5	--	--	--	--	130	--		
CU- 974	9S 8W 30	79-11-28	23	--	--	--	--	--	--	470	--		
CU- 975	8S 7W 27	79-11-30	260	--	--	--	--	--	--	2300	--		
CU- 976	10S 9W 8	79-12-11 80-08-08	320 340	.2 --	-- .4	48 --	788 --	755 --	.10 --	-- --	800 --		
CU- 977	8S 10W 35	79-11-28	30	.2	.2	53	218	208	.31	3000	370		
CU- 978	9S 8W 32	79-11-30	32	.2	.2	53	238	229	.10	830	400		
CU- 987	9S 9W 33	80-09-11	16	--	--	--	--	--	--	--	--		
CU- 988	10S 8W 19	80-02-28	31	.1	--	42	301	280	.11	--	260		
CU- 989	10S 8W 19	80-02-28	20	.1	--	40	275	267	.23	--	250		
CU- 990	10S 8W 19	80-02-28	18	.1	--	24	257	257	.44	100	140		
CU- 991	9S 12W 30	80-02-21 80-08-28	19 20	.2 .2	-- --	45 46	203 188	195 199	.00 .38	260 60	190 160		

LOCAL IDENT- IFIER				STATION NUMBER	GEO- LOGIC UNIT 1/	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COBALT UNITS)
CALCASIEU PARISH--Continued												
CU- 994	11S	13W	14	300634093400401	11207LC	757	80-02-07	1130	795	7.7	22.0	0
CU-1000	AS	8W	15	302143093100702	11205LC	444	80-06-11	--	284	--	--	--
					11205LC	444	80-07-03	--	293	--	--	--
CU-1020	10S	8W	17	301141093123501	11205LC	375	80-02-27	1400	413	7.6	22.5	0
CU-1021	9S	9W	26	301435093154601	11205LC	487	80-01-11	1130	322	6.9	23.5	10
CU-1022	9S	9W	27	301444093162901	11207LC	618	80-01-14	1130	355	6.7	20.0	5
CU-1023	10S	9W	3	301331093164701	11207LC	701	80-09-10	1145	749	7.1	23.0	--
CU-1024	10S	6W	17	301056093004401	112CHCTU	350	80-07-01	--	1040	--	--	--
					112CHCTU	350	80-08-21	--	1050	--	--	--
CU-1040	9S	9W	33	301404093170507	11205LC	352	79-12-20	1430	407	7.4	22.0	5
CU-1041	11S	9W	9	300702093165801	11205LC	560	79-11-29	1215	444	6.6	--	0
CU-1042	9S	11W	21	301547093301101	11205LC	452	79-11-27	1145	277	6.8	22.5	5
CU-1043	9S	9W	36	301407093145202	11207LC	670	80-01-14	1530	473	7.7	23.0	20
CU-1046	9S	9W	7	301711093190402	11207LC	688	80-01-16	1400	382	7.4	23.5	20
CU-1048	9S	9W	31	301410093193301	11207LC	705	79-12-19	1120	437	8.4	22.5	5
					11207LC	705	80-08-05	1425	428	--	24.0	--
CU-1049	9S	9W	4	301851093180101	11205LC	300	80-02-04	1230	471	6.8	21.0	--
CU-1057	9S	9W	35	301405093153602	11205LC	520	80-09-09	1050	431	6.9	23.0	0
CU-1059	10S	9W	4	301329093171402	11202LC	200	80-09-10	1055	429	7.8	23.0	0
CU-1060	10S	9W	4	301339093173101	11202LC	200	80-09-10	1320	378	7.8	22.5	0
EAST BATON ROUGE PARISH												
ER- 151	7S	1E	82	302641091085801	12220RR	2658	79-12-28	0900	347	--	--	--
ER- 413	7S	1E	81	302642091083201	12115RR	1745	79-12-28	0855	336	--	--	--
ER- 434	7S	1W	49	302619091104003	11206RR	611	79-12-05	1110	556	--	--	--
					11206RR	611	80-06-02	1700	555	--	--	--
ER- 500	7S	1W	46	302654091101101	11206RR	710	79-12-10	1400	10700	--	--	--
ER- 569	7S	1W	65	302312091111701	12115RR	2170	79-12-06	0820	1620	--	--	--
ER- 621	7S	1E	39	302500091052501	12115RR	1487	79-12-28	0945	391	--	--	--
					12115RR	1487	80-06-11	0840	396	--	--	--
ER- 750	6S	1W	75	303141091114801	12220RR	2643	79-12-26	1600	672	--	--	--
ER- 771	7S	1E	81	302646091083801	12115RR	1739	79-12-28	0855	330	--	--	--
ER- 778	7S	1E	94	302509091082701	12220RR	2586	79-12-12	1255	937	--	--	--
ER- 780A	7S	1E	94	302509091082702	12112RR	1622	79-12-12	1535	2740	--	--	--
ER- 780B	7S	1E	94	302509091082703	12115RR	1913	79-12-12	1405	1660	--	--	--
ER- 781	7S	1E	94	302535091090401	12220RR	2286	79-12-12	1155	6260	--	--	--
ER- 782A	7S	1E	94	302535091090402	12110RR	1189	79-12-11	1555	1720	--	--	--
ER- 782B	7S	1E	94	302535091090403	12115RR	1681	79-12-12	0815	1820	--	--	--
					12115RR	1681	80-05-28	1415	1920	--	--	--
ER- 783A	7S	1W	54	302502091113601	12115RR	2179	79-12-06	1000	548	--	--	--
ER- 783B	7S	1W	54	302502091113602	12220RR	2675	79-12-06	0930	3350	--	--	--
					12220RR	2675	80-06-04	1400	3370	--	--	--
ER- 789A	7S	1E	93	302511091070401	11204RR	711	79-12-14	1345	1160	--	--	--

LOCAL IDENT- IFIER	DATE OF SAMPLE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	SULFATE DIS- SOLVED (MG/L AS S04)
CALCASIEU PARISH--Continued										
CU- 994	11S 13W 14 80-02-07	95	0	30	4.9	130	3.0	215	0	3.6
CU-1000	8S 8W 15 80-06-11 80-07-03	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
CU-1020	10S 8W 17 80-02-27	120	0	34	9.0	45	2.0	232	0	.0
CU-1021	9S 9W 26 80-01-11	83	0	22	6.8	33	2.7	141	0	5.2
CU-1022	9S 9W 27 80-01-14	68	0	19	5.0	48	3.0	148	0	3.4
CU-1023	10S 9W 3 80-09-10	--	--	--	--	--	--	--	--	--
CU-1024	10S 6W 17 80-07-01 80-08-21	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
CU-1040	9S 9W 33 79-12-20	130	0	37	8.6	37	2.8	199	0	3.6
CU-1041	11S 9W 9 79-11-29	120	0	38	6.6	46	2.8	222	0	2.0
CU-1042	9S 11W 21 79-11-27	74	0	20	5.8	28	2.9	130	0	4.4
CU-1043	9S 9W 36 80-01-14	140	3	38	9.7	41	3.4	161	0	1.0
CU-1046	9S 9W 7 80-01-16	74	0	18	7.1	51	2.9	155	0	1.8
CU-1048	9S 9W 31 79-12-19 80-08-05	50 45	0 --	16 --	2.4 --	78 --	2.4 --	186 --	0 --	.2 --
CU-1049	9S 9W 4 80-02-04	160	0	41	13	42	2.0	256	0	5.1
CU-1057	9S 9W 35 80-09-09	120	0	34	8.0	42	4.0	164	0	3.0
CU-1059	10S 9W 4 80-09-10	100	0	29	7.7	54	2.0	242	0	2.4
CU-1060	10S 9W 4 80-09-10	120	0	33	7.9	38	3.0	209	0	2.2
EAST BATON ROUGE PARISH--Continued										
ER- 151	7S 1E 82 79-12-28	3	--	--	--	--	--	--	--	--
ER- 413	7S 1E 81 79-12-28	4	--	--	--	--	--	--	--	--
ER- 434	7S 1W 49 79-12-05 80-06-02	39 38	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
ER- 500	7S 1W 46 79-12-10	1800	--	--	--	--	--	--	--	--
ER- 569	7S 1W 65 79-12-06	9	--	--	--	--	--	--	--	--
ER- 621	7S 1E 39 79-12-28 80-06-11	8 7	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
ER- 750	6S 1W 75 79-12-26	4	--	--	--	--	--	--	--	--
ER- 771	7S 1E 81 79-12-28	3	--	--	--	--	--	--	--	--
ER- 778	7S 1E 94 79-12-12	5	--	--	--	--	--	--	--	--
ER- 780A	7S 1E 94 79-12-12	140	--	--	--	--	--	--	--	--
ER- 780B	7S 1E 94 79-12-12	8	--	--	--	--	--	--	--	--
ER- 781	7S 1E 94 79-12-12	140	--	--	--	--	--	--	--	--
ER- 782A	7S 1E 94 79-12-11	16	--	--	--	--	--	--	--	--
ER- 782B	7S 1E 94 79-12-12 80-05-28	62 58	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
ER- 783A	7S 1W 54 79-12-06	4	--	--	--	--	--	--	--	--
ER- 783B	7S 1W 54 79-12-06 80-06-04	7 9	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
ER- 789A	7S 1E 93 79-12-14	28	--	--	--	--	--	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)	
CALCASIEU PARISH--Continued											
CU- 994	11S 13W 14	80-02-07	150	.2	.4	35	464	463	.00	--	190
CU-1000	8S 8W 15	80-06-11 80-07-03	32 32	-- --	-- --	-- --	-- --	-- --	-- --	-- --	
CU-1020	10S 8W 17	80-02-27	20	.1	--	32	253	257	.42	30	180
CU-1021	9S 9W 26	80-01-11	28	.2	.1	55	220	223	.03	830	400
CU-1022	9S 9W 27	80-01-14	34	.1	.2	53	236	240	.08	610	290
CU-1023	10S 9W 3	80-09-10	140	--	--	--	--	--	--	--	
CU-1024	10S 6W 17	80-07-01 80-08-21	140 120	-- --	-- --	-- --	-- --	-- --	-- --	-- --	
CU-1040	9S 9W 33	79-12-20	31	.0	.2	44	254	263	.12	--	290
CU-1041	11S 9W 9	79-11-29	29	.2	--	43	274	277	.06	--	200
CU-1042	9S 11W 21	79-11-27	17	.2	--	52	208	196	.12	1000	380
CU-1043	9S 9W 36	80-01-14	67	.1	.3	50	297	290	.06	--	500
CU-1046	9S 9W 7	80-01-16	41	.2	.2	48	246	248	.22	1500	300
CU-1048	9S 9W 31	79-12-19 80-08-05	47 47	1.0 --	.2 .1	49 --	287 --	288 --	.10 --	-- 130	170 230
CU-1049	9S 9W 4	80-02-04	33	--	--	--	296	--	--	2100	270
CU-1057	9S 9W 35	80-09-09	48	.2	.1	50	268	272	.42	1400	470
CU-1059	10S 9W 4	80-09-10	15	.1	--	25	299	254	.33	20	110
CU-1060	10S 9W 4	80-09-10	15	.2	--	43	241	246	.45	10	420
EAST BATON ROUGE PARISH--Continued											
EB- 151	7S 1E 82	79-12-28	2.0	--	--	--	--	--	--	--	
EB- 413	7S 1E 81	79-12-28	1.8	--	--	--	--	--	--	--	
EB- 434	7S 1W 49	79-12-05 80-06-02	89 92	-- --	-- --	-- --	-- --	-- --	-- --	-- --	
EB- 500	7S 1W 46	79-12-10	3700	--	--	--	--	--	--	--	
EB- 569	7S 1W 65	79-12-06	340	--	--	--	--	--	--	--	
EB- 621	7S 1E 39	79-12-28 80-06-11	18 23	-- --	-- --	-- --	-- --	-- --	-- --	-- --	
EB- 750	6S 1W 75	79-12-26	40	--	--	--	--	--	--	--	
EB- 771	7S 1E 81	79-12-28	1.8	--	--	--	--	--	--	--	
EB- 778	7S 1E 94	79-12-12	160	--	--	--	--	--	--	--	
EB- 780A	7S 1E 94	79-12-12	800	--	--	--	--	--	--	--	
EB- 780B	7S 1E 94	79-12-12	340	--	--	--	--	--	--	--	
EB- 781	7S 1E 94	79-12-12	1900	--	--	--	--	--	--	--	
EB- 782A	7S 1E 94	79-12-11	440	--	--	--	--	--	--	--	
EB- 782B	7S 1E 94	79-12-12 80-05-28	490 510	-- --	-- --	-- --	-- --	-- --	-- --	-- --	
EB- 783A	7S 1W 54	79-12-06	58	--	--	--	--	--	--	--	
EB- 783B	7S 1W 54	79-12-06 80-06-04	800 760	-- --	-- --	-- --	-- --	-- --	-- --	-- --	
EB- 789A	7S 1E 93	79-12-14	260	--	--	--	--	--	--	--	

