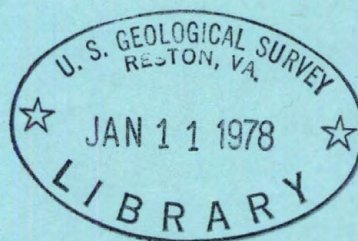


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Water Resources Data for Louisiana

Water Year 1977

Volume 2. Southern Louisiana



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-77-2

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

CALENDAR FOR WATER YEAR 1977

1976

OCTOBER

S	M	T	W	T	F	S
					1	2
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24	25	26	27	28	29	30
31						

NOVEMBER

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1977

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FEBRUARY

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27	28					

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APRIL

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MAY

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JUNE

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JULY

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31						

AUGUST

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SEPTEMBER

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11	12	13	14	15	16	17
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Water Resources Data for Louisiana Water Year 1977

Volume 2. Southern Louisiana



U.S. GEOLOGICAL SURVEY WATER-DATA REPORT LA-77-2

**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

V. E. McKelvey, Director

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

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 J. S. Cragwall, Jr., Chief Hydrologist, U.S. Geological Survey, and G. W. Whetstone, 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

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GAGING STATIONS, IN DOWNSTREAM ORDER, FOR WHICH RECORDS ARE PUBLISHED
*[Letter after station name designates type of data: (d) discharge,
 (g) gage height, (c) chemical, (b) biological,
 (t) water temperature, (s) sediment]*

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INTRODUCTION

Water resources data for the 1977 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 72 gaging stations; stage record for 66 of these gaging stations; stage only for 30 gaging stations; contents for 1 reservoir; stage only for 10 lakes; water quality for 148 stations; 27 of these at gaging stations; 215 areal stations, 10 lakes, and 174 wells; and water levels for 696 observation wells. Also included are 199 crest-stage partial-record stations 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. 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-77-1." 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, George Fischer, Secretary; Office of Public Works, Roy Aguiard, Assistant Secretary, and Office of Highways, W. T. Taylor, Assistant Secretary.

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

Capitol Area Ground Water Conservation Commission, Dr. Austin F. Anthis, chairman.

Assistance in the form of funds or services was provided by the Corps of Engineers, U.S. Army and U.S. Fish and Wildlife Service, in collection of records for 34 gaging stations and 39 water-quality stations published in this report.

Organizations that supplied data are acknowledged in station descriptions.

HYDROLOGIC CONDITIONS

The drought that was prevalent in the western United States in the late spring and summer extended into Louisiana. Streamflow for each month, May to August, was below average at key gaging stations in northern Louisiana as was the runoff for the water year.

Runoff in the central and southwestern areas was about average; in the Florida Parishes runoff was above average. The Red, Atchafalaya, and Mississippi Rivers had below average runoff for the water year.

An outstanding flood on the Amite River in April caused much damage in the Denham Springs area. The key gaging station had a peak discharge on April 23 equal to about a 70-year flood; this was the maximum discharge of record.

The gaging station on Pearl River near Bogalusa had above average runoff for the water year. The peak discharge for the year, 49,900 cubic feet per second on April 22, was equivalent to a 3-year flood.

Because of the low discharge of the lower Mississippi River, movement of saltwater from the Gulf of Mexico into the main stem of the river occurred in early October 1976 and again in late June 1977. The leading edge of the saltwater wedge was located near Myrtle Grove (mile 57) on October 6, 1976, and at Pointe a la Hache (mile 45) on June 21, 1977.

Ground-water levels in many of the major aquifers in Louisiana declined during the water year. These aquifers include the Sparta Sand of northern Louisiana, the Miocene aquifer of central Louisiana, most of the Baton Rouge and New Orleans aquifers, and the Chicot aquifer in the rice-irrigation area of southwestern Louisiana. Water levels for the Evangeline aquifer of southwestern Louisiana at the end of the water year were essentially the same as a year ago.

Because of the low discharge of the lower Mississippi River, movement of saltwater from the Gulf of Mexico into the main stem of the river began in early October and re-occurred in late June. The leading edge of the saltwater wedge was located near Myrtle Grove (mile 57) on October 6 and at Pointe a la Hache (mile 45) on June 21.

The chemical quality of streamflow is monitored at many sites in the State. Samples are obtained at periodic intervals according to the intensity of the study. Results indicate that no unusual changes have taken place in the quality of surface streams during the year, and no new problem areas were found.

Ground-water levels in many of the major aquifers in Louisiana declined during the water year. These aquifers include the Sparta sand of northern Louisiana, the Miocene aquifer of central Louisiana, most of the Baton Rouge and New Orleans aquifers, and the Chicot aquifer in the rice-irrigation area of southwestern Louisiana. Water levels for the Evangeline aquifer of southwestern Louisiana are essentially the same as a year ago. In the Lake Charles industrial area, water levels in the "500-foot" sand of the Chicot aquifer were slightly lower than a year ago.

DEFINITION OF TERMS

Terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined below. See also the table for converting English units to International System of 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 "B" 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 the organisms which produce colonies within 24 hours when incubated at 35°C $\pm$ 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 organisms which produce blue colonies within 24 hours when incubated at 44.5°C $\pm$ 0.2°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 also in 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 within 48 hours at 35°C $\pm$ 1.0°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/m³ (grams per cubic meter), and periphyton and benthic organisms in g/m² (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 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.

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

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

Cubic 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.

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 the amount of substance present in true chemical solution. In practice, however, the term includes all forms of substance that will pass through a 0.45-micrometer membrane filter, and thus may include some very small (coloidal) suspended particles. Analyses are performed on filtered samples.

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.

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.

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

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

Micrograms per kilogram (ug/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.

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

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

Pesticides are chemical compounds used to control 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 should contain not less than 95 percent of 1,2,3,4,10,10-hexachloro-1-4,4a,5,8,8a-hexahydro-0,4-endo-exo-5,8-dimethano-naphthanene.

Chlordane 1,2,4,5,6,7,8,8-oxtachloro-3a,4,7,7-tetrahydro-4,7-methanoindane.

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 O,O-diethyl O- (2-isopropyl-6-methyl-4-pyrimidyl) phosphorothioate.

Dieldrin should contain not less than 85 percent of 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4-endo-exo-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-1,4-endo-endo-5,8-dimethanonaphthalene.

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

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

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

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

Malathion S-(1,2-bis (ethoxycarbonyl) ethyl) O,O-dimethyl phosphorodithioate.

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

Methyl trithion phosphorodithioic acid S- $\{[(p\text{-chlorophenyl})\text{thio}]\text{methyl}\}$ O,O-dimethyl ester.

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

Mirex Dodecachlorooctahydro-1,3,4-methano-2H-cyclobuto [cd] pentalene.

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

Toxaphene chlorinated camphene containing 67 percent chlorine.

Trithion phosphorodithioic acid S- $\{[(p\text{-chlorophenyl})\text{thio}]\text{methyl}\}$ O,O-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:

Atrazine 2-chloro-4-ethylamino-6-isoprophlamino-5-triazine.

Simazine 2-chloro-4,6-bis(ethylamino)-5-triazine.

2,4-D 2,4-dichlorophenoxyacetic acid.

2,4,5-T 2,4,5-trichlorophenoxyacetic 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 water currents. Phytoplankton growth is dependent upon solar radiation and nutrient substances. Because they are able to incorporate as well as release materials to the surrounding water, the phytoplankton have a profound effect upon the quality of the water. They are the primary food producers in the aquatic environment, and are commonly known as algae.

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

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

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

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

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

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 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.

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.....Hexageria
Species.....Hexagenia limbata

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

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

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

DOWNSTREAM ORDER AND STATION NUMBER

Since October 1, 1950, the order of listing hydrologic-station records in Survey reports is in a downstream direction along the main stream. All stations on a tributary entering upstream from a main-stream station are listed before that station. A station on a tributary that enters between two main-stream stations is listed between them. A similar order is followed in listing stations on first rank, second

rank, and other ranks of tributaries. The rank of any tributary on which a station is situated with respect to the stream to which it is immediately tributary is indicated by an indentation in a list of stations in the front of the report. Each indentation represents one rank. This downstream order and system of indentation show which stations are on tributaries between any two stations and the rank of the tributary on which each station is situated.

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

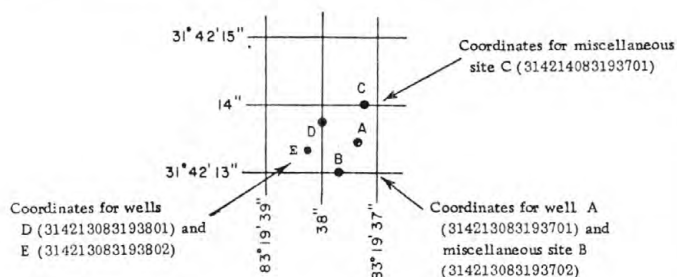


Figure 1. System for numbering wells and miscellaneous sites (latitude and longitude)

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 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 above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "Sea Level Datum of 1929" as used by the Topographic Division of the Geological Survey unless otherwise qualified.

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 5 complete years of record or for stations where changes in water development during the period of record cause the figure to have little

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

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

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

Other 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 1977 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/or other pertinent data 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.

Organics analyses

Water samples were collected from the Mississippi River to identify and quantify both volatile and semivolatile organic compounds present in the river. Volatile samples collected from the Mississippi were collected from mid-channel at a depth of twenty feet using a standard sewage sampler to minimize aeration. Volatile samples from Big Creek at Pollock were collected at mid-depth of the stream. Samples for semivolatile analysis were collected throughout the water column using a sediment sampler equipped with a teflon nozzle and teflon gaskets. All samples were stored at 4°C until time of analysis.

Volatile samples were analyzed using the "Bellar" sparging technique. The samples were sparged for 15 minutes with VHP nitrogen onto a Tonax-GC collection trap. The trap was backflushed at 200°C for 5 minutes to desorb the organics onto the chromatographic column.

Semivolatile samples were extracted with dichloromethane at three different pH levels: 1) pH of the sample (neutral extraction), 2) pH of 1 (acid extraction), and 3) pH of 2 (base extraction). The neutral and base extracts were combined for chromatographic analysis.

All samples were analyzed by Gulf South Research Institute, Department of Analytical Chemistry. Analyses were performed using a Hewlett Packard 5982 gas chromatograph/mass spectrometer (GC/MS) system.

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 of 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 a network of observation wells are published herein. This basic network contains observation wells so located that the most significant data are obtained from the most important aquifers.

This report updates water-level measurements for wells included in "Water resources data for Louisiana, 1975," and "Ground-water levels in Louisiana for wells measured through 1974," Louisiana Department of Public Works Basic Records Report No. 7. Records for some wells, for which measurements have never been published, are also included.

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

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

Water-level measurements in this report are given in feet with reference to land-surface datum (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 mean sea level is given in the well description. Altitudes with zeros in the tenths and hundredths columns are generally accurate only to about the nearest foot. 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 (eom), 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 a larger unit. In the computer format used in this report, zeroes shown in the hundredths column generally indicate measurements accurate only to tenths.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS

Thirty-one 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. \$1.15.
- 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. \$1.90
- 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. \$1.75.
- 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. \$0.25.
- 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. \$0.20.
- 3-A3. *Measurement of peak discharge at culverts by indirect methods*, by G. L. Bodhaine: USGS--TWRI Book 3, Chapter A3. 1968. 60 pages. \$0.40.
- 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. \$1.00
- 3-A5. *Measurement of peak discharge at dams by indirect methods*, by Harry Hulsing: USGS--TWRI Book 3, Chapter A5. 1967. 29 pages. \$0.30.
- 3-A6. *General procedure for gaging streams*, by R. W. Carter and Jacob Davidian: USGS--TWRI Book 3, Chapter A6, 1968, 13 pages. \$0.20.
- 3-A7. *Stage measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A7. 1968. 28 pages. \$0.45.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 3-A8. *Discharge measurements at gaging stations*, by T. J. Buchanan and W. P. Somers: USGS--TWRI Book 3, Chapter A8. 1969. 65 pages. \$1.25.
- 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. \$0.40.
- 3-A12. *Fluorometric procedures for dye tracing*, by J. F. Wilson, Jr.: USGS--TWRI Book 3, Chapter A12. 1968. 31 pages. \$0.35. Not currently available.
- 3-B1. *Aquifer-test design, observation, and data analysis*, by R. W. Stallman: USGS--TWRI Book 3, Chapter B1. 1971. 26 pages. \$0.70.
- 3-C1. *Fluvial sediment concepts*, by H. P. Guy: USGS--TWRI Book 3, Chapter C1. 1970. 55 pages. \$0.65.
- 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. \$0.70.
- 3-C3. *Computation of fluvial-sediment discharge*, by George Porterfield: USGS--TWRI Book 3, Chapter C3. 1972. 66 pages. \$1.15.
- 4-A1. *Some statistical tools in hydrology*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A1. 1968. 39 pages. \$0.30.
- 4-A2. *Frequency curves*, by H. C. Riggs: USGS--TWRI Book 4, Chapter A2. 1968. 15 pages. \$0.20.
- 4-B1. *Low-flow investigations*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B1. 1972. 18 pages. \$0.65.
- 4-B2. *Storage analyses for water supply*, by H. C. Riggs and C. H. Hardison: USGS--TWRI Book 4, Chapter B2. 1973. 20 pages. \$0.75.
- 4-B3. *Regional analyses of streamflow characteristics*, by H. C. Riggs: USGS--TWRI Book 4, Chapter B3. 1973. 15 pages. \$0.75.
- 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. \$0.65.
- 5-A1. *Methods for collection and analysis of water samples for dissolved minerals and gases*, by Eugene Brown, M. W. Skougstad, and M. J. Fishman: USGS--TWRI Book 5, Chapter A1. 1970. 160 pages. \$2.40.
- 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. \$0.80.
- 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. \$0.90.
- 5-A4. *Methods for collection and analysis of aquatic biological and microbiological samples*, by K. V. Slack, R. C. Averett, P. E. Greenson, and R. G. Lipscomb: USGS--TWRI Book 5, Chapter A4. 1973. 165 pages. \$1.95.

PUBLICATIONS ON TECHNIQUES OF WATER-RESOURCES INVESTIGATIONS--Continued

- 5-C1. *Laboratory theory and methods for sediment analysis*, by H. P. Guy: USGS--TWRI Book 5, Chapter C1. 1969. 58 pages. \$0.65.
- 7-C1. *A digital model for aquifer evaluation*, by G. F. Pinder: USGS--TWRI Book 7, Chapter C1. 1970. 18 pages. \$0.65.
- 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. \$0.70.
- 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. \$0.40.

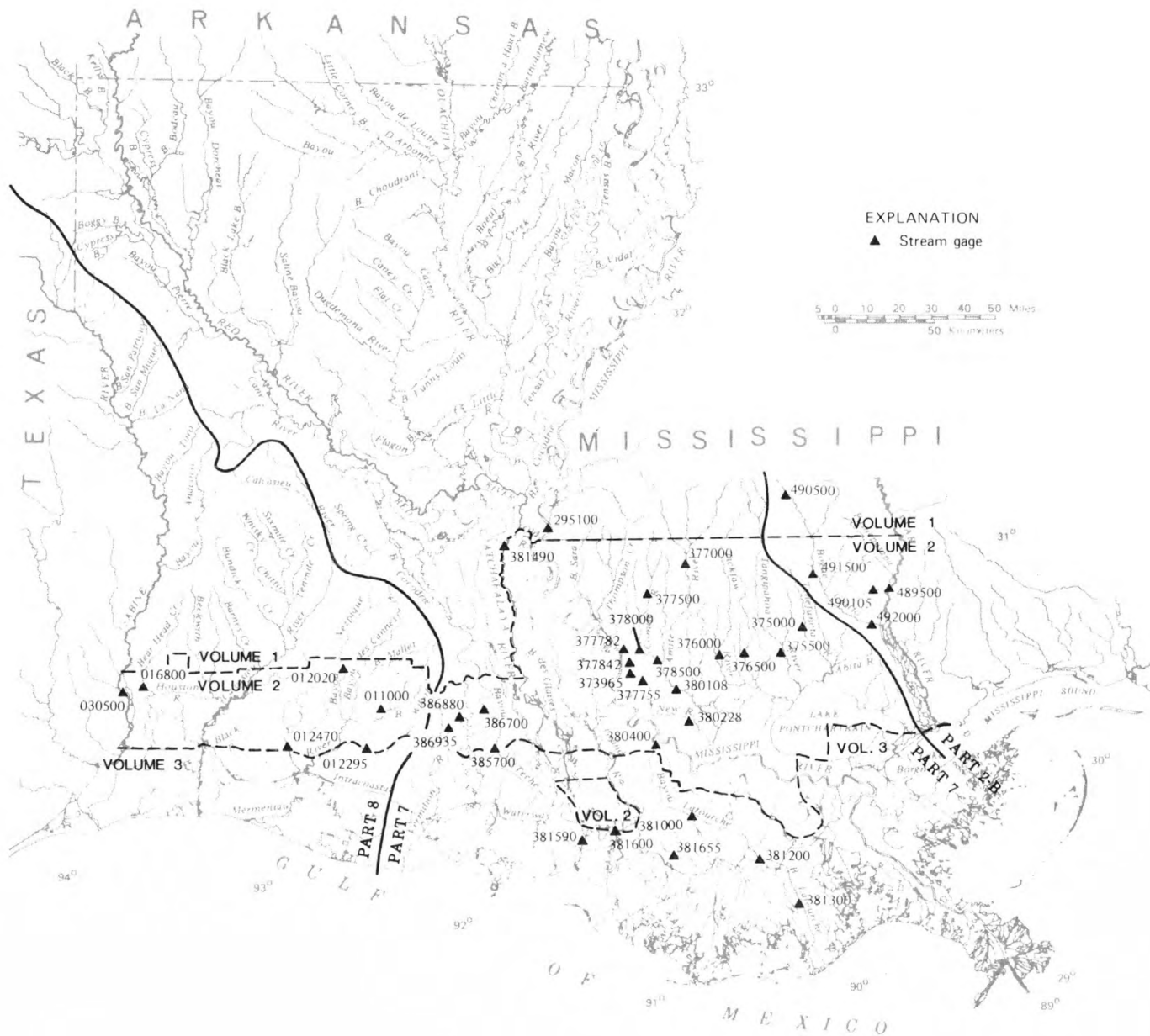


Figure 2. — Location of continuous gaging stations.

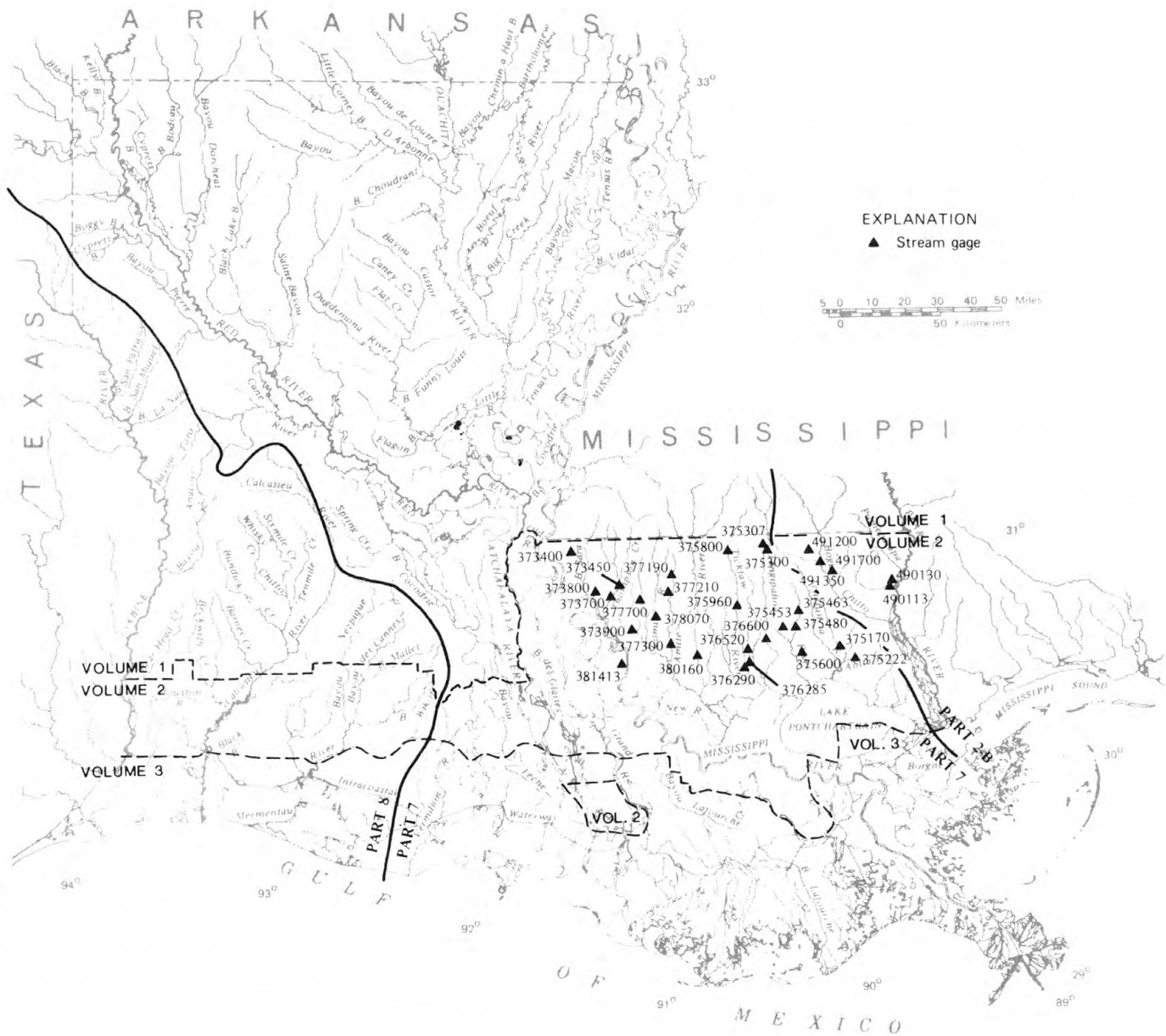


Figure 3. — Location of crest stage stations.



Figure 4. — Location of water-quality stations.

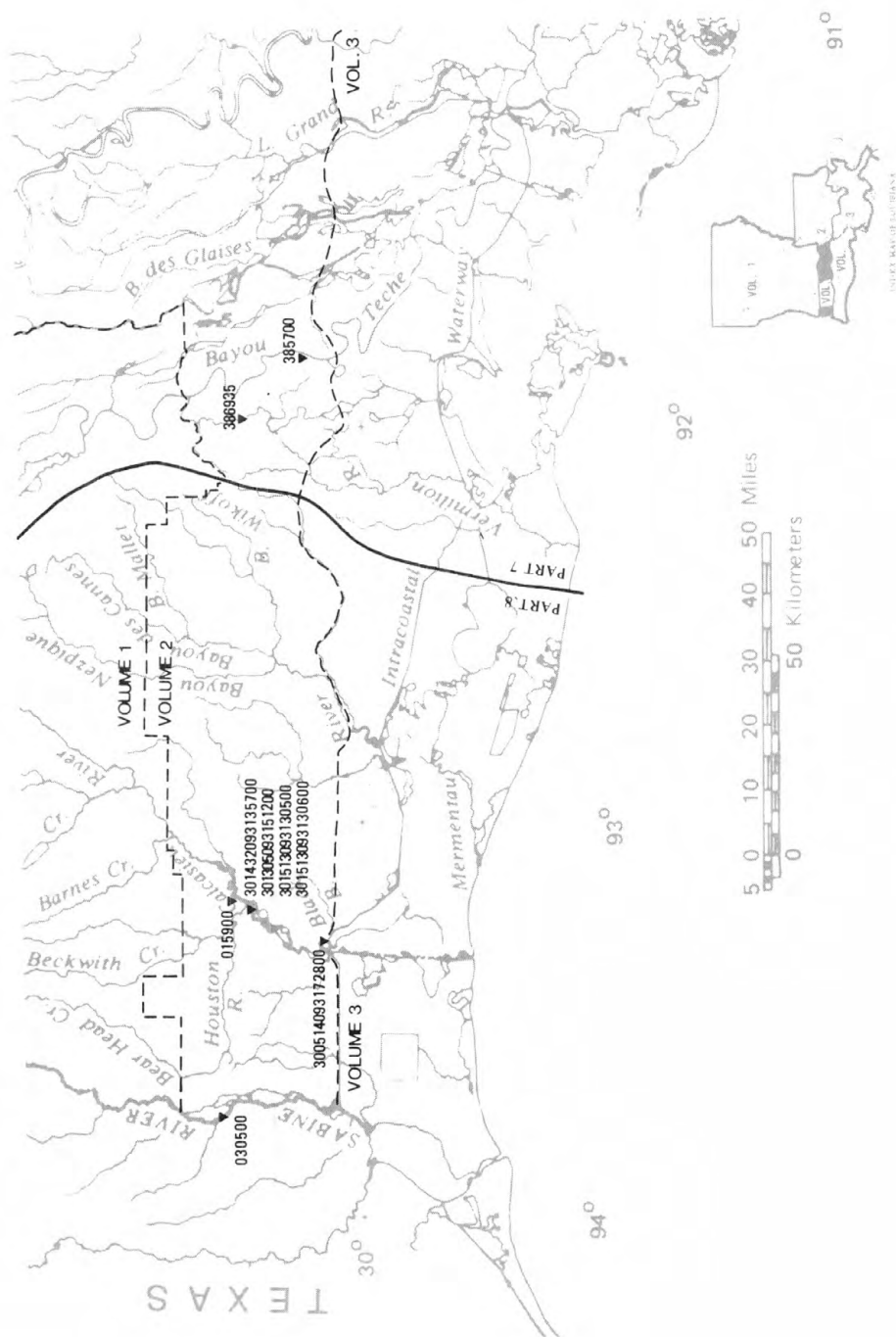


Figure 5. — Location of water-quality stations.

HYDROLOGIC-DATA STATION RECORDS

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA

LOCATION.--Lat 30° 47'35", long 89°49'15", on line between secs. 17 and 18, T.3 S., R.14 E., Washington Parish, 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.

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

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

REMARKS.--Water-discharge records good.

AVERAGE DISCHARGE.--39 years, 9,329 ft³/s (264.1 m³/s), 19.11 in/yr (485 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 99,000 ft³/s (2,800 m³/s) Apr. 17, 1974, gage height, 22.13 ft (6.745 m); minimum, 1,020 ft³/s (28.9 m³/s) Oct. 29 to Nov. 1, 1963; minimum gage height, 4.84 ft (1.475 m) Oct. 30, 31, 1963.