LOCAL IDENTIFIER				STATION	NUMBR	GEO-LOGIC UNIT 1/	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE, WATER (DEG C)	COLOR (PLATINUM COBALT UNITS)
EAST BATON ROUGE PARISH--Continued													
EB- 789B	7S	1E	93	302511091070402		12115RR	1721	79-12-14	1405	3040	--	--	--
						12115RR	1721	80-05-30	1015	3240	--	--	--
EB- 792B	7S	1E	95	302605091080602		12220RR	2286	79-12-13	1335	384	--	--	--
EB- 793	7S	1W	71	302719091103201		11206RR	687	79-12-10	1510	318	--	--	--
						11206RR	687	80-06-02	0920	301	--	--	--
EB- 794	7S	1W	52	302559091110801		12224RR	2709	79-12-04	1600	490	--	--	--
						12224RR	2709	80-06-05	1355	496	--	--	--
EB- 798	6S	1W	39	303133091103101		12228RR	2647	80-06-11	0905	727	--	--	--
EB- 803A	8S	2E	5	302306091022601		12115RR	1975	79-11-28	1340	802	--	--	--
						12115RR	1975	80-06-03	1630	784	--	--	--
EB- 803B	8S	2E	5	302306091022602		12220RR	2565	80-01-22	1445	2030	--	--	--
						12220RR	2565	80-06-03	1040	2010	--	--	--
EB- 804A	7S	1E	70	302428091035001		12117RR	1950	79-12-17	1100	380	--	--	--
EB- 804B	7S	1E	70	302428091035002		12224RR	2762	79-12-17	1210	416	--	--	--
EB- 805	7S	1E	70	302428091035003		12110RR	1072	79-12-17	1505	14700	--	--	--
						12110RR	1072	80-05-30	1200	14800	--	--	--
EB- 806B	7S	1W	72	302702091103902		12224RR	2579	79-12-06	1455	362	--	--	--
EB- 807A	7S	1E	96	302611091091201		12115RR	1713	79-12-11	1025	2330	--	--	--
						12115RR	1713	80-05-29	1340	2720	--	--	--
EB- 807B	7S	1E	96	302611091091202		12220RR	2264	79-12-11	1240	416	--	--	--
						12220RR	2264	80-05-29	1225	378	--	--	--
EB- 815	7S	1E	52	302425091062301		11204RR	645	80-01-08	1300	319	--	--	--
EB- 822	7S	1W	54	302510091105003		11204RR	573	79-12-05	1355	2870	--	--	--
EB- 866	6S	2E	52	302919091020601		11204RR	400	79-12-19	1400	197	--	--	--
EB- 870	7S	1W	44	302729091100601		11206RR	692	79-12-07	1015	290	--	--	--
						11206RR	692	80-05-30	1325	283	--	--	--
EB- 894	8S	2E	5	302251091021201		1125LRR	519	79-12-26	1400	371	--	--	--
EB- 917	7S	1E	95	302614091083001		12115RR	1736	79-12-14	1150	308	--	--	--
						12115RR	1736	80-06-02	1425	304	--	--	--
EB- 918	7S	1E	91	302547091074401		12115RR	1834	79-12-13	1635	337	--	--	--
						12115RR	1834	80-06-04	0950	315	--	--	--
EB-1000	6S	1W	69	303251091115001		12228RR	2926	79-12-07	1425	848	--	--	--
EB-1019	6S	2E	52	302919091020501		11206RR	700	79-12-19	1600	248	--	--	--
EB-1023	5S	1W	53	303356091103301		1125LRR	170	80-03-20	1000	701	--	--	--
EAST FELICIANA PARISH													
EF- 258	2S	1W	58	305047091123301		12224RR	1256	80-04-04	1015	326	8.4	26.5	0
IBERVILLE PARISH													
IB- 39B	7S	10E	38	302520091261501		12220RR	2504	80-02-14	1000	1160	--	--	--
IB- 228	9S	13E	15	301558091105201		1120DMRO	350	79-11-29	1145	880	6.7	20.5	--
IB- 229D	9S	13E	13	301542091103304		1120DMRO	523	79-11-27	1515	1170	7.5	21.0	--
IB- 231	9S	13E	3	301541091073101		1120DMRO	370	79-11-29	1440	904	7.4	--	--
						1120DMRO	370	80-06-09	0935	1170	--	--	--
IB- 232	9S	13E	3	301539091072801		1120DMRO	370	79-11-27	1320	1600	7.7	21.0	--
						1120DMRO	370	80-06-09	0930	1630	--	--	--
IB- 250	9S	13E	13	301542091103305		1120DMRO	357	79-11-27	1500	928	7.1	20.0	--

LOCAL IDENTIFIER				DATE OF SAMPLE	HARDNESS (MG/L AS CaCO3)	HARDNESS, NONCARBONATE (MG/L AS CaCO3)	CALCIUM DIS-SOLVED (MG/L AS Ca)	MAGNESIUM, DIS-SOLVED (MG/L AS Mg)	SODIUM, DIS-SOLVED (MG/L AS Na)	POTASSIUM, DIS-SOLVED (MG/L AS K)	BICARBONATE (MG/L AS HCO3)	CARBONATE (MG/L AS CO3)	SULFATE DIS-SOLVED (MG/L AS SO4)
EAST BATON ROUGE PARISH--Continued													
FR- 789R	7S	1F	93	79-12-14 80-05-30	100 110	--	--	--	--	--	--	--	--
FR- 792R	7S	1F	95	79-12-13	3	--	--	--	--	--	--	--	--
FR- 793	7S	1W	71	79-12-10 80-06-02	3 3	--	--	--	--	--	--	--	--
FR- 794	7S	1W	52	79-12-04 80-06-05	25 30	--	--	--	--	--	--	--	--
FR- 798	6S	1W	39	80-06-11	4	--	--	--	--	--	--	--	--
FR- 803A	8S	2E	5	79-11-28 80-06-03	3 4	--	--	--	--	--	--	--	--
FR- 803R	8S	2E	5	80-01-22 80-06-03	25 23	--	--	--	--	--	--	--	--
FR- 804A	7S	1F	70	79-12-17	0	--	--	--	--	--	--	--	--
FR- 804R	7S	1F	70	79-12-17	2	--	--	--	--	--	--	--	--
FR- 805	7S	1E	70	79-12-17 80-05-30	1800 1900	--	--	--	--	--	--	--	--
FR- 806R	7S	1W	72	79-12-06	6	--	--	--	--	--	--	--	--
FR- 807A	7S	1F	96	79-12-11 80-05-29	30 44	--	--	--	--	--	--	--	--
FR- 807R	7S	1E	96	79-12-11 80-05-29	5 6	--	--	--	--	--	--	--	--
FR- 815	7S	1F	52	80-01-08	6	--	--	--	--	--	--	--	--
FR- 822	7S	1W	54	79-12-05	210	--	--	--	--	--	--	--	--
FR- 866	6S	2E	52	79-12-19	48	--	--	--	--	--	--	--	--
FR- 870	7S	1W	44	79-12-07 80-05-30	17 12	--	--	--	--	--	--	--	--
FR- 894	8S	2E	5	79-12-26	14	--	--	--	--	--	--	--	--
FR- 917	7S	1E	95	79-12-14 80-06-02	1 2	--	--	--	--	--	--	--	--
FR- 918	7S	1F	91	79-12-13 80-06-04	4 5	--	--	--	--	--	--	--	--
FR-1000	6S	1W	69	79-12-07	2	--	--	--	--	--	--	--	--
FR-1019	6S	2E	52	79-12-19	12	--	--	--	--	--	--	--	--
FR-1023	5S	1W	53	80-03-20	220	--	--	--	--	--	--	--	--
EAST FELICIANA PARISH--Continued													
EF- 258	2S	1W	58	80-04-04	4	0	1.3	.2	77	2.0	194	0	8.4
IBERVILLE PARISH--Continued													
IR- 398	7S	10E	38	80-02-14	10	--	--	--	--	--	--	--	--
IR- 228	9S	13E	15	79-11-29	270	--	--	--	--	--	--	--	--
IR- 229D	9S	13E	13	79-11-27	92	--	--	--	--	--	--	--	--
IR- 231	9S	13E	3	79-11-29 80-06-09	92 91	--	--	--	--	--	--	--	--
IR- 232	9S	13E	3	79-11-27 80-06-09	78 80	--	--	--	--	--	--	--	--
IR- 250	9S	13E	13	79-11-27	230	--	--	--	--	--	--	--	--

LOCAL IDENT- IFIER	DATE OF SAMPLE	CHLOR- IDE, DIS- SOLVED (MG/L AS CL)	FLUOR- IDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SI02)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITU- ENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
EAST BATON ROUGE PARISH--Continued										
ER- 789B	7S 1E 93	79-12-14 80-05-30	900 920	--	--	--	--	--	--	--
ER- 792B	7S 1E 95	79-12-13	1.8	--	--	--	--	--	--	--
ER- 793	7S 1W 71	79-12-10 80-06-02	1.8 3.9	--	--	--	--	--	--	--
ER- 794	7S 1W 52	79-12-04 80-06-05	11 15	--	--	--	--	--	--	--
ER- 798	6S 1W 39	80-06-11	74	--	--	--	--	--	--	--
ER- 803A	8S 2E 5	79-11-28 80-06-03	81 73	--	--	--	--	--	--	--
ER- 803B	8S 2E 5	80-01-22 80-06-03	510 480	--	--	--	--	--	--	--
ER- 804A	7S 1E 70	79-12-17	1.0	--	--	--	--	--	--	--
ER- 804B	7S 1E 70	79-12-17	2.6	--	--	--	--	--	--	--
ER- 805	7S 1E 70	79-12-17 80-05-30	5100 5000	--	--	--	--	--	--	--
ER- 806B	7S 1W 72	79-12-06	3.0	--	--	--	--	--	--	--
ER- 807A	7S 1E 96	79-12-11 80-05-29	660 770	--	--	--	--	--	--	--
ER- 807B	7S 1E 96	79-12-11 80-05-29	17 7.6	--	--	--	--	--	--	--
ER- 815	7S 1E 52	80-01-08	6.8	--	--	--	--	--	--	--
ER- 822	7S 1W 54	79-12-05	600	--	--	--	--	--	--	--
ER- 866	6S 2E 52	79-12-19	7.6	--	--	--	--	--	1800	130
ER- 870	7S 1W 44	79-12-07 80-05-30	2.0 4.5	--	--	--	--	--	--	--
ER- 894	8S 2E 5	79-12-26	10	--	--	--	--	--	--	--
ER- 917	7S 1E 95	79-12-14 80-06-02	2.0 3.7	--	--	--	--	--	--	--
ER- 918	7S 1E 91	79-12-13 80-06-04	1.6 3.2	--	--	--	--	--	--	--
ER-1000	6S 1W 69	79-12-07	99	--	--	--	--	--	--	--
ER-1019	6S 2E 52	79-12-19	4.8	--	--	--	--	--	40	70
ER-1023	5S 1W 53	80-03-20	79	--	--	--	--	--	--	--

EAST FELICIANA PARISH--Continued

EF- 258	2S 1W 58	80-04-04	.9	.5	--	21	212	207	.09	30	0
---------	----------	----------	----	----	----	----	-----	-----	-----	----	---

IBERVILLE PARISH--Continued

IR- 398	7S 10E 38	80-02-14	220	--	--	--	--	--	--	--
IR- 228	9S 13E 15	79-11-29	23	--	--	--	--	--	--	--
IR- 229D	9S 13E 13	79-11-27	85	--	--	--	--	--	--	--
IR- 231	9S 13E 3	79-11-29 80-06-09	77 160	--	--	--	--	--	--	--
IR- 232	9S 13E 3	79-11-27 80-06-09	280 280	--	--	--	--	--	--	--
IR- 250	9S 13E 13	79-11-27	30	--	--	--	--	--	--	--

LOCAL IDENT- IFIER	STATION	NUMBER	GEO- LOGIC UNIT 1/	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COBALT UNITS)
JEFFERSON DAVIS PARISH										
JD- 77	10S	5W	9	301124092531801	112CHCTU	350	80-06-12	--	461	--
JD- 118	9S	4W	35	301348092451601	112CHCT	305	80-06-12	--	448	--
					112CHCT	305	80-07-02	--	451	--
					112CHCT	305	80-08-02	--	450	--
JD- 195	10S	4W	18	301058092484701	112CHCTU	157	80-06-12	--	436	--
					112CHCTU	157	80-07-02	--	428	--
JD- 235	9S	6W	17	301628093001701	112CHCT	247	80-07-07	--	641	--
JD- 447	8S	6W	24	302051092563601	112CHCTU	262	80-06-12	--	331	--
JD- 485A	10S	6W	4	301300092584503	112CHCTU	290	80-01-09	1015	1360	7.8
JD- 505	10S	6W	3	301258092584001	112CHCTU	321	80-05-12	--	1320	8.0
					112CHCTU	321	80-06-10	--	1380	--
JD- 595	9S	6W	36	301350092561301	112CHCTU	280	80-06-12	--	630	--
					112CHCTU	280	80-07-02	--	627	--
JD- 596	10S	3W	16	301046092402001	112CHCTU	285	80-06-12	--	530	--
					112CHCTU	285	80-07-02	--	535	--
JD- 637	9S	6W	17	301606093002001	112CHCTU	231	79-11-13	--	1730	--
					112CHCTU	231	80-07-07	--	788	--
JD- 647	9S	6W	6	301737093010901	112CHCT	231	80-07-07	--	827	--
JD- 648	9S	6W	7	301711093005401	112CHCT	280	80-07-07	--	624	--
LIVINGSTON PARISH										
LI- 189	5S	6E	11	303805090350101	12203FP	2340	79-10-02	1200	261	8.5
LI- 190	5S	6E	11	303805090350102	122AMIT	2155	79-10-17	1100	234	8.3
LI- 192	5S	6E	11	303805090350103	122AMIT	2157	80-04-28	1230	227	--
					122AMIT	2157	80-05-05	1215	--	31.5
POINTE COUPEE PARISH										
PC- 243	6S	10E	15	303305091261501	112MRVA	165	80-08-22	1030	444	6.3
ST. CHARLES PARISH										
SC- 51	12S	8E	6	300043090241201	112NORC	413	79-11-14	1250	1360	--
SC- 167	12S	20E	44	295849090271201	112NORC	464	80-06-26	1400	1570	--
SC- 174	13S	20E	17	295747090242501	112GKMC	272	80-07-30	1530	1120	--
ST. JOHN THE BAPTIST PARISH										
SJB- 165	10S	8E	5	301247090245901	12203FP	3000	80-09-10	0945	791	--
ST. MARTIN PARISH										
SMN- 108	9S	7E	36	301304091424001	112CHCTU	505	80-03-24	1255	1710	7.9
SMN- 109	9S	7E	36	301304091424002	112CHCTU	375	80-03-24	1330	1100	7.3
SMN- 145	7S	5E	43	302426091583101	112ACFL	167	80-03-31	--	432	7.4
WEST BATON ROUGE PARISH										
WAR- 35	7S	12E	68	302657091124201	12112RR	1290	79-11-29	1345	305	--
WAR- 36	7S	12E	69	302610091121101	12112RR	1360	79-11-29	1100	582	--
					12112RR	1360	80-06-10	0905	632	--
WAR- 37	7S	12E	69	302613091121501	12112RR	1356	79-11-29	1055	660	--
					12112RR	1356	80-06-10	0910	629	--
WAR- 97H	7S	12E	70	302546091131402	12115RR	2200	79-11-30	0830	570	--
					12115RR	2200	80-06-05	1100	477	--