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

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 49,900 ft³/s (1,410 m³/s) Apr. 22, gage height, 20.12 ft (6.133 m); minimum, 1,560 ft³/s (44.2 m³/s) Oct. 6, gage height, 6.64 ft (2.024 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1660	2540	4160	8480	10100	11400	21200	10500	2730	1860	3570	2100
2	1630	2260	3500	8480	8510	12100	18700	10100	2850	1870	4390	2030
3	1610	2090	3420	8820	7910	12700	18100	10200	2700	1920	4570	1920
4	1620	2030	3460	9700	8570	15600	20600	9420	2560	2010	5160	1870
5	1590	1930	3420	10400	9200	22200	24200	8260	2450	1980	5660	1950
6	1560	1910	3530	10300	9260	28900	26700	8160	2380	2030	5690	3260
7	1760	2280	4660	10300	8520	33000	27800	8130	2320	2050	5240	5610
8	2360	2660	6240	10100	7820	36100	29000	7290	2260	1980	4780	5510
9	2220	2730	5470	8960	7080	38200	31800	6670	2210	1960	4580	4500
10	1940	2730	4770	9920	6590	40000	34100	6640	2170	2090	4240	4870
11	1880	2520	4610	13500	6260	40800	36000	6080	2140	2720	4020	5140
12	1850	2380	5060	17000	5980	42900	37900	5480	2120	2960	3740	4870
13	1950	2380	5640	19300	5720	44600	39800	5010	2090	2940	3430	4500
14	2110	2610	5920	23800	5730	44600	41200	4660	2080	3180	3000	4150
15	2170	3010	5840	29600	6730	44000	42500	4430	2070	3620	2580	4040
16	2150	3270	5690	32500	7660	43100	43700	4260	2080	3740	2340	5870
17	2090	3010	5370	33400	7360	42500	45000	4120	2070	3580	2160	6900
18	1990	2890	5030	33200	6700	42900	46300	3960	2070	3060	2160	6780
19	1870	3000	4730	32500	6230	42700	47200	3790	2120	2570	2770	6740
20	1780	3100	4680	32000	6020	42500	48300	3550	2380	2470	3060	6770
21	1720	3100	5030	31000	5840	41900	49400	3320	2600	2590	2820	6400
22	1710	2970	5310	29600	5520	40200	49000	3160	2520	2520	2890	6040
23	1690	2720	5560	28600	5200	38200	45900	3070	2250	2390	3280	5770
24	1650	2440	6000	28000	5410	36500	42700	3000	2090	2370	3150	5110
25	1830	2330	6590	27400	7550	35200	39000	3030	2010	2170	2940	4410
26	1820	2380	8260	26400	10200	34100	38200	3010	1950	2050	2620	3940
27	1830	2690	8780	24600	11500	33200	33600	2930	1890	2080	2370	3660
28	1780	3600	8970	22500	11700	30700	20700	2850	1870	2310	2160	3620
29	1760	5350	9000	18900	---	22400	14500	2760	1870	2790	2090	4110
30	2150	5200	8760	15300	---	18300	11800	2690	1900	2800	2120	4120
31	2610	---	8680	12300	---	20200	---	2680	---	2860	2120	---
TOTAL	58340	84110	176140	626860	210870	1031700	1024900	163210	66800	77520	105700	136560
MEAN	1882	2804	5682	20220	7531	33280	34160	5265	2227	2501	3410	4552
MAX	2610	5350	9000	33400	11700	44600	49400	10500	2850	3740	5690	6900
MIN	1560	1910	3420	8480	5200	11400	11800	2680	1870	1860	2090	1870
CFSM	.28	.42	.86	3.05	1.14	5.02	5.15	.79	.34	.38	.51	.69
IN.	.33	.47	.99	3.52	1.18	5.79	5.75	.92	.37	.43	.59	.77
CAL YR 1976	TOTAL	3455700	MEAN	9442	MAX	56100	MIN	1560	CFSM	1.42	IN	19.39
WTR YR 1977	TOTAL	3762710	MEAN	10310	MAX	49400	MIN	1560	CFSM	1.56	IN	21.11

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.80	8.18	10.40	14.22	15.16	15.68	18.36	15.33	8.45	7.14	9.65	7.54
2	6.75	7.79	9.55	14.22	14.24	15.98	17.96	15.13	8.63	7.15	10.65	7.41
3	6.72	7.52	9.45	14.46	13.80	16.20	17.82	15.22	8.42	7.24	10.86	7.24
4	6.73	7.42	9.50	14.95	14.28	17.14	18.28	14.81	8.21	7.39	11.46	7.15
5	6.68	7.25	9.45	15.30	14.70	18.48	18.67	14.07	8.05	7.34	11.94	7.28
6	6.64	7.22	9.60	15.24	14.73	19.03	18.88	13.99	7.95	7.41	11.96	9.19
7	6.97	7.82	10.95	15.25	14.25	19.29	18.96	13.97	7.87	7.45	11.54	11.88
8	7.93	8.36	12.45	15.14	13.73	19.46	19.04	13.32	7.78	7.34	11.08	11.80
9	7.73	8.46	11.76	14.54	13.15	19.57	19.22	12.81	7.72	7.30	10.87	10.78
10	7.27	8.45	11.07	15.06	12.74	19.66	19.35	12.78	7.65	7.52	10.49	11.17
11	7.17	8.15	10.90	16.48	12.47	19.70	19.45	12.32	7.60	8.44	10.22	11.44
12	7.12	7.95	11.36	17.56	12.23	19.80	19.55	11.77	7.56	8.79	9.88	11.17
13	7.28	7.95	11.92	18.07	11.99	19.88	19.65	11.31	7.52	8.76	9.46	10.78
14	7.55	8.28	12.17	18.64	12.00	19.88	19.72	10.95	7.50	9.10	8.84	10.39
15	7.65	8.85	12.10	19.08	12.86	19.85	19.78	10.70	7.49	9.72	8.24	10.25
16	7.62	9.23	11.96	19.26	13.61	19.81	19.84	10.51	7.50	9.87	7.90	12.09
17	7.52	8.86	11.67	19.31	13.38	19.78	19.90	10.35	7.49	9.67	7.64	13.00
18	7.35	8.68	11.33	19.30	12.83	19.80	19.96	10.15	7.48	8.93	7.64	12.90
19	7.15	8.84	11.03	19.26	12.44	19.79	20.00	9.94	7.57	8.23	8.52	12.87
20	7.00	8.98	10.98	19.23	12.26	19.78	20.05	9.63	7.95	8.09	8.93	12.89
21	6.90	8.98	11.33	19.17	12.10	19.75	20.10	9.30	8.27	8.25	8.59	12.58
22	6.89	8.80	11.61	19.08	11.81	19.67	20.10	9.07	8.15	8.16	8.69	12.28
23	6.85	8.45	11.85	19.01	11.50	19.57	19.94	8.94	7.77	7.97	9.24	12.04
24	6.79	8.04	12.25	18.97	11.71	19.48	19.79	8.84	7.51	7.94	9.05	11.41
25	7.08	7.88	12.74	18.93	13.50	19.41	19.68	8.88	7.38	7.65	8.75	10.68
26	7.07	7.95	14.07	18.85	15.21	19.35	19.57	8.86	7.28	7.45	8.30	10.13
27	7.08	8.40	14.42	18.71	15.75	19.30	19.32	8.74	7.19	7.50	7.94	9.78
28	7.00	9.70	14.55	18.51	15.80	19.15	18.30	8.63	7.15	7.85	7.64	9.73
29	6.96	11.65	14.57	18.00	---	18.50	16.79	8.50	7.15	8.54	7.51	10.34
30	7.62	11.50	14.41	17.05	---	17.87	15.86	8.40	7.20	8.55	7.57	10.35
31	8.29	---	14.35	16.05	---	18.23	---	8.38	---	8.64	7.56	---
MEAN	7.17	8.52	11.80	17.32	13.37	18.99	19.13	11.15	7.71	8.11	9.31	10.62
MAX	8.29	11.65	14.57	19.31	15.80	19.88	20.10	15.33	8.63	9.87	11.96	13.00
MIN	6.64	7.22	9.45	14.22	11.50	15.68	15.86	8.38	7.15	7.14	7.51	7.15

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.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 180 micromhos Sept. 10, 1965; minimum, 25 micromhos Mar. 7, 1977.

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

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, 32,700 tons (29,700 tonnes) May 7, 1967; minimum daily mean, 7 tons (6.35 tonnes) Nov. 11-13, 1970.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 148 micromhos Nov. 11; minimum, 25 micromhos Mar. 7.

pH: Maximum, 8.4 units Oct. 19, 21; minimum, 5.4 Jan. 23, 24.

WATER TEMPERATURES: Maximum, 32.0°C July 25; minimum, 3.5°C Jan. 24, 25.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLAT-INUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL./100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	FECAL STREPTOCOCCI KF AGAR (COL. PER 100 ML)
OCT 15...	1300	2240	99	6.9	20.5	20	15	10.2	3.2	810	843	--
NOV 19...	1100	3000	81	7.0	12.5	30	15	10.2	1.8	<5	220	--
DEC 09...	1400	4980	68	6.8	10.0	40	20	10.6	6.6	650	800	--
JAN 11...	1310	13800	65	6.6	6.5	70	45	10.5	2.3	730	81100	--
FEB 25...	1430	7970	74	6.3	17.5	50	20	9.0	4.6	1700	--	1200
MAR 16...	1355	42800	57	5.7	17.5	60	20	8.5	8.3	320	--	830
APR 06...	1230	26700	56	6.1	19.0	80	45	8.5	--	--	--	841
MAY 06...	1155	8140	71	6.7	23.0	50	15	7.4	.6	840	--	210
JUN 22...	1300	2520	100	7.2	30.0	50	10	8.2	3.4	824	--	190
JUL 12...	1200	2930	71	6.4	26.0	30	25	7.6	2.9	130	--	2000
AUG 09...	0930	4610	68	7.3	29.5	80	30	6.9	4.5	<5	--	1700
SEP 02...	1600	1990	79	6.1	29.0	50	10	7.1	1.0	<5	--	260

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT 15...	13	0	3.7	1.0	13	64	1.5	2.0	21	0	15	9.2
NOV 19...	10	0	3.0	.7	9.6	62	1.3	1.8	17	0	10	6.9
DEC 09...	11	0	2.7	1.0	7.2	54	1.0	1.8	16	0	7.2	7.2
JAN 11...	10	0	2.7	.9	6.7	53	.9	2.0	13	0	9.6	6.4
FEB 25...	13	1	3.7	.9	7.2	49	.9	2.4	15	0	9.3	7.3
MAR 16...	14	9	3.6	1.1	4.1	36	.5	1.9	5	0	12	4.8
APR 06...	12	3	3.0	1.0	4.2	40	.5	1.8	10	0	8.8	3.6
MAY 06...	15	4	3.6	1.5	4.7	37	.5	1.6	14	0	8.2	5.4
JUN 22...	12	0	3.0	1.2	14	67	1.7	1.8	26	0	11	9.1
JUL 12...	12	5	2.8	1.2	9.9	60	1.2	1.8	9	0	7.3	11
AUG 09...	13	0	3.2	1.1	7.0	50	.9	2.2	18	0	7.6	5.9
SEP 02...	15	0	3.8	1.3	7.3	48	.8	1.9	22	0	5.8	7.6

DATE	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHYTO- PLANK- TON (CELLS PER ML)
OCT 15...	.0	9.4	62	64	.08	375	.19	.13	.32	1.4	.07	9400
NOV 19...	.0	10	48	50	.07	389	.15	--	--	--	.09	1800
DEC 09...	.1	9.2	58	44	.08	780	.17	.61	.78	3.5	.09	180
JAN 11...	.1	8.0	--	43	.06	1600	--	--	--	--	--	2100
FEB 25...	.0	8.5	48	46	.07	1030	.23	1.3	1.5	6.8	.11	2700
MAR 16...	.0	6.7	72	37	.10	8320	.10	.68	.78	3.5	.08	--
APR 06...	.0	6.8	54	34	.07	3890	.19	1.1	1.3	5.7	.14	--
MAY 06...	.0	8.6	47	41	.06	1030	.19	.65	.84	3.7	.07	3300
JUN 22...	.0	5.1	56	58	.08	381	.01	.54	.55	2.4	.06	--
JUL 12...	.1	8.8	58	48	.08	459	.32	.75	1.1	4.7	.07	--
AUG 09...	.1	7.6	46	44	.06	573	.36	.77	1.1	5.0	.13	--
SEP 02...	.1	11	48	50	.07	258	.35	.49	.84	3.7	.08	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
OCT 15...	1	0	0	0	10	0	1	0	--	11	870	120
JAN 11...	2	1	0	0	<10	3	--	--	4	4	4300	280
APR 06...	2	0	0	0	10	0	2	0	8	8	3300	130
JUL 12...	2	0	0	0	<10	1	0	0	2	2	1200	110

DATE	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT 15...	5	3	130	40	.3	.0	0	0	40	40	1.6
JAN 11...	2	2	300	80	.0	.0	0	0	20	10	8.1
APR 06...	8	0	130	30	.0	.0	0	0	20	20	6.8
JUL 12...	3	3	150	60	.1	.0	0	0	10	10	5.4

MISCELLANEOUS OBSERVATIONS

DATE	TIME	AIR TEMPER- ATURE (DEG C)	WATER TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	DATE	TIME	AIR TEMPER- ATURE (DEG C)	WATER TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
NOV. 8, 1976...	1245	16.5	13.0	12.8	AUG. 2.....	1500	38.0	28.5	7.8
MAR. 2.....	1115	21.0	13.5	9.0	SEPT. 2.....	1140	30.0	27.5	7.8
MAY 5.....	1515	34.5	22.5	8.0	SEPT. 27.....	1120	28.0	27.5	8.0

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)+ WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	87	84	110	99	96	80	69	62	72	71	58	50
2	85	83	98	90	96	86	69	66	86	74	53	48
3	85	83	94	91	86	75	68	66	77	73	58	49
4	87	85	96	95	78	74	72	66	89	78	50	44
5	89	86	99	96	80	77	66	64	82	72	43	36
6	94	89	103	98	76	73	67	64	74	72	34	26
7	99	92	103	95	91	77	67	66	73	68	28	25
8	104	98	99	96	99	68	76	69	77	73	29	26
9	106	95	123	100	70	68	76	73	81	78	32	29
10	93	83	135	122	79	67	78	71	83	79	37	33
11	97	92	148	138	72	68	71	62	91	82	41	37
12	92	81	141	90	83	66	62	50	91	89	45	41
13	88	82	88	76	75	61	56	52	91	82	51	44
14	93	88	77	70	73	63	66	56	90	87	53	50
15	101	93	72	69	69	67	62	50	89	85	53	52
16	105	102	87	70	70	68	51	48	93	84	53	51
17	108	102	80	69	69	65	52	48	93	82	53	51
18	101	95	84	79	65	64	58	52	97	86	55	48
19	108	97	90	83	70	65	62	58	88	82	53	46
20	109	105	90	84	77	71	63	61	89	81	48	43
21	105	103	93	82	100	75	64	62	82	76	45	40
22	103	96	117	96	89	79	64	62	88	74	57	54
23	95	89	115	88	79	73	62	60	92	84	56	53
24	90	87	88	84	74	69	61	56	89	80	55	51
25	88	85	88	87	70	65	56	52	87	73	51	49
26	90	85	92	88	79	65	61	54	80	52	54	49
27	98	91	89	86	71	59	63	60	64	49	59	53
28	96	94	86	85	57	54	71	63	59	50	62	58
29	96	86	114	80	54	51	75	73	---	---	63	60
30	87	85	86	76	73	52	74	70	---	---	64	62
31	100	87	---	---	73	68	72	71	---	---	64	56
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	56	52	72	59	79	75	86	81	82	73	81	74
2	66	56	62	57	87	77	88	81	77	65	76	71
3	72	44	61	56	88	83	87	81	91	76	75	72
4	49	41	60	51	89	85	85	82	88	58	76	74
5	58	50	62	50	87	82	83	80	67	56	76	72
6	59	55	70	56	91	87	85	81	66	59	72	54
7	58	49	79	65	94	88	85	83	64	60	69	49
8	50	36	63	59	90	83	83	79	65	58	51	45
9	41	39	59	57	84	81	81	72	65	63	57	52
10	44	43	57	52	85	80	72	62	73	64	81	57
11	45	43	65	56	87	82	79	63	72	68	82	65
12	46	45	85	65	86	82	80	66	70	67	86	71
13	48	46	80	69	85	83	77	70	76	69	72	63
14	50	48	68	66	85	81	88	73	77	71	78	71
15	50	44	79	65	86	82	98	86	75	72	79	72
16	45	43	78	67	84	81	96	82	74	71	76	65
17	46	44	75	73	83	80	81	75	73	71	77	61
18	48	46	74	72	81	78	73	66	71	65	79	75
19	51	49	77	71	80	77	71	65	70	64	78	72
20	55	52	78	75	83	79	75	72	64	51	83	70
21	55	53	77	75	100	82	82	72	57	52	70	68
22	53	44	77	74	100	93	84	80	60	56	72	68
23	44	38	78	75	96	91	83	80	70	58	73	70
24	37	36	77	74	100	95	81	78	75	70	73	72
25	43	37	80	75	94	84	80	78	78	74	72	70
26	49	42	79	76	84	80	80	74	77	71	75	71
27	53	48	79	76	84	81	80	76	83	76	84	75
28	60	52	78	75	86	83	82	78	87	83	85	82
29	65	59	77	73	87	83	79	72	89	86	86	76
30	68	58	79	75	86	84	71	63	88	79	99	78
31	---	---	80	75	---	---	74	66	82	77	---	---

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

PH (UNITS), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	7.3	6.7	6.6	6.6	6.6	6.4	6.7	6.6	6.1	6.0	6.5	6.4
2	6.7	6.6	6.6	6.5	6.7	6.6	6.6	6.5	6.1	6.1	6.5	6.3
3	6.7	6.6	6.6	6.6	6.6	6.5	6.5	6.5	6.2	6.1	6.5	6.3
4	6.7	6.6	6.6	6.6	6.6	6.5	6.5	6.4	6.3	6.2	6.5	6.1
5	6.7	6.6	6.7	6.6	6.7	6.6	6.4	6.4	6.3	6.3	6.0	5.8
6	6.7	6.6	6.7	6.6	6.6	6.6	6.5	6.4	6.4	6.3	5.9	5.8
7	7.1	6.8	6.8	6.7	6.7	6.6	6.4	6.4	6.3	6.2	5.8	5.7
8	7.4	7.1	6.8	6.7	6.7	6.5	6.4	6.2	6.3	6.3	5.9	5.8
9	7.5	7.2	6.9	6.8	6.6	6.5	6.5	6.4	6.3	6.3	5.8	5.8
10	7.3	7.0	6.9	6.9	6.6	6.5	6.5	6.4	6.3	6.3	5.8	5.7
11	7.9	7.1	6.9	6.9	6.6	6.5	6.4	6.3	6.4	6.3	5.8	5.7
12	7.4	6.7	6.9	6.7	6.5	6.5	6.2	5.9	6.4	6.3	5.8	5.7
13	6.7	6.6	6.7	6.6	6.5	6.5	6.1	5.9	6.4	6.3	5.7	5.6
14	6.8	6.7	6.6	6.5	6.6	6.5	6.1	6.0	6.4	6.3	5.7	5.6
15	7.9	6.9	6.5	6.4	6.6	6.6	6.0	5.8	6.5	6.3	5.7	5.6
16	7.7	7.2	6.5	6.4	6.6	6.6	5.8	5.7	6.5	6.4	5.7	5.6
17	7.5	7.2	6.5	6.4	6.6	6.6	5.6	5.6	6.4	6.4	5.7	5.6
18	7.6	7.2	6.6	6.5	6.6	6.6	5.6	5.6	6.4	6.4	5.7	5.6
19	8.4	7.3	6.6	6.6	6.6	6.6	5.6	5.6	6.4	6.4	5.6	5.6
20	8.2	7.2	6.7	6.6	6.7	6.6	5.7	5.5	6.4	6.4	5.6	5.6
21	8.4	7.3	6.7	6.6	6.8	6.7	5.7	5.6	6.4	6.4	5.7	5.6
22	8.3	7.4	6.8	6.7	6.8	6.7	5.6	5.5	6.4	6.3	5.8	5.6
23	7.5	7.1	6.8	6.7	6.7	6.7	5.5	5.4	6.5	6.4	5.8	5.7
24	7.1	6.9	6.7	6.6	6.8	6.7	5.6	5.4	6.5	6.5	5.8	5.8
25	6.9	6.8	6.6	6.6	6.7	6.6	5.8	5.6	6.5	6.4	5.9	5.8
26	6.9	6.8	6.6	6.5	6.6	6.6	5.8	5.7	6.5	6.2	5.9	5.9
27	7.0	6.7	6.6	6.5	6.6	6.5	5.9	5.8	6.2	6.1	5.9	5.9
28	6.9	6.8	6.6	6.5	6.5	6.5	5.9	5.9	6.4	6.2	6.0	5.9
29	6.8	6.7	6.5	6.4	6.5	6.4	6.0	5.9	---	---	6.0	5.9
30	6.7	6.5	6.4	6.4	6.7	6.4	6.0	5.9	---	---	6.1	5.9
31	6.6	6.5	---	---	6.7	6.6	6.0	5.9	---	---	6.1	6.0
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	6.0	5.9	6.2	6.1	6.7	6.6	6.7	6.5	6.7	6.6	6.7	6.7
2	6.1	6.0	6.2	6.2	6.7	6.6	6.7	6.5	6.7	6.5	6.7	6.7
3	6.3	6.1	6.2	6.2	6.7	6.6	6.7	6.5	6.7	6.6	6.8	6.7
4	6.1	6.0	6.2	6.1	6.7	6.6	6.7	6.5	6.7	6.6	6.8	6.7
5	6.2	6.0	6.1	6.1	6.8	6.6	6.6	6.5	6.7	6.6	6.8	6.7
6	6.1	6.0	6.3	6.1	6.7	6.6	6.7	6.5	6.7	6.6	6.8	6.4
7	6.0	5.9	6.4	6.3	6.8	6.6	6.6	6.5	6.7	6.6	6.4	6.2
8	6.0	5.9	6.4	6.3	6.9	6.7	6.5	6.4	6.6	6.6	6.2	6.1
9	6.0	6.0	6.3	6.3	6.8	6.7	6.4	6.4	6.7	6.6	6.4	6.2
10	6.0	6.0	6.3	6.2	6.8	6.7	6.4	6.4	6.7	6.7	6.6	6.4
11	6.0	5.9	6.4	6.3	6.8	6.6	6.4	6.3	6.7	6.7	6.6	6.5
12	6.0	5.9	6.5	6.4	6.8	6.7	6.4	6.2	6.7	6.7	6.7	6.6
13	5.9	5.9	6.5	6.4	6.7	6.6	6.3	6.2	6.7	6.7	6.5	6.4
14	5.9	5.9	6.5	6.4	6.8	6.6	6.5	6.3	6.7	6.7	6.6	6.5
15	5.9	5.9	6.6	6.5	6.8	6.6	6.6	6.0	6.7	6.6	6.6	6.5
16	5.9	5.9	6.6	6.5	6.8	6.6	6.6	6.5	6.7	6.6	6.6	6.4
17	5.9	5.9	6.6	6.5	6.8	6.6	6.5	6.4	6.7	6.6	6.5	6.4
18	5.9	5.9	6.7	6.6	6.8	6.6	6.4	6.3	6.7	6.6	6.6	6.5
19	5.9	5.9	6.7	6.6	6.8	6.6	6.4	6.3	6.7	6.6	6.7	6.6
20	5.9	5.8	6.7	6.6	6.9	6.7	6.4	6.3	6.7	6.4	6.8	6.7
21	5.9	5.9	6.6	6.6	7.1	6.7	6.5	6.4	6.5	6.4	6.7	6.7
22	5.9	5.8	6.6	6.5	7.0	6.8	6.5	6.4	6.6	6.5	6.8	6.7
23	5.8	5.8	6.5	6.4	6.8	6.7	6.5	6.4	6.8	6.6	6.8	6.8
24	5.8	5.8	6.5	6.4	6.8	6.7	6.5	6.4	6.8	6.7	6.8	6.8
25	5.9	5.8	6.6	6.4	6.7	6.6	6.6	6.5	6.8	6.7	6.8	6.7
26	5.9	5.9	6.5	6.5	6.7	6.5	6.7	6.5	6.7	6.7	6.7	6.7
27	5.9	5.9	6.5	6.4	6.7	6.5	6.7	6.6	6.7	6.7	6.8	6.7
28	6.0	5.9	6.4	6.4	6.7	6.5	6.7	6.6	6.7	6.7	6.8	6.7
29	6.1	6.0	6.4	6.4	6.7	6.5	6.7	6.7	6.7	6.7	6.8	6.6
30	6.2	6.1	6.4	6.4	6.5	6.5	6.6	6.5	6.7	6.7	6.7	6.5
31	---	---	6.6	6.4	---	---	6.6	6.5	6.7	6.7	---	---

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	24.5	23.5	15.5	14.5	9.0	8.0	8.5	7.0	5.0	5.0	14.0	13.5
2	24.0	23.0	15.0	14.0	9.0	8.0	7.0	6.5	5.5	4.5	13.5	13.0
3	24.5	23.5	15.0	14.0	9.0	8.0	6.0	6.0	6.0	5.5	14.0	13.0
4	24.5	23.5	15.0	14.0	9.5	8.0	6.5	6.0	7.0	6.0	14.0	13.5
5	24.0	23.5	14.5	13.5	9.5	8.5	7.0	6.5	7.5	6.5	13.5	12.5
6	24.0	22.5	14.0	12.5	9.5	9.0	7.0	7.0	7.5	6.5	12.5	12.0
7	22.5	21.0	14.0	12.5	10.0	9.5	7.5	7.0	7.5	7.0	12.5	11.5
8	21.0	19.5	13.5	12.5	9.5	9.0	7.0	7.0	7.5	7.0	12.0	11.5
9	19.5	18.0	13.0	11.5	9.5	8.5	8.0	7.0	8.0	7.0	12.0	12.0
10	19.0	17.5	13.5	12.0	9.5	9.0	8.0	7.0	8.5	7.5	13.0	12.0
11	19.5	18.0	14.5	13.0	10.5	9.5	7.0	6.5	10.0	8.0	14.0	13.0
12	20.0	18.5	14.0	13.0	11.5	10.5	7.5	6.5	10.5	10.0	14.5	14.0
13	20.0	18.5	13.0	12.0	11.5	11.0	7.0	6.5	11.5	10.5	15.0	14.0
14	20.5	19.0	12.0	11.0	11.0	11.0	7.0	6.5	12.0	11.0	15.5	14.5
15	20.5	19.5	11.0	10.5	11.0	11.0	7.0	6.5	11.5	10.5	16.0	15.5
16	20.5	19.5	11.0	10.5	11.5	10.5	7.0	6.5	10.5	10.0	16.5	16.0
17	19.5	18.5	11.5	10.5	11.5	10.5	6.5	5.5	10.5	9.5	16.5	16.5
18	19.0	17.5	12.0	11.0	11.0	10.5	5.5	4.5	11.0	10.0	17.5	16.5
19	19.0	18.0	12.5	12.0	11.5	11.0	4.5	4.0	12.0	11.0	18.0	17.0
20	19.0	17.5	13.0	12.5	12.0	11.0	4.5	4.0	12.0	11.0	18.0	17.5
21	17.5	16.5	13.5	13.0	10.5	9.5	4.5	4.0	12.0	10.5	18.0	17.5
22	17.0	16.0	13.0	12.0	9.5	9.0	4.0	4.0	12.0	11.0	18.0	17.0
23	17.5	16.0	12.0	11.0	8.5	8.0	4.0	4.0	13.5	12.0	17.0	16.5
24	18.5	17.5	11.5	10.5	8.0	7.5	4.0	3.5	14.0	13.5	16.5	15.5
25	19.0	18.5	12.0	10.5	9.0	8.0	4.0	3.5	14.5	13.5	16.0	15.5
26	18.5	18.0	13.0	12.0	9.5	9.0	4.5	4.0	15.5	14.0	16.0	16.0
27	18.0	16.5	14.0	13.0	9.5	8.5	5.5	4.5	15.5	14.5	16.5	16.0
28	16.5	15.5	14.0	12.5	10.0	9.0	6.5	5.5	14.5	14.0	17.5	16.5
29	15.5	15.0	12.0	10.0	10.0	9.0	6.5	6.0	---	---	18.0	17.0
30	16.5	15.0	10.0	8.5	10.0	9.0	6.0	5.5	---	---	19.0	18.0
31	16.0	15.0	---	---	10.0	8.5	5.5	4.5	---	---	19.0	18.5
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	18.5	18.0	22.0	21.5	29.5	28.0	29.5	29.0	30.0	29.0	28.5	27.0
2	19.5	18.5	21.5	21.5	29.0	27.5	30.5	29.0	29.0	28.5	29.0	27.5
3	20.0	19.0	22.0	21.0	29.5	28.0	30.5	28.5	29.0	28.0	28.5	28.0
4	19.5	19.0	23.0	21.5	29.5	28.5	30.5	29.5	28.5	28.0	28.5	27.5
5	19.0	18.5	23.5	22.5	30.0	28.5	30.5	29.5	28.0	27.5	28.0	27.0
6	19.0	18.0	24.5	23.0	30.0	28.5	30.5	29.0	29.0	27.5	26.5	25.5
7	18.5	18.0	25.0	24.0	29.5	28.5	30.5	29.5	29.5	28.0	26.0	25.0
8	18.5	18.5	25.5	24.5	28.5	27.0	30.5	29.5	30.0	28.5	26.5	25.5
9	19.0	18.5	25.5	24.5	28.5	27.0	30.0	28.5	30.0	29.0	26.5	26.0
10	19.0	18.5	25.0	24.0	29.0	27.5	29.0	27.5	30.0	29.0	26.0	25.5
11	19.0	18.5	24.0	23.0	30.0	28.0	28.0	27.0	29.0	28.5	26.5	25.5
12	19.5	18.5	24.0	23.5	30.0	28.5	27.0	26.0	28.5	28.0	26.5	26.0
13	19.5	19.0	24.0	23.0	29.5	29.0	28.0	26.0	29.5	27.5	26.0	25.5
14	20.0	19.0	24.5	23.5	29.0	28.5	29.0	27.5	30.0	28.5	26.0	25.5
15	20.0	19.5	25.0	23.5	29.5	28.0	29.5	28.0	30.0	29.0	26.0	25.0
16	20.5	19.5	25.5	24.0	29.5	28.0	29.0	28.0	30.5	29.0	25.0	24.5
17	20.5	20.0	25.5	24.5	30.0	28.5	29.5	27.5	31.0	29.5	26.0	24.5
18	20.5	20.0	26.0	24.5	30.0	29.0	30.0	28.5	30.0	28.5	27.0	25.5
19	20.5	20.0	26.0	24.5	30.0	29.0	29.5	28.5	29.0	28.0	27.0	26.5
20	20.5	20.5	26.0	25.0	29.5	28.5	29.5	28.5	28.0	27.5	27.0	26.0
21	20.5	19.5	26.0	25.0	30.5	29.0	30.0	28.5	28.0	27.5	27.5	26.5
22	20.0	19.5	26.5	25.0	31.0	29.5	30.5	29.0	28.0	27.0	27.5	26.5
23	20.0	19.5	26.5	25.0	31.0	29.5	31.5	29.5	28.0	27.5	27.5	26.5
24	20.0	19.5	26.5	25.0	31.0	29.5	31.5	30.0	28.0	27.5	27.5	26.5
25	20.0	19.5	26.5	25.0	31.0	30.0	32.0	30.5	28.5	27.5	27.5	27.0
26	20.0	19.5	27.5	26.0	31.0	29.5	31.0	30.0	29.0	28.0	28.0	27.0
27	20.0	19.0	27.5	26.0	31.0	29.5	30.5	29.5	29.0	28.0	28.0	27.0
28	20.0	19.0	28.0	26.5	30.5	29.5	30.5	29.0	28.5	27.5	28.0	27.5
29	21.0	19.5	28.5	27.0	30.5	29.5	30.0	29.0	28.0	27.0	27.5	26.5
30	22.0	20.5	29.5	28.0	29.5	28.5	29.5	28.0	28.0	27.0	27.5	26.0
31	---	---	29.5	28.5	---	---	29.5	28.5	28.0	27.0	---	---

PEARL RIVER BASIN

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

DISSOLVED OXYGEN (DO), MG/L, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		
1	8.5	6.7	---	---	12.9	12.2	11.8	10.9	10.8	10.5	8.8	8.4
2	6.8	6.4	---	---	12.7	11.4	11.9	11.6	11.4	10.6	9.4	8.6
3	7.0	6.4	---	---	11.9	11.3	12.3	12.0	11.0	10.6	9.3	8.6
4	7.4	6.8	---	---	11.8	11.2	12.4	12.1	11.0	10.6	9.8	8.9
5	7.3	6.9	---	---	11.6	11.1	12.4	11.8	11.0	10.7	9.5	9.2
6	7.5	6.9	---	---	11.4	10.9	12.1	11.6	11.2	9.9	9.9	9.2
7	8.5	7.6	---	---	11.1	10.1	11.9	11.5	10.3	9.9	9.8	9.2
8	9.2	8.0	---	---	10.6	10.1	11.6	11.2	10.3	10.0	9.5	9.0
9	9.9	8.7	10.6	9.8	10.8	10.1	11.4	10.9	10.3	9.8	9.4	9.2
10	9.9	8.9	10.7	10.0	11.0	10.6	11.3	10.9	10.1	9.6	9.4	9.0
11	10.1	8.7	10.6	9.2	10.8	10.2	11.3	10.9	10.1	9.7	9.3	8.8
12	9.8	8.4	10.2	9.2	10.3	9.7	11.3	10.8	10.0	9.0	9.2	8.9
13	8.7	8.1	11.3	10.0	10.0	9.4	11.2	10.9	9.2	8.2	9.0	8.7
14	9.5	8.8	11.2	10.2	9.8	9.5	11.5	11.2	8.9	8.6	9.0	8.6
15	10.8	8.8	11.3	10.9	9.7	9.4	11.4	11.2	9.1	8.8	9.0	8.6
16	10.0	8.8	11.5	11.0	9.6	9.2	11.2	11.0	9.4	9.2	8.6	8.3
17	9.8	8.7	11.5	10.8	9.4	9.1	11.3	10.9	9.5	9.1	8.3	7.7
18	10.1	9.4	11.3	10.7	9.3	8.9	11.5	11.1	9.4	8.5	8.3	7.9
19	11.7	9.6	11.0	10.7	9.2	8.8	11.8	11.4	8.9	8.2	8.2	7.8
20	11.8	10.0	11.0	10.0	8.9	8.4	11.8	11.5	8.8	8.5	8.2	7.8
21	12.6	11.0	10.5	10.1	9.0	8.3	11.9	11.5	9.8	8.8	8.0	6.6
22	12.9	11.8	10.5	9.8	10.1	8.8	12.4	11.8	10.1	9.6	7.5	6.7
23	12.4	10.6	10.3	9.9	10.7	9.4	12.5	12.2	9.7	8.6	8.1	7.5
24	11.3	9.1	10.8	10.1	10.9	9.9	12.5	12.2	9.0	8.2	8.4	8.0
25	9.6	8.4	11.7	10.2	10.6	10.1	12.4	12.1	9.2	8.4	8.6	8.3
26	9.2	8.7	10.9	10.1	10.6	10.0	12.2	11.9	9.2	8.4	8.8	8.5
27	---	---	10.6	10.1	10.7	10.4	12.0	11.7	8.9	8.1	8.9	8.4
28	---	---	10.8	10.0	10.9	10.4	11.7	11.2	8.7	8.0	8.8	8.2
29	---	---	11.1	10.4	10.8	10.5	11.3	10.9	---	---	8.5	8.2
30	---	---	12.6	11.2	11.0	10.1	11.1	10.7	---	---	9.0	8.5
31	---	---	---	---	10.8	10.4	11.8	10.9	---	---	9.3	8.9

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
1	9.3	8.8	8.4	8.0	4.7	3.9	---	---	7.6	6.8	8.3	7.9
2	9.0	8.2	8.6	8.0	8.4	4.6	---	---	7.1	6.2	8.3	6.9
3	9.3	8.5	8.4	8.0	7.6	6.8	---	---	6.8	6.1	7.9	7.1
4	9.2	8.1	9.0	7.8	7.2	6.5	---	---	7.1	6.1	8.2	7.2
5	8.4	8.0	9.4	8.2	8.9	7.1	---	---	7.1	5.8	8.0	7.5
6	8.7	8.3	9.4	8.0	8.1	7.0	---	---	6.7	5.9	8.3	7.2
7	8.5	7.8	9.4	8.3	7.2	6.2	---	---	7.2	4.7	7.9	6.5
8	8.1	7.7	8.7	7.7	6.3	5.3	---	---	5.7	4.2	6.7	5.7
9	8.2	7.7	8.2	7.5	5.4	4.8	---	---	6.8	4.6	6.1	5.5
10	8.3	7.9	8.1	7.3	4.9	4.1	---	---	5.5	4.5	6.7	5.9
11	8.3	7.8	8.9	7.7	4.3	3.6	---	---	6.2	5.2	7.1	6.6
12	8.3	7.6	9.0	8.4	5.2	3.8	---	---	6.5	5.8	8.1	7.5
13	8.5	7.4	9.2	8.2	4.6	3.9	---	---	6.2	5.3	7.8	7.4
14	8.1	7.7	8.9	8.3	4.6	3.8	---	---	5.7	4.5	7.8	7.3
15	8.0	7.6	9.1	8.2	4.8	4.2	8.0	7.5	5.9	4.6	7.6	7.0
16	7.8	7.5	9.3	8.2	4.8	4.2	7.9	7.3	6.2	5.6	8.0	7.3
17	7.7	7.3	9.0	8.2	5.1	4.5	7.7	7.1	7.1	6.2	8.2	7.7
18	7.6	7.3	8.6	7.7	6.1	4.4	7.5	7.0	6.8	6.0	8.7	7.8
19	7.5	7.1	8.1	7.1	6.7	6.0	7.2	6.8	7.5	6.4	8.6	8.2
20	7.3	6.5	7.2	5.9	7.7	6.1	7.2	6.8	7.5	6.6	8.5	7.8
21	7.8	6.8	5.8	4.6	8.2	7.2	7.7	6.8	6.8	6.0	8.4	7.6
22	7.9	7.4	4.7	4.0	7.5	6.8	7.9	7.3	7.7	6.1	8.1	7.1
23	7.9	7.5	4.0	3.4	7.8	6.5	7.4	5.8	8.2	7.7	7.7	6.5
24	7.9	7.2	3.4	3.0	7.3	6.6	7.9	7.2	8.5	7.7	7.3	6.9
25	7.9	7.4	5.2	2.9	7.1	6.3	7.9	7.0	8.6	7.8	7.7	7.2
26	8.1	7.8	7.0	5.5	7.5	6.6	7.3	6.6	8.7	8.0	7.9	7.2
27	8.1	7.3	6.9	6.1	7.6	6.8	7.8	6.9	9.4	8.6	7.9	7.3
28	7.6	7.0	6.1	4.4	7.5	6.8	8.0	7.3	9.5	8.4	7.9	7.6
29	8.1	7.4	4.4	3.8	7.8	7.0	8.5	7.7	9.0	8.3	8.2	7.6
30	8.3	7.9	4.2	3.6	---	---	8.5	7.7	8.9	7.9	8.3	7.7
31	---	---	4.3	3.8	---	---	7.8	7.3	8.5	8.0	---	---

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

SUSPENDED-SEDIMENT, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)
OCTOBER			NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	---	---	56	384	---	---	---	---	118	3220	227	6990
2	---	---	46	281	---	---	---	---	96	2210	170	5550
3	---	---	48	271	---	---	---	---	99	2110	164	5620
4	27	118	54	296	---	---	---	---	99	2290	172	7240
5	30	129	52	271	---	---	162	4550	126	3130	233	14000
6	32	135	43	222	---	---	138	3840	107	2680	219	17100
7	34	162	34	209	---	---	111	3090	95	2190	190	16900
8	51	325	69	496	---	---	100	2730	79	1670	168	16400
9	53	318	97	715	49	724	123	2980	57	1090	148	15300
10	41	215	78	575	48	618	292	7820	49	872	122	13200
11	38	193	---	---	46	573	460	16800	42	710	109	12000
12	36	180	---	---	57	779	495	22700	43	694	106	12300
13	30	158	---	---	54	822	396	20600	47	726	92	11100
14	25	142	31	218	50	799	284	18200	45	696	86	10400
15	44	258	33	268	50	788	258	20600	99	1800	99	11800
16	50	290	50	441	52	799	246	21600	137	2830	99	11500
17	35	198	67	545	50	725	231	20800	124	2460	95	10900
18	23	124	60	468	48	652	215	19300	102	1850	---	---
19	25	126	44	356	46	587	185	16200	80	1350	---	---
20	40	192	48	402	46	581	158	13700	71	1150	---	---
21	51	237	59	494	80	1090	158	13200	63	993	104	11800
22	56	259	---	---	76	1090	141	11300	57	850	96	10400
23	60	274	---	---	74	1110	139	10700	53	744	86	8870
24	---	---	---	---	80	1300	146	11000	104	1520	79	7790
25	---	---	---	---	100	1780	145	10700	128	2610	74	7030
26	---	---	---	---	148	3300	129	9200	195	5370	80	7370
27	54	267	---	---	159	3770	131	8700	344	10700	76	6810
28	54	260	---	---	126	3050	134	8140	300	9480	98	8120
29	54	257	---	---	---	---	144	7350	---	---	117	7080
30	88	511	---	---	---	---	150	6200	---	---	132	6520
31	73	514	---	---	---	---	146	4850	---	---	126	6870
DAY	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)	MEAN CONCEN- TRATION (MG/L)	LOADS (T/DAY)
APRIL			MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	129	7380	---	---	---	---	24	121	59	569	41	232
2	135	6820	---	---	---	---	28	141	67	794	32	175
3	123	6010	---	---	---	---	36	187	67	827	26	135
4	138	7680	---	---	---	---	36	195	82	1140	23	116
5	152	9930	60	1340	---	---	35	187	94	1440	32	168
6	136	9800	67	1480	---	---	30	164	83	1280	103	907
7	98	7360	74	1620	---	---	28	155	77	1090	124	1880
8	134	10500	73	1440	---	---	29	155	73	942	94	1400
9	120	10300	69	1240	---	---	29	153	73	903	73	887
10	105	9670	78	1400	---	---	34	192	64	733	70	920
11	91	8850	84	1380	---	---	56	411	53	575	60	833
12	85	8700	75	1110	---	---	46	368	50	505	61	802
13	82	8810	73	987	---	---	44	349	46	426	60	729
14	80	8900	72	906	---	---	40	343	40	324	55	616
15	---	---	58	694	---	---	41	401	39	272	55	600
16	---	---	51	587	---	---	38	384	46	291	72	1140
17	---	---	57	634	---	---	37	358	48	280	94	1750
18	---	---	62	663	---	---	35	289	51	297	93	1700
19	---	---	51	522	---	---	31	215	58	434	88	1600
20	---	---	41	393	---	---	31	207	56	463	86	1570
21	---	---	38	341	---	---	28	196	52	396	87	1500
22	---	---	39	333	---	---	26	177	43	336	81	1320
23	---	---	38	315	---	---	31	200	44	390	80	1250
24	---	---	37	300	34	192	30	192	41	349	66	911
25	---	---	34	278	34	185	29	170	38	302	51	607
26	---	---	32	260	35	184	30	166	40	283	57	606
27	---	---	36	285	33	168	29	163	38	243	53	524
28	---	---	39	300	31	157	30	187	35	204	54	528
29	---	---	---	---	28	141	35	264	35	198	74	821
30	---	---	---	---	26	133	34	257	40	229	78	868
31	---	---	---	---	---	---	37	286	43	246	---	---

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

OCT. 15, 1976 1300 HOURS

PHYTOPLANKTON 9,400 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OCCYSTACEAE		
....KIRCHNERIELLA	280	3
....TETRAEDRON	190	2
....WESTELLA	1,000	11
...SCENEDESMACEAE		
....ACTINASTRUM	1,400	15
...SCENEDESMUS		0
..ZYGEMNATALES		
...DESMIDIACEAE		
....COSMARIUM	95	1
....STAUSTRUM	95	1
CYANOPHYTA		
.MYXOPHYCEAE		
..CHROOCOCCALES		
...CHROOCOCCACEAE		
....AGMENELLUM		0
...OSCILLATORIALES		
...NOSTOCAEAE		
....ANABAENA	5,400	57
...OSCILLATORIAEAE		
....LYNGBYA	470	5
....OSCILLATORIA	470	5

NOV 19, 1976 1100 HOURS

PHYTOPLANKTON 1,800 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OCCYSTACEAE		
....KIRCHNERIELLA	11	1
...SCENEDESMACEAE		
....SCENEDESMUS	45	3
CHRYSOHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....MELOSIRA	160	9
...PENNALES		
...CYMBELLACEAE		
....EPITHEMIA	11	1
...FRAGILARIACEAE		
....SYNEDRA	11	1
...GOMPHONEMACEAE		
....GOMPHONEMA	11	1
...NAVICULACEAE		
....CALONEIS	11	1
....NAVICULA	550	31
...NITZSCHIZACEAE		
....NITZSCHIA	420	24
...SURIPELLACEAE		
....SURIPELLA	11	1
CHRYSOHYCEAE		
..CHRYSONOMADALES		
...SYNURACEAE		
....SYNURA	45	3
CYANOPHYTA		
.MYXOPHYCEAE		
..OSCILLATORIALES		
...OSCILLATORIAEAE		
....LYNGBYA	110	6
....OSCILLATORIA	320	18
EUGLENOPHYTA		
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....EUGLENA	11	1
....TRACHELOMONAS	33	2

DEC. 9, 1976 1400 HOURS

PHYTOPLANKTON 180 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...SCENEDESMACEAE		
....CRUCIGENIA	20	11
...VOLVOCALES		
...VOLVOCAEAE		
....GONIUM	26	14
..ZYGEMNATALES		
...DESMIDIACEAE		
....COSMARIUM	10	6
CHRYSOHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTETRA	10	6
....MELOSIRA	20	11
...PENNALES		
...ACHNANTHACEAE		
...COCCONEIS	5	3
...CYMBELLACEAE		
....CYMBELLA	5	3
...DIATOMACEAE		
....DIATOMA	10	6
...NAVICULACEAE		
....NAVICULA	41	23
...NITZSCHIZACEAE		
....HANTZSCHIA	5	3
...NITZSCHIA	5	3
...SURIPELLACEAE		
....SURIPELLA	5	3
EUGLENOPHYTA		
.CRYPTOPHYCEAE		
..CRYPTOMONIDALES		
...CRYPTOMONODACEAE		
....CRYPTOMONAS	5	3
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....TRACHELOMONAS	10	6

JAN. 11, 1977 1310 HOURS

PHYTOPLANKTON 2,100 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OCCYSTACEAE		
....ANKISTRODESMUS	130	6
....DICTYOSPHAERIUM	56	3
...SCENEDESMACEAE		
....SCENEDESMUS	85	4
CHRYSOHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....MELOSIRA	1,300	63
...PENNALES		
...ACHNANTHACEAE		
...COCCONEIS		0
...FRAGILARIACEAE		
....SYNEDRA	21	1
...NAVICULACEAE		
....NAVICULA	14	1
...NITZSCHIZACEAE		
....NITZSCHIA	64	3
CYANOPHYTA		
.MYXOPHYCEAE		
..CHROOCOCCALES		
...CHROOCOCCACEAE		
....AGMENELLUM	56	3
....ANACYSTIS	320	15
EUGLENOPHYTA		
.CRYPTOPHYCEAE		
..CRYPTOMONIDALES		
...CRYPTOMONODACEAE		
....CRYPTOMONAS	14	1
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....TRACHELOMONAS	21	1

02489500 PEARL RIVER NEAR BOGALUSA, LA--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

FEB. 25, 1977 1430 HOURS

PHYTOPLANKTON 2,700 CELLS/ML

ORGANISM_NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
..CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
....ANKISTRODESMUS	260	10
....DICTYOSPHAERIUM	900	34
CHRYSTOPHYTA		
..BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTILLA	64	2
....MELOSIRA	130	5
..PENNALES		
...EUNOTIACEAE		
....EUNOTIA	32	1
...FRAGILARIACEAE		
....SYNEDRA	32	1
...GOMPHONEMACEAE		
....GOMPHONEMA	64	2
...NAVICULACEAE		
....NAVICULA	32	1
...NITZSCHACEAE		
....NITZSCHIA	130	5
CYANOPHYTA		
..MYXOPHYCEAE		
..OSCILLATORIALES		
...OSCILLATORIA	1,000	37
..PERIDINIALES		
...GLENODINIACEAE		
....GLENODINIUM	32	1

MAY 6, 1977 1155 HOURS

PHYTOPLANKTON 3,300 CELLS/ML

ORGANISM_NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
..CHLOROPHYCEAE		
..CHLOROCOCCALES		
...CHARACIACEAE		
....SCHROEDERIA	180	6
...OOCYSTACEAE		
....ANKISTRODESMUS	320	10
....DICTYOSPHAERIUM	92	3
...KIRCHNERIELLA	34	1
...SELENASTRUM	92	3
....TETRAEDRON	11	0
....WESTELLA	92	3
...SCENEDESMACEAE		
....CRUCIGENIA	180	6
...SCENEDESMUS	570	17
....TETRASTRUM	140	4
..TETRASPORALES		
...PALMELLACEAE		
....SPHAEROCYSTIS	230	7
...VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CARTERIA	11	0
CHRYSTOPHYTA		
..BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTILLA	34	1
....MELOSIRA	1,100	34
..PENNALES		
...CYMBELLACEAE		
....CYMBELLA	23	1
...NITZSCHACEAE		
....NITZSCHIA	11	0
...SURIRELLACEAE		
....SURIRELLA	11	0
..XANTHOPHYCEAE		
...HETEROCOCCALES		
...CHLOROTHECIACEAE		
....OPHIOCYTIUM	11	0
CYANOPHYTA		
..MYXOPHYCEAE		
..OSCILLATORIALES		
...OSCILLATORIA	110	3
EUGLENOPHYTA		
..EUGLENACEAE		
...EUGLENALES		
....EUGLENACEAE		
....TRACHELOMONAS	11	0

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) above mean sea level.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1977 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--14 years, 112 ft³/s (3.172 m³/s), 20.92 in/yr (531 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 discharge above base of 1,500 ft³/s (42 m³/s) and maximum (*):

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Apr. 22	0415	*6950	197	*11.80	3.597
Sept. 6	unknown	about 2200	72	unknown	unknown

Minimum discharge, 25 ft³/s (0.708 m³/s) Oct. 4, 5, 6, gage height, 3.74 ft (1.140 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	35	69	110	72	162	101	450	100	123	29	44	80
2	30	44	81	69	123	83	230	260	148	34	46	66
3	28	35	67	140	227	76	140	180	70	74	45	62
4	27	33	58	143	316	728	180	130	53	68	41	58
5	27	31	53	102	190	612	270	100	49	41	39	200
6	26	29	61	108	131	396	130	90	46	36	40	2000
7	28	29	394	294	110	285	108	86	44	35	46	800
8	29	27	220	202	100	185	95	80	42	32	39	480
9	29	27	130	186	94	142	87	78	41	70	33	350
10	30	29	100	292	89	125	79	74	41	121	30	500
11	29	31	90	162	84	115	73	72	41	69	35	640
12	28	46	96	119	82	449	69	72	40	70	64	500
13	28	64	200	108	83	703	66	70	40	57	121	370
14	28	84	150	671	79	310	63	68	42	53	75	300
15	28	208	180	609	73	170	62	66	50	129	46	250
16	30	117	130	316	69	140	61	64	45	103	40	300
17	37	67	100	186	67	120	59	62	44	99	37	220
18	37	56	90	146	66	105	63	60	40	69	38	170
19	35	53	84	123	66	90	149	58	38	51	94	130
20	35	69	90	109	65	82	403	56	37	48	143	100
21	39	75	140	102	62	76	1740	55	36	48	73	90
22	37	54	110	96	61	70	5210	55	34	60	70	78
23	33	48	94	92	63	66	2800	55	32	45	80	70
24	33	45	84	112	136	64	1000	55	30	37	246	64
25	46	44	250	117	104	68	300	61	29	33	200	58
26	48	46	400	95	78	66	160	59	28	32	91	54
27	37	55	200	142	243	68	120	67	28	36	64	50
28	31	70	124	144	181	110	98	56	28	43	55	50
29	31	170	107	102	---	105	88	49	28	52	69	47
30	170	140	90	89	---	250	80	47	29	58	71	46
31	184	---	81	143	---	740	---	49	---	45	90	---
TOTAL	1293	1895	4164	5391	3204	6700	14433	2434	1376	1777	2205	8183
MEAN	41.7	63.2	134	174	114	216	481	78.5	45.9	57.3	71.1	273
MAX	184	208	400	671	316	740	5210	260	148	129	246	2000
MIN	26	27	53	69	61	64	59	47	28	29	30	46
CFSM	.57	.87	1.84	2.39	1.57	2.97	6.62	1.08	.63	.79	.98	3.76
IN.	.66	.97	2.13	2.76	1.64	3.43	7.39	1.25	.70	.91	1.13	4.19
CAL YR 1976	TOTAL	31294	MEAN	85.5	MAX	751	MIN	23	CFSM	1.18	IN	16.01
WTR YR 1977	TOTAL	53055	MEAN	145	MAX	5210	MIN	26	CFSM	1.99	IN	27.15

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

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.79	3.97	4.09	3.96	4.19	4.04	---	---	4.10	3.76	3.83	---
2	3.77	3.87	4.00	3.95	4.10	3.98	---	---	4.16	3.79	3.84	---
3	3.76	3.83	3.95	4.15	4.31	3.96	---	---	3.93	3.95	3.84	---
4	3.75	3.82	3.92	4.17	4.49	5.16	---	---	3.87	3.92	3.82	---
5	3.75	3.81	3.90	4.06	4.25	4.99	---	---	3.85	3.82	3.81	---
6	3.75	3.80	3.92	4.07	4.12	4.63	---	---	3.84	3.80	3.81	---
7	3.76	3.80	4.66	4.47	4.07	4.44	4.06	---	3.83	3.79	3.84	---
8	3.76	3.79	---	4.29	4.03	4.25	4.02	---	3.83	3.78	3.81	---
9	3.77	3.79	---	4.25	4.01	4.15	3.99	---	3.82	3.93	3.78	---
10	3.77	3.80	---	4.46	4.00	4.11	3.97	---	3.82	4.09	3.77	---
11	3.76	3.81	---	4.19	3.98	4.08	3.95	---	3.82	3.93	3.79	---
12	3.76	3.87	---	4.09	3.97	4.70	3.93	---	3.82	3.93	3.90	---
13	3.76	3.95	---	4.06	3.98	5.12	3.92	---	3.81	3.89	4.10	---
14	3.76	4.01	---	5.07	3.96	4.47	3.91	---	3.83	3.87	3.95	---
15	3.76	4.33	---	4.98	3.94	---	3.90	---	3.86	4.11	3.84	---
16	3.77	4.11	---	4.49	3.93	---	3.90	---	3.84	4.04	3.82	---
17	3.81	3.96	---	4.25	3.92	---	3.89	---	3.83	4.03	3.80	---
18	3.81	3.92	---	4.16	3.92	---	3.91	---	3.82	3.93	3.81	---
19	3.80	3.91	---	4.10	3.92	---	4.14	---	3.80	3.86	4.01	---
20	3.80	3.97	---	4.06	3.92	---	4.65	---	3.80	3.85	4.15	---
21	3.83	3.99	---	4.04	3.91	---	6.77	---	3.80	3.84	3.94	---
22	3.82	---	---	4.02	3.90	---	10.96	---	3.79	3.90	3.93	---
23	3.81	---	---	4.01	3.91	---	---	---	3.78	3.84	3.97	---
24	3.81	---	---	4.07	4.13	---	---	---	3.77	3.80	4.35	---
25	3.87	---	---	4.08	4.04	---	---	3.90	3.77	3.78	4.27	---
26	3.88	---	---	4.02	3.96	---	---	3.89	3.76	3.78	4.00	---
27	3.84	---	---	4.14	4.35	---	---	3.92	3.76	3.80	3.91	3.86
28	3.81	---	---	4.15	4.23	---	---	3.87	3.76	3.83	3.88	3.86
29	3.81	---	4.07	4.04	---	---	---	3.85	3.76	3.87	3.93	3.84
30	4.24	---	4.02	4.00	---	---	---	3.85	3.76	3.89	3.94	3.84
31	4.27	---	3.99	4.15	---	---	---	3.85	---	3.84	---	---
MEAN	3.82	---	---	4.19	4.05	---	---	---	3.83	3.88	---	---
MAX	4.27	---	---	5.07	4.49	---	---	---	4.16	4.11	4.35	---
MIN	3.75	---	---	3.95	3.90	---	---	---	3.76	3.76	---	---

PEARL RIVER BASIN

02490193 PEARL RIVER AT POOLS BLUFF, NEAR BOGALUSA, LA

WATER QUALITY RECORDS

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 year 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.

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, 30 micromhos Apr. 22, 1977.

pH: Maximum, 7.6 units Oct. 20, 1976; minimum, 5.5 units Jan. 20, 1977.

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.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 160 micromhos June 1; minimum, 30 micromhos Apr. 22.

pH: Maximum, 7.6 units Oct. 20; minimum, 5.5 units Jan. 20.

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

DISSOLVED OXYGEN: Maximum, 12.8 mg/L Jan. 7.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	HARD- NESS (CA+MG) (MG/L)
OCT 15...	1400	124	7.1	21.0	60	15	8.2	2.9	150	340	--	13
NOV 19...	1030	103	7.0	12.5	80	10	9.7	3.4	--	B2700	--	11
DEC 09...	1300	75	6.7	9.5	70	20	9.8	5.7	B860	930	--	13
JAN 11...	1250	73	6.6	6.5	70	35	10.4	2.7	630	--	--	12
FEB 25...	1300	87	6.6	16.0	60	50	8.9	4.8	--	--	--	20
MAR 16...	1230	58	6.3	18.5	60	20	7.6	2.1	120	--	B4	14
APR 06...	1125	57	6.2	18.5	80	35	6.7	--	--	--	B43	11
MAY 06...	1115	65	6.6	23.0	60	15	7.0	1.5	B20	--	200	15
JUN 22...	1420	124	7.2	30.5	50	10	7.5	6.1	92	--	120	13
JUL 12...	1400	86	6.9	27.5	40	20	7.4	1.4	110	--	780	8
AUG 09...	1005	79	7.2	29.5	60	25	6.7	2.4	<5	--	660	13
SEP 02...	1530	110	7.9	29.0	80	10	6.8	1.4	B30	--	470	10

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
OCT 15...	0	3.8	.9	18	71	2.2	2.2	31	0	25	3.9	15
NOV 19...	0	3.2	.8	13	67	1.7	2.0	23	0	19	3.7	13
DEC 09...	0	2.9	1.3	8.7	56	1.1	1.9	16	0	13	5.1	9.1
JAN 11...	0	3.0	1.0	8.3	56	1.1	2.1	14	0	11	5.6	9.6
FEB 25...	0	5.7	1.4	10	49	1.0	2.0	25	0	21	10	12
MAR 16...	8	3.5	1.3	4.1	36	.5	1.6	7	0	6	5.6	12
APR 06...	4	2.9	1.0	5.0	44	.6	1.8	9	0	7	9.1	7.1
MAY 06...	4	3.8	1.4	5.7	42	.6	1.7	14	0	11	5.6	8.4
JUN 22...	0	3.4	1.2	18	71	2.1	2.0	29	0	24	2.9	13
JUL 12...	0	1.6	.9	13	74	2.0	1.7	14	0	11	2.8	11
AUG 09...	0	3.7	1.0	9.1	55	1.1	2.2	20	0	16	2.0	8.6
SEP 02...	0	4.1	.0	--	--	--	2.2	31	0	25	.6	7.7

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT 15...	11	.1	11	78	78	.11	.37	.64	1.0	4.5	.08
NOV 19...	8.7	.0	10	65	62	.09	.17	--	--	--	.09
DEC 09...	7.5	.1	8.8	--	48	.07	.16	--	--	--	.08
JAN 11...	9.0	.1	8.1	63	48	.09	.18	.66	.84	3.7	.07
FEB 25...	7.7	.0	9.5	64	60	.09	.19	--	--	--	.09
MAR 16...	5.0	.0	6.8	54	38	.07	.08	--	--	--	.07
APR 06...	4.4	.0	6.9	58	34	.08	.18	.73	.91	4.0	.12
MAY 06...	5.7	.0	8.6	50	42	.07	.18	--	--	--	.07
JUN 22...	13	.0	5.8	86	71	.12	.00	--	--	--	.06
JUL 12...	9.1	.0	11	66	56	.09	.28	.64	.92	4.1	.07
AUG 09...	6.3	.1	7.7	50	49	.07	.36	--	--	--	.12
SEP 02...	9.3	.0	11	71	--	.10	.33	.42	.75	3.3	.10

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)
OCT 15...	0	--	0	--	--	0	8	--	180	--	3	--
JAN 11...	0	--	0	--	--	0	6	--	230	--	3	--
APR 06...	1	0	0	<10	<10	0	10	<10	170	250	0	<10
JUL 12...	2	--	0	--	--	0	3	--	220	--	0	--

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT 15...	100	--	.1	--	20	--	4.0
JAN 11...	60	--	.0	--	10	--	11
APR 06...	90	110	.0	.0	10	<10	7.9
JUL 12...	120	--	.0	--	20	--	6.5

DATE	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATHL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)
OCT 15...	--	--	.0	--	.00	--	.00	--	.0	--	.00	--
APR 06...	.00	3	.0	0	.00	.0	.00	.0	.0	0	.00	.0

DATE	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)
OCT 15...	.00	--	.00	--	.01	--	.00	--	.00	--	.00	--
APR 06...	.00	.0	.00	.0	.01	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)
OCT 15...	.00	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR 06...	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
OCT 15...	--	--	.00	--	0	--	.00	--	.00	.00	.00
APR 06...	.00	.0	.00	.0	0	0	.00	.0	.03	.04	.00

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

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	116	103	126	107	---	---	74	67	76	74	70	63
2	118	104	125	111	---	---	74	68	83	73	70	67
3	119	106	115	109	---	---	73	70	80	75	75	65
4	125	111	119	110	---	---	76	71	82	73	74	51
5	131	111	121	114	---	---	75	71	82	74	53	46
6	124	109	125	115	---	---	75	72	72	68	48	39
7	123	111	127	116	58	53	76	72	71	66	37	33
8	120	108	128	110	65	53	81	75	73	66	35	33
9	123	113	---	---	55	50	83	80	76	70	36	32
10	120	104	---	---	63	55	84	78	78	74	40	35
11	121	100	---	---	68	62	82	72	84	74	46	40
12	124	109	---	---	65	63	73	61	89	84	47	43
13	112	102	---	---	74	59	63	60	90	85	49	45
14	117	101	---	---	69	61	64	53	89	85	50	46
15	126	105	---	---	71	68	60	52	84	77	51	48
16	131	116	---	---	71	69	58	51	82	74	52	49
17	127	119	---	---	75	72	52	48	79	71	53	50
18	125	112	---	---	76	74	53	48	97	79	53	51
19	119	106	---	---	80	77	56	51	95	92	54	51
20	130	118	---	---	86	81	64	56	98	91	54	50
21	124	117	---	---	87	84	68	62	93	89	50	48
22	123	118	---	---	98	85	69	65	89	84	49	46
23	---	---	---	---	86	78	69	66	91	80	48	46
24	---	---	---	---	78	71	69	64	92	86	47	44
25	---	---	---	---	73	68	65	61	89	73	45	43
26	---	---	---	---	73	62	61	58	75	69	44	42
27	128	116	---	---	76	66	65	60	73	58	49	44
28	133	125	---	---	67	61	72	64	64	57	52	48
29	136	125	---	---	63	60	76	70	---	---	55	52
30	124	109	---	---	69	59	77	74	---	---	58	55
31	114	108	---	---	78	71	77	73	---	---	58	52