LOCAL IDENT- IFIER	DATE OF SAMPLE	HARD- NESS (MG/L AS CACO3)	HARD- NESS, NONCAR- BONATE (MG/L CACO3)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HCO3)	CAR- BONATE (MG/L AS CO3)	SULFATE DIS- SOLVED (MG/L AS SO4)
JEFFERSON DAVIS PARISH--Continued										
JD- 77	10S 5W 9	80-06-12	--	--	--	--	--	--	--	--
JD- 118	9S 4W 35	80-06-12	--	--	--	--	--	--	--	--
		80-07-02	--	--	--	--	--	--	--	--
		80-08-02	--	--	--	--	--	--	--	--
JD- 195	10S 4W 18	80-06-12	--	--	--	--	--	--	--	--
		80-07-02	--	--	--	--	--	--	--	--
JD- 235	9S 6W 17	80-07-07	96	--	25	8.0	91	--	--	--
JD- 447	8S 6W 24	80-06-12	--	--	--	--	--	--	--	--
JD- 485A	10S 6W 4	80-01-09	160	0	40	14	210	3.7	272	0
JD- 505	10S 6W 3	80-05-12	160	0	42	14	220	3.0	253	0
		80-06-10	--	--	--	--	--	--	--	--
JD- 595	9S 6W 36	80-06-12	--	--	--	--	--	--	--	--
		80-07-02	--	--	--	--	--	--	--	--
JD- 596	10S 3W 16	80-06-12	--	--	--	--	--	--	--	--
		80-07-02	--	--	--	--	--	--	--	--
JD- 637	9S 6W 17	79-11-13	590	--	--	--	180	--	--	--
		80-07-07	140	--	36	13	100	--	--	--
JD- 647	9S 6W 6	80-07-07	140	--	37	12	100	--	--	--
JD- 648	9S 6W 7	80-07-07	120	--	25	14	75	--	--	--
LIVINGSTON PARISH--Continued										
LI- 189	5S 6E 11	79-10-02	4	0	1.0	.4	60	.6	144	6
LI- 190	5S 6E 11	79-10-17	12	0	3.5	.8	49	1.0	134	3
LI- 192	5S 6E 11	80-04-28	13	0	5.0	.1	48	1.0	128	0
		80-05-05	--	--	--	--	--	--	--	--
POINTE COUPEE PARISH--Continued										
PC- 243	6S 10E 15	80-08-22	210	0	58	16	10	3.0	287	0
ST. CHARLES PARISH--Continued										
SC- 51	12S 8E 6	79-11-14	49	--	--	--	--	--	--	--
SC- 167	12S 20E 44	80-06-26	58	--	--	--	--	--	--	--
SC- 174	13S 20E 17	80-07-30	550	--	--	--	--	--	--	--
ST. JOHN THE BAPTIST PARISH--Continued										
SJB- 165	10S 8E 5	80-09-10	2	--	--	--	--	--	--	--
ST. MARTIN PARISH--Continued										
SMN- 108	9S 7E 36	80-03-24	250	0	54	28	310	5.0	584	0
SMN- 109	9S 7E 36	80-03-24	200	0	50	18	180	4.0	556	0
SMN- 145	7S 5E 43	80-03-31	200	0	45	20	20	--	278	0
WEST BATON ROUGE PARISH--Continued										
WBR- 35	7S 12E 68	79-11-29	1	--	--	--	--	--	--	--
WBR- 36	7S 12E 69	79-11-29	5	--	--	--	--	--	--	--
		80-06-10	8	--	--	--	--	--	--	--
WBR- 37	7S 12E 69	79-11-29	8	--	--	--	--	--	--	--
		80-06-10	5	--	--	--	--	--	--	--
WBR- 978	7S 12E 70	79-11-30	6	--	--	--	--	--	--	--
		80-06-05	7	--	--	--	--	--	--	--

LOCAL IDENT- I- FIFR	DATE OF SAMPLE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
JEFFERSON DAVIS PARISH--Continued										
JN- 77	10S 5W 9	80-06-12	49	--	--	--	--	--	--	--
JN- 118	9S 4W 35	80-06-12	51	--	--	--	--	--	--	--
		80-07-02	51	--	--	--	--	--	--	--
		80-08-02	49	--	--	--	--	--	--	--
JN- 145	10S 4W 18	80-06-12	47	--	--	--	--	--	--	--
		80-07-02	45	--	--	--	--	--	--	--
JN- 235	9S 6W 17	80-07-07	98	--	--	--	--	--	--	--
JN- 447	8S 6W 24	80-06-12	44	--	--	--	--	--	--	--
JN- 485A	10S 6W 4	80-01-09	300	.1	.9	42	760	752	.03	--
JN- 505	10S 6W 3	80-05-12	310	.2	--	41	786	764	.52	570
		80-06-10	310	--	--	--	--	--	--	280
JN- 595	9S 6W 36	80-06-12	76	--	--	--	--	--	--	--
		80-07-02	76	--	--	--	--	--	--	--
JN- 596	10S 3W 16	80-06-12	58	--	--	--	--	--	--	--
		80-07-02	58	--	--	--	--	--	--	--
JN- 637	9S 6W 17	79-11-13	150	--	--	--	--	--	--	--
		80-07-07	120	--	--	--	--	--	--	--
JN- 647	9S 6W 6	80-07-07	170	--	--	--	--	--	--	--
JN- 648	9S 6W 7	80-07-07	100	--	--	--	--	--	--	--
LIVINGSTON PARISH--Continued										
LI- 189	5S 6E 11	79-10-02	2.9	.0	--	34	178	184	.05	70
LI- 190	5S 6E 11	79-10-17	2.5	.0	--	60	198	192	.05	60
LI- 192	5S 6E 11	80-04-28	4.2	.2	--	65	193	192	.47	240
		80-05-05	--	--	--	--	--	--	--	60
POINTE COUPEE PARISH--Continued										
PC- 243	6S 10E 15	80-08-22	5.1	.2	--	31	264	267	.40	2200
ST. CHARLES PARISH--Continued										
SC- 51	12S 8E 6	79-11-14	220	--	--	--	--	--	--	--
SC- 167	12S 20E 44	80-06-26	250	--	--	--	--	--	--	--
SC- 174	13S 20E 17	80-07-30	28	--	--	--	--	--	--	--
ST. JOHN THE BAPTIST PARISH--Continued										
SJR- 165	10S 8E 5	80-09-10	36	--	--	--	--	--	--	--
ST. MARTIN PARISH--Continued										
SMN- 108	9S 7E 36	80-03-24	300	.2	--	31	1010	1010	.20	--
SMN- 109	9S 7E 36	80-03-24	93	.2	--	33	654	658	.20	--
SMN- 145	7S 5E 43	80-03-31	4.2	--	--	--	--	--	--	3800
WEST BATON ROUGE PARISH--Continued										
WRR- 35	7S 12E 68	79-11-29	2.2	--	--	--	--	--	--	--
WRR- 36	7S 12E 69	79-11-29	71	--	--	--	--	--	--	--
		80-06-10	93	--	--	--	--	--	--	--
WRR- 37	7S 12E 69	79-11-29	90	--	--	--	--	--	--	--
		80-06-10	92	--	--	--	--	--	--	--
WRR- 97B	7S 12E 70	79-11-30	69	--	--	--	--	--	--	--
		80-06-05	50	--	--	--	--	--	--	--

LOCAL IDENT- I- FIER	STATION NUMBER		GEO- LOGIC UNIT 1/	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE, WATER (DEG C)	COLOR (PLAT- INUM COBALT UNITS)
WEST BATON ROUGE PARISH--Continued										
WBR- 100A	7S	12E	68	302652091121401	12117RR	1888	79-11-29	1410	313	-- -- --
WBR- 100B	7S	12E	68	302652091121402	12224RR	2448	79-11-29	1115	353	-- -- --
WBR- 101	7S	12E	91	302726091145501	12112RR	1367	79-12-18	1220	302	-- -- --
WBR- 102A	7S	12E	7	302806091172601	12112RR	1288	79-11-30	1430	269	-- -- --
WBR- 102B	7S	12E	7	302806091172602	12220RR	2100	79-11-30	1405	365	-- -- --
WBR- 106	7S	12E	93	302703091133703	12220RR	2017	79-12-03	1005	411	-- -- --
WBR- 111	7S	12E	70	302550091124101	12220RR	2650	79-11-29	1000	624	-- -- --
					12220RR	2650	80-06-10	0805	627	-- -- --
WBR- 112	7S	12E	70	302550091124102	12115RR	2205	79-11-29	1000	543	-- -- --
					12115RR	2205	80-06-10	0810	545	-- -- --
WBR- 113	7S	12E	70	302547091123201	12115RR	2242	79-11-29	0810	837	-- -- --
					12115RR	2242	80-06-10	0820	836	-- -- --
WBR- 114	8S	12E	5	302421091134402	12115RR	2146	79-11-30	0950	510	-- -- --
					12115RR	2146	80-06-10	0930	538	-- -- --
WBR- 132	7S	12E	74	302505091132001	12115RR	2082	79-11-30	1000	310	-- -- --
WBR- 136	7S	12E	21	302712091145701	12112RR	1305	79-11-30	1025	278	-- -- --
WBR- 137	7S	12E	93	302657091142101	12112RR	1330	79-11-30	1100	291	-- -- --
WBR- 146	7S	12E	119	302853091150201	11204RR	472	79-12-03	1400	302	-- -- --
WBR- 147	7S	12E	70	302559091122001	12110RR	1292	79-12-03	1250	2840	-- -- --
WBR- 148	7S	11E	23	302702091185101	12112RR	1304	79-12-04	1030	338	-- -- --
WBR- 161	6S	12E	50	302958091124802	11206RR	650	79-12-20	0930	289	-- -- --
WEST FELICIANA PARISH										
WF- 152	2S	2W	80	305024091154501	12224RR	1529	80-04-04	1100	256	8.0 26.0 0
WF- 264	1S	3W	73	305759091273304	12228RR	960	80-04-22	1600	279	8.0 25.0 0
WF- 265	1S	4W	41	305608091322001	12228RR	822	80-04-22	1330	289	7.5 22.5 0
WF- 267	2S	2W	76	305118091171302	12228RR	1445	80-03-20	1600	216	7.2 -- 0