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	51	48	63	62	160	112	113	103	91	89	112	107
2	54	48	65	63	120	104	109	102	92	78	111	100
3	62	56	63	61	122	101	117	102	100	84	111	105
4	55	45	64	59	117	107	113	93	102	85	114	109
5	48	45	60	57	122	108	90	80	83	72	113	98
6	53	48	74	59	122	112	98	88	79	75	95	73
7	58	54	79	69	125	118	102	94	79	75	79	64
8	56	48	72	68	122	116	102	96	76	73	77	58
9	54	48	73	68	123	115	129	94	78	75	74	62
10	53	48	69	62	126	118	127	90	86	77	78	67
11	57	50	74	63	127	118	107	78	88	81	86	72
12	55	49	82	74	124	119	84	76	88	84	91	75
13	55	51	86	78	126	117	91	76	87	84	88	72
14	55	51	84	80	122	118	107	78	92	86	86	76
15	55	51	86	80	127	120	117	99	94	88	88	79
16	56	51	89	82	125	117	117	109	94	91	85	76
17	55	51	90	86	125	115	110	101	99	92	82	64
18	52	51	92	87	125	113	100	92	100	95	84	72
19	54	52	94	87	118	110	95	90	98	86	86	82
20	54	53	98	91	119	110	97	93	87	76	91	79
21	55	33	100	95	117	105	99	94	82	77	85	71
22	40	30	102	97	130	112	106	97	85	80	82	74
23	40	38	103	96	129	116	106	102	85	77	84	79
24	40	37	104	91	132	119	107	102	91	85	84	78
25	42	39	104	93	131	120	104	99	100	85	86	81
26	48	39	110	102	120	111	107	103	102	99	88	81
27	53	44	111	104	119	108	105	104	109	100	91	86
28	56	49	109	103	120	110	105	102	117	109	99	90
29	63	55	112	105	124	113	105	93	121	117	101	95
30	65	62	113	106	115	108	91	85	122	116	107	90
31	---	---	114	107	---	---	91	86	116	108	---	---

PEARL RIVER BASIN

02490195 PEARL RIVER AT POOLS BLUFF, NEAR BOGALUSA, LA--Continued

PH (UNITS), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	7.0	6.9	6.6	6.5	---	---	6.4	6.3	6.5	6.5	6.5	6.4
2	7.0	6.8	6.6	6.5	---	---	6.4	6.3	6.5	6.5	6.5	6.4
3	6.8	6.7	6.6	6.5	---	---	6.3	6.2	6.6	6.5	6.3	6.3
4	6.7	6.7	6.6	6.5	---	---	6.2	6.1	6.6	6.5	6.4	6.0
5	6.8	6.7	6.6	6.6	---	---	6.1	6.0	6.7	6.6	6.0	6.0
6	6.8	6.8	6.6	6.6	---	---	6.1	6.0	6.7	6.7	6.0	5.9
7	7.0	6.9	6.6	6.5	6.3	6.1	6.0	5.7	6.7	6.6	5.9	5.8
8	7.2	7.0	6.8	6.6	6.4	6.2	5.7	5.7	6.7	6.6	5.8	5.8
9	7.2	7.2	---	---	6.2	6.1	5.8	5.7	6.7	6.7	5.8	5.8
10	7.3	7.1	---	---	6.3	6.2	6.0	5.8	6.7	6.7	5.8	5.8
11	7.2	7.2	---	---	6.3	6.2	6.0	6.0	6.7	6.7	5.8	5.7
12	7.3	7.1	---	---	6.3	6.2	6.0	5.7	6.7	6.7	5.8	5.7
13	7.1	6.9	---	---	6.3	6.2	5.7	5.7	6.7	6.7	5.8	5.7
14	7.0	6.9	---	---	6.3	6.2	5.8	5.5	6.7	6.7	5.8	5.7
15	7.0	7.0	---	---	6.3	6.2	5.7	5.6	6.8	6.8	5.7	5.7
16	7.1	7.0	---	---	6.3	6.2	5.7	5.7	6.8	6.8	5.7	5.6
17	7.2	7.1	---	---	6.3	6.2	5.7	5.7	6.8	6.8	5.7	5.6
18	7.2	7.1	---	---	6.3	6.2	5.7	5.7	6.8	6.7	5.7	5.6
19	7.3	7.2	---	---	6.3	6.3	5.8	5.7	6.8	6.8	5.7	5.6
20	7.6	7.2	---	---	6.3	6.3	5.8	5.8	6.8	6.8	5.7	5.6
21	7.5	7.3	---	---	6.4	6.3	5.9	5.8	6.8	6.8	5.9	5.7
22	7.4	7.3	---	---	6.7	6.4	5.9	5.9	6.8	6.6	6.0	5.9
23	---	---	---	---	6.7	6.6	6.0	6.0	6.7	6.6	6.0	6.0
24	---	---	---	---	6.7	6.6	6.0	6.0	6.7	6.7	6.0	6.0
25	---	---	---	---	6.6	6.4	6.1	6.1	6.7	6.6	6.1	6.0
26	---	---	---	---	6.4	6.2	6.3	6.2	6.6	6.5	6.1	6.0
27	6.8	6.7	---	---	6.4	6.2	6.3	6.3	6.5	6.4	6.1	6.1
28	6.8	6.8	---	---	6.3	6.3	6.3	6.3	6.4	6.4	6.1	6.1
29	6.8	6.7	---	---	6.3	6.2	6.5	6.4	---	---	6.1	6.1
30	6.7	6.4	---	---	6.2	6.2	6.5	6.4	---	---	6.2	6.1
31	6.6	6.5	---	---	6.4	6.2	6.5	6.5	---	---	6.2	6.1
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	6.1	6.1	6.2	6.2	7.2	6.7	6.8	6.7	6.7	6.6	6.7	6.7
2	6.2	6.1	6.3	6.2	7.1	6.9	6.8	6.7	6.7	6.7	6.8	6.7
3	6.3	6.2	6.2	6.2	6.9	6.9	6.8	6.7	6.8	6.7	6.8	6.8
4	6.3	6.2	6.2	6.2	6.9	6.7	6.9	6.7	6.8	6.8	6.8	6.8
5	6.2	6.2	6.2	6.2	6.9	6.7	6.8	6.7	6.8	6.7	6.9	6.7
6	6.2	6.2	6.3	6.2	6.9	6.9	6.8	6.7	6.7	6.7	6.7	6.5
7	6.2	6.1	6.4	6.3	6.9	6.8	6.7	6.6	6.7	6.7	6.5	6.4
8	6.1	6.0	6.4	6.3	6.9	6.7	6.6	6.6	6.7	6.6	6.4	6.3
9	6.1	6.1	6.3	6.3	6.8	6.7	6.6	6.5	6.7	6.6	6.5	6.3
10	6.1	6.1	6.4	6.3	6.7	6.6	6.5	6.5	6.8	6.7	6.5	6.4
11	6.1	6.1	6.5	6.3	6.6	6.5	6.5	6.5	6.8	6.7	6.6	6.5
12	6.1	6.1	6.5	6.5	6.6	6.6	6.5	6.4	6.8	6.7	6.6	6.6
13	6.1	6.1	6.6	6.5	6.6	6.6	6.4	6.4	6.8	6.7	6.6	6.5
14	6.1	6.0	6.5	6.5	6.6	6.5	6.6	6.4	6.8	6.7	6.6	6.5
15	6.1	6.0	6.5	6.5	6.5	6.5	6.6	6.5	6.8	6.8	6.6	6.5
16	6.1	6.0	6.5	6.5	6.7	6.5	6.6	6.6	6.8	6.7	6.5	6.4
17	6.0	6.0	6.5	6.5	6.8	6.7	6.6	6.5	6.8	6.7	6.5	6.4
18	6.0	6.0	6.5	6.4	6.7	6.7	6.5	6.5	6.8	6.7	6.6	6.4
19	6.0	6.0	6.4	6.4	6.7	6.6	6.5	6.5	6.7	6.7	6.7	6.6
20	6.0	6.0	6.5	6.4	6.7	6.6	6.6	6.5	6.7	6.5	6.8	6.7
21	6.0	5.6	6.5	6.5	6.9	6.7	6.6	6.5	6.5	6.5	6.7	6.7
22	5.9	5.6	6.5	6.5	6.8	6.7	6.6	6.6	6.6	6.4	6.7	6.7
23	6.0	5.9	6.5	6.5	6.8	6.7	6.6	6.6	6.6	6.4	6.8	6.7
24	6.0	5.9	6.6	6.5	6.8	6.7	6.6	6.6	6.7	6.6	6.8	6.7
25	6.0	6.0	6.6	6.6	6.8	6.7	6.6	6.6	6.7	6.5	6.7	6.7
26	6.1	6.0	6.7	6.6	6.7	6.6	6.7	6.6	6.7	6.7	6.7	6.7
27	6.1	6.0	6.7	6.6	6.7	6.6	6.7	6.6	6.7	6.7	6.7	6.7
28	6.1	6.1	6.7	6.6	6.7	6.6	6.7	6.7	6.7	6.7	6.8	6.7
29	6.2	6.1	6.7	6.7	6.7	6.6	6.7	6.7	6.7	6.7	6.8	6.6
30	6.2	6.2	6.7	6.7	6.8	6.7	6.7	6.6	6.8	6.7	6.8	6.5
31	---	---	6.8	6.6	---	---	6.6	6.6	6.7	6.6	---	---

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

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	25.0	23.5	16.5	15.5	---	---	8.5	7.0	5.0	4.5	14.5	13.5
2	25.0	23.5	16.0	15.0	---	---	7.0	6.0	5.5	4.5	14.0	13.0
3	25.0	23.5	16.5	14.5	---	---	6.0	5.5	6.5	5.5	15.0	13.5
4	25.0	24.0	16.0	15.0	---	---	6.5	5.5	7.5	6.5	15.5	14.0
5	25.0	24.0	15.5	14.5	---	---	7.5	6.5	8.0	7.0	14.5	12.5
6	24.5	23.0	15.0	13.5	---	---	7.5	7.0	8.0	6.5	12.5	12.0
7	23.0	21.5	15.5	13.5	10.0	9.5	7.5	7.0	8.0	7.0	13.0	11.5
8	21.5	19.5	14.5	13.5	9.5	9.0	7.5	7.0	8.0	7.0	13.0	11.0
9	20.0	18.5	---	---	9.0	8.5	9.0	7.5	8.5	7.5	13.0	11.5
10	19.5	18.0	---	---	9.5	8.5	8.5	7.0	9.0	7.5	14.5	12.5
11	20.0	18.0	---	---	10.5	9.5	7.0	6.0	10.0	8.5	16.0	14.0
12	20.5	18.5	---	---	11.0	10.5	7.0	6.0	11.0	10.0	16.0	15.0
13	20.5	19.0	---	---	11.5	11.0	7.0	6.5	12.0	11.0	16.5	14.5
14	21.0	19.5	---	---	11.0	11.0	9.0	7.5	12.5	11.0	17.0	15.0
15	21.0	20.0	---	---	11.0	10.5	9.0	8.0	12.0	11.0	17.5	16.5
16	20.5	20.0	---	---	11.5	10.5	8.0	6.0	11.0	10.0	18.0	16.5
17	20.0	19.0	---	---	11.0	10.5	6.0	5.0	11.0	9.5	18.0	17.0
18	19.0	18.0	---	---	11.0	10.5	5.0	4.5	11.5	10.5	19.0	17.5
19	19.5	18.0	---	---	11.5	11.0	4.5	3.0	12.5	11.5	19.5	18.5
20	19.0	18.0	---	---	12.0	11.0	5.0	3.0	12.5	11.5	19.0	18.0
21	18.0	17.0	---	---	11.0	9.5	5.5	4.0	12.5	11.5	19.5	18.5
22	17.0	16.0	---	---	9.5	8.5	5.5	4.0	12.5	11.5	19.0	17.0
23	---	---	---	---	8.5	7.5	5.5	5.0	13.5	12.5	17.5	16.0
24	---	---	---	---	8.0	7.0	5.5	5.0	14.5	13.0	16.5	15.5
25	---	---	---	---	8.5	7.5	5.5	4.0	15.0	13.5	16.5	15.5
26	---	---	---	---	9.5	9.0	5.0	4.0	15.0	14.5	17.0	16.0
27	18.5	18.0	---	---	9.0	8.5	7.0	5.0	15.5	14.5	17.5	17.0
28	17.5	17.0	---	---	10.0	9.0	8.0	6.5	15.0	14.0	18.0	17.0
29	16.5	16.0	---	---	10.0	9.0	7.5	5.5	---	---	18.5	17.5
30	17.5	16.0	---	---	10.0	9.0	6.0	5.0	---	---	19.5	18.5
31	17.0	16.0	---	---	10.0	8.5	5.5	4.5	---	---	19.5	18.5
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	19.0	18.0	21.5	21.0	28.0	21.5	29.5	26.5	30.5	29.0	28.5	27.0
2	20.0	19.0	21.5	21.0	28.0	21.0	30.0	28.5	29.5	28.5	29.0	27.5
3	20.5	19.5	22.0	21.0	29.0	23.0	30.0	28.5	29.5	28.5	28.5	28.0
4	20.0	19.0	22.5	21.5	30.5	23.5	30.5	29.0	28.5	28.0	28.5	27.5
5	19.0	18.0	23.5	22.0	30.5	26.0	30.5	29.5	28.5	28.0	28.0	26.5
6	18.5	17.0	24.5	23.0	30.5	29.0	31.0	29.5	29.0	28.0	26.0	25.0
7	19.0	17.5	24.5	23.5	30.0	28.5	31.0	29.5	29.0	28.5	26.0	25.0
8	19.5	18.0	25.5	24.5	29.0	28.0	31.0	29.5	29.5	28.5	26.0	25.5
9	19.5	18.0	25.5	24.5	29.0	26.5	30.0	29.0	30.5	29.5	26.5	26.0
10	19.5	18.0	25.0	23.5	29.5	27.5	29.0	28.0	29.5	29.0	26.0	25.5
11	19.5	18.0	24.0	23.5	30.0	26.5	28.5	27.5	29.0	28.5	26.0	25.5
12	19.5	18.0	24.0	23.5	30.5	28.5	27.5	26.5	29.0	28.0	26.0	26.0
13	20.0	18.5	24.5	23.0	30.0	29.5	28.0	26.5	29.0	28.0	26.0	25.5
14	20.0	18.5	24.5	23.5	29.5	28.5	29.5	27.5	30.0	28.5	26.0	25.5
15	20.5	19.0	25.0	23.5	30.0	26.5	29.0	28.0	30.0	29.0	25.5	24.5
16	20.5	19.0	25.5	24.0	30.0	28.5	29.0	28.0	30.5	29.5	25.0	24.0
17	20.5	19.5	25.5	24.5	30.5	29.0	29.0	28.0	31.0	29.5	25.5	24.5
18	21.0	20.0	26.0	24.5	30.5	29.0	30.0	28.5	30.0	29.0	26.5	25.5
19	20.5	20.0	26.0	25.0	30.5	29.0	30.0	29.0	29.0	28.5	27.0	26.5
20	20.0	20.0	26.5	25.0	30.5	29.0	29.5	28.5	28.5	27.5	27.0	26.5
21	20.0	18.5	26.0	25.0	30.5	28.5	30.0	28.5	28.0	27.5	27.0	26.5
22	20.0	18.5	26.5	25.0	31.0	29.5	30.5	29.0	27.5	27.0	27.5	26.5
23	20.0	19.0	26.5	25.5	31.0	29.5	31.5	29.5	28.0	27.0	27.5	26.5
24	20.0	19.0	27.0	25.5	31.5	29.5	32.0	30.5	27.5	27.0	27.5	27.0
25	20.0	19.0	27.0	25.5	31.5	30.0	32.5	30.5	28.0	26.5	27.5	27.0
26	19.5	18.5	27.5	26.0	31.0	29.5	31.5	30.5	29.0	28.0	28.0	27.0
27	19.5	18.0	27.5	26.5	31.0	29.5	31.0	30.0	29.0	28.0	28.0	27.5
28	20.0	18.5	28.5	26.5	30.5	29.5	31.0	29.5	28.5	27.5	28.0	27.5
29	20.5	19.0	29.0	26.5	30.5	29.0	30.0	29.5	28.0	27.0	28.0	27.5
30	21.5	20.0	30.0	28.0	30.0	29.0	29.5	29.0	28.0	27.0	27.5	26.5
31	---	---	30.0	24.0	---	---	30.0	29.0	26.0	27.0	---	---

PEARL RIVER BASIN

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

DISSOLVED OXYGEN (DO), MG/L, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	7.5	6.9	---	---	---	---	10.7	10.5	11.0	10.7	6.1	5.7
2	7.6	5.3	---	---	---	---	11.3	11.2	11.3	10.5	6.2	5.8
3	5.8	5.2	---	---	---	---	11.9	11.6	11.0	10.4	6.3	5.7
4	5.7	4.8	---	---	---	---	12.2	12.0	10.5	9.9	6.5	5.3
5	5.1	4.6	9.7	8.8	---	---	12.5	12.1	10.5	9.8	6.8	6.1
6	4.9	4.4	9.5	8.5	---	---	12.6	12.3	10.3	9.7	7.2	6.9
7	5.6	4.9	10.1	9.3	10.2	9.8	12.8	11.2	9.9	9.5	7.3	6.9
8	6.7	5.9	10.3	9.3	10.7	10.1	11.5	10.8	9.7	9.3	7.4	6.9
9	7.6	6.7	---	---	10.7	10.2	11.0	10.2	9.5	9.1	7.4	7.1
10	8.0	7.4	---	---	10.9	10.3	10.8	10.1	9.4	9.1	7.3	7.0
11	7.7	6.3	---	---	10.6	9.8	10.9	10.6	9.5	8.9	7.3	6.8
12	6.8	6.1	---	---	10.0	9.1	10.8	9.5	9.2	8.4	7.2	6.8
13	6.8	5.9	---	---	9.3	8.8	9.8	9.3	8.9	8.2	7.7	6.6
14	8.1	7.1	---	---	8.9	8.0	9.5	8.6	8.5	7.6	7.5	6.9
15	8.3	7.1	---	---	8.2	7.7	9.2	8.7	8.6	8.1	7.8	7.2
16	7.8	6.3	---	---	7.7	7.0	9.6	9.1	8.5	8.4	7.9	7.6
17	7.3	6.5	---	---	7.1	6.4	10.1	9.6	8.8	8.4	7.8	7.3
18	8.7	7.2	---	---	6.5	6.0	10.2	9.8	8.8	8.3	7.5	7.0
19	9.2	8.2	---	---	6.1	5.8	10.6	10.1	10.6	9.0	7.3	6.7
20	9.3	8.2	---	---	7.2	5.8	11.2	10.5	9.8	9.0	7.3	6.8
21	9.3	8.5	---	---	7.5	7.2	11.4	10.8	10.1	8.9	7.5	6.8
22	9.0	8.7	---	---	7.8	7.4	11.6	11.1	9.9	8.9	7.4	7.1
23	---	---	---	---	8.5	8.1	11.8	11.3	9.3	8.4	8.0	7.5
24	---	---	---	---	9.0	8.7	11.8	11.2	8.5	7.3	8.0	7.6
25	---	---	---	---	9.4	8.7	11.9	11.5	7.6	6.5	8.3	7.8
26	---	---	---	---	9.0	8.7	12.0	11.5	6.8	6.3	8.6	8.0
27	---	---	---	---	9.4	9.1	11.8	11.1	6.5	5.9	8.5	7.8
28	---	---	---	---	9.8	9.4	11.5	10.6	6.0	5.6	8.3	7.7
29	---	---	---	---	10.0	9.5	11.0	10.6	---	---	8.1	7.4
30	---	---	---	---	10.1	9.7	11.1	10.7	---	---	8.4	7.7
31	---	---	---	---	10.2	9.9	11.4	11.0	---	---	8.2	7.1
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	7.7	7.2	---	---	4.5	4.5	7.1	6.0	6.8	6.5	7.6	7.0
2	8.1	7.2	---	---	4.6	4.6	7.2	5.4	6.8	5.4	7.3	5.7
3	8.3	7.6	---	---	4.7	4.7	6.4	5.6	6.9	5.9	6.7	5.9
4	8.3	7.5	---	---	4.8	4.6	7.7	5.5	7.4	6.5	7.1	6.1
5	8.4	7.3	---	---	5.7	4.6	7.3	5.4	7.5	6.8	7.3	6.3
6	7.6	7.2	---	---	5.5	4.8	7.2	5.8	7.8	6.2	7.2	6.6
7	7.6	7.3	---	---	4.6	3.6	7.3	6.0	6.7	5.7	8.0	6.9
8	7.7	7.2	---	---	4.9	4.1	6.4	5.7	6.3	5.1	8.0	6.8
9	7.4	6.9	---	---	5.1	3.7	7.4	6.3	5.6	3.5	8.3	7.0
10	7.2	6.6	---	---	4.6	3.5	7.1	6.5	6.7	5.5	8.1	7.3
11	7.4	6.5	7.6	7.0	4.1	2.6	7.2	6.4	6.8	6.3	8.0	7.1
12	7.6	6.9	7.2	6.4	4.7	3.2	7.2	6.6	7.0	6.5	7.5	6.8
13	7.1	6.5	6.5	5.4	5.6	4.6	7.1	6.1	7.2	6.7	7.2	6.5
14	6.9	6.2	5.5	4.4	5.5	4.7	6.7	6.1	7.4	6.7	6.6	5.9
15	6.9	5.8	4.5	3.5	5.8	5.5	6.6	6.1	7.0	6.3	7.1	6.2
16	6.9	6.1	3.5	2.3	6.6	5.2	6.6	6.3	7.0	6.2	7.4	6.4
17	6.4	5.6	2.3	1.7	6.5	5.0	6.9	6.7	7.0	5.9	7.4	6.7
18	5.7	5.0	2.6	2.2	6.1	5.2	7.0	6.6	6.4	5.5	7.0	6.4
19	6.6	4.9	2.9	2.5	6.0	5.0	6.8	6.5	6.8	5.6	6.9	6.3
20	6.7	6.1	3.2	2.8	6.4	5.1	6.9	6.6	7.0	6.5	6.8	6.2
21	7.8	6.3	3.4	3.2	7.5	5.8	7.0	7.8	6.9	6.1	7.8	6.7
22	8.1	6.6	3.3	2.2	6.6	5.4	7.0	6.5	6.7	5.7	8.0	7.5
23	7.7	7.3	3.3	2.3	6.0	4.2	6.7	6.1	6.3	5.7	8.2	7.6
24	7.8	6.7	3.4	2.9	4.6	3.2	6.3	5.7	6.4	5.7	8.2	7.6
25	7.4	6.5	3.9	2.9	4.7	2.8	6.0	5.4	6.1	5.7	8.2	7.7
26	7.2	6.9	3.4	2.8	7.2	2.7	6.1	5.5	6.8	5.8	8.1	6.8
27	7.4	7.1	5.6	3.0	7.2	6.0	6.1	5.4	6.9	6.1	7.8	6.9
28	7.4	7.0	6.4	4.5	7.0	6.1	6.1	5.8	6.6	6.1	7.5	7.0
29	7.8	7.6	6.6	5.4	6.8	6.1	6.5	5.8	6.9	6.2	7.6	7.2
30	8.1	7.7	6.6	5.5	7.8	6.3	6.7	6.2	7.3	6.6	7.9	6.9
31	---	---	5.8	5.2	---	---	6.8	6.2	7.4	6.7	---	---

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) above mean sea level.

REMARKS.--Records good.

AVERAGE DISCHARGE.--33 years, 792 ft³/s (22.43 m³/s), 21.43 in/yr (544 mm/yr).

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

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

EXTREMES FOR CURRENT YEAR.-- Peak 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)
Mar. 6	1700	7620 216	16.61 5.063	Apr. 22	2230	*25000 708	*27.51 8.385

Minimum discharge, 247 ft³/s (7.0 m³/s) June 29, gage height, 6.51 ft (1.984 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	265	326	498	413	448	1280	1340	441	274	259	296	271
2	263	301	413	403	454	860	1370	443	273	281	359	266
3	261	291	379	499	524	733	1450	495	270	378	527	264
4	263	287	361	873	1250	4380	1020	473	268	275	525	264
5	265	285	351	1050	1550	6020	1640	428	266	300	396	272
6	479	284	355	750	1100	6700	1530	399	265	294	315	555
7	389	285	601	625	738	5340	1030	380	262	269	295	884
8	310	285	756	555	612	3080	720	366	260	260	286	688
9	287	284	535	618	540	2020	594	360	258	265	276	417
10	279	287	434	1760	504	1220	532	391	257	280	269	396
11	276	294	429	1820	479	1010	497	383	257	292	268	388
12	274	354	459	1770	504	1150	465	349	256	290	270	350
13	272	431	570	983	736	1540	444	338	257	275	269	352
14	272	430	749	3180	955	1300	434	329	258	274	268	531
15	271	460	651	4020	724	925	420	324	265	290	265	456
16	273	425	571	2790	580	765	414	317	268	292	265	438
17	273	371	512	2530	516	684	404	317	268	278	304	376
18	270	338	452	1120	483	625	411	313	274	268	414	344
19	271	332	416	787	469	580	1060	310	272	264	369	325
20	271	353	415	657	451	544	1040	308	268	294	450	311
21	270	374	419	585	441	524	8720	305	264	444	376	304
22	271	371	422	532	430	520	22700	301	258	313	315	298
23	272	344	407	500	568	621	15500	303	255	307	298	294
24	275	329	390	500	1940	580	5510	297	257	287	284	290
25	283	324	472	508	1910	548	2160	292	255	279	279	285
26	282	326	1100	548	1780	536	1030	290	253	308	275	282
27	284	329	1290	520	1720	520	754	291	251	276	274	280
28	280	437	806	493	1700	860	612	284	251	299	273	279
29	282	736	579	476	---	1610	528	281	250	304	275	279
30	347	677	496	455	---	1930	476	278	253	295	278	281
31	351	---	444	451	---	1960	---	275	---	300	277	---
TOTAL	8981	10950	16732	32771	24108	50965	74805	10661	7843	9090	9890	11020
MEAN	290	365	540	1057	861	1644	2494	344	261	293	319	367
MAX	479	736	1290	4020	1940	6700	22700	495	274	444	527	884
MIN	261	284	351	403	430	520	404	275	250	259	265	264
CFSM	.58	.73	1.08	2.11	1.72	3.27	4.97	.69	.52	.58	.64	.73
IN.	.67	.81	1.24	2.43	1.79	3.78	5.54	.79	.58	.67	.73	.82
CAL YR 1976	TOTAL	225732	MEAN 617	MAX 7750	MIN 259	CFSM 1.23	IN 16.73					
WTR YR 1977	TOTAL	267816	MEAN 734	MAX 22700	MIN 250	CFSM 1.46	IN 19.85					

PEARL RIVER BASIN

02490500 BOQUE CHITTO NEAR TYLERTOWN, MS--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.60	6.86	7.39	7.15	7.15	8.82	8.91	7.23	6.64	6.57	6.74	6.63
2	6.59	6.76	7.15	7.12	7.16	7.98	8.98	7.24	6.64	6.66	6.97	6.61
3	6.58	6.72	7.04	7.39	7.35	7.70	9.15	7.39	6.62	7.02	7.46	6.59
4	6.59	6.70	6.98	8.23	8.88	13.07	8.23	7.32	6.61	6.65	7.46	6.60
5	6.60	6.69	6.95	8.60	9.49	15.05	9.52	7.19	6.60	6.75	7.09	6.63
6	7.28	6.68	6.96	7.98	8.57	15.71	9.30	7.10	6.60	6.73	6.81	7.48
7	7.06	6.69	7.62	7.70	7.82	14.35	8.24	7.04	6.58	6.62	6.74	8.27
8	6.80	6.69	7.99	7.54	7.53	11.74	7.60	7.00	6.57	6.58	6.70	7.83
9	6.70	6.69	7.48	7.67	7.36	10.14	7.33	6.98	6.56	6.60	6.65	7.16
10	6.66	6.70	7.21	9.89	7.26	8.67	7.17	7.08	6.56	6.67	6.62	7.09
11	6.65	6.73	7.20	10.02	7.19	8.24	7.09	7.05	6.56	6.72	6.61	7.07
12	6.64	6.95	7.28	9.95	7.25	8.51	7.00	6.94	6.56	6.71	6.62	6.94
13	6.63	7.20	7.57	8.46	7.78	9.33	6.94	6.90	6.56	6.64	6.62	6.95
14	6.63	7.20	7.98	11.73	8.23	8.82	6.91	6.87	6.57	6.64	6.61	7.47
15	6.63	7.29	7.76	12.91	7.75	8.05	6.87	6.85	6.60	6.71	6.60	7.27
16	6.64	7.18	7.58	11.39	7.43	7.71	6.85	6.83	6.61	6.72	6.60	7.22
17	6.63	7.01	7.43	11.03	7.26	7.53	6.82	6.82	6.61	6.66	6.76	7.03
18	6.62	6.90	7.26	8.72	7.17	7.40	6.84	6.81	6.64	6.61	7.15	6.92
19	6.63	6.88	7.16	8.04	7.12	7.30	8.33	6.80	6.63	6.60	7.01	6.85
20	6.63	6.96	7.15	7.74	7.07	7.21	8.42	6.79	6.61	6.71	7.26	6.80
21	6.62	7.02	7.17	7.57	7.03	7.16	16.34	6.78	6.60	7.23	7.03	6.77
22	6.63	7.02	7.18	7.44	7.00	7.15	26.32	6.76	6.57	6.81	6.82	6.75
23	6.63	6.92	7.13	7.35	7.29	7.38	23.20	6.76	6.55	6.78	6.75	6.73
24	6.64	6.87	7.07	7.35	10.07	7.30	14.60	6.74	6.56	6.70	6.69	6.71
25	6.68	6.85	7.30	7.36	10.03	7.22	10.46	6.72	6.55	6.66	6.66	6.69
26	6.68	6.86	8.70	7.45	9.82	7.19	8.56	6.71	6.54	6.79	6.65	6.68
27	6.69	6.87	9.08	7.38	9.70	7.15	7.99	6.72	6.53	6.65	6.64	6.67
28	6.67	7.20	8.10	7.30	9.69	7.86	7.67	6.69	6.53	6.75	6.64	6.67
29	6.68	7.95	7.59	7.24	---	9.47	7.47	6.67	6.53	6.77	6.65	6.67
30	6.93	7.81	7.39	7.18	---	10.00	7.33	6.66	6.54	6.73	6.65	6.67
31	6.95	---	7.24	7.16	---	10.06	---	6.65	---	6.75	6.65	---
MEAN	6.70	6.96	7.45	8.39	7.98	9.07	9.55	6.91	6.58	6.72	6.80	6.95
MAX	7.28	7.95	9.08	12.91	10.07	15.71	26.32	7.39	6.64	7.23	7.46	8.27
MIN	6.58	6.68	6.95	7.12	7.00	7.15	6.82	6.65	6.53	6.57	6.60	6.59

PEARL RIVER BASIN

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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 one discharge measurement). 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) above mean sea level. 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 (1928-31, 1938-57), 1,596 ft³/s (45.20 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 19.46 ft (5.93 m) Mar. 21, 1943, present datum; minimum, not determined. 1928-31, 1938-57: Maximum discharge, 50,000 ft³/s (1,416 m³/s) Mar. 21, 1943; minimum, 350 ft³/s (9.91 m³/s) Nov. 6-8, 1938.