LOCAL IDENT- I- FIFR	DATE OF SAMPLE	HARD- NESS (MG/L AS CAC03)	HARD- NESS, NONCAR- BONATE (MG/L CAC03)	CALCIUM DIS- SOLVED (MG/L AS CA)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG)	SODIUM, DIS- SOLVED (MG/L AS NA)	POTAS- SIUM, DIS- SOLVED (MG/L AS K)	BICAR- BONATE (MG/L AS HC03)	CAR- BONATE (MG/L AS C03)	SULFATE DIS- SOLVED (MG/L AS S04)
WEST BATON ROUGE PARISH--Continued										
WBR- 100A	75 12F 68 79-11-29	5	--	--	--	--	--	--	--	--
WBR- 100B	75 12F 68 79-11-29	3	--	--	--	--	--	--	--	--
WBR- 101	75 12F 91 79-12-18	1	--	--	--	--	--	--	--	--
WBR- 102A	75 12F 7 79-11-30	6	--	--	--	--	--	--	--	--
WBR- 102B	75 12F 7 79-11-30	2	--	--	--	--	--	--	--	--
WBR- 106	75 12F 93 79-12-03	4	--	--	--	--	--	--	--	--
WBR- 111	75 12F 70 79-11-29 80-06-10	2 0	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
WBR- 112	75 12F 70 79-11-29 80-06-10	4 5	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
WBR- 113	75 12F 70 79-11-29 80-06-10	11 10	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
WBR- 114	85 12F 5 79-11-30 80-06-10	2 5	-- --	-- --	-- --	-- --	-- --	-- --	-- --	-- --
WBR- 132	75 12F 74 79-11-30	2	--	--	--	--	--	--	--	--
WBR- 136	75 12F 21 79-11-30	2	--	--	--	--	--	--	--	--
WBR- 137	75 12F 93 79-11-30	2	--	--	--	--	--	--	--	--
WBR- 146	75 12F 119 79-12-03	44	--	--	--	--	--	--	--	--
WBR- 147	75 12F 70 79-12-03	15	--	--	--	--	--	--	--	--
WBR- 148	75 11F 23 79-12-04	1	--	--	--	--	--	--	--	--
WBR- 161	65 12F 50 79-12-20	11	--	--	--	--	--	--	--	--
WEST FELICIANA PARISH--Continued										
WF- 152	25 2# 80 80-04-04	2	0	.8	.0	60	1.0	142	0	9.0
WF- 264	15 3# 73 80-04-22	9	0	2.8	.5	60	2.0	160	0	8.2
WF- 265	15 4# 41 80-04-22	18	0	5.1	1.3	60	3.0	167	0	8.6
WF- 267	25 2# 76 80-03-20	4	0	1.1	.3	50	2.0	117	0	11

LOCAL IDENT- I- FIFR	DATE OF SAMPLE	CHLO- RIDE, DIS- SOLVED (MG/L AS CL)	FLUO- RIDE, DIS- SOLVED (MG/L AS F)	BROMIDE DIS- SOLVED (MG/L AS BR)	SILICA, DIS- SOLVED (MG/L AS SiO2)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L)	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (MG/L)	NITRO- GEN, NITRATE TOTAL (MG/L AS NO3)	IRON, DIS- SOLVED (UG/L AS FE)	MANGA- NESE, DIS- SOLVED (UG/L AS MN)
WEST BATON ROUGE PARISH--Continued										
WRR- 100A	7S 12E 6R	79-11-29	2.2	--	--	--	--	--	--	--
WRR- 100R	7S 12E 6R	79-11-29	1.4	--	--	--	--	--	--	--
WRR- 101	7S 12E 91	79-12-18	3.0	--	--	--	--	--	--	--
WRR- 102A	7S 12E 7	79-11-30	2.0	--	--	--	--	--	--	--
WRR- 102R	7S 12E 7	79-11-30	1.4	--	--	--	--	--	--	--
WRR- 106	7S 12E 93	79-12-03	2.2	--	--	--	--	--	--	--
WRR- 111	7S 12E 70	79-11-29 80-06-10	2.6 3.0	--	--	--	--	--	--	--
WRR- 112	7S 12E 70	79-11-29 80-06-10	56 60	--	--	--	--	--	--	--
WRR- 113	7S 12E 70	79-11-29 80-06-10	120 120	--	--	--	--	--	--	--
WRR- 114	8S 12E 5	79-11-30 80-06-10	63 74	--	--	--	--	--	--	--
WRR- 132	7S 12E 74	79-11-30	1.8	--	--	--	--	--	--	--
WRR- 136	7S 12E 21	79-11-30	4.6	--	--	--	--	--	--	--
WRR- 137	7S 12E 93	79-11-30	2.4	--	--	--	--	--	--	--
WRR- 146	7S 12E 119	79-12-03	4.2	--	--	--	--	--	--	--
WRR- 147	7S 12E 70	79-12-03	780	--	--	--	--	--	--	--
WRR- 148	7S 11E 23	79-12-04	2.0	--	--	--	--	--	--	--
WRR- 161	6S 12E 50	79-12-20	2.2	--	--	--	--	--	0	20

WEST FELICIANA PARISH--Continued

WF- 152	2S 24 80	80-04-04	1.9	.2	--	39	179	182	.09	50	20
WF- 264	1S 34 73	80-04-22	1.1	.2	--	24	189	178	.30	20	0
WF- 265	1S 44 41	80-04-22	1.6	.2	--	29	199	191	.40	0	0
WF- 267	2S 24 76	80-03-20	1.2	.4	--	52	186	176	.17	690	28

1/ Geologic unit (aquifer):

112ACFL-Atchafalaya aquifer, Pleistocene age.
 112CHCT-Chicot aquifer, Pleistocene age.
 112CHCTU-Chicot aquifer, upper sand unit, Pleistocene age.
 112DDMRO-Deltaic deposits of Mississippi River valley, older, Pleistocene age.
 112GRMC-Gramercy aquifer, Pleistocene age.
 112GZNO-Gonzales-New Orleans aquifer, Pleistocene age.
 112MRVA-Mississippi River alluvial aquifer, Pleistocene age.
 112NORC-Norco aquifer, Pleistocene age.
 112SLBR-Shallow sands of Baton Rouge area, Pleistocene age.
 11202LC-"200-foot" sand of Lake Charles area, Pleistocene age.
 11204BR-"400-foot" sand of Baton Rouge-Gonzales area, Pleistocene age.
 11205LC-"500-foot" sand of Lake Charles area, Pleistocene age.
 11206BR-"600-foot" sand of Baton Rouge-Gonzales area, Pleistocene age.
 11207LC-"700-foot" sand of Lake Charles area, Pleistocene age.
 11210BR-"1000-foot" sand of Baton Rouge area, Pliocene age.
 11212BR-"1200-foot" sand of Baton Rouge area, Pliocene age.
 11215BR-"1500-foot" sand of Baton Rouge area, Pliocene age.
 11217BR-"1700-foot" sand of Baton Rouge area, Pliocene age.
 112AMIT-Amite aquifer, Miocene age.
 11203FP-Zone 3 Florida Parishes and Pointe Coupee Parish, Miocene age.
 11220BR-"2000-foot" sand of Baton Rouge area, Miocene age.
 11224BR-"2400-foot" sand of Baton Rouge area, Miocene age.
 11228BR-"2800-foot" sand of Baton Rouge area, Miocene age.

QUALITY OF GROUND WATER
MINOR ELEMENTS, OCTOBER 1979 TO SEPTEMBER 1980

LOCAL IDENT- I- FIER	STATION	NUMRER	GFO- LOGIC UNIT	DEPTH OF WELL, TOTAL (FEET)	DATE OF SAMPLE	TIME	TUR- BID- ITY (NTU)	NITRO- GEN, NITRATE TOTAL (MG/L AS N)	NITRO- GEN, NITRITE TOTAL (MG/L AS N)	NITRO- GEN, NO2+NO3 TOTAL (MG/L AS N)
CALCASIEU PARISH										
CU-1049	9S 9W 4	301851093180101	11205LC	300	80-02-04	1230	7.6	.02	.01	.03
POINTE COUPEE PARISH										
PC- 243	6S 10E 15	303305091261501	112MRVA	165	80-08-22	1030	--	--	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	PHOS- PHORUS, TOTAL (MG/L AS P)	PHOS- PHORUS, ORTHOPH OSPHATE TOTAL (MG/L AS P04)	ALUM- INUM, DIS- SOLVED (UG/L AS AL)	ANTI- MONY, DIS- SOLVED (UG/L AS SB)	ARSENIC DIS- SOLVED (UG/L AS AS)	BARIUM, DIS- SOLVED (UG/L AS BA)	BERYL- LIUM, DIS- SOLVED (UG/L AS BE)	BORON, DIS- SOLVED (UG/L AS B)	CADMIUM DIS- SOLVED (UG/L AS CD)
CALCASIEU PARISH--Continued										
CU-1049	9S 9W 4 80-02-04	.250	.77	10	--	0	200	--	30	<1
POINTE COUPEE PARISH--Continued										
PC- 243	6S 10E 15 80-08-22	--	--	0	0	5	300	<1	40	<1

LOCAL IDENT- I- FIER	DATE OF SAMPLE	CHRO- MIUM, DIS- SOLVED (UG/L AS CR)	CORALI, DIS- SOLVED (UG/L AS CO)	COPPER, DIS- SOLVED (UG/L AS CU)	LEAD, DIS- SOLVED (UG/L AS PB)	LITHIUM DIS- SOLVED (UG/L AS LI)	MERCURY TOTAL RECOV- ERABLE (UG/L AS HG)	MERCURY SUS- PENDEED RECOV- ERABLE (UG/L AS HG)	MERCURY DIS- SOLVED (UG/L AS HG)	MOLYB- DENUM, DIS- SOLVED (UG/L AS MO)
CALCASIEU PARISH--Continued										
CU-1049	9S 9W 4 80-02-04	0	<3	<10	1	--	--	--	.0	<10
POINTE COUPEE PARISH--Continued										
PC- 243	6S 10E 15 80-08-22	0	<3	0	0	<4	.1	.1	.0	<10

LOCAL IDENT- I- FIER	DATE OF SAMPLE	NICKEL, DIS- SOLVED (UG/L AS NI)	SELE- NIUM, DIS- SOLVED (UG/L AS SE)	SILVER, DIS- SOLVED (UG/L AS AG)	VANA- DIUM, DIS- SOLVED (UG/L AS V)	ZINC, DIS- SOLVED (UG/L AS ZN)	CARBON, ORGANIC TOTAL (MG/L AS C)	CYANIDE TOTAL (MG/L AS CN)
CALCASIEU PARISH--Continued								
CU-1049	9S 9W 4 80-02-04	0	0	--	.0	30	5.4	.00
POINTE COUPEE PARISH--Continued								
PC- 243	6S 10E 15 80-08-22	1	0	0	--	10	--	--

<Actual value is known to be less than the value shown.