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 PERIOD.--July to September 1976: Maximum gage height, 2.46 ft (0.750 m) Aug. 2; minimum, not determined.

Water year 1977: Maximum gage height, 17.75 ft (5.410 m) Apr. 23; minimum, 0.76 ft (0.232 m) Oct. 20.

Discharge measurement made during period July 1976 to September 1977

Date	Discharge (ft ³ /s)
Apr. 22, 1977	26,600

GAGE HEIGHT, IN FEET, JULY TO SEPTEMBER 1976
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1											.98	1.51
2											2.44	1.14
3											1.63	1.03
4											1.76	1.07
5											1.23	1.55
6											1.08	1.33
7											1.06	1.19
8										1.16	1.04	1.08
9										1.09	.98	1.01
10										1.09	.94	.98
11										1.05	.94	.95
12										1.25	.93	.93
13										1.25	.92	.92
14										1.35	.96	.91
15										1.26	.92	.91
16										1.16	.91	.89
17										1.13	.91	.88
18										1.15	.89	.89
19										1.09	.87	.86
20										1.02	.85	.87
21										.98	.86	.88
22										.96	.85	.88
23										1.03	.86	.86
24										.98	.86	.84
25										.86	---	.85
26										.85	---	.85
27										.97	---	.86
28										.94	---	.86
29										1.64	---	.89
30										1.15	---	.86
31										1.01	---	---
MEAN										---	---	.98
MAX										---	---	1.55
MIN										---	---	.84

02491500 BOGUE CHITTO AT FRANKLINTON, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.87	1.09	1.72	1.43	1.42	3.38	4.26	2.42	1.43	---	1.29	1.35
2	.86	1.00	1.45	1.36	1.35	2.61	2.74	2.33	1.47	---	1.37	1.21
3	.85	.93	1.31	1.58	1.34	1.99	2.86	2.77	1.41	---	1.66	1.17
4	.82	.90	1.23	1.91	2.09	4.20	2.73	2.68	1.39	---	1.88	1.16
5	.84	.89	1.19	2.28	2.74	6.11	2.56	2.45	1.37	---	1.74	1.23
6	.89	.89	1.15	2.32	2.91	8.89	3.25	2.22	1.36	---	1.66	2.90
7	1.38	.87	1.92	2.85	2.11	9.83	2.69	2.09	1.34	---	1.38	6.07
8	1.26	.87	2.13	2.20	1.80	8.17	2.03	2.01	1.32	---	1.30	2.96
9	1.06	.86	1.90	1.94	1.61	5.70	1.66	2.36	1.31	---	1.24	2.26
10	.94	.87	1.56	3.56	1.51	3.88	1.47	1.98	1.29	---	1.20	1.91
11	.93	.89	1.45	4.10	1.46	2.92	1.34	1.92	1.28	---	1.21	3.75
12	.91	1.02	1.61	3.74	1.38	3.63	1.25	2.16	1.28	---	1.22	2.40
13	.89	1.14	1.75	3.67	1.46	3.64	1.17	1.95	1.27	---	1.24	2.22
14	.88	1.24	1.98	4.78	1.67	3.89	1.14	1.81	1.27	---	1.20	1.87
15	.88	1.60	2.06	6.37	1.98	3.07	1.10	1.76	---	---	1.18	---
16	.89	1.39	1.90	7.17	1.70	2.37	1.07	1.71	---	---	1.17	---
17	.90	1.26	1.71	5.79	1.52	2.04	1.04	1.68	---	---	1.14	---
18	.89	1.14	1.58	4.76	1.37	1.86	1.03	1.65	---	---	1.36	---
19	.88	1.08	1.46	2.77	1.32	1.71	1.03	1.62	---	---	2.83	---
20	.79	1.13	1.45	2.25	1.28	1.61	4.77	1.60	---	---	1.90	---
21	.77	1.16	1.53	2.00	1.21	1.49	8.39	1.58	---	1.33	1.77	---
22	.77	1.14	1.43	1.80	1.18	1.44	16.98	1.57	---	1.55	1.54	---
23	.78	1.12	1.39	1.69	1.16	1.37	17.20	1.54	---	1.32	1.41	---
24	.78	1.07	1.35	1.63	1.97	1.49	16.93	1.53	---	1.29	1.35	---
25	.85	1.05	1.31	1.60	3.76	1.52	10.53	1.54	---	1.22	1.32	---
26	.85	1.05	2.15	1.50	3.52	1.48	5.25	1.51	---	1.24	1.26	---
27	.82	1.08	2.69	1.55	3.95	1.38	3.79	1.50	---	1.40	1.22	---
28	.82	1.25	2.76	1.51	3.68	1.43	3.16	1.49	---	1.38	1.21	---
29	.81	2.10	2.01	1.41	---	2.16	2.83	1.47	---	1.32	1.22	---
30	1.18	1.99	1.69	1.35	---	3.03	2.59	1.45	---	1.35	1.23	---
31	1.26	---	1.54	1.41	---	4.59	---	1.43	---	1.33	1.36	---
MEAN	.91	1.14	1.69	2.78	1.94	3.36	4.29	1.86	---	---	1.42	---
MAX	1.38	2.10	2.76	8.37	3.95	9.83	17.20	2.77	---	---	2.83	---
MIN	.77	.86	1.15	1.35	1.16	1.37	1.03	1.43	---	---	1.14	---

02492000 BOQUE CHITTO NEAR BUSH, LA

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.

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

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

REMARKS.--Water-discharge records good.

AVERAGE DISCHARGE.--40 years, 1,894 ft³/s (53.64 m³/s), 21.26 in/yr (540 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 57,000 ft³/s (1,610 m³/s) Feb. 23, 1961, gage height, 17.04 ft (5.194 m); minimum, 366 ft³/s (10.4 m³/s) Oct. 22, 23, 26, 29, 1968; minimum gage height, 0.7 ft (0.21 m) Oct. 1, 1937, Oct. 29-31, 1940, Oct. 22-27, 1941.

EXTREMES FOR CURRENT YEAR.--Peak discharge 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)
Jan. 16	2045	9,860 279	10.77 3.283
Mar. 8	1815	11,200 317	11.06 3.371
Apr. 23	0800	*35,600 1010	*14.64 4.462

Minimum discharge, 5.98 ft³/s (16.9 m³/s) Oct. 23, 24; gage height 2.67 ft (0.814 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	629	967	1620	1210	1500	2950	4580	1880	778	856	831	1510
2	618	819	1330	1130	1440	2540	4600	1940	632	723	824	1270
3	610	750	1130	1210	1480	1950	2910	2430	638	795	873	1010
4	605	704	1000	1560	2210	2240	2460	2440	781	1050	1060	902
5	602	681	932	1590	2440	4770	2300	2080	752	912	1120	948
6	600	666	908	1770	2490	8110	2400	1710	735	762	1060	1790
7	826	655	1360	2020	2310	10100	2540	1500	723	759	1010	4200
8	873	652	2120	2340	1790	10900	2120	1380	705	726	876	5810
9	792	646	1900	1920	1510	9820	1710	1330	693	741	801	3670
10	702	643	1510	2070	1380	6260	1500	1400	681	848	783	2870
11	660	646	1280	2880	1290	3860	1410	1250	675	857	814	3110
12	640	687	1280	3140	1230	3090	1360	1210	669	926	901	3400
13	632	783	1460	2970	1220	4290	1340	1350	666	936	1010	2720
14	626	866	1630	3410	1280	4340	1340	1190	672	929	939	2310
15	621	1100	1710	5480	1420	3550	1350	1090	678	960	810	2090
16	626	1180	1720	8990	1430	2710	1370	1040	678	932	765	2410
17	643	1010	1530	8790	1280	2190	1390	997	675	968	732	2480
18	629	897	1370	6490	1180	1950	1420	964	672	866	753	2100
19	621	829	1240	4580	1120	1810	1440	937	666	786	1300	1750
20	626	819	1190	2710	1080	1710	2720	913	726	765	1780	1590
21	621	853	1270	2090	1040	1630	6550	890	792	756	1560	1420
22	615	849	1250	1840	1010	1560	21700	876	717	848	1360	1300
23	600	819	1150	1690	1000	1500	33900	876	681	890	1750	1210
24	607	789	1090	1600	1090	1460	31000	897	658	792	1920	1150
25	646	762	1120	1550	1900	1480	28800	874	648	756	2540	1100
26	646	762	1820	1510	2560	1510	16300	861	639	750	1800	1070
27	640	783	2270	1520	2860	1440	7830	841	633	845	1340	1040
28	623	1190	2290	1580	3170	1420	4140	824	628	985	1210	1020
29	621	1930	2030	1510	---	1580	2700	809	628	1040	1340	1100
30	921	2020	1570	1390	---	2050	2150	792	657	901	1260	1010
31	1120	---	1350	1420	---	2930	---	781	---	873	1300	---
TOTAL	20841	26757	45430	83960	45710	107700	197330	38352	20976	26533	36422	59360
MEAN	672	892	1465	2708	1633	3474	6578	1237	699	856	1175	1979
MAX	1120	2020	2290	8990	3170	10900	33900	2440	638	1050	2540	5810
MIN	600	643	908	1130	1000	1420	1340	781	628	723	732	902
CFSM	.56	.74	1.21	2.24	1.35	2.87	5.44	1.02	.58	.71	.97	1.64
IN.	.64	.82	1.40	2.58	1.41	3.31	6.07	1.18	.64	.82	1.12	1.82
CAL YR 1976	TOTAL	499505	MEAN	1365	MAX	9910	MIN	600	CFSM	1.13	IN	15.36
WTR YR 1977	TOTAL	709371	MEAN	1943	MAX	33900	MIN	600	CFSM	1.61	IN	21.41

PEARL RIVER BASIN

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.79	3.85	5.49	4.48	5.19	7.63	8.97	6.44	3.78	3.95	3.77	5.57
2	2.75	3.42	4.78	4.27	5.05	7.11	8.97	6.54	3.95	3.53	3.76	5.03
3	2.72	3.20	4.26	4.47	5.14	6.13	7.56	7.28	3.96	3.76	3.90	4.37
4	2.70	3.05	3.94	5.16	6.58	6.58	6.99	7.29	3.79	4.49	4.43	4.07
5	2.69	2.97	3.75	5.43	6.97	9.03	6.75	6.79	3.70	4.09	4.58	4.20
6	2.68	2.92	3.68	5.78	7.04	10.34	6.91	6.10	3.65	3.64	4.44	6.05
7	3.42	2.88	4.83	6.26	6.75	10.82	7.11	5.64	3.60	3.63	4.32	8.73
8	3.58	2.87	6.44	6.81	5.84	11.00	6.43	5.36	3.55	3.52	3.93	9.61
9	3.33	2.85	6.03	6.08	5.23	10.75	5.66	5.22	3.51	3.55	3.71	8.27
10	3.04	2.84	5.20	6.33	4.90	9.76	5.20	5.38	3.47	3.90	3.66	7.54
11	2.89	2.85	4.65	7.56	4.67	8.44	4.96	5.03	3.45	3.92	3.76	7.81
12	2.83	2.99	4.66	7.84	4.52	7.79	4.85	4.94	3.43	4.11	4.01	8.09
13	2.80	3.31	5.08	7.67	4.49	8.77	4.81	5.27	3.42	4.14	4.34	7.35
14	2.78	3.56	5.51	8.08	4.65	8.82	4.81	4.88	3.44	4.12	4.13	6.76
15	2.76	4.19	5.66	9.41	5.00	8.21	4.83	4.65	3.45	4.20	3.76	6.39
16	2.78	4.40	5.69	10.56	5.01	7.33	4.87	4.51	3.46	4.12	3.62	6.92
17	2.84	3.96	5.28	10.51	4.65	6.57	4.92	4.40	3.44	4.22	3.51	7.03
18	2.79	3.65	4.87	9.86	4.40	6.14	4.99	4.32	3.43	3.92	3.58	6.40
19	2.76	3.45	4.54	8.94	4.25	5.87	5.05	4.24	3.41	3.68	5.05	5.75
20	2.78	3.42	4.41	7.31	4.14	5.67	7.10	4.18	3.60	3.61	6.18	5.42
21	2.76	3.52	4.62	6.40	4.04	5.50	9.81	4.11	3.81	3.57	5.74	5.00
22	2.74	3.51	4.58	5.93	3.96	5.34	12.70	4.07	3.56	3.86	5.25	4.69
23	2.68	3.42	4.33	5.62	3.94	5.19	14.43	4.07	3.43	3.98	6.12	4.47
24	2.71	3.33	4.17	5.44	4.17	5.08	14.06	4.13	3.35	3.68	6.47	4.31
25	2.85	3.24	4.25	5.33	6.00	5.15	13.75	4.06	3.31	3.56	7.52	4.20
26	2.85	3.24	5.85	5.21	7.13	5.22	11.93	4.03	3.28	3.54	6.19	4.11
27	2.83	3.31	6.70	5.25	7.53	5.04	10.22	3.97	3.25	3.93	5.20	4.03
28	2.77	4.39	6.74	5.41	7.87	4.98	8.70	3.93	3.23	4.23	4.89	3.99
29	2.76	6.08	6.28	5.22	---	5.39	7.58	3.88	3.23	4.37	5.20	4.19
30	3.71	6.27	5.38	4.93	---	6.31	6.89	3.83	3.31	3.98	5.01	3.97
31	4.25	---	4.82	5.00	---	7.56	---	3.79	---	3.90	5.11	---
MEAN	2.92	3.56	5.05	6.53	5.33	7.21	7.73	4.91	3.51	3.89	4.68	5.81
MAX	4.25	6.27	6.74	10.56	7.87	11.00	14.43	7.29	3.96	4.49	7.52	9.61
MIN	2.68	2.84	3.68	4.27	3.94	4.98	4.81	3.79	3.23	3.52	3.51	3.97

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 and 1977.

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

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 130 micromhos Aug. 5; minimum, 28 micromhos or lower several days during winter and spring.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL./100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
OCT 15...	1500	615	51	6.8	21.0	10	5	10.0	2.1	170	540
NOV 19...	0945	827	64	6.9	13.0	10	7	10.2	2.0	810	240
DEC 09...	1500	1840	52	6.4	10.0	60	15	10.4	4.6	4200	5900
JAN 11...	1150	2890	44	6.3	8.0	120	45	10.1	3.5	8400	11000
FEB 25...	1545	2100	45	6.3	17.5	50	25	8.8	4.4	8650	--
MAR 16...	1130	2710	45	6.0	19.5	50	10	8.2	1.8	140	--
APR 06...	1030	2360	50	6.3	18.0	60	10	8.4	1.4	--	--
MAY 06...	1015	1955	51	6.4	23.0	40	15	7.3	2.3	270	--
JUN 22...	1500	855	51	6.8	29.5	20	20	7.3	1.0	817	--
JUL 12...	1600	1080	51	6.4	27.5	15	15	8.3	1.1	300	--
AUG 09...	1050	918	44	6.9	27.5	40	10	7.2	1.3	880	--
SEP 02...	1345	1270	44	6.7	27.0	70	4	6.8	1.4	88	--

DATE	FECAL STREPTOCOCCI KF AGAR (COL. PER 100 ML)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED PHOSPHATE (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
OCT 15...	--	9	0	2.4	.8	5.5	52	.8	1.3	12
NOV 19...	--	8	0	2.2	.7	5.7	54	.9	1.7	11
DEC 09...	--	11	4	1.9	1.5	7.1	53	.9	2.2	8
JAN 11...	--	7	1	1.7	.7	5.4	55	.9	2.1	8
FEB 25...	4200	8	1	2.2	.6	4.0	46	.6	1.7	8
MAR 16...	82	8	1	2.3	.5	4.7	50	.7	1.8	8
APR 06...	88	23	12	7.2	1.1	4.8	30	.4	1.9	13
MAY 06...	330	10	0	2.3	1.1	3.6	38	.5	1.8	12
JUN 22...	78	8	0	1.9	.9	5.4	53	.8	1.5	10
JUL 12...	1000	7	0	2.0	1.1	6.2	54	.9	1.6	9
AUG 09...	--	9	1	2.2	.8	4.5	47	.7	1.6	9
SEP 02...	100	11	2	2.6	1.0	3.5	38	.5	1.6	10

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)
OCT 15...	0	10	3.0	1.0	8.6	.0	11	35	37	.05
NOV 19...	0	9	2.2	3.0	9.2	.0	11	38	39	.05
DEC 09...	0	7	5.1	4.3	9.7	.1	9.2	52	40	.07
JAN 11...	0	7	6.4	3.7	8.2	.1	7.1	--	33	.07
FEB 25...	0	7	7.1	2.4	6.8	.0	7.6	36	30	.05
MAR 16...	0	7	13	2.6	6.2	.0	8.5	--	30	.04
APR 06...	0	11	10	2.6	7.4	.0	9.4	46	41	.06
MAY 06...	0	10	7.6	2.6	6.0	.0	10	44	33	.06
JUN 22...	0	8	2.5	1.1	8.2	.0	10	30	34	.04
JUL 12...	0	7	5.7	.3	7.0	.0	11	40	34	.05
AUG 09...	0	7	1.8	2.7	6.9	.0	11	27	34	.04
SEP 02...	0	8	3.2	3.8	6.2	.0	11	40	35	.05

DATE	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHYTO- PLANK- TON (CELLS PER ML)	SUS- SED. SIEVE DIAM. % FINER THAN .062 MM	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)
OCT 15...	58.7	.13	.15	.28	1.2	.03	47	88	21	35
NOV 19...	84.9	.16	--	--	--	.06	390	82	28	49
DEC 09...	267	.21	.46	.67	3.0	.07	130	54	65	333
JAN 11...	257	.25	.81	1.1	4.7	.08	1200	88	133	1030
FEB 25...	204	.32	.87	1.2	5.3	.12	1600	--	--	--
MAR 16...	220	.18	--	--	--	.07	--	57	84	615
APR 06...	298	.59	.91	1.5	6.6	.11	--	74	71	460
MAY 06...	203	.25	.51	.76	3.4	.08	3300	84	35	162
JUN 22...	69.3	.19	.31	.50	2.2	.05	--	94	16	31
JUL 12...	100	.33	.34	.67	3.0	.08	--	81	24	60
AUG 09...	66.9	.33	.56	.89	3.9	.06	--	76	1210	262
SEP 02...	137	.16	.34	.50	2.2	.08	--	55	42	144

DATE	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CO) (UG/L)	DIS- SOLVED CAD- MIUM (CO) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
OCT 15...	0	0	0	0	10	0	0	0	2	2	540	70
JAN 11...	2	0	0	0	<10	3	2	2	5	5	--	230
APR 06...	1	1	0	0	<10	0	0	0	3	3	1300	180
JUL 12...	3	0	0	0	10	0	0	0	6	6	700	80

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT 15...	5	0	40	30	.1	.1	0	0	20	10	.8
JAN 11...	4	4	210	80	.0	.0	0	0	20	20	9.6
APR 06...	4	0	100	40	.0	.0	0	0	10	10	7.8
JUL 12...	4	2	80	60	.0	.0	0	0	10	0	5.7

DATE	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ATRA- ZINE (UG/L)	ATRA- ZINE IN BOTTOM MATERI- AL (UG/ KG DRY SOLIDS)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)
JAN 11...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	DDT IN BOTTOM MA- TERIAL (UG/KG)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)
JAN 11...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	METHOX- YCHLOR IN BOT- TOM MA- TERIAL (UG/KG)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)
JAN 11...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	2,4-D IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4,5-T (UG/L)	2,4,5-T IN BOTTOM MA- TERIAL (UG/KG)	TOTAL SILVEX (UG/L)	SILVEX IN BOTTOM MA- TERIAL (UG/KG)	SIMA- ZINE TOTAL (UG/L)	SIMA- ZINE IN BOTTOM MATERI- AL (UG/ KG DRY SOLIDS)
JAN 11...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

DATE	TIME	AIR TEMPER- ATURE (DEG C)	WATER TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)	DATE	TIME	AIR TEMPER- ATURE (DEG C)	WATER TEMPER- ATURE (DEG C)	DIS- SOLVED OXYGEN (MG/L)
JAN. 4, 1977...	1410	15.0	7.0	10.4	MAY 5.....	1115	29.5	21.0	8.0
FEB. 8.....	1400	16.5	8.5	--	JUNE 15.....	1210	29.5	27.5	--
FEB. 24.....	1210	27.0	15.0	9.7	JUNE 16.....	0900	34.5	27.0	--
MAR. 3.....	1500	21.5	14.5	9.8	AUG. 30.....	1610	31.0	25.0	--
APR. 7.....	1120	28.5	17.0	--	SEPT. 26.....	1720	35.0	26.0	8.2

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C)* WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	52	45	54	48	54	46	49	49	49	41	45	42
2	53	52	61	53	56	52	50	49	48	47	47	44
3	53	52	55	54	52	51	49	48	48	45	45	44
4	52	51	55	55	54	51	51	47	45	43	45	40
5	51	50	57	55	54	52	50	46	46	43	41	34
6	50	49	56	54	52	47	54	51	55	47	35	30
7	51	49	56	54	47	41	61	51	54	46	31	30
8	51	43	56	55	44	40	51	47	47	46	30	---
9	62	51	55	53	48	40	48	46	48	47	32	29
10	58	50	53	52	55	48	47	45	48	47	36	33
11	53	50	52	51	51	49	48	43	49	48	40	36
12	50	49	51	50	50	49	50	46	49	48	41	38
13	50	49	51	49	49	48	46	41	49	48	40	37
14	50	49	49	45	50	48	40	37	48	47	41	38
15	52	49	58	47	49	47	36	---	50	48	44	41
16	51	46	53	49	52	49	30	---	56	51	45	45
17	47	45	55	50	52	49	29	---	58	51	46	44
18	47	45	58	52	54	52	31	29	50	49	48	46
19	47	46	58	55	53	51	36	31	50	48	48	47
20	44	43	55	52	52	48	39	36	49	47	49	47
21	46	44	---	---	49	47	41	40	48	47	49	48
22	45	43	---	---	48	45	43	42	47	45	50	48
23	45	43	---	---	51	48	44	44	46	45	---	---
24	46	43	49	47	51	50	45	44	47	45	---	---
25	44	43	48	47	50	47	46	45	47	44	---	---
26	47	44	47	44	47	43	47	46	45	40	---	---
27	46	45	44	43	45	43	47	47	47	42	---	---
28	50	46	45	39	55	46	48	47	43	42	---	---
29	48	47	42	39	57	52	49	48	---	---	---	---
30	49	46	48	40	51	48	52	50	---	---	---	---
31	56	47	---	---	49	48	52	49	---	---	---	---
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	47	46	---	---	48	44	46	42	41	39
2	---	---	46	42	---	---	45	43	46	42	40	38
3	---	---	45	41	---	---	45	44	45	42	43	38
4	---	---	45	42	---	---	47	43	42	41	43	42
5	---	---	44	42	---	---	45	43	138	42	42	40
6	---	---	48	44	---	---	60	45	65	44	40	36
7	---	---	49	48	---	---	67	59	60	50	37	31
8	64	42	49	48	---	---	58	48	49	45	38	35
9	55	50	49	48	---	---	49	45	45	43	44	38
10	52	49	48	47	---	---	47	44	43	40	42	40
11	50	49	50	47	---	---	44	42	41	40	41	39
12	49	49	56	48	---	---	45	42	42	40	41	38
13	49	48	49	48	---	---	44	42	42	38	45	41
14	49	49	49	48	---	---	48	42	41	38	46	42
15	49	48	50	48	---	---	46	42	43	40	48	46
16	49	48	49	48	49	45	44	42	44	43	49	46
17	49	48	49	48	49	48	48	44	44	43	46	44
18	49	48	50	49	49	48	48	44	44	43	50	46
19	50	49	49	48	48	48	50	43	43	38	51	49
20	50	36	48	48	49	47	108	53	39	37	51	48
21	39	32	49	48	54	49	78	52	41	37	50	48
22	32	---	49	48	54	52	52	46	48	41	51	49
23	28	---	49	48	55	52	47	43	44	37	51	47
24	28	---	50	48	54	53	48	44	39	35	49	46
25	28	---	50	49	53	52	48	44	37	29	47	44
26	28	---	---	---	52	50	44	42	39	34	45	44
27	38	30	---	---	50	48	46	42	41	39	44	43
28	42	38	---	---	48	46	47	40	42	41	46	44
29	44	42	---	---	47	46	45	38	41	39	45	43
30	46	44	---	---	48	47	43	41	41	40	46	45
31	---	---	---	---	---	---	42	40	42	39	---	---

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	24.5	22.5	16.0	14.5	8.5	8.0	10.5	8.5	7.0	6.5	15.0	13.5
2	24.5	22.0	15.5	14.0	8.5	8.0	8.5	7.5	7.5	6.5	14.5	13.5
3	24.5	22.5	15.5	14.0	9.0	8.0	8.0	7.5	6.5	7.5	15.0	14.0
4	24.5	23.0	15.0	14.0	10.0	8.5	8.5	7.5	9.5	8.5	16.0	15.0
5	24.5	23.0	14.5	13.5	10.5	9.0	10.0	8.5	10.0	9.0	16.0	13.5
6	24.0	22.5	14.0	12.5	11.0	10.0	10.5	10.0	10.0	9.0	13.5	12.5
7	22.5	20.5	14.5	12.5	11.0	11.0	10.5	9.5	9.0	8.0	12.5	12.0
8	20.5	19.0	14.0	12.5	10.5	9.5	9.5	9.0	9.0	8.0	12.5	11.5
9	19.0	17.0	13.5	11.5	10.0	9.0	11.0	9.5	10.0	8.5	12.5	11.5
10	19.0	16.5	14.0	12.5	10.5	10.0	11.0	9.5	10.5	9.5	14.5	12.0
11	19.0	17.0	15.5	13.5	12.0	10.5	9.5	8.0	12.0	10.5	16.5	14.0
12	19.5	18.0	15.0	14.0	13.5	12.0	8.0	7.5	13.5	12.0	18.0	16.5
13	20.0	18.5	14.0	12.5	13.5	12.5	8.0	7.5	14.5	13.5	17.5	17.0
14	20.5	19.0	12.5	11.0	12.5	12.0	10.0	8.0	14.5	13.5	18.0	16.5
15	21.5	19.0	11.0	11.0	12.0	11.5	10.5	10.0	14.0	13.0	18.5	17.5
16	20.0	19.5	11.0	10.5	12.5	11.5	10.0	8.5	13.0	11.0	19.5	18.0
17	19.5	18.5	11.5	11.0	12.0	11.0	8.0	7.0	12.0	10.5	19.5	18.5
18	18.5	17.0	12.5	11.0	12.0	11.0	7.0	6.0	13.5	12.0	20.5	19.0
19	18.5	17.0	13.0	12.0	12.5	11.5	5.5	5.0	14.5	13.0	21.5	20.0
20	18.0	17.0	14.0	13.0	13.5	12.0	7.0	5.0	14.5	13.5	21.0	20.0
21	17.0	15.5	---	---	12.0	10.5	8.0	6.5	14.0	12.5	20.5	19.5
22	16.5	14.5	---	---	10.0	9.0	8.5	7.5	14.0	12.5	19.5	18.0
23	17.0	15.0	---	---	9.0	8.5	9.0	8.5	10.0	14.0	18.0	17.0
24	18.5	16.0	12.0	11.0	9.0	8.0	9.5	8.5	16.5	15.0	17.0	16.0
25	18.5	18.0	12.0	10.5	10.5	9.0	10.0	8.5	16.5	15.5	16.5	15.5
26	18.5	17.5	13.5	12.0	11.5	10.5	9.0	8.5	18.0	16.0	18.0	16.0
27	17.5	16.0	15.0	13.5	11.0	10.5	10.5	9.0	17.5	16.0	18.5	17.5
28	16.0	15.0	15.5	13.5	11.5	10.5	12.0	10.5	16.0	15.0	19.5	18.5
29	15.0	14.0	13.5	10.0	11.5	10.5	11.5	9.5	---	---	20.0	19.0
30	16.5	14.5	9.5	8.5	11.5	10.5	9.5	7.5	---	---	21.0	20.0
31	16.5	15.5	---	---	11.5	10.5	7.5	7.0	---	---	21.0	19.0
DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	19.0	18.5	21.5	21.0	---	---	31.0	28.5	31.0	29.0	27.0	25.5
2	20.5	18.5	21.0	20.5	---	---	30.0	27.5	30.0	28.5	27.5	26.0
3	21.0	20.5	21.5	20.0	---	---	30.5	28.0	30.0	27.5	27.5	26.5
4	21.5	20.5	22.5	21.0	---	---	31.0	29.0	29.5	27.5	27.0	26.5
5	20.5	18.5	24.0	22.0	---	---	31.0	29.0	28.0	26.5	27.0	25.5
6	18.5	17.5	25.0	23.5	---	---	32.0	28.5	28.0	26.5	25.5	25.0
7	19.0	17.5	25.5	24.0	---	---	32.0	30.0	29.0	27.0	25.0	24.5
8	20.0	18.0	26.0	24.5	---	---	32.0	30.0	29.5	27.0	25.5	25.0
9	21.0	19.5	26.0	24.5	---	---	30.5	28.0	31.0	28.0	25.5	25.0
10	21.5	19.5	25.0	24.0	---	---	28.0	27.0	29.5	28.5	25.0	24.5
11	21.5	19.5	24.0	23.0	---	---	27.5	27.0	29.0	27.0	25.0	24.0
12	21.5	19.5	24.5	23.0	---	---	27.5	26.5	27.0	26.5	25.0	24.5
13	22.0	20.0	25.5	23.0	---	---	28.5	26.5	26.0	26.0	24.5	24.0
14	22.5	20.5	24.0	23.0	---	---	29.0	26.5	28.5	27.0	24.5	24.0
15	22.5	20.5	25.0	23.0	---	---	29.5	27.5	30.0	27.5	25.5	24.0
16	23.0	21.0	26.0	23.5	30.5	28.0	28.5	27.5	29.5	28.0	24.0	23.0
17	23.0	21.5	26.0	24.0	31.5	27.5	29.5	27.0	31.5	28.0	25.0	23.5
18	23.0	22.0	26.5	24.5	30.5	28.5	30.0	27.5	30.0	28.0	26.0	25.0
19	22.5	22.0	26.5	24.0	31.0	28.5	31.0	29.0	28.0	26.5	26.0	25.5
20	22.0	19.5	27.0	24.5	30.5	28.5	30.0	28.0	27.0	26.5	25.5	24.5
21	19.5	19.0	26.0	24.5	30.5	28.5	30.5	28.0	27.0	26.5	26.0	24.5
22	19.0	18.5	26.0	24.5	31.0	28.5	31.5	28.5	27.0	26.5	26.5	25.0
23	19.5	19.0	26.5	24.5	32.0	29.0	32.5	29.5	26.0	25.5	26.5	25.0
24	19.5	19.0	26.5	24.5	32.5	30.0	32.5	30.0	25.5	25.0	26.5	25.0
25	19.5	18.5	25.5	25.0	32.5	30.0	32.5	30.0	25.5	24.0	27.0	25.5
26	19.0	18.5	---	---	33.0	30.0	32.0	30.0	27.0	25.5	27.0	26.0
27	19.5	18.5	---	---	32.5	30.0	30.0	29.0	27.0	26.0	27.0	26.0
28	20.0	18.5	---	---	32.0	30.0	30.5	28.5	27.0	26.5	27.5	26.5
29	21.0	19.5	---	---	32.0	29.0	29.5	28.5	26.5	25.0	27.0	26.0
30	21.5	20.0	---	---	32.0	29.5	30.0	28.0	26.5	25.5	27.0	26.0
31	---	---	---	---	---	---	31.0	28.5	27.0	25.5	---	---