PAGE	PAGE
ABITA RIVER NORTH OF ABITA SPRINGS	269
ACCURACY OF FIELD DATA	23
ACRE-FOOT, DEFINITION OF	4
ACY, NEW RIVER AT	181
ALEXANDER CREEK NEAR ST. FRANCISVILLE	268
AMITE RIVER, AT GRANGEVILLE	271
AT 4-H CAMP NEAR DENHAM SPRINGS	172-179
AT MAGNOLIA	270
NEAR BATON ROUGE	273
NEAR DARLINGTON	156-157, 289
NEAR DENHAM SPRINGS	170-171, 290
ANALYSIS OF SAMPLES COLLECTED AT MISC SITES	277-288
AQUIFER, DEFINITION OF	4
ARTESIAN, DEFINITION OF	4
ASHLEY BRANCH NEAR KENTWOOD	269
ATCHAFALAYA RIVER, AT MELVILLE	197-207
AT SIMMESPORT	192-196
BACTERIA, DEFINITION OF	4
BAKER, SOUTH CANAL NEAR	92-93, 289
WHITE BAYOU NEAR	166-167, 290
BAKER CANAL, AT BAKER	271
NEAR BAKER	271
BAPTIST, NATALBANY RIVER AT	154-155, 289
BASILE, BAYOU NEZPIQUE AT MAMOU PUMPING PLANT NEAR ..	235
BATON ROUGE, WHITE BAYOU EAST DIVERSION CHANNEL ..	162-163, 290
NEAR	268
BAYOU BATON ROUGE ABOVE BAKER	268
BAYOU BATON ROUGE BASIN, PARTIAL-RECORD	268, 271
STATIONS IN	287
BAYOU BLANC, AT CROWLEY	287-288
NEAR CROWLEY	288
SOUTHWEST OF CROWLEY	275
BAYOU CHENE NEAR WELSH	234
BAYOU DES CANNES, AT STATE HIGHWAY 755, NEAR EUNICE ..	274
BAYOU DUPLANIER AT LEE DRIVE, AT BATON ROUGE	273
BAYOU FOUNTAIN, AT BEN HUR ROAD, AT BATON ROUGE ..	273
AT GARDERE LANE, NEAR BATON ROUGE	273
TRIBUTARY NEAR BATON ROUGE	275
BAYOU FRANCOIS, AT GONZALES	275
NEAR GONZALES	275
BAYOU GRAND MARAIS NEAR JENNINGS	281-282
BAYOU GROSSE TETE AT ROSEDALE	242
BAYOU LACCASINE NEAR LAKE ARTHUR	182-183
BAYOU LAFOURCHE AT DONALDSONVILLE	180
BAYOU MANCHAC AT MOUTH, NEAR PORT VINCENT	235
BAYOU NEZPIQUE AT MAMOU PUMPING PLANT, NEAR BASILE ..	275
BAYOU PLAQUEMINE BRULE NEAR CROWLEY	208-216
BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE ..	268
BAYOU SARA BASIN, CREST-STAGE PARTIAL-RECORD	184-191
STATIONS IN	243-244
BAYOU SORREL, LOWER GRAND RIVER AT	272
BEAR HEAD CREEK NEAR STARKS	272
BEAVER BAYOU, AT DENHAM ROAD, NEAR BATON ROUGE ..	270
AT WAX ROAD, NEAR BATON ROUGE	5
NEAR FRED	5
BED MATERIAL, DEFINITION OF	5
BIOCHEMICAL OXYGEN DEMAND, DEFINITION OF	5
BIOMASS, DEFINITION OF	275
BLACK BAYOU, NEAR DUPLESSIS	275
NEAR PRAIRIEVILLE	275, 276
NORTHEAST OF DUPLESSIS	267
BLACK CREEK NEAR SLAUGHTER	267
BLACKWATER BAYOU, NEAR BATON ROUGE	272
NEAR FRED	267
BLOOD RIVER NEAR ALBANY	270
NEAR SPRINGFIELD	47-48, 289
BOGALUSA, BOGUE LUSA CREEK AT STATE	49-54
HIGHWAY 439 AT	33-46, 289
PEARL RIVER AT POOLS BLUFF NEAR	271
PEARL RIVER NEAR	57
BOGUE CHITTO, AT ENON	58-68, 289
AT FRANKLINTON	55-56
NEAR BUSH	269
NEAR TYLERTOWN, MISS.	268
BOGUE FALAYA AT COVINGTON	47-48, 289
BOGUE LUSA CREEK, AT STATE HIGHWAY 21, AT BOGALUSA ..	268
AT STATE HIGHWAY 439, AT BOGALUSA	268
AT STATE HIGHWAY 439, AT BOGALUSA	269
TRIBUTARY NEAR FRANKLINTON	269
BRIDGES BRANCH NEAR LIVERPOOL	245-247
BUHLER, HOUSTON RIVER NEAR	58-68, 289
BUSH, BOGUE CHITTO NEAR	267
BUXTON CREEK NEAR DE QUINCY	243-259
CALCASIEU RIVER BASIN, GAGING STATION RECORDS IN	267
PARTIAL-RECORD STATIONS IN	255-257
CALCASIEU RIVER AND PASS NEAR LAKE CHARLES	252-254
CALCASIEU RIVER, AT MILE 40 AT LAKE CHARLES	248-249
EAST OF SALT WATER BARRIER AT LAKE CHARLES	250-251
WEST OF SALT WATER BARRIER AT LAKE CHARLES	6
CELLS/VOLUME, DEFINITION OF	6
CFS-DAY, DEFINITION OF	269
CHAPPEPEELA CREEK, NEAR HUSSEY	269
SOUTHEAST OF LORANGER	6
CHEMICAL OXYGEN DEMAND, DEFINITION OF	6
CHLOROPHYLL, DEFINITION OF	273
CLAY CUT BAYOU, AT SIEGEN LANE, NEAR BATON ROUGE ...	273
NEAR HOPE VILLA	268
COBURN CREEK AT BOGALUSA	19
COLLECTION AND COMPUTATION OF SURFACE-WATER DATA ...	24
COLLECTION AND EXAMINATION OF WATER-QUALITY DATA ...	26
COLLECTION OF GROUND-WATER DATA	6
COLOR UNIT, DEFINITION OF	168-169, 290
COMITE, COMITE RIVER NEAR	271
COMITE RIVER, AT COMITE DRIVE, NEAR BATON ROUGE	272
AT GREENWELL SPRINGS ROAD, NEAR BATON ROUGE	271
NEAR CLINTON	168-169, 290
NEAR COMITE	160-161, 290
NEAR OLIVE BRANCH	271
NEAR ZACHARY	7
CONTENTS, DEFINITION OF	7
CONTROL, DEFINITION OF	7
CONTROL STRUCTURE, DEFINITION OF	7
COOPERATION, RECORD OF	2
CORPORATION CANAL, AT CAMPUS DR., AT BATON ROUGE ...	274
AT CHIMES ST., AT BATON ROUGE	274
CORPORATION CANAL, AT EAST ROOSEVELT ST.	274
AT BATON ROUGE	274
AT OKLAHOMA ST., AT BATON ROUGE	274
AT STANFORD AVE., AT BATON ROUGE	108-113
COVINGTON, TCHEFUNCTA RIVER NEAR	268-270
CREST-STAGE PARTIAL-RECORD STATIONS	7
CUBIC FEET PER SECOND, DEFINITION OF	7
CUBIC FEET PER SQUARE MILE, DEFINITION OF	7
CYPRESS BAYOU (HEAD OF BAKER CANAL), AT BAKER	272
AT HOOPER ROAD, NEAR BATON ROUGE	272
AT PLANK ROAD, NEAR BATON ROUGE	272
DARLINGTON, AMITE RIVER NEAR	156-157, 289
DAWSON CREEK, AT PERKINS ROAD, AT BATON ROUGE	274
AT STARING LANE, NEAR BATON ROUGE	274
DEFINITION OF TERMS	4
DENHAM SPRINGS, AMITE RIVER AT 4-H CAMP NEAR	172-179
AMITE RIVER NEAR	170-171, 290
DISCHARGE, DEFINITION OF	7
DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES ..	276
DISSOLVED, DEFINITION OF	7
DIVERSITY INDEX, DEFINITION OF	7
DONALDSONVILLE, BAYOU LAFOURCHE NEAR	182-183
DOWNSTREAM ORDER AND STATION NUMBERS	16
DRAINAGE AREA, DEFINITION OF	8
DRAINAGE BASIN, DEFINITION OF	8
EAST BAYOU LACCASINE AT WELCH	275
ELBOW BAYOU, AT BATON ROUGE	273, 276
NEAR BATON ROUGE	273, 276
TRIBUTARY AT BATON ROUGE	273-276
EUNICE, BAYOU DES CANNES AT STATE HIGHWAY 755, NEAR ..	234
EXPLANATION OF GROUND-WATER LEVEL RECORDS	26
EXPLANATION OF STAGE AND WATER-DISCHARGE RECORDS ...	19
EXPLANATION OF WATER-QUALITY RECORDS	24
FLOOD-PROFILE PARTIAL-RECORD STATIONS	271-275
FOLSOM, TCHEFUNCTA RIVER NEAR	106-107, 289
FRANKLINTON, BOUGE CHITTO AT	57
FRENCH BRANCH NEAR SLIDELL	271
GAGE HEIGHT, DEFINITION OF	8
GAGING STATION, DEFINITION OF	8
GRAND LAKE, INTRACOSTAL WATERWAY AT CALCASIEU LOCK ..	258-259
NEAR	267
GRANTS BAYOU NEAR STARHILL	267

PAGE	PAGE
GRAYS CREEK NEAR PORT VINCENT	267
GREENWELL SPRINGS, LITTLE SANDY CREEK NEAR	158-159, 290
GROUND-WATER LEVEL RECORDS (BY PARISHES):	
ACADIA	296
ASCENSION	296
CALCASIEU	297-309
EAST BATON ROUGE	309-323
EAST FELICIANA	323-324
IBERVILLE	325
JEFFERSON DAVIS	325-326
LAFAYETTE	326
LIVINGSTON	326-327
POINTE COUPEE	327-329
ST. CHARLES	330-331
ST. HELENA	331
ST. JAMES	332
ST. JOHN THE BAPTIST	332-334
ST. MARTIN	334
ST. TAMMANY	334-336
TANGIPAHOA	336-338
WASHINGTON	338-340
WEST BATON ROUGE	340-344
WEST FELICIANA	344
GROUND-WATER CHEMICAL-ANALYSIS (BY PARISHES):	
ASCENSION	350-352
CALCASIEU	350-358, 368
EAST BATON ROUGE	356-361
EAST FELICIANA	359-361
IBERVILLE	359-361
JEFFERSON DAVIS	362-364
LIVINGSTON	362-364
POINTE COUPEE	362-364, 368
ST. CHARLES	362-364
ST. HELENA	362-364
ST. JOHN THE BAPTIST	362-364
ST. MARTIN	362-364
WEST BATON ROUGE	362-367
WEST FELICIANA	365-367
HAMNER CREEK TRIBUTARY NEAR JACKSON	268
HARDNESS, DEFINITION OF	8
HAYS CREEK NEAR FRANKLINTON	268
HENDERSON BAYOU, NEAR DUPLESSIS	274
NEAR PORT VINCENT	275, 276
TRIBUTARY AT GALVEZ	274
TRIBUTARY NEAR DUPLESSIS	274
TRIBUTARY NO. 2 NEAR DUPLESSIS	275
HICKORY BRANCH NEAR ALBANY	269
HOFFMAN CREEK NEAR GREENSBURG	269
HOLDEN, TICKFAW RIVER AT	152-153, 289
HOUSTON RIVER, NEAR BUHLER	245-247
NEAR EDGERLY	267
HURRICANE CREEK, AT BATON ROUGE	272
NEAR BATON ROUGE	272
HYDROLOGIC BENCH-MARK STATION, DEFINITION OF	18
HYDROLOGIC CONDITIONS, DEFINITION OF	2
HYDROLOGIC UNIT, DEFINITION OF	8
INDEX	369-371
INTRACOSTAL WATERWAY AT CALCASIEU LOCK	258-259
NEAR GRAND LAKE	270
INTRACOSTAL WATERWAY TRIBUTARY NEAR PORT ALLEN	1
INTRODUCTION	272
JONES CREEK, AT AIRLINE HIGHWAY, AT BATON ROUGE	272
AT FLORIDA BOULEVARD, AT BATON ROUGE	273
AT OLD HAMMOND HIGHWAY, NEAR BATON ROUGE	273
NEAR WOODLAWN SCHOOL, NEAR BATON ROUGE	269
KILLIAN BAYOU NEAR MAUREPAS	220-221, 290
LAFAYETTE, VERMILION RIVER AT SURREY STREET, AT	222-233
VERMILION RIVER AT STATE HIGHWAY 3073, NEAR	242
LAKE ARTHUR, BAYOU LACASSINE NEAR	255-257
LAKE CHARLES, CALCASIEU RIVER AND PASS NEAR	252-254
CALCASIEU RIVER AT MILE 40 AT	248-249
CALCASIEU RIVER EAST OF SALT WATER BARRIER AT	250-251
CALCASIEU RIVER WEST OF SALT WATER BARRIER AT	277-278
LAKE HENDERSON, NEAR ATCHAFALAYA	279-280
NEAR HENDERSON	136-139
LAKE PONTCHARTRAIN, AT MOUTH OF TANGIPAHOA RIVER,	132-135
NEAR LEE LANDING	126-127
AT MOUTH OF TCHEFUNCTA RIVER NEAR MADISONVILLE	140-143
AT NORTH SHORE NEAR SLIDELL	8
AT PASS MANCHAC NEAR MANCHAC	269
LAND SURFACE DATUM, DEFINITION OF	268
LANIER CREEK NEAR LORANGER	267
LAWRENCE CREEK NEAR FRANKLINTON	267
LEE LANDING, LAKE PONTCHARTRAIN AT MOUTH OF	136-139
TANGIPAHOA RIVER NEAR	268
LITTLE BAYOU SARA NEAR TURNBULL	269
LITTLE BOGUE FALAYA NEAR BLOND	270
LITTLE NATALBANY RIVER AT ALBANY	158-159, 290
LITTLE SANDY CREEK (TRIBUTARY TO BEAVER CREEK),	271
NEAR GREENWELL SPRINGS	272
NEAR MILLDALE	272
LIVELY BAYOU, EAST OF BATON ROUGE	272
NORTHEAST OF BATON ROUGE	272
SOUTHEAST OF BATON ROUGE	150-151, 289
LIVERPOOL, TICKFAW RIVER NEAR	184-191
LOWER GRAND RIVER AT BAYOU SORREL	267
LOW-FLOW PARTIAL-RECORD STATIONS	100-105
LULING FERRY, MISSISSIPPI RIVER AT	132-135
MADISONVILLE, LAKE PONTCHARTRAIN AT MOUTH OF	140-143
TCHEFUNCTA RIVER NEAR	144-145
MANCHAC, LAKE PONTCHARTRAIN AT PASS MANCHAC NEAR	146-149
PASS MANCHAC AT	13
MIDDLE OF LAKE MAUREPAS NEAR	276
MEAN CONCENTRATION	197-207
MEASUREMENTS AT MISCELLANEOUS SITES	236-241
MELVILLE, ATCHAFALAYA RIVER AT	236-241
MERMENEAU RIVER AT MERMENEAU	234-242
MERMENEAU, MERMENEAU RIVER AT	275
MERMENEAU RIVER BASIN, GAGING STATION RECORDS IN	287-288
CREST-STAGE PARTIAL-RECORD STATIONS IN	8
WATER-QUALITY MISCELLANEOUS SITES IN	9
METHYLENE BLUE ACTIVE SUBSTANCE, DEFINITION OF	9
MICROGRAMS PER GRAM, DEFINITION OF	9
MICROGRAMS PER KILOGRAM, DEFINITION OF	9
MICROGRAMS PER LITER, DEFINITION OF	9
MIDDLE COLYELL CREEK NEAR WALKER	270
MIDDLE OF LAKE MAUREPAS NEAR MANCHAC	146-149
MILLIGRAMS PER LITER	9
MISSISSIPPI RIVER DELTA, DISCHARGE MEASUREMENTS	276
AT MISCELLANEOUS SITES IN	106-233
GAGING STATION RECORDS IN	267, 269-276
PARTIAL-RECORD STATIONS IN	277-286
WATER-QUALITY MISCELLANEOUS SITES IN	289-290
WATER-QUALITY PARTIAL-RECORD STATIONS IN	276
MISSISSIPPI MAIN STEM AND LOWER MISSISSIPPI DISCHARGE	70-105
MEASUREMENTS AT MISCELLANEOUS SITES IN	276
GAGING STATION RECORDS IN	100-105
MISSISSIPPI RIVER, AT BATON ROUGE	276
AT LULING FERRY	94-96
AT MILE 103.8	70-73
AT PLAQUEMINE	97-99
AT TARBERT LANDING, MISS	80-91
AT UNION	271
NEAR ST. FRANCISVILLE	271
MONTE SANO BAYOU AT BATON ROUGE	274
AT RYAN AIRPORT AT BATON ROUGE	274
MUDDY CREEK, AT PRAIRIEVILLE	274, 276
NEAR OAK GROVE	276
TRIBUTARY NEAR PRAIRIEVILLE	154-155, 289
NATALBANY RIVER AT BAPTIST	9
NATIONAL GEODETIC VERTICAL DATUM OF 1929,	18
DEFINITION OF	18
NATIONAL STREAM-QUALITY ACCOUNTING NETWORK	181
NETWORKS AND PROGRAMS, SPECIAL	275
NEW RIVER, AT ACY	274
AT GONZALES	274
NORTH BRANCH WARD CREEK, AT BATON ROUGE	274
AT GOODWOOD BOULEVARD AT BATON ROUGE	270
TRIBUTARY AT BATON ROUGE	269
NORTH CARSON CREEK TRIBUTARY NEAR SUNNY HILL	17
NUMBERING SYSTEMS FOR WELLS	271
AND MISCELLANEOUS SITES	160-161, 290
OAKES DIVERSION CHANNEL AT SLIDELL	16
OLIVE BRANCH, COMITE RIVER NEAR	9
ORDER, DOWNSTREAM, AND STATION NUMBERS	9
ORGANISM COUNT/VOLUME, DEFINITION OF	9
ORGANISM, DEFINITION OF	24
OTHER DATA AVAILABLE	9
PARTIAL-RECORD STATION, DEFINITION OF	10
PARTICLE-SIZE CLASSIFICATION, DEFINITION OF	10
PARTICLE-SIZE, DEFINITION OF	144-145
PASS MANCHAC AT MANCHAC	276
PEARL RIVER BASIN, DISCHARGE MEASUREMENTS AT	33-266
MISCELLANEOUS SITES IN	268, 271
GAGING STATION RECORDS IN	289-290
PARTIAL-RECORD STATIONS IN	
WATER-QUALITY PARTIAL-RECORD STATIONS IN	