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

OCT. 15, 1976 1500 HOURS

PHYTOPLANKTON 47 CELLS/ML

_ORGANISM_NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...SCENEDESMACEAE		
....SCENEDESMUS	19	40
..ZYGNEMATALES		
...DESMIDIACEAE		
....COSMARIUM	5	10
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..PENNALES		
...ACHNANTHACEAE		
....COCCONEIS	5	10
...FRAGILARIACEAE		
....SYNEDRA		0
...GOMPHONEMACEAE		
....GOMPHONEMA	5	10
...NAVICULACEAE		
....NAVICULA	14	30
...PINNULARIA		0

NOV. 19, 1976 0945 HOURS

PHYTOPLANKTON 390 CELLS/ML

_ORGANISM_NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...SCENEDESMACEAE		
....SCENEDESMUS	7	2
..ZYGNEMATALES		
...DESMIDIACEAE		
....CLOSTERIUM	4	1
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCEAE		
....MELOSIRA	18	5
..PENNALES		
...ACHNANTHACEAE		
....COCCONEIS	4	1
...CYMBELLACEAE		
....CYMBELLA	32	8
...FRAGILARIACEAE		
....SYNEDRA	4	1
...NAVICULACEAE		
....NAVICULA	64	17
...NEIDIUM	21	6
...NITZSCHIA		
....NITZSCHIA	46	12
CYANOPHYTA		
.MYXOPHYCEAE		
..OSCILLATORIALES		
...OSCILLATORIAEAE		
....LYNGBYA	100	17
...OSCILLATORIA	82	21

DEC. 9, 1976 1500 HOURS

PHYTOPLANKTON 130 CELLS/ML

_ORGANISM_NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...SCENEDESMACEAE		
....SCENEDESMUS	24	19
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCEAE		
....MELOSIRA	12	10
..PENNALES		
...CYMBELLACEAE		
....EPITHEMIA	6	5
...FRAGILARIACEAE		
....FRAGILARIA	6	5
...SYNEDRA	6	5
...NAVICULACEAE		
....NAVICULA	30	24
...PINNULARIA	6	5
...STAURONEIS	12	10
...NITZSCHIA		
....NITZSCHIA	18	14
...SURIPELLACEAE		
....SURIPELLA	6	5

JAN. 11, 1977 1150 HOURS

PHYTOPLANKTON 1,200 CELLS/ML

_ORGANISM_NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
....ANKISTRODESMUS	47	4
...SCENEDESMACEAE		
....SCENEDESMUS	47	4
..ZYGNEMATALES		
...DESMIDIACEAE		
....CLOSTERIUM	8	1
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCEAE		
....CYCLOTTELLA	8	1
...MELOSIRA	8	1
..PENNALES		
...CYMBELLACEAE		
....CYMBELLA	31	3
...EUNOTIAEAE		
....EUNOTIA	62	5
...FRAGILARIACEAE		
....FRAGILARIA	31	3
...SYNEDRA	23	2
...GOMPHONEMACEAE		
....GOMPHONEMA	70	6
...NAVICULACEAE		
....FRUSTULIA		0
....NAVICULA	310	26
...PINNULARIA	39	3
...NITZSCHIAEAE		
....NITZSCHIA	54	4
...SURIPELLACEAE		
....SURIPELLA	8	1
CHRYSOPHYCEAE		
..CHRYSONOMADALES		
...OCHROMONADACEAE		
....DINOBRYON	8	1
CYANOPHYTA		
.MYXOPHYCEAE		
..CHROOCOCCALES		
...CHROOCOCCACEAE		
....ANACYSTIS	8	1
...OSCILLATORIALES		
...OSCILLATORIAEAE		
....OSCILLATORIA	450	37

02492000 BOGUE CHITTO NEAR BUSH, LA--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

FEB. 25, 1977 1545 HOURS

PHYTOPLANKTON 1,600 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
....ANKISTRODESMUS	41	3
...SCENEDESMACEAE		
....SCENEDESMUS	330	21
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISACEAE		
....MELOSIRA	120	8
..PENNALES		
...CYMBELLACEAE		
....CYMBELLA	41	3
...FRAGILARIACEAE		
....SYNEDRA	250	15
...GOMPHONEMACEAE		
....GOMPHONEMA	210	13
...NAVICULACEAE		
....NAVICULA	120	8
....PINNULARIA	41	3
...NITZSCHACEAE		
....NITZSCHIA	410	26
...SURIPELLACEAE		
....SURIPELLA	41	3

MAY 6, 1977 1015 HOURS

PHYTOPLANKTON 3,300 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...COELASTRACEAE		
....COELASTRUM	350	11
...MICRACTINIACEAE		
....MICRACTINIUM	140	4
...OOCYSTACEAE		
....ANKISTRODESMUS	87	3
...DICTYOSPHAERIUM	700	21
...NEPHROCYTIUM	100	3
...SCENEDESMACEAE		
....ACTINASTRUM	35	1
...CRUCIGENIA	210	6
...SCENEDESMUS	850	26
...TETRASTRUM	35	1
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..PENNALES		
...FRAGILARIACEAE		
....SYNEDRA		31
...NAVICULACEAE		
....NAVICULA	9	0
...NITZSCHACEAE	35	1
.CHRYSOPHYCEAE		
...CHRYSOMONADALES		
...OCHROMONADACEAE		
....DINOBRYON	9	0
CYANOPHYTA		
.MYXOPHYCEAE		
..OSCILLATORIALES		
...OSCILLATORIACEAE		
....LYNGBYA	87	3
...OSCILLATORIA	640	19
EUGLENOPHYTA		
.CRYPTOPHYCEAE		
...CRYPTOMONIDALES		
...CRYPTOCHRYSIDACEAE		
....CHROOMONAS	9	0

PEARL RIVER BASIN

02492600 PEARL RIVER AT PEARL RIVER, LA

LOCATION (REVISED).--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 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 records October 1899 to May 1906 (collected by Southern Railway System) are in files of National Weather Service, Meridian, Miss.

GAGE.--Water-stage recorder. Datum of gage is 0.36 ft (0.110 m) above mean sea level.

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 (1963-70) 9,470 ft³/s (268.2 m³/s), 14.97 in/yr (380 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 114,700 ft³/s (3,250 m³/s) Feb. 18, 1966, gage height, 17.61 ft (5.368 m); minimum daily, 1,580 ft³/s (44.7 m³/s) Oct. 24, Nov. 10, 1963. Maximum stage reported by National Weather Service, 18.6 ft (5.669 m) Mar. 16, 1921; maximum stage reported by the Southern Railway System, 19.7 ft (6.005 m) Apr. 19, 1900.

EXTREMES OUTSIDE PERIOD OF RECORD.--Flood of 1874 reached a stage of 20.2 ft (6.157 m), furnished by Corps of Engineers.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 17.11 ft (5.215 m) Apr. 24; minimum, 3.04 ft (0.927 m) Oct. 4.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.26	5.02	8.20	9.59	12.31	10.94	13.29	12.32	4.69	3.22	4.62	5.55
2	3.20	5.06	8.04	9.40	11.52	11.20	13.50	11.51	4.70	3.52	4.81	5.52
3	3.10	4.64	7.20	9.36	10.80	11.10	13.68	11.47	4.76	3.59	5.40	5.19
4	3.05	4.20	6.36	9.36	10.56	11.16	13.29	11.14	4.81	3.68	5.90	5.03
5	3.18	3.92	5.96	9.54	10.22	11.42	12.79	10.90	4.70	3.86	6.38	4.75
6	3.39	3.76	5.80	9.80	10.28	12.39	12.80	10.50	4.50	3.90	6.74	5.87
7	3.22	3.64	6.00	10.24	10.38	12.69	13.12	9.78	4.29	3.64	6.98	7.71
8	3.38	3.62	6.68	10.42	10.34	14.44	13.48	9.36	4.24	3.60	7.08	8.43
9	3.76	4.04	7.78	10.59	9.90	14.90	13.62	9.14	4.20	3.59	6.82	9.41
10	4.02	4.30	8.40	10.62	9.40	15.22	13.70	8.74	4.03	3.60	6.56	9.51
11	3.84	4.40	8.20	10.31	8.86	15.31	13.88	8.40	3.92	3.80	6.36	8.99
12	3.60	4.40	7.60	10.46	8.44	15.38	14.12	8.18	3.80	4.09	6.39	8.75
13	3.52	4.28	7.32	11.09	8.12	15.38	14.38	7.86	3.78	4.58	6.30	8.81
14	3.48	4.36	7.54	12.16	7.90	15.50	14.60	7.58	3.78	4.80	6.04	8.79
15	3.60	4.58	7.96	13.04	7.78	15.66	14.80	7.20	3.78	5.00	5.70	8.41
16	3.74	4.88	8.22	13.74	7.80	15.70	14.98	6.86	3.74	5.38	5.18	8.81
17	4.10	5.46	8.26	14.38	8.19	15.58	15.16	6.58	3.76	5.70	4.74	8.88
18	3.90	5.48	8.06	14.80	8.58	15.40	15.29	6.44	3.72	5.80	4.40	9.29
19	3.82	5.20	7.74	14.88	8.56	15.30	15.48	6.27	3.68	5.62	4.30	9.27
20	3.78	5.14	7.48	14.72	8.28	15.22	15.54	6.10	3.80	5.20	4.76	8.86
21	3.46	5.16	7.20	14.44	7.94	15.20	15.80	5.90	3.79	4.72	5.74	8.56
22	3.30	5.14	7.18	14.20	7.74	15.18	16.10	5.70	4.08	4.58	5.84	8.38
23	3.28	5.10	7.30	14.00	7.62	15.10	16.57	5.50	4.19	4.50	5.70	8.11
24	3.24	4.90	7.38	13.90	7.50	14.98	17.08	5.42	4.01	4.48	6.19	7.81
25	3.48	4.60	7.48	13.78	7.38	14.80	16.96	5.40	3.71	4.30	6.74	7.53
26	3.52	4.38	8.08	13.68	7.78	14.60	16.70	5.25	3.51	4.11	7.00	7.14
27	3.58	4.36	8.74	13.64	9.02	14.40	16.28	5.17	3.34	4.09	6.69	6.66
28	3.56	4.78	9.54	13.60	10.28	14.30	15.72	5.10	3.29	4.00	5.84	6.22
29	3.59	6.12	9.92	13.48	---	14.20	15.01	4.97	3.28	4.12	5.46	5.96
30	4.16	7.42	9.98	13.22	---	14.06	13.80	4.82	3.22	4.50	5.48	6.00
31	4.54	---	9.82	12.91	---	13.64	---	4.70	---	4.72	5.44	---
MEAN	3.57	4.74	7.79	12.24	9.05	14.20	14.72	7.56	3.97	4.33	5.86	7.61
MAX	4.54	7.42	9.98	14.88	12.31	15.70	17.08	12.32	4.81	5.80	7.08	9.51
MIN	3.05	3.62	5.80	9.36	7.38	10.94	12.79	4.70	3.22	3.22	4.30	4.75

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.--1,128,900 mi² (2,924,000 km²), contributing.

PERIOD OF RECORD.--October 1972 to September 1976. 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 at mean sea level.

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

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

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 1976: Maximum discharge, 721,000 ft³/s (20,400 m³/s) Mar. 17, elevation, 41.61 ft (12.683 m); minimum daily, 160,000 ft³/s (4,530 m³/s) Sept. 26.

RECORDS FOR THE 1977 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 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	325000	441000	330000	425000	412000	670000	558000	407000	360000	356000	262000	177000
2	331000	424000	327000	418000	413000	672000	576000	414000	350000	360000	266000	170000
3	327000	404000	326000	429000	419000	682000	594000	422000	341000	360000	270000	173000
4	329000	390000	328000	448000	431000	690000	613000	430000	345000	360000	270000	176000
5	332000	374000	334000	476000	447000	697000	632000	441000	346000	360000	271000	181000
6	330000	367000	341000	514000	471000	702000	618000	439000	347000	363000	271000	183000
7	342000	364000	351000	549000	491000	707000	602000	450000	360000	372000	268000	189000
8	347000	343000	370000	571000	506000	709000	585000	466000	373000	388000	266000	195000
9	346000	327000	393000	599000	513000	708000	593000	472000	386000	394000	265000	199000
10	325000	314000	421000	622000	514000	691000	601000	471000	400000	392000	261000	188000
11	303000	316000	440000	642000	506000	687000	606000	471000	405000	395000	255000	178000
12	285000	324000	442000	660000	491000	694000	607000	467000	406000	394000	249000	172000
13	270000	323000	440000	673000	464000	694000	587000	466000	399000	395000	241000	168000
14	255000	307000	431000	676000	435000	697000	580000	464000	386000	391000	232000	166000
15	259000	299000	424000	674000	407000	708000	573000	459000	372000	381000	223000	165000
16	282000	296000	421000	674000	379000	717000	556000	448000	358000	374000	216000	163000
17	307000	293000	416000	668000	358000	716000	534000	435000	343000	369000	212000	162000
18	310000	294000	412000	650000	357000	704000	506000	429000	321000	363000	221000	166000
19	309000	294000	403000	628000	360000	687000	477000	423000	304000	361000	230000	169000
20	307000	296000	394000	592000	365000	667000	450000	414000	287000	354000	223000	169000
21	303000	303000	386000	557000	379000	650000	423000	394000	274000	347000	212000	168000
22	297000	317000	380000	528000	409000	638000	403000	384000	277000	342000	203000	164000
23	295000	337000	377000	509000	452000	615000	378000	382000	278000	338000	200000	163000
24	300000	358000	385000	497000	498000	594000	363000	383000	279000	331000	201000	163000
25	310000	373000	399000	491000	547000	582000	358000	386000	286000	322000	203000	162000
26	341000	377000	412000	494000	597000	574000	359000	392000	296000	312000	202000	160000
27	373000	374000	419000	482000	628000	562000	375000	399000	309000	296000	203000	161000
28	399000	366000	422000	465000	651000	555000	385000	400000	328000	281000	204000	168000
29	428000	355000	420000	445000	666000	552000	396000	393000	339000	267000	204000	168000
30	454000	341000	423000	427000	---	549000	404000	379000	348000	261000	197000	170000
31	452000	---	425000	413000	---	561000	---	369000	---	259000	187000	---
TOTAL	10173000	10291000	12192000	16896000	13566000	20331000	15292000	13149000	10203000	10838000	7188000	5156000
MEAN	328200	343000	393300	545000	467800	655800	509700	424200	340100	349600	231900	171900
MAX	454000	441000	442000	676000	666000	717000	632000	472000	406000	395000	271000	199000
MIN	255000	293000	326000	413000	357000	549000	358000	369000	274000	259000	187000	160000
AC-FT	20180000	20410000	24180000	33510000	26910000	40330000	30330000	26080000	20240000	21500000	14260000	10230000
CAL YR 1975	TOTAL	205452000	MEAN	562900	MAX	1220000	MIN	230000	AC-FT	407600000		
WTR YR 1976	TOTAL	145275000	MEAN	396900	MAX	717000	MIN	160000	AC-FT	288200000		

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 (428.0 km).

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 current year.

CHLORIDE: October 1974 to current year.

REMARKS.--See records of daily discharge for Mississippi River at Tarbert Landing, Miss. (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; minimum, 1.0°C Jan. 29, 30, 1961.

SULFATE: Maximum, 90 mg/L Oct. 14, 1957; minimum, 27 mg/L Feb. 8, 1975.

CHLORIDE: Maximum, 63 mg/L July 5, 1977; minimum, 10 mg/L Apr. 16, 17, 19-21, 1975.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 567 micromhos June 19; minimum, 253 micromhos Apr. 23.

WATER TEMPERATURES: Maximum, 31.0°C July 22-27; minimum, 2.0°C Jan. 19-22, 25, 27.

SULFATE: Maximum, 88 mg/L Oct. 24; minimum, 29 mg/L Feb. 2.

CHLORIDE: Maximum, 63 mg/L July 5; minimum, 13 mg/L Apr. 23.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL./100 ML)	FECAL COLIFORM (COL./100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
OCT 27...	1015	457	7.6	15.5	5	55	9.4	10	2.9	2700	B50	--
NOV 03...	1200	411	7.9	13.5	5	30	9.0	7	2.0	800	280	948
DEC 01...	1015	412	7.5	8.5	30	20	10.9	6	2.5	--	--	360
JAN 10...	1330	--	7.6	4.5	40	55	12.6	15	4.9	2300	840	2700
FEB 07...	1130	345	7.9	3.5	15	30	12.1	7	--	150	B16	--
MAR 03...	1000	386	7.6	10.0	30	45	10.2	23	3.1	330	B110	--
APR 04...	1115	275	7.7	16.5	50	70	8.8	26	1.6	B250	--	--
MAY 02...	1200	314	7.7	22.0	30	75	8.0	20	1.0	--	--	--
JUN 01...	0930	424	7.9	27.5	20	10	8.0	19	3.2	B16	<5	--
JUL 13...	1300	352	7.7	29.0	5	70	6.9	15	.6	--	B2200	--
AUG 08...	1150	414	8.2	30.0	20	25	7.6	14	2.2	B53	0	--
SEP 02...	0900	410	7.7	26.0	20	50	7.0	25	1.5	640	--	--

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	FECAL STREP- TUCOCCI KF AGAR (COL. PER 100 ML)	HARD- NESS (CA,MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LITY AS CACO3 (MG/L)
OCT 27...	--	160	65	42	13	28	27	1.0	3.4	116	0	95
NOV 03...	--	150	49	39	13	24	25	.9	3.2	124	0	102
DEC 01...	--	150	40	41	12	22	24	.8	2.9	136	0	112
JAN 10...	--	140	48	35	13	32	32	1.2	3.2	122	0	93
FEB 07...	42	130	29	36	10	17	22	.6	2.5	125	0	100
MAR 03...	260	140	50	37	12	21	24	.8	3.1	112	0	92
APR 04...	60	100	28	28	7.3	13	22	.6	1.9	88	0	72
MAY 02...	93	130	40	36	9.6	13	17	.5	3.2	110	0	90
JUN 01...	<5	140	34	39	11	18	21	.7	3.1	132	0	110
JUL 13...	190	140	36	39	10	25	28	.9	3.3	125	0	100
AUG 08...	32	150	39	42	12	23	24	.8	3.4	140	0	110
SEP 02...	868	130	40	37	10	21	25	.8	3.7	114	0	94

DATE	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	SUS- PENDED SOLIDS (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
OCT 27...	4.7	81	32	.2	3.8	272	261	.37	112	<1.0	1.3	.01
NOV 03...	2.5	66	22	.3	5.2	224	234	.30	74	<1.0	.92	.01
DEC 01...	6.9	58	21	.3	5.6	247	230	.34	26	<1.0	.58	.01
JAN 10...	4.9	56	42	.2	6.8	255	244	.35	97	<1.0	.52	.02
FEB 07...	2.5	38	19	.2	4.8	196	189	.27	57	<1.0	.56	.01
MAR 03...	4.5	51	25	.2	6.1	246	211	.33	102	<1.0	.72	.02
APR 04...	2.8	29	21	.1	4.9	169	149	.23	108	<1.0	1.1	.02
MAY 02...	3.5	44	13	.1	5.8	200	179	.27	177	<1.0	.91	.01
JUN 01...	2.7	50	18	.2	6.3	246	211	.33	84	<1.0	1.6	.01
JUL 13...	4.0	46	31	.2	4.5	221	221	.30	180	<1.0	.79	.01
AUG 08...	1.4	65	21	.3	2.4	236	238	.32	175	<1.0	.62	.02
SEP 02...	3.6	62	24	.2	5.6	218	220	.30	126	<1.0	1.1	.01

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL- NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)
OCT 27...	1.3	.69	.45	2.0	8.8	.11	3	1	--	--	0	0
NOV 03...	.93	.87	.40	1.8	8.0	.31	1	1	--	--	0	0
DEC 01...	.59	--	.58	--	--	.09	2	1	--	--	0	0
JAN 10...	.54	1.1	.82	1.6	7.3	.22	4	3	--	--	0	0
FEB 07...	.57	.62	.53	1.2	5.3	.11	2	2	--	--	0	0
MAR 03...	.74	1.3	.98	2.0	9.0	.35	2	1	0	0	0	0
APR 04...	1.1	.70	.40	1.8	8.0	.18	3	1	0	0	0	0
MAY 02...	.92	.80	.71	1.7	7.6	.26	4	1	0	0	0	0
JUN 01...	1.6	.53	.39	2.1	9.4	.15	2	2	0	0	0	0
JUL 13...	.80	.82	.39	1.6	7.2	.31	2	2	0	0	0	0
AUG 08...	.64	.44	.27	1.1	4.8	.16	2	1	0	0	0	0
SEP 02...	1.1	.59	.19	1.7	7.5	.80	4	1	10	10	1	1

DATE	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)
OCT 27...	<10	0	0	2	0	8	6	2400	40	8	3	170
NOV 03...	30	0	0	6	0	15	0	210	20	14	0	50
DEC 01...	10	--	0	--	--	3	3	--	10	2	2	--
JAN 10...	10	5	0	3	0	12	8	6300	30	6	0	240
FEB 07...	<10	--	0	--	--	5	2	--	20	3	0	--
MAR 03...	40	--	0	--	--	8	4	--	30	10	0	--
APR 04...	10	2	0	2	0	8	7	5400	90	31	0	150
MAY 02...	<10	--	0	--	--	8	4	--	20	4	0	--
JUN 01...	10	--	0	--	--	7	7	--	20	6	6	--
JUL 13...	20	0	0	3	0	10	4	6600	20	10	0	250
AUG 08...	0	--	0	--	--	17	3	--	30	3	0	--
SEP 02...	10	0	0	<50	1	9	4	3200	20	8	0	220

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED VANA- DIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)
OCT 27...	10	.0	.0	18	3	1	0	--	40	10	5.4	.00
NOV 03...	10	.1	.0	14	2	1	0	--	50	0	2.2	.00
03...	--	--	--	--	--	--	--	--	--	--	--	--
30...	--	--	--	--	--	--	--	--	--	--	5.2	--
DEC 01...	--	.3	.1	5	4	--	--	--	90	30	5.8	.00
JAN 10...	40	.0	.0	10	2	1	1	--	30	10	7.8	.00
FEB 07...	--	.0	.0	5	2	--	--	--	20	0	2.6	.00
07...	--	--	--	--	--	--	--	--	--	--	--	--
MAR 03...	--	.0	.0	7	2	0	0	.0	20	10	5.0	.00
APR 04...	0	.0	.0	9	0	0	0	.0	20	0	--	.00
MAY 02...	--	.0	.0	8	0	0	0	2.0	20	10	--	.00
JUN 01...	--	.0	.0	50	3	0	0	.0	50	20	4.9	.00
13...	--	--	--	--	--	--	--	--	--	--	6.0	--
JUL 13...	10	.0	.0	24	8	0	0	4.0	30	0	10	.00
AUG 08...	--	.1	.0	11	3	7	2	.0	10	0	4.1	.00
SEP 02...	200	.0	.0	10	3	1	1	.3	20	10	7.5	.00

DATE	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	ATRA- ZINE IN BOTTOM MATERI- AL (UG/ KG DRY SOLIDS)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	P,P' DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)
OCT 27...	1	0	.0	.00	.00	--	--	.0	--	.00	--	.00
NOV 03...	1	0	.0	.00	.00	--	--	.0	--	.00	--	.00
03...	--	--	--	--	ND	ND	ND	ND	ND	ND	2.0	ND
30...	--	--	--	--	--	--	--	--	--	--	--	--
DEC 01...	3	0	.0	.00	.00	--	--	.0	--	.00	--	.00
JAN 10...	3	0	.0	.00	.00	--	--	.0	--	.00	--	.00
FEB 07...	11	--	.0	.00	.00	--	--	.0	--	.00	--	.00
07...	--	--	ND	ND	ND	--	--	ND	--	ND	--	ND
MAR 03...	4	0	.0	.00	.00	--	--	.0	--	.00	--	.00
APR 04...	0	16	.0	.00	.00	--	--	.0	--	.00	--	.00
MAY 02...	2	0	.0	.00	.00	--	--	.0	--	.02	--	.00
JUN 01...	0	4	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
JUL 13...	0	10	.0	.00	.000	--	--	.0	--	.000	--	.000
AUG 08...	1	0	.0	.00	.000	--	--	.0	--	.000	--	.000
SEP 02...	4	0	.0	.00	.000	--	--	.0	--	.000	--	.000

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	P,P' DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)
OCT 27...	--	.01	--	.01	--	.00	--	--	.00	--	.00	--
NOV 03...	--	.00	--	.06	--	.00	--	--	.00	--	.00	--
03...	ND	ND	.6	ND	ND	ND	ND	--	ND	ND	ND	ND
30...	--	--	--	--	--	--	--	--	--	--	--	--
DEC 01...	--	.00	--	.01	--	.00	--	--	.00	--	.00	--
JAN 10...	--	.00	--	.00	--	.00	--	--	.00	--	.00	--
FEB 07...	--	.00	--	.00	--	.00	--	--	.00	--	.00	--
07...	--	ND	--	ND	--	ND	--	--	ND	--	ND	--
MAR 03...	--	.00	--	.02	--	.00	--	--	.00	--	.00	--
APR 04...	--	.00	--	.20	--	.00	--	--	.00	--	.00	--
MAY 02...	--	.01	--	.00	--	.00	--	--	.00	--	.00	--
JUN 01...	--	--	--	.00	--	--	--	--	--	--	.00	--
13...	--	--	--	--	--	--	--	--	--	--	--	--
JUL 13...	--	.000	--	.00	--	.000	--	.000	.000	--	.00	--
AUG 08...	--	.000	--	.03	--	.010	--	.000	.000	--	.00	--
SEP 02...	--	.000	--	.01	--	.005	--	.000	.003	--	.00	--

DATE	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	METHOX- YCHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)
OCT 27...	.00	--	.00	--	.00	--	.00	--	--	--	.00
NOV 03...	.00	--	.00	--	.00	--	.00	--	--	--	.00
03...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
30...	--	--	--	--	--	--	--	--	--	--	--
DEC 01...	.00	--	.00	--	.00	--	.00	--	--	--	.00
JAN 10...	.00	--	.00	--	.00	--	.00	--	--	--	.00
FEB 07...	.00	--	.00	--	.00	--	.00	--	ND	--	.00
07...	ND	--	ND	--	ND	--	ND	--	--	--	ND
MAR 03...	.00	--	.00	--	.00	--	.00	--	--	--	.00
APR 04...	.00	--	.00	--	.00	--	.00	--	.00	--	.00
MAY 02...	.00	--	.00	--	.00	--	.00	--	--	--	.00
JUN 01...	--	--	--	--	--	--	.00	--	--	--	.00
13...	--	--	--	--	--	--	--	--	--	--	--
JUL 13...	.000	--	.000	--	.000	--	.00	--	.00	--	.00
AUG 08...	.000	--	.001	--	.000	--	.00	--	.00	--	.01
SEP 02...	.000	--	.001	--	.000	--	.00	--	.00	--	.00

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)
OCT 27...	--	.00	--	.00	.00	--	0	--	.00	--	.00
NOV 03...	--	.00	--	.00	.00	--	0	--	.00	--	.02
03...	ND	ND	ND	--	ND	ND	ND	ND	ND	ND	ND
30...	--	--	--	--	--	--	--	--	--	--	--
DEC 01...	--	.00	--	.00	.00	--	0	--	.00	--	.07
JAN 10...	--	.00	--	.00	.00	--	0	--	.00	--	.09
FEB 07...	--	.00	--	.00	.00	--	0	--	.00	--	.07
07...	--	ND	--	ND	ND	--	ND	--	ND	--	ND
MAR 03...	--	.00	--	.00	.00	--	0	--	.00	--	.13
APR 04...	--	.00	--	.00	.00	--	0	--	.00	--	.00
MAY 02...	--	.00	--	.00	.00	--	0	--	.00	--	.00
JUN 01...	--	.00	--	--	.00	--	--	--	.00	--	.00
13...	--	--	--	--	--	--	--	--	--	--	--
JUL 13...	--	.00	--	.00	.00	--	0.0	--	.00	--	.00
AUG 08...	--	.00	--	.00	.00	--	0.0	--	.00	--	.03
SEP 02...	--	.00	--	.00	.00	--	0.0	--	.00	--	.01

DATE	2,4-D IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4,5-T (UG/L)	2,4,5-T IN BOTTOM MA- TERIAL (UG/KG)	TOTAL SILVEX (UG/L)	SILVEX IN BOTTOM MA- TERIAL (UG/KG)	SIMA- ZINE TOTAL (UG/L)	SIMA- ZINE IN BOTTOM MATERI- AL (UG/ KG DRY SOLIDS)	TOTAL PHYTO- PLANK- TON (CELLS PER ML)
OCT 27...	--	.04	--	.00	--	--	--	8200
NOV 03...	--	.00	--	.00	--	--	--	1600
03...	ND	ND	ND	ND	ND	ND	ND	--
DEC 01...	--	.00	--	.00	--	--	--	2900
JAN 10...	--	.08	--	.00	--	--	--	--
FEB 07...	--	.00	--	.00	--	--	--	8000
07...	--	ND	--	ND	--	ND	--	--
MAR 03...	--	.05	--	.00	--	--	--	3200
APR 04...	--	.00	--	.00	--	--	--	1300
MAY 02...	--	.00	--	.00	--	--	--	--
JUN 01...	--	.00	--	.00	--	--	--	1100
JUL 13...	--	.00	--	.00	--	--	--	2900
AUG 08...	--	.04	--	.01	--	--	--	--
SEP 02...	--	.02	--	.01	--	--	--	--

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

SPECIAL ANALYSES FOR ORGANIC COMPOUNDS

The following data are from samples collected for analysis of both volatile and semi-volatile organic compounds. Techniques and methodology are discussed in the Introduction.

<u>COMPOUND</u>		<u>CONCENTRATION (UG/L)</u>
NOVEMBER 30, 1976		
VOLATILE	ACETONE	2.30
SEMI-VOLATILE	TETRAMETHYL HEXANE	1.58
	CONIFERYL ALCOHOL	0.08
	DIBUTYL PHTHALATE*	2.80
	HYDROCARBON IMPURITY	0.14
	DIOCTYL PHTHALATE*	1.04
	BUTYL BENZYL PHTHALATE	0.21
JUNE 13, 1977		
VOLATILE	BENZENE	0.85
	TETRACHLOROETHYLENE	1.8
	TOLUENE	4.8
	CHLOROFORM	2.8
SEMI-VOLATILE BASE-NEUTRAL EXTRACTION	DIBUTYL PHTHALATE*	2.2
	ATRAZINE	2.6
	BIS(2-ETHYLHEXYL) PHTHALATE*	1.1
ACID EXTRACTION	ATRAZINE	1.4
	BIS(2-ETHYLHEXYL) PHTHALATE*	0.24

* Possible contaminant from laboratory.

DATE	TIME	SAMP- LING DEPTH (FT)	CROSS SECTION LOC- ATION (FT)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	DATE	TIME	SAMP- LING DEPTH (FT)	CROSS SECTION LOC- ATION (FT)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)
NOV					MAY				
08...	1200	8.0	20.0	17800	02...	1120	10	20.0	24600
08...	1205	22	1000	3780	02...	1130	36	1000	4100
08...	1210	30	2000	2790	02...	1135	31	2000	4700
08...	1215	41	3000	2230	02...	1145	41	3000	3500
08...	1220	13	3185	25200	02...	1155	14	3185	18400

MISSISSIPPI RIVER MAIN STEM

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

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	450	444	418	380	313	429	297	306	374	515	411	410
2	451	443	414	382	315	417	291	305	384	516	406	400
3	459	424	425	387	324	406	284	318	398	511	407	405
4	459	409	421	388	335	385	279	330	399	548	420	396
5	460	415	422	399	338	383	292	332	409	560	420	413
6	451	402	418	401	344	369	274	334	418	525	409	412
7	469	382	436	407	350	373	275	331	420	497	414	396
8	467	360	437	417	350	357	275	334	421	500	419	396
9	463	359	426	420	372	350	289	332	425	484	426	391
10	464	368	416	414	372	349	285	328	449	454	430	401
11	463	361	426	411	380	350	266	321	455	401	430	402
12	433	356	427	370	389	336	263	323	461	400	432	408
13	434	360	412	372	389	321	271	335	480	405	443	409
14	432	361	407	374	386	295	275	337	504	404	453	408
15	434	373	394	361	385	295	274	335	551	418	461	422
16	436	381	394	341	391	295	275	331	548	423	470	443
17	433	380	393	339	428	276	276	343	565	422	477	441
18	436	379	411	344	428	270	282	351	565	422	459	434
19	445	381	411	345	431	269	282	374	567	401	459	424
20	489	380	407	339	426	265	291	358	495	396	465	405
21	490	383	395	338	429	268	290	358	495	396	449	379
22	490	402	385	338	433	273	274	350	495	401	458	379
23	485	401	385	328	419	274	253	351	461	404	456	366
24	495	405	375	315	412	278	254	350	448	406	436	366
25	484	404	371	310	446	273	264	358	452	409	440	372
26	471	405	381	308	446	261	266	370	445	414	442	384
27	467	411	381	304	445	262	272	376	454	422	438	386
28	456	413	380	315	446	266	280	380	462	424	436	386
29	457	413	378	302	---	275	287	384	506	427	439	386
30	444	410	375	303	---	288	294	378	507	429	427	385
31	441	---	370	310	---	291	---	375	---	417	413	---

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.0	14.0	8.5	6.0	3.0	---	15.0	20.0	27.0	28.5	30.0	28.0
2	24.0	14.0	8.5	5.0	4.0	---	15.5	20.0	27.0	28.5	29.5	28.0
3	24.0	13.5	8.0	5.0	4.5	---	15.5	20.0	27.0	28.5	29.0	28.0
4	23.5	13.5	8.5	5.0	4.5	---	15.5	20.0	27.0	29.0	28.5	28.0
5	23.5	13.0	8.5	5.5	5.0	---	15.5	20.0	27.5	29.0	29.0	28.0
6	23.5	13.0	8.5	5.0	5.0	---	15.5	20.0	27.5	29.0	29.0	27.5
7	22.0	13.0	8.0	5.0	5.5	9.0	16.5	21.0	27.5	29.0	29.0	28.0
8	22.0	13.0	8.0	5.0	5.5	9.5	15.5	22.0	27.5	29.0	29.0	28.0
9	20.0	13.0	8.5	5.0	5.5	9.5	15.5	22.0	27.5	29.0	29.5	28.0
10	20.0	13.0	8.5	4.5	6.0	10.0	15.5	21.0	27.5	28.5	29.5	28.0
11	20.0	13.0	8.5	4.5	6.0	10.0	16.5	22.0	27.5	28.0	29.5	28.0
12	20.0	12.0	8.0	4.5	6.5	10.0	16.5	22.0	27.5	28.0	29.0	28.0
13	20.0	11.0	8.0	4.5	6.5	10.5	16.0	22.0	27.5	28.0	29.5	28.0
14	20.0	10.5	8.0	4.5	6.5	10.5	16.0	22.0	27.0	28.0	29.5	28.0
15	20.0	10.0	8.5	4.0	6.5	11.0	16.0	22.0	27.0	28.5	29.5	27.0
16	20.0	10.0	8.5	4.0	6.0	11.5	16.5	22.5	27.0	28.5	29.5	27.5
17	19.0	10.0	8.5	3.0	6.5	12.0	17.0	22.5	27.0	29.5	29.5	27.5
18	19.0	10.0	8.5	3.0	7.0	12.5	17.0	22.5	27.0	30.0	29.5	27.0
19	19.0	10.0	8.5	2.0	7.5	13.0	17.0	22.5	27.0	30.0	29.5	26.5
20	19.0	10.0	7.5	2.0	7.5	12.5	17.5	22.5	27.5	30.0	29.0	26.5
21	17.5	10.0	6.5	2.0	7.0	13.0	17.5	23.5	26.0	30.5	29.0	26.0
22	18.0	10.0	6.5	2.0	7.5	12.5	18.0	23.5	26.0	31.0	29.0	26.0
23	18.0	10.0	6.5	2.5	7.5	12.5	18.0	23.5	26.0	31.0	29.0	26.0
24	18.0	9.5	6.5	3.0	8.0	13.0	18.0	23.5	26.5	31.0	29.0	26.0
25	17.0	10.0	6.5	2.0	8.0	13.0	19.0	24.5	26.5	31.0	29.0	26.0
26	16.5	10.0	6.5	3.0	8.0	13.5	19.0	25.0	26.5	31.0	29.0	26.0
27	16.0	11.0	6.5	2.0	---	14.0	19.5	25.0	26.5	31.0	28.0	26.0
28	15.5	10.5	6.5	3.0	---	14.0	19.5	25.5	26.5	30.5	28.5	26.0
29	15.0	9.0	6.5	3.0	---	14.5	20.0	26.0	29.0	30.5	28.0	25.5
30	15.0	8.5	6.5	3.0	---	---	20.0	26.5	29.0	30.0	28.0	25.5
31	14.5	---	7.0	3.0	---	---	---	27.0	---	30.0	28.0	---

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

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

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	28	19	22	18	26	16	15	19	50	26	25
2	20	28	22	24	18	28	20	18	19	52	23	31
3	21	24	25	26	19	29	19	18	20	52	23	31
4	20	23	20	23	22	27	18	15	38	62	27	29
5	21	22	20	25	18	26	18	18	39	63	27	28
6	21	22	22	26	21	24	16	18	24	55	26	28
7	22	21	28	24	20	24	16	16	24	52	23	28
8	24	20	26	24	23	22	16	17	26	50	26	26
9	22	19	22	24	20	27	16	16	26	50	24	28
10	22	20	23	24	20	26	16	18	29	46	25	28
11	22	20	23	25	20	24	14	16	30	42	25	28
12	22	19	23	26	20	24	16	16	32	35	25	24
13	24	19	26	23	20	21	14	16	38	35	25	26
14	24	20	23	23	19	20	15	18	46	32	24	26
15	24	20	22	21	20	20	15	18	54	40	26	26
16	24	18	25	24	22	19	14	17	54	34	26	27
17	24	20	24	22	22	21	16	16	60	36	26	28
18	24	22	26	20	24	15	14	18	62	34	25	28
19	26	19	22	21	23	17	15	20	60	34	22	26
20	28	20	25	20	24	16	16	18	39	36	22	27
21	29	20	25	19	23	17	18	20	33	34	21	23
22	27	20	23	22	25	15	17	16	35	27	18	24
23	28	20	24	20	24	17	13	18	31	25	25	25
24	29	20	24	22	25	16	15	21	28	26	29	24
25	31	20	24	20	26	15	14	19	31	24	30	28
26	33	19	24	20	25	15	16	20	27	25	28	26
27	35	20	28	18	26	15	18	22	31	25	27	24
28	35	21	27	19	28	14	17	20	36	26	26	22
29	37	19	27	21	---	16	17	19	50	28	28	21
30	32	24	24	18	---	16	15	21	49	28	28	23
31	29	---	23	20	---	18	---	20	---	28	27	---

DISSOLVED SULFATE (SO4), MG/L, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	40	70	59	59	35	65	44	43	49	55	54	73
2	48	74	58	59	29	59	42	46	43	61	53	54
3	72	66	66	57	36	65	38	45	54	59	58	59
4	50	65	64	53	37	51	38	49	53	62	58	60
5	72	64	61	57	41	51	37	49	56	64	58	63
6	56	67	64	56	42	52	38	48	55	62	58	62
7	73	63	65	59	42	55	40	50	55	59	60	60
8	73	58	66	61	42	52	38	48	56	62	63	60
9	76	58	64	61	43	51	41	47	57	56	64	57
10	80	58	66	59	43	51	39	47	60	52	60	61
11	81	61	70	62	45	52	37	48	60	52	69	64
12	69	59	64	53	45	51	38	47	60	49	68	61
13	70	63	63	53	45	49	39	51	58	50	70	68
14	70	63	64	50	45	45	37	51	73	50	69	62
15	74	67	62	54	44	46	38	49	61	52	72	65
16	70	64	60	46	45	44	39	51	61	52	73	67
17	69	56	64	37	55	43	39	52	61	52	76	65
18	72	65	62	44	56	39	39	55	62	50	69	63
19	72	51	62	41	55	42	39	54	63	48	74	59
20	80	53	66	43	56	36	43	54	64	49	79	55
21	82	54	67	42	58	37	45	55	65	50	77	48
22	86	60	66	43	56	37	43	54	64	51	78	44
23	84	49	63	43	55	37	39	53	59	49	74	44
24	88	59	62	40	55	37	39	53	57	56	74	44
25	84	---	63	40	65	35	39	55	56	56	73	43
26	82	---	64	37	66	37	38	59	60	59	71	46
27	82	---	64	39	66	35	40	57	55	59	80	50
28	81	---	66	39	65	35	40	58	55	60	80	49
29	80	---	63	38	---	36	43	57	53	59	81	51
30	78	---	63	34	---	44	45	57	53	59	77	50
31	78	---	61	35	---	45	---	55	---	57	73	---

MISSISSIPPI RIVER MAIN STEM

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

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

OCT. 27, 1976 1015 HOURS

PHYTOPLANKTON 8,200 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
..CHLOROPHYCEAE		
...CHLOROCOCCALES		
...HYDRODICTYACEAE		
....PEDIASTRUM	260	3
...MICRACTINIACEAE		
....MICRACTINIUM	3,400	42
...OCCYSTACEAE		
....DICTYOSPHAERIUM	340	4
...OCCYSTIS	340	4
..TETRASPOALES		
...COCCOMYXACEAE		
...OUROCOCCUS	86	1
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	86	1
CHRYSTOPHYTA		
..BACILLARIOPHYCEAE		
..CENTRALES		
...COSCONODISCACEAE		
....CYCLOTELLA	1,000	13
....MELOSIRA	430	5
CYANOPHYTA		
..MYXOPHYCEAE		
...OSCILLATORIALES		
...OSCILLATORIA	2,200	26

NOV. 3, 1976 1200 HOURS

PHYTOPLANKTON 1,600 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
..CHLOROPHYCEAE		
...CHLOROCOCCALES		
...OCCYSTACEAE		
....ANKISTRODESMUS	47	3
...SCENEDESMACEAE		
....SCENEDESMUS	380	24
CHRYSTOPHYTA		
..BACILLARIOPHYCEAE		
..CENTRALES		
...COSCONODISCACEAE		
....CYCLOTELLA	660	42
....MELOSIRA	240	15
..PENNALES		
...NITZSCHIA	47	3
CYANOPHYTA		
..MYXOPHYCEAE		
...CHROOCOCCALES		
...CHROOCOCCACEAE		
...ANACYSTIS	140	9
EUGLENOPHYTA		
..EUGLENOPHYCEAE		
...EUGLENALES		
...EUGLENACEAE		
....TRACHELOMONAS	47	3

DEC. 1, 1976 1015 HOURS

PHYTOPLANKTON 2,900 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
..CHLOROPHYCEAE		
...CHLOROCOCCALES		
...MICRACTINIACEAE		
....MICRACTINIUM	260	9
...OCCYSTACEAE		
....ANKISTRODESMUS	64	2
...CHODATELLA	32	1
...SCENEDESMACEAE		
....SCENEDESMUS	320	11
...TETRASSTRUM	130	4
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	64	2
CHRYSTOPHYTA		
..BACILLARIOPHYCEAE		
..CENTRALES		
...COSCONODISCACEAE		
....CYCLOTELLA	550	19
....MELOSIRA	1,400	49
..PENNALES		
...NITZSCHIA		
....NITZSCHIA	32	1

MAR. 3, 1977 1000 HOURS

PHYTOPLANKTON 3,200 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
..CHLOROPHYCEAE		
...CHLOROCOCCALES		
...OCCYSTACEAE		
....ANKISTRODESMUS	39	1
...SCENEDESMACEAE		
....SCENEDESMUS	160	5
...TETRASSTRUM	79	2
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	39	1
CHRYSTOPHYTA		
..BACILLARIOPHYCEAE		
..CENTRALES		
...COSCONODISCACEAE		
....CYCLOTELLA	59	2
....MELOSIRA	450	14
..PENNALES		
...ACHNANTHACEAE		
...RHOICOSPHEA		0
...FRAGILARIACEAE		
...ASTERIONELLA	670	21
...SYNEDRA	20	1
...NAVICULACEAE		
...NAVICULA	20	1
...NITZSCHIA		
...NITZSCHIA	79	2
CHRYSTOPHYCEAE		
..CHRYSONOMADACEAE		
...OCHROMONADACEAE		
....DINOBRYON	99	3
CYANOPHYTA		
..MYXOPHYCEAE		
...OSCILLATORIALES		
...OSCILLATORIA		
...OSCILLATORIA	1,400	45
EUGLENOPHYTA		
..EUGLENOPHYCEAE		
...EUGLENALES		
...EUGLENACEAE		
....EUGLENA	20	1
....TRACHELOMONAS	20	1

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

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

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

APR. 4, 1977 1115 HOURS

PHYTOPLANKTON 1,300 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...SCENEDESMACEAE		
....SCENEDESMUS	220	17
...VOLVOCALES		
...PHACOTACEAE		
....COCCOMONAS	28	2
CHRYSTOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....COSCINODISCUS	28	2
...CYCLOTELLA	220	17
...MELOSIRA	390	29
..PENNALES		
...DIATOMACEAE		
....DIATOMA		0
...FRAGILARIACEAE		
....ASTERIONELLA	330	25
...SYNEDRA	28	2
...GOMPHONEMATACEAE		
....GOMPHONEMA	28	2
...NAVICULACEAE		
....NAVICULA	28	2
...NITZSCHACEAE		
....NITZSCHIA		0
CYANOPHYTA		
.MYXOPHYCEAE		
..OSCILLATORIALES		
...OSCILLATORIACEAE		
....OSCILLATORIA	28	2

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

NOV. 8, 1976
0800 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 20 DEPTH (FT) 8

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
...UNKNOWN GENUS		44
ARTHROPODA	ARTHROPODS	
..INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
...COELOTANYPUS		3
...CRYPTOCHIRONOMUS		7
..EPHEMEROPTERA	MAY FLIES	
...EPHEMERIDAE		
...HEXAGENIA		3
...PENTAGENIA		12
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		2

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 1.1
 CLASS 1.1
 ORDER 1.4
 FAMILY 1.4
 GENERA 1.7
 INSECTA 1.8 GENERA

NOV. 8, 1976
0801 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 20 DEPTH (FT) 8

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
...UNKNOWN GENUS		62
ARTHROPODA	ARTHROPODS	
..INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
...COELOTANYPUS		1
...CRYPTOCHIRONOMUS		2
..EPHEMEROPTERA	MAY FLIES	
...EPHEMERIDAE		
...HEXAGENIA		2
...PENTAGENIA		8

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.7
 CLASS 0.7
 ORDER 0.8
 FAMILY 0.8
 GENERA 0.9
 INSECTA 1.5 GENERA

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

NOV. 8, 1976
0802 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 20 DEPTH (FT) 8

_ORGANISM_NAME_____	_COMMON_NAME_____	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....LIMNODRILUS		1
....UNKNOWN GENUS		7
ARTHROPODA	ARTHROPODS	
..INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....ABLABESMYIA		1
..EPHEMEROPTERA	MAY FLIES	
...EPHEMERIDAE		
....PENTAGENIA		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.7
 CLASS 0.7
 ORDER 0.9
 FAMILY 0.9
 GENERA 1.4
 INSECTA 1.0 GENERA

NOV. 8, 1976
0805 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1000 DEPTH (FT) 22

_ORGANISM_NAME_____	_COMMON_NAME_____	COUNT
ARTHROPODA	ARTHROPODS	
..INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....DEMOCRYPHOCHIRONOMUS		1

NOV. 8, 1976
0806 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1000 DEPTH (FT) 22

- - - NO ORGANISMS REPORTED - - -

NOV. 8, 1976
0807 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1000 DEPTH (FT) 22

- - - NO ORGANISMS REPORTED - - -

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

NOV. 8, 1976
0810 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2000 DEPTH (FT) 30

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
ARTHROPODA	ARTHROPODS	
.INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....DEMICRYPTOCHIRONOMUS		2
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 0.9
 CLASS 0.9
 ORDER 0.9
 FAMILY 0.9
 GENERA 0.9
NOV. 8, 1976
0811 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2000 DEPTH (FT) 28

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
ARTHROPODA	ARTHROPODS	
.INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....DEMICRYPTOCHIRONOMUS		4

NOV. 8, 1976
0812 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2000 DEPTH (FT) 29

- - - NO ORGANISMS REPORTED - - -

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued
 WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

NOV. 8, 1976
 0816 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3000 DEPTH (FT) 35

ORGANISM_NAME	COMMON_NAME	COUNT
ANNELIDA		
.OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		2
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.9
 CLASS 0.9
 ORDER 0.9
 FAMILY 0.9
 GENERA 0.9

NOV. 8, 1976
 0815 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3000 DEPTH (FT) 41

ORGANISM_NAME	COMMON_NAME	COUNT
ANNELIDA		
.OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		1
ARTHROPODA	ARTHROPODS	
.INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....DEMICRYPTOCHIRONOMUS		1
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 1.6
 CLASS 1.6
 ORDER 1.6
 FAMILY 1.6
 GENERA 1.6

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

NOV. 8, 1976
0817 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3000 DEPTH (FT) 33

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....LIMNODRILUS		1
....UNKNOWN GENUS		1
ARTHROPODA	ARTHROPODS	
..INSECTA		
...DIPTERA		
...CHIRONOMIDAE	MIDGES	
....DEMICRYPTOCHIRONOMUS		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.9
 CLASS 0.9
 ORDER 0.9
 FAMILY 0.9
 GENERA 1.6

NOV. 8, 1976
0820 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3185 DEPTH (FT) 13

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		15
ARTHROPODA	ARTHROPODS	
..INSECTA		
...DIPTERA		
...CHIRONOMIDAE	MIDGES	
....CRYPTOCHIRONOMUS		1
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
...NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		4

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 1.0
 CLASS 1.0
 ORDER 1.0
 FAMILY 1.0
 GENERA 1.0

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

NOV. 8, 1976
0821 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3185 DEPTH (FT) 8

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		1
....LIMNODRILUS		2
....UNKNOWN GENUS		
ARTHROPODA	ARTHROPODS	
..INSECTA		
..EPHEMEROPTERA	MAY FLIES	
...EPHEMERIDAE		1
....PENTAGENIA		
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		1
....CORBICULA		

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 1.4
 CLASS 1.4
 ORDER 1.4
 FAMILY 1.4
 GENERA 1.9
NOV. 8, 1976
0822 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3185 DEPTH (FT) 10

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		9
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		1
....CORBICULA		

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 0.5
 CLASS 0.5
 ORDER 0.5
 FAMILY 0.5
 GENERA 0.5

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued
WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

FEB. 7, 1977
1100 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 20 DEPTH (FT) 10

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
ANNELIDA		
..HIRUDINEA	LEECHES	
...PHARYNGOBDSELLIDA		
...ERPOBDELLIDAE		
....DINA		2
..OLIGOCHAETA	AQUATIC EARTHWORMS	
...PLESIOPORA		
...TUBIFICIDAE		
....LIMNODRILUS		7
...UNKNOWN GENUS		43
ARTHROPODA	ARTHROPODS	
..INSECTA		
...DIPTERA		
...CHIRONOMIDAE	MIDGES	
....COELOTANYPUS		1
...CRYPTOCHIRONOMUS		6
..EPHEMEROPTERA	MAY FLIES	
...EPHEMERIDAE		
....PENTAGENIA		33
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
...NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		11

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 1.4
CLASS 1.5
ORDER 1.8
FAMILY 1.8
GENERA 2.1
INSECTA 0.8 GENERA

FEB. 7, 1977
1101 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 20 DEPTH (FT) 6

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
...PLESIOPORA		
...TUBIFICIDAE		
....LIMNODRILUS		19
...UNKNOWN GENUS		42
ARTHROPODA	ARTHROPODS	
..INSECTA		
...DIPTERA		
...CHIRONOMIDAE	MIDGES	
....ABLABESMYIA		1
...COELOTANYPUS		9
...CRYPTOCHIRONOMUS		20
..EPHEMEROPTERA	MAY FLIES	
...EPHEMERIDAE		
....HEXAGENIA		17
....PENTAGENIA		1
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
...NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		8

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 1.3
CLASS 1.3
ORDER 1.7
FAMILY 1.7
GENERA 2.5
INSECTA 1.7 GENERA

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

FEB. 7, 1977
1102 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 20 DEPTH (FT) 6

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..HIRUDINEA	LEECHES	
...PHARYNGOBDELLIDA		
...ERPOBDELLIDAE		
....DINA		1
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
...UNKNOWN GENUS		5
ARTHROPODA	ARTHROPODS	
..INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
...ABLABESMYIA		1
...COELOTANYPUS		5
...CRYPTOCHIRONOMUS		29
..EPHEMEROPTERA	MAY FLIES	
...EPHEMERIDAE		
...HEXAGENIA		42
...PENTAGENIA		3
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
...CORBICULA		23
..GASTROPODA	SNAILS	
..MESOGASTROPODA		
...HYDROBIIDAE		
....SOMATOGYRUS		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 1.0
 CLASS 1.1
 ORDER 1.9
 FAMILY 1.9
 GENERA 2.2
 INSECTA 1.5 GENERA

FEB. 7, 1977
1105 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1000 DEPTH (FT) 19

- - - NO ORGANISMS REPORTED - - -

FEB. 7, 1977
1106 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1000 DEPTH (FT) 20

- - - NO ORGANISMS REPORTED - - -

FEB. 7, 1977
1107 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1000 DEPTH (FT) 19

ORGANISM NAME	COMMON NAME	COUNT
ARTHROPODA	ARTHROPODS	
..INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....DEMICYPTOCHIRONOMUS		2

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

FEB. 7, 1977
1110 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2000 DEPTH (FT) 25

ORGANISM NAME	COMMON NAME	COUNT
ARTHROPODA	ARTHROPODS	
.INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....DEMICRYPTOCHIRONOMUS		4

FEB. 7, 1977
1111 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2000 DEPTH (FT) 26

ORGANISM NAME	COMMON NAME	COUNT
ARTHROPODA	ARTHROPODS	
.INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....DEMICRYPTOCHIRONOMUS		3

FEB. 7, 1977
1112 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2000 DEPTH (FT) 25

ORGANISM NAME	COMMON NAME	COUNT
ARTHROPODA	ARTHROPODS	
.INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....DEMICRYPTOCHIRONOMUS		2

FEB. 7, 1977
1115 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3000 DEPTH (FT) 28

ORGANISM NAME	COMMON NAME	COUNT
ARTHROPODA	ARTHROPODS	
.INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....DEMICRYPTOCHIRONOMUS		2

FEB. 7, 1977
1116 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3000 DEPTH (FT) 27

- - - NO ORGANISMS REPORTED - - -

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

FEB. 7, 1977
1117 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3000 DEPTH (FT) 28

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
ARTHROPODA	ARTHROPODS	
..INSECTA		
...DIPTERA		
...CHIRONOMIDAE	MIDGES	
....DEMICRYPTOCHIRONOMUS		4

FEB. 7, 1977
1120 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3185 DEPTH (FT) 2

- - - NO ORGANISMS REPORTED - - -

FEB. 7, 1977
1121 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3185 DEPTH (FT) 4.5

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
...PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		2

FEB. 7, 1977
1122 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3185 DEPTH (FT) 2.5

- - - NO ORGANISMS REPORTED - - -

MAY 2, 1977
1120 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 20 DEPTH (FT) 10

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
...PLESIOPORA		
...TUBIFICIDAE		
....LIMNODRILUS		4
....UNKNOWN GENUS		29
ARTHROPODA	ARTHROPODS	
..INSECTA		
...DIPTERA		
...CHIRONOMIDAE	MIDGES	
...CLINOTANYPUS		1
....COLEOTANYPUS		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.3
 CLASS 0.3
 ORDER 0.3
 FAMILY 0.3
 GENERA 0.9
 INSECTA 1.0 GENERA

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

MAY 2, 1977
1121 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 20 DEPTH (FT) 15

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....LIMNODRILUS		1
...UNKNOWN GENUS		13
ARTHROPODA	ARTHROPODS	
..INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....ABLABESMYIA		1
....PROCLADIUS		1
..EPHEMEROPTERA	MAY FLIES	
...EPHEMERIDAE		
....HEXAGENIA		5

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.9
 CLASS 0.9
 ORDER 1.2
 FAMILY 1.2
 GENERA 1.5
 INSECTA 1.1 GENERA

MAY 2, 1977
1122 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 20 DEPTH (FT) 18

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
...UNKNOWN GENUS		18
ARTHROPODA	ARTHROPODS	
..INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....COELOTANYPUS		2
..EPHEMEROPTERA	MAY FLIES	
...EPHEMERIDAE		
....HEXAGENIA		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.6
 CLASS 0.6
 ORDER 0.7
 FAMILY 0.7
 GENERA 0.7
 INSECTA 0.9 GENERA

MAY 2, 1977
1125 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1000 DEPTH (FT) 36

- - - NO ORGANISMS REPORTED - - -

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07373420 MISSISSIPPI RIVER NEAR ST. FRANCISVILLE, LA--Continued
 WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

MAY 2, 1977
 1126 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1000 DEPTH (FT) 36
 - - - NO ORGANISMS REPORTED - - -

MAY 2, 1977
 1127 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1000 DEPTH (FT) 35
 - - - NO ORGANISMS REPORTED - - -

MAY 2, 1977
 1130 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2000 DEPTH (FT) 31

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
ARTHROPODA	ARTHROPODS	
..INSECTA		
...DIPTERA		
....CHIRONOMIDAE	MIDGES	
.....DEMICRYPTOCHIRONOMUS		2

MAY 2, 1977
 1131 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2000 DEPTH (FT) 32
 - - - NO ORGANISMS REPORTED - - -

MAY 2, 1977
 1132 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2000 DEPTH (FT) 32
 - - - NO ORGANISMS REPORTED - - -

MAY 2, 1977
 1135 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3000 DEPTH (FT) 35
 - - - NO ORGANISMS REPORTED - - -

MAY 2, 1977
 1136 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3000 DEPTH (FT) 38

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
ARTHROPODA	ARTHROPODS	
..INSECTA		
...DIPTERA		
....CHIRONOMIDAE	MIDGES	
.....DEMICRYPTOCHIRONOMUS		3

MISSISSIPPI RIVER MAIN STEM

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

MAY 2, 1977
1137 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3000 DEPTH (FT) 37

ORGANISM NAME	COMMON NAME	COUNT
ARTHROPODA	ARTHROPODS	
.INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....DEMICRYPTOCHIRONOMUS		2

MAY 2, 1977
1140 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3185 DEPTH (FT) 14