PAGE	PAGE
PEARL RIVER, AT PEARL RIVER	69
AT POOLS BLUFF NEAR BOGALUSA	49-54
NEAR BOGALUSA	33-46, 289
EAST OF SLIDELL	276
PERCENT COMPOSITION, DEFINITION OF	10
PESTICIDE, DEFINITION OF	10
PESTICIDE PROGRAM	18
PHYTOPLANKTON, DEFINITION OF	11
PICOCURIE, DEFINITION OF	11
PIGEON CREEK NEAR GRANGEVILLE	267
PLANKTON, DEFINITION OF	11
PLAQUEMINE, MISSISSIPPI RIVER AT	94-96
POLYCHLORINATED BIPHENYLS, DEFINITION OF	12
POLYCHLORINATED NAPHTHALENES, DEFINITION OF	12
PONCHATOULA CREEK AT NATALBANY	270
PORT VINCENT, BAYOU MANCHAC AT MOUTH NEAR	180
PRETTY CREEK TRIBUTARY NEAR CLINTON	270
PUBLICATIONS ON TECHNIQUES OF WATER RESOURCES INVESTIGATION	27
RADIOCHEMICAL PROGRAM, DEFINITION OF	19
RECORDS OF DISCHARGE COLLECTED BY OTHER AGENCIES	24
RED RIVER BASIN, GAGING STATION RECORDS IN	74-79
RED RIVER NEAR SIMMESPORT	74-79
REDWOOD CREEK NEAR SLAUGHTER	270
RIGOLETS NEAR LAKE PONTCHARTRAIN, NEAR SLIDELL	124-125
ROBERT, TANGIPAHOA RIVER AT	114-123, 289
ROBERTS CANAL, AT BATON ROUGE	272
NEAR BATON ROUGE	272
RULIFF, TEX., SABINE RIVER NEAR	260-266
RUNOFF IN INCHES, DEFINITION OF	12
RUTH CANAL, AT RUTH	219
NEAR RUTH	217-218
RUTH, RUTH CANAL AT	219
RUTH CANAL NEAR	217-218
SABINE RIVER BASIN, GAGING STATION RECORDS IN	260-266
SABINE RIVER NEAR RULIFF, TEX	260-266
SANDY CREEK, NEAR PRIDE	270
SOUTHEAST OF CLINTON	270
SEDIMENT, DEFINITION OF	12, 25
SIMMESPORT, ATCHAFALAYA RIVER AT	192-196
RED RIVER NEAR	74-79
SILVER SPRINGS CREEK NEAR CLIFTON	268
SLIDELL, LAKE PONTCHARTRAIN AT NORTH SHORE NEAR	126-127
RIGOLETS NEAR LAKE PONTCHARTRAIN, NEAR	124-125
SOLUTES, DEFINITION OF	13
SOUTH CANAL NEAR BAKER	92-93, 289
SPECIAL NETWORKS AND PROGRAMS	18
SPECIFIC CONDUCTANCE, DEFINITION OF	13
STAGE-DISCHARGE RELATION, DEFINITION OF	13
STARKS, BEAR HEAD CREEK NEAR	243-244
ST. FRANCISVILLE, MISSISSIPPI RIVER NEAR	80-91
ST. MARTINVILLE, BAYOU TECHE AT KEYSTONE LOCK, NEAR	208-216
STREAMFLOW, DEFINITION OF	14
SUBSTRATE, DEFINITION OF	14
SURFACE AREA, DEFINITION OF	14
SURFICIAL BED MATERIAL, DEFINITION OF	14
SUSPENDED, DEFINITION OF	14
SUSPENDED-SEDIMENT CONCENTRATION, DEFINITION OF	13
SUSPENDED SEDIMENT, DEFINITION OF	13
SUSPENDED-SEDIMENT DISCHARGE, DEFINITION OF	13
SUSPENDED-SEDIMENT LOAD, DEFINITION OF	13
TANGIPAHOA RIVER, AT ARCOLA	271
AT ROBERT	114-123, 289
AT TANGIPAHOA	271
NEAR KENTWOOD	269
TARBERT LANDING, MISS., MISSISSIPPI RIVER AT	70-73
TAXONOMY, DEFINITION OF	16
TCHEFUNCTA RIVER, NEAR COVINGTON	108-113
NEAR FOLSOM	106-107, 289
NEAR FRANKLINTON	269
TERMS AND ABBREVIATIONS, DEFINITION OF	4
TERRYS CREEK NEAR KENTWOOD	269
THOMPSON CREEK BASIN, PARTIAL-RECORD STATIONS IN	267, 268
THOMPSON CREEK AT JACKSON	268
NEAR STARHILL	268
TICKFAW RIVER, AT HOLDEN	152-153, 289
AT MONTPELIER	269
NEAR LIVERPOOL	150-151, 289
TIME-WEIGHTED AVERAGE, DEFINITION OF	15
TONS PER ACRE-FOOT, DEFINITION OF	15
TONS PER DAY, DEFINITION OF	15
TOTAL, DEFINITION OF	15
TOTAL LOAD, DEFINITION OF	15
TOTAL RECOVERABLE, DEFINITION OF	16
TOTAL SEDIMENT DISCHARGE, DEFINITION OF	13
TRITIUM NETWORK, DEFINITION OF	19
TYLERTOWN, MISS., BOGUE CHITTO NEAR	55-56
UNION, MISSISSIPPI RIVER AT	97-99
VERMILION RIVER, AT SURREY STREET, AT LAFAYETTE	220-221
AT STATE HIGHWAY 3073, NEAR LAFAYETTE	222-233
NEAR CARENCRO	283-286
WARD CREEK, AT COLLEGE DRIVE, AT BATON ROUGE	273
AT GOVERNMENT STREET, AT BATON ROUGE	273
AT ESSEN LANE, NEAR BATON ROUGE	273
AT SIEGEN LANE, NEAR BATON ROUGE	274
WASHLEY CREEK NEAR ROBERT	269
WATER ANALYSIS, DEFINITION OF	24
WATER TEMPERATURE, DEFINITION OF	25
WEIGHTED AVERAGE, DEFINITION OF	16
WEINER CREEK NEAR BATON ROUGE	273
WHITE BAYOU EAST DIVERSION CHANNEL NEAR BATON ROUGE	162-163, 290
WHITE BAYOU, AT HWY 64 NEAR ZACHARY	271
NEAR BAKER	166-167, 290
NEAR BATON ROUGE	271
SOUTHEAST OF ZACHARY	164-165, 290
WRD, DEFINITION OF	16
WSP, DEFINITION OF	16
ZACHARY, WHITE BAYOU SOUTHEAST OF	164-165, 290
ZOOPLANKTON, DEFINITION OF	12

FACTORS FOR CONVERTING INCH-POUND UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

The following factors may be used to convert the inch-pound units published herein to the International System of Units (SI). This report contains both the inch-pound and SI unit equivalents in the station manuscript descriptions.

Multiply inch-pound units	By	To obtain SI units
<i>Length</i>		
inches (in)	2.54×10^1	millimeters (mm)
	2.54×10^{-2}	meters (m)
feet (ft)	3.048×10^{-1}	meters (m)
miles (mi)	1.609×10^0	kilometers (km)
<i>Area</i>		
acres	4.047×10^3	square meters (m ²)
	4.047×10^{-1}	square hectometers (hm ²)
	4.047×10^{-3}	square kilometers (km ²)
square miles (mi ²)	2.590×10^0	square kilometers (km ²)
<i>Volume</i>		
gallons (gal)	3.785×10^0	liters (L)
	3.785×10^0	cubic decimeters (dm ³)
	3.785×10^{-3}	cubic meters (m ³)
million gallons	3.785×10^3	cubic meters (m ³)
	3.785×10^{-3}	cubic hectometers (hm ³)
cubic feet (ft ³)	2.832×10^1	cubic decimeters (dm ³)
	2.832×10^{-2}	cubic meters (m ³)
cfs-days	2.447×10^3	cubic meters (m ³)
	2.447×10^{-3}	cubic hectometers (hm ³)
acre-feet (acre-ft)	1.233×10^3	cubic meters (m ³)
	1.233×10^{-3}	cubic hectometers (hm ³)
	1.233×10^{-6}	cubic kilometers (km ³)
<i>Flow</i>		
cubic feet per second (ft ³ /s)	2.832×10^1	liters per second (L/s)
	2.832×10^1	cubic decimeters per second (dm ³ /s)
	2.832×10^{-2}	cubic meters per second (m ³ /s)
gallons per minute (gal/min)	6.309×10^{-2}	liters per second (L/s)
	6.309×10^{-2}	cubic decimeters per second (dm ³ /s)
	6.309×10^{-5}	cubic meters per second (m ³ /s)
million gallons per day	4.381×10^1	cubic decimeters per second (dm ³ /s)
	4.381×10^{-2}	cubic meters per second (m ³ /s)
<i>Mass</i>		
tons (short)	9.072×10^{-1}	megagrams (Mg) or metric tons

USGS LIBRARY - RESTON



3 1818 00451001 0

POSTAGE AND FEES PAID
U.S. DEPARTMENT OF THE INTERIOR
INT 413



U.S. DEPARTMENT OF THE INTERIOR
Geological Survey
P.O. Box 66492
Baton Rouge, LA 70896

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300
SPECIAL 4TH CLASS BOOK RATE