- - - NO ORGANISMS REPORTED - - -

MAY 2, 1977
1141 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3185 DEPTH (FT) 12

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
.OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		1
ARTHROPODA	ARTHROPODS	
.CRUSTACEA		
..AMPHIPODA	SCUDS	
...GAMMARIDAE		
....GAMMARUS		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 1.0
 CLASS 1.0
 ORDER 1.0
 FAMILY 1.0
 GENERA 1.0

MAY 2, 1977
1142 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 3185 DEPTH (FT) 5

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
.OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....LIMNODRILUS		1
....UNKNOWN GENUS		2

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:
GENERA 0.9

LOWER MISSISSIPPI RIVER BASIN

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 (2.5 km) upstream from Cypress Bayou, and 2.5 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) above mean sea level (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 dissolved oxygen and water temperatures for water year 1977 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--5 years, 76.5 ft³/s (2.166 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,890 ft³/s (53.5 m³/s) Apr. 22, 1977, gage height 19.42 ft (5.919 m); no flow many days in most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,890 ft³/s (53.5 m³/s) Apr. 22, 1977, gage height 19.42 ft (5.919 m); no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	0	3.0	21	14	190	17	559	3.4	11	.15	6.7	10
2	0	1.5	14	23	42	11	83	22	1.6	.20	67	9.0
3	0	.86	11	424	522	12	24	410	.89	.11	16	7.1
4	0	.27	7.5	221	809	1000	50	137	.89	.04	8.2	7.1
5	0	.12	5.7	42	237	725	173	26	.65	.11	5.8	230
6	1.7	0	9.8	90	38	330	31	11	.65	.15	4.8	1220
7	2.1	.12	44.1	350	18	185	12	7.6	.54	.11	3.8	858
8	.65	.12	328	79	11	40	6.8	5.3	.65	.11	2.4	163
9	.27	.12	34	241	8.7	19	5.0	3.4	.54	2.5	1.7	285
10	0	0	19	197	6.8	13	3.6	2.4	.44	9.6	1.4	870
11	0	.86	64	47	6.0	12	1.7	1.9	.44	5.0	2.5	727
12	0	12	144	23	100	73	.98	1.7	.35	3.8	3.8	169
13	0	66	355	23	186	87	.77	1.3	.35	3.8	3.1	30
14	0	27	200	1220	47	20	.56	.77	.44	3.1	2.2	195
15	0	46	262	940	18	12	.49	.65	.44	2.4	1.7	284
16	0	23	105	181	11	9.2	.43	.54	.44	1.2	63	233
17	0	12	31	33	8.2	7.3	.39	.44	.77	.89	11	47
18	0	8.0	19	22	6.6	6.6	.35	.44	.44	.35	9.2	20
19	0	8.2	14	19	8.2	5.6	329	.27	.54	2.1	13	13
20	0	18	36	17	6.3	4.3	1030	.27	.65	8.0	20	16
21	0	10	89	16	4.1	3.1	1670	.20	.54	8.7	111	15
22	0	6.2	30	15	3.1	2.5	1870	.54	.54	6.7	764	9.5
23	0	5.0	20	15	48	2.0	1330	.54	.54	2.9	1090	7.1
24	0	3.5	16	17	435	1.9	83	.54	.54	6.5	975	5.3
25	0	2.6	239	16	126	2.5	22	.65	.44	5.0	539	3.6
26	0	1.9	710	15	32	2.7	12	1.2	.44	11	148	2.7
27	0	3.5	252	20	277	2.2	8.4	.54	.35	100	95	2.0
28	0	228	37	35	75	9.2	6.3	.89	.35	18	43	1.6
29	1.7	359	22	22	---	43	5.3	.89	.44	9.8	28	1.3
30	24	77	18	23	---	40	4.3	.54	.35	5.0	16	1.4
31	8.7	---	15	439	---	1130	---	1.5	---	3.1	14	---
TOTAL	39.12	923.87	3569.0	4839	3280.0	3828.1	7323.37	644.41	27.24	220.42	4070.3	5442.7
MEAN	1.26	30.8	115	156	117	123	244	20.8	.91	7.11	131	181
MAX	24	359	710	1220	809	1130	1870	410	11	100	1090	1220
MIN	0	0	5.7	14	3.1	1.9	.35	.20	.35	.04	1.4	1.3
CAL YR 1976	TOTAL	16177.77	MEAN	44.2	MAX	1370	MIN	0				
WTR YR 1977	TOTAL	34207.53	MEAN	93.7	MAX	1870	MIN	0				

07373965 SOUTH CANAL NEAR BAKER, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.71	2.85	3.66	3.35	6.10	3.75	10.24	3.26	3.55	3.06	3.36	3.53
2	2.70	2.77	3.38	3.58	4.21	3.56	4.97	3.69	3.17	3.07	4.77	3.48
3	2.69	2.74	3.22	---	9.64	3.55	3.94	8.83	3.13	3.04	3.72	3.41
4	2.68	2.71	3.06	6.37	12.11	13.84	4.26	5.72	3.13	3.02	3.45	3.41
5	2.69	2.70	2.98	4.22	6.82	11.73	6.17	3.99	3.12	3.04	3.36	5.97
6	2.81	2.69	3.14	4.66	4.26	8.00	4.09	3.55	3.13	3.05	3.32	15.45
7	2.83	2.70	---	---	3.79	6.31	3.57	3.43	3.13	3.03	3.28	12.76
8	2.75	2.70	7.32	4.83	3.55	4.30	3.40	3.34	3.15	2.99	3.21	6.02
9	2.73	2.70	4.01	---	3.47	3.81	3.33	3.26	3.15	3.10	3.17	7.19
10	2.71	2.69	3.56	6.23	3.40	3.61	3.27	3.21	3.15	3.50	3.15	12.84
11	2.69	2.74	4.36	4.31	3.37	3.58	3.17	3.18	3.15	3.33	3.22	11.77
12	2.68	3.18	5.76	3.73	4.97	4.84	3.10	3.17	3.15	3.28	3.28	6.09
13	2.68	4.62	7.62	3.69	6.34	5.04	3.08	3.14	3.16	3.28	3.25	4.11
14	2.67	3.86	6.25	---	4.42	3.83	3.04	3.10	3.17	3.25	3.20	6.36
15	2.67	4.28	6.85	12.18	3.78	3.58	3.03	3.09	3.16	3.21	3.17	7.49
16	2.66	3.71	5.18	5.88	3.55	3.49	2.99	3.08	3.16	3.13	4.56	6.89
17	2.66	3.26	3.96	4.03	3.45	3.42	2.96	3.07	3.18	3.11	3.54	4.44
18	2.64	3.09	3.57	3.70	3.39	3.39	2.97	3.07	3.15	3.06	3.49	3.84
19	2.65	3.10	3.36	3.55	3.45	3.35	6.60	3.05	3.16	3.15	3.63	3.62
20	2.68	3.50	3.98	3.47	3.38	3.30	14.12	3.05	3.16	3.43	3.82	3.70
21	2.68	3.18	5.04	3.43	3.29	3.25	18.20	3.04	3.15	3.45	4.92	3.69
22	2.67	3.00	3.93	3.39	3.25	3.22	19.30	3.08	3.15	3.58	11.91	3.50
23	2.67	2.95	3.59	3.39	3.97	3.15	15.77	3.08	3.14	3.44	14.58	3.40
24	2.66	2.87	3.45	3.47	9.09	3.14	4.98	3.08	3.14	3.54	13.69	3.33
25	2.66	2.83	---	3.44	5.50	3.22	3.90	3.09	3.13	3.36	10.01	3.26
26	2.66	2.80	---	3.40	4.09	3.23	3.59	3.13	3.12	3.39	5.80	3.22
27	2.67	2.87	---	3.58	7.41	3.20	3.46	3.08	3.11	5.09	5.17	3.18
28	2.68	6.16	4.11	4.06	4.85	3.47	3.38	3.11	3.10	3.76	4.37	3.15
29	2.76	7.66	3.69	3.67	---	4.38	3.34	3.11	3.11	3.51	4.04	3.13
30	3.72	4.77	3.50	3.68	---	4.12	3.30	3.08	3.09	3.33	3.71	3.14
31	3.12	---	3.41	8.31	---	14.82	---	3.12	---	3.25	3.64	---
MEAN	2.74	3.39	---	---	4.96	4.82	5.72	3.46	3.16	3.32	4.90	5.51
MAX	3.72	7.66	---	---	12.11	14.82	19.30	8.83	3.55	5.09	14.58	15.45
MIN	2.64	2.69	---	---	3.25	3.14	2.96	3.04	3.09	2.99	3.15	3.13

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA

LOCATION.--Lat 30°17'00", long 91°13'21", T.9 S., R.12 E., Louisiana meridian, Iberville Parish, Hydrologic Unit 08070100, at west bank ferry landing, at Plaquemine, and at mile 208.0 (334.7 km).

DRAINAGE AREA.--Not determined.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (.7UM-MF (COL./ 100 ML)
OCT 16...	1200	477	8.0	21.0	5	8	9.2	6	1.3	2300	--
NOV 01...	1600	474	7.9	15.0	5	20	9.3	48	2.6	814000	85000
DEC 10...	1000	462	7.9	9.0	5	15	11.2	10	2.6	5100	--
JAN 06...	0800	427	7.6	5.5	10	20	11.7	14	4.4	--	81600
FEB 08...	0950	360	7.9	3.0	15	20	12.1	14	3.6	1000	230
MAR 17...	1230	316	6.8	11.5	40	90	8.9	29	3.1	1500	8110
APR 07...	1000	307	7.6	16.0	25	70	8.0	23	--	--	--
MAY 03...	1015	314	7.9	20.0	25	75	7.6	40	1.2	3000	2200
JUN 01...	1300	384	7.7	27.0	20	15	7.3	25	4.0	2500	2100
JUL 07...	0900	538	7.8	29.0	5	65	6.8	20	1.1	819000	85700
AUG 09...	1245	462	8.0	30.5	25	40	8.3	2	2.2	89200	1240
SEP 02...	1300	446	7.7	29.0	10	30	6.2	15	--	83000	2100

DATE	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT 16...	--	160	52	39	14	132	0	108	2.1	67	35
NOV 01...	--	150	60	39	12	110	0	90	2.2	76	49
DEC 10...	--	150	22	40	13	156	0	128	3.1	63	30
JAN 06...	--	150	41	41	12	133	0	109	5.3	58	28
FEB 08...	8120	130	30	37	9.9	122	0	100	2.5	39	26
MAR 17...	--	100	24	29	7.3	96	0	79	24	41	25
APR 07...	--	120	44	33	8.7	91	0	75	3.7	38	22
MAY 03...	93	130	40	35	9.9	107	0	88	2.2	45	14
JUN 01...	--	140	39	39	11	127	0	100	4.1	50	20
JUL 07...	--	160	44	43	12	138	0	110	3.5	57	61
AUG 09...	--	150	45	41	12	130	0	110	2.1	64	33
SEP 02...	--	150	55	40	11	110	0	90	3.5	75	34

MISSISSIPPI RIVER MAIN STEM

07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE D SOLIDS (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)
OCT 16...	21	--	.45	.00	.45	.47	.27	1	0	--	--
NOV 01...	18	<1.0	1.1	.00	1.1	.32	.08	2	1	--	--
DEC 10...	21	--	.49	.01	.50	.47	.11	2	2	--	--
JAN 06...	32	<1.0	.65	.02	.67	.44	.12	2	1	--	--
FEB 08...	27	<1.0	.47	.01	.48	1.1	.10	2	1	--	--
MAR 17...	243	<1.0	1.2	.02	1.2	.57	.31	5	2	10	0
APR 07...	134	<1.0	1.2	.01	1.2	1.0	.38	6	1	0	0
MAY 03...	139	<1.0	.94	.04	.98	.42	.19	4	1	0	0
JUN 01...	54	<1.0	1.7	.01	1.7	.51	.13	2	1	0	0
JUL 07...	131	<1.0	.85	.01	.86	.34	.19	4	2	0	0
AUG 09...	122	<1.0	.75	.02	.77	.97	.17	4	1	0	0
SEP 02...	60	<1.0	1.2	.01	1.2	.61	.24	1	1	0	0

DATE	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)
OCT 16...	0	0	10	0	5	5	10	4	0	.3	.2
NOV 01...	0	0	<10	0	5	5	10	4	3	.0	.0
DEC 10...	0	0	10	0	7	3	0	5	2	.1	.1
JAN 06...	0	0	<10	0	5	3	40	5	1	.0	.0
FEB 08...	0	0	<10	0	3	2	30	4	0	.0	.0
MAR 17...	0	0	10	0	12	3	40	14	0	.0	.0
APR 07...	0	0	30	0	11	4	30	14	0	.0	.0
MAY 03...	0	0	<10	0	7	4	10	4	0	.0	.0
JUN 01...	1	1	<10	0	5	5	10	16	6	.0	.0
JUL 07...	0	0	<10	0	5	2	20	6	0	.0	.0
AUG 09...	<10	0	5	0	35	2	20	6	0	.0	.0
SEP 02...	8	0	20	0	22	3	20	4	0	.1	.0

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374120 MISSISSIPPI RIVER AT PLAQUEMINE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED VANA- DIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
OCT 16...	2	2	--	--	--	20	10	1.4	.00	0	1
NOV 01...	8	8	--	--	--	20	10	2.4	.00	0	0
DEC 10...	10	3	--	--	--	20	5	4.8	.00	3	0
JAN 06...	5	2	--	--	--	10	10	4.0	.00	3	0
FEB 08...	5	2	--	--	--	10	0	6.2	.00	22	1
MAR 17...	18	0	0	0	1.0	120	30	9.2	.00	1	--
APR 07...	12	0	0	0	.0	50	0	11	.00	1	1
MAY 03...	12	0	1	1	1.0	20	10	10	.00	4	1
JUN 01...	10	--	0	0	.0	70	30	5.9	.00	0	0
JUL 07...	14	5	0	0	3.0	20	0	6.0	.00	0	7
AUG 09...	8	3	2	1	.1	20	10	5.1	.00	1	0
SEP 02...	18	1	0	0	.9	20	0	3.8	.00	2	0

SPECIAL ANALYSES FOR ORGANIC COMPOUNDS

The following data are from samples collected for analysis of both volatile and semi-volatile organic compounds. Techniques and methodology are discussed in the Introduction.

COMPOUND		CONCENTRATION (UG/L)
NOVEMBER 30, 1976		
VOLATILE	NONE DETECTED	--
SEMI-VOLATILE	NAPHTHALENE	0.11
	1 METHYL NAPHTHALENE	0.04
	2 METHYL NAPHTHALENE	0.03
	DIBUTYL PHTHALATE*	2.30
	HYDROCARBON UNKNOWN	1.30
	DIOCTYL PHTHALATE*	2.55
	BUTYL BENZYL PHTHALATE	0.13
	β NAPHTHYLAMINE	0.22
JUNE 13, 1977		
VOLATILE	BENZENE	0.92
	TOLUENE	1.6
	CHLOROFORM	1.4
SEMI-VOLATILE		
BASE-NEUTRAL		
EXTRACTION	ATRAZINE	TRACE**
	BIS(2-ETHYLHEXYL) PHTHALATE*	TRACE**
ACID EXTRACTION	BIS(2-ETHYLHEXYL) PHTHALATE*	0.15

* Possible contaminant from laboratory.

** Quantities below calculated total ion current limit detection.

MISSISSIPPI RIVER MAIN STEM

07374220 MISSISSIPPI RIVER AT UNION, LA

LOCATION.--Lat 30°05'52", long 90°54'45", T.11 S., R.15 E., St. James Parish, 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 (269.5 km).

DRAINAGE AREA.--Not determined.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)
OCT 16...	1400	457	7.9	21.0	10	8	8.8	10	.6	660	--
NOV 01...	1400	473	7.9	15.0	5	20	8.8	15	2.4	3700	260
DEC 10...	1130	456	7.9	9.0	10	15	11.0	36	3.2	680	--
JAN 06...	1000	414	7.5	6.0	5	20	12.2	13	4.7	--	8180
FEB 08...	1700	358	7.9	3.5	10	15	12.8	8	4.5	81300	110
MAR 17...	1400	306	6.6	11.0	40	85	8.8	33	3.4	3300	210
APR 07...	1200	298	7.6	16.0	20	75	8.1	29	1.0	--	--
MAY 03...	1330	313	7.6	20.5	25	65	7.4	40	.8	840	320
JUN 01...	1500	408	7.5	--	--	--	--	20	--	--	--
JUL 07...	1100	555	7.9	29.5	5	45	6.5	20	2.0	11000	--
AUG 09...	1145	434	8.3	30.0	40	30	8.1	15	2.5	840	60
SEP 02...	1130	447	7.6	29.0	5	25	6.6	15	--	3600	750

DATE	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)
OCT 16...	--	160	53	39	14	130	0	107	2.6	67	28
NOV 01...	--	150	61	40	12	108	0	89	2.2	78	38
DEC 10...	--	150	20	40	13	158	0	130	3.2	63	27
JAN 06...	--	150	48	39	12	124	0	102	6.3	58	27
FEB 08...	360	130	26	36	9.4	127	0	104	2.6	37	26
MAR 17...	--	110	34	30	7.9	89	0	73	36	44	20
APR 07...	--	110	36	32	8.1	94	0	77	3.8	39	18
MAY 03...	--	130	38	34	10	108	0	89	4.3	43	16
JUN 01...	--	150	39	40	11	130	0	110	6.6	54	24
JUL 07...	--	170	49	45	13	143	0	120	2.9	59	63
AUG 09...	--	150	33	41	11	140	0	110	1.1	60	29
SEP 02...	--	150	55	40	11	110	0	90	4.4	73	33

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374220 MISSISSIPPI RIVER AT UNION, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDED SOLIDS (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)
OCT 16...	15	--	.38	.00	.38	.36	.09	1	1	--	--
NOV 01...	13	<1.0	1.2	.01	1.2	.58	.07	1	1	--	--
DEC 10...	18	--	.55	.01	.56	.77	.14	4	2	--	--
JAN 06...	29	<1.0	.65	.02	.67	.61	.13	3	2	--	--
FEB 08...	26	<1.0	.47	.01	.48	.50	.10	2	0	--	--
MAR 17...	265	<1.0	1.2	.02	1.2	.73	.31	5	1	10	0
APR 07...	238	<1.0	1.2	.01	1.2	.51	.60	1	1	0	0
MAY 03...	94	<1.0	.91	.01	.92	.43	.14	4	1	0	0
JUN 01...	46	--	1.8	.03	1.8	.83	.25	2	2	0	0
JUL 07...	60	<1.0	.92	.01	.93	.53	.21	3	2	0	0
AUG 09...	97	<1.0	.00	.01	.01	.79	.25	3	1	0	0
SEP 02...	50	<1.0	1.2	.01	1.2	.56	.21	3	1	0	0

DATE	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)
OCT 16...	0	0	10	0	12	11	0	4	1	.2	.2
NOV 01...	0	0	30	0	4	4	10	4	2	.0	.0
DEC 10...	0	0	20	0	5	2	10	3	0	.1	.1
JAN 06...	0	0	<10	0	5	2	40	4	1	.0	.0
FEB 08...	0	0	<10	0	9	3	20	1	0	.0	.0
MAR 17...	0	0	10	0	12	4	30	13	0	.0	.0
APR 07...	0	0	10	0	9	2	40	9	0	.0	.0
MAY 03...	0	0	<10	0	6	6	20	0	0	.0	.0
JUN 01...	1	1	10	0	7	--	10	7	--	.0	.0
JUL 07...	0	0	20	0	5	2	20	6	0	.2	.0
AUG 09...	<10	0	0	0	27	2	20	5	0	.0	.0
SEP 02...	8	0	20	0	11	5	30	4	0	.0	.0

MISSISSIPPI RIVER MAIN STEM

07374220 MISSISSIPPI RIVER AT UNION, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED VANA- DIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
OCT 16...	3	3	--	--	--	20	10	1.9	.00	1	1
NOV 01...	5	4	--	--	--	20	10	2.4	.00	0	0
DEC 10...	7	3	--	--	--	40	5	4.2	.00	4	0
JAN 06...	4	0	--	--	--	10	10	2.8	.00	2	0
FEB 08...	6	2	--	--	--	0	0	3.6	.00	22	3
MAR 17...	19	0	0	0	1.0	70	0	10	.00	2	0
APR 07...	7	0	0	0	.0	120	0	15	.00	0	1
MAY 03...	4	0	0	0	2.0	20	10	8.8	.00	3	0
JUN 01...	8	4	0	0	.0	150	--	6.4	.00	0	0
JUL 07...	13	0	0	0	3.0	10	0	6.0	.00	0	35
AUG 09...	9	3	1	0	1.1	20	10	4.3	.00	1	0
SEP 02...	9	3	0	0	1.1	20	10	3.2	.00	3	0

SPECIAL ANALYSES FOR ORGANIC COMPOUNDS

The following data are from samples collected for analysis of both volatile and semi-volatile organic compounds. Techniques are methodology are discussed in the Introduction.

COMPOUND		CONCENTRATION (UG/L)
NOVEMBER 30, 1976		
VOLATILE	TETRA METHYL HEXANE	3.97
SEMI-VOLATILE	NAPHTHALENE	0.30
	1 METHYL NAPHTHALENE	0.43
	2 METHYL NAPHTHALENE	0.31
	DIMETHYL NAPHTHALENE ISOMER	0.27
	DIMETHYL NAPHTHALENE ISOMER	0.21
	DIBUTYL PHTHALATE*	3.18
	2 METHYL ANTHRACENE	0.07
	ATRAZINE	0.55
	DIOCTYL PHTHALATE*	1.16
JUNE 13, 1977		
VOLATILE	BENZENE	0.86
	TOLUENE	1.8
	CHLOROFORM	2.3
SEMI-VOLATILE BASE-NEUTRAL EXTRACTION	ATRAZINE	1.9
	BIS(2-ETHYLHEXYL) PHTHALATE*	3.4
ACID EXTRACTION	BIS(2-ETHYLHEXYL) PHTHALATE*	2.2

* Possible contaminant from laboratory.

LOWER MISSISSIPPI RIVER BASIN

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 (194.0 km).

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.

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

SULFATE: October 1974 to September 1975. October 1976 to current year.

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. 32.0°C July 21. 24. Aug. 14. 1962. July 2. 3. 5. 6. 1969; 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. 26 mg/L Mar. 19. 1975.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum daily. 608 micromhos June 24; minimum daily. 269 micromhos Apr. 26.

CHLORIDE: Maximum daily. 69 mg/L June 24; minimum daily. 15 mg/L Apr. 2. 25-27. 29.

SULFATE: Maximum daily. 89 mg/L Oct. 10; minimum daily. 34 mg/L Mar. 29.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM (COL./ 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)
OCT 08...	1430	500	7.9	24.0	--	8	7.9	--	1.6	B160	--	--
NOV 01...	1200	492	7.8	15.5	5	25	8.6	11	3.4	2000	B320	--
DEC 01...	1500	437	7.7	9.5	20	2	9.6	10	1.8	B60	<5	--
JAN 07...	1200	422	7.6	5.5	15	25	12.1	16	4.1	B590	B55	--
FEB 09...	1030	365	8.0	4.0	5	15	11.9	--	3.0	460	<5	B50
MAR 03...	1400	442	7.3	10.5	10	40	10.4	24	3.5	1300	B130	60
APR 04...	1200	310	7.6	16.5	60	75	8.2	27	4.2	1200	420	--
MAY 04...	1130	317	7.8	20.5	30	55	7.2	80	1.2	B450	B200	--
JUN 01...	1730	419	7.7	29.0	15	20	7.3	16	2.1	B800	--	--
JUL 08...	1100	517	7.9	30.0	5	55	6.7	25	1.0	B2100	B450	--
AUG 09...	1030	454	8.2	30.0	40	25	7.4	15	2.3	900	B48	--
SEP 02...	0930	457	7.7	29.0	5	25	6.6	23	--	1900	460	--

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)
OCT 08...	170	36	45	15	34	29	1.1	3.3	168	0	138	3.4
NOV 01...	150	61	42	12	--	--	--	--	108	0	89	2.7
DEC 01...	150	37	41	12	--	--	--	--	138	0	113	4.4
JAN 07...	150	49	40	11	--	--	--	--	123	0	101	4.9
FEB 09...	130	32	35	9.8	--	--	--	--	120	0	98	1.9
MAR 03...	150	46	39	12	--	--	--	--	127	0	104	10
APR 04...	110	33	30	8.2	--	--	--	--	94	0	77	3.8
MAY 04...	110	23	26	11	--	--	--	--	106	0	87	2.7
JUN 01...	150	47	42	11	--	--	--	--	126	0	100	4.0
JUL 08...	160	49	44	13	--	--	--	--	140	0	110	2.8
AUG 09...	140	28	39	11	--	--	--	--	140	0	110	1.4
SEP 02...	150	62	41	12	--	--	--	--	110	0	90	3.5

DATE	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	SUS- PENDE D SOLIDS (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
OCT 08...	70	31	.6	.2	282	.38	14	<1.0	--	--	--	--
NOV 01...	78	38	--	--	--	--	27	<1.0	1.3	.02	1.3	.47
DEC 01...	63	29	--	--	--	--	17	--	5.1	.04	5.1	.56
JAN 07...	61	30	--	--	--	--	36	<1.0	.68	.01	.69	.72
FEB 09...	44	26	--	--	--	--	19	<1.0	.51	.01	.52	1.0
MAR 03...	60	31	--	--	--	--	110	<1.0	.72	.02	.74	.63
APR 04...	39	18	--	--	--	--	181	<1.0	1.3	.01	1.3	.69
MAY 04...	45	17	--	--	--	--	175	<1.0	.94	.01	.95	.41
JUN 01...	57	25	--	--	--	--	53	<1.0	1.7	.01	1.7	.75
JUL 08...	58	67	--	--	--	--	184	<1.0	.77	.01	.78	.67
AUG 09...	62	36	--	--	--	--	52	<1.0	.75	.02	.77	.60
SEP 02...	81	33	--	--	--	--	49	<1.0	1.2	.09	1.3	.52

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CU) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
OCT 08...	.27	2	1	--	--	0	0	40	0	8	7	0
NOV 01...	.24	2	1	--	--	0	0	30	0	6	5	20
DEC 01...	.39	1	1	--	--	0	0	10	0	9	3	0
JAN 07...	.32	3	2	--	--	0	0	<10	0	6	2	40
FEB 09...	.30	2	2	--	--	0	0	20	0	5	3	80
MAR 03...	.25	2	1	0	0	0	0	40	0	6	3	20
APR 04...	.39	4	1	0	0	0	0	20	0	13	6	20
MAY 04...	.24	3	1	0	0	0	0	20	0	10	4	20
JUN 01...	.25	2	2	0	0	0	0	10	0	4	3	20
JUL 08...	.34	2	2	0	0	0	0	20	0	6	3	10
AUG 09...	.24	2	2	0	0	<10	1	5	0	30	5	20
SEP 02...	.29	3	1	0	0	25	0	10	0	29	7	20

DATE	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED VANA- DIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT 08...	2	0	.1	.1	4	2	--	--	--	20	0
NOV 01...	3	0	.0	.0	5	5	--	--	--	40	0
DEC 01...	0	0	.0	.0	5	3	--	--	--	40	20
JAN 07...	5	1	.0	.0	6	0	--	--	--	20	10
FEB 09...	2	1	.0	.0	4	3	--	--	--	20	10
MAR 03...	7	0	.0	.0	7	3	0	0	.0	20	10
APR 04...	8	0	.0	.0	10	7	0	0	.0	30	10
MAY 04...	12	2	.0	.0	13	2	0	0	.0	30	30
JUN 01...	19	19	.0	.0	90	2	0	0	.0	90	80
JUL 08...	4	0	.0	.0	13	0	0	0	4.0	0	0
AUG 09...	17	0	.0	.0	6	3	4	1	.5	40	20
SEP 02...	6	0	.0	.0	28	3	1	0	1.1	40	10

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)
OCT 08...	3.6	.00	1	0
NOV 01...	2.4	.00	0	1
DEC 01...	6.1	.00	2	0
JAN 07...	3.1	.00	2	0
FEB 09...	8.5	.00	0	0
MAR 03...	4.4	.00	5	10
APR 04...	--	.00	1	--
MAY 04...	7.3	.00	--	--
JUN 01...	4.2	.02	0	0
JUL 08...	6.4	.00	0	23
AUG 09...	4.4	.00	1	0
SEP 02...	4.2	.00	4	0

DATE	TRITIUM IN WATER MOLE- CULES (TU)	TRITIUM WATER MOLE- CULES COUNT ERROR (TU)	DATE	TRITIUM IN WATER MOLE- CULES (TU)	TRITIUM WATER MOLE- CULES COUNT ERROR (TU)
OCT 08...	76.6	4.0	MAR 03...	60.6	5.9
NOV 01...	67.0	5.8	MAY 03...	47.8	3.8
DEC 01...	117	7.0	JUL 08...	56.2	4.8
FEB 09...	55.8	4.9			

DATE	TIME	SAMP- LING DEPTH (FT)	CROSS SECTION LOC- ATION (FT)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	DATE	TIME	SAMP- LING DEPTH (FT)	CROSS SECTION LOC- ATION (FT)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)
NOV 09...	1200	4.0	50.0	8900	MAY 04...	1140	7.0	50.0	10600
09...	1205	35	800	8870	04...	1150	43	800	5600
09...	1210	70	1600	3680	04...	1155	81	1600	6500
09...	1215	100	2400	12400	04...	1205	105	2400	3200
09...	1220	18	2680	14500	04...	1215	20	2680	16400

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

SPECIAL ANALYSES FOR ORGANIC COMPOUNDS

The following data are from samples collected for analysis of both volatile and semi-volatile organic compounds. Techniques and methodology are discussed in the Introduction.

COMPOUND		CONCENTRATION (UG/L)
DECEMBER 1, 1976		
SEMI-VOLATILE	UNKNOWN PHTHALATE	0.10
	DIBUTYL PHTHALATE*	6.4
	ATRAZINE	0.49
	PYRENE + C HYDROCARBON	0.07
	DIOCTYL PHTHALATE*	0.64
JUNE 14, 1977		
VOLATILE	BENZENE	10.6
	TETRACHLOROETHYLENE	8.9
	TOLUENE	4.1
	CHLOROFORM	3.8
	1,1,2,2-TETRACHLOROETHANE	1.2
SEMI-VOLATILE BASE-NEUTRAL EXTRACTION	ATRAZINE	0.89
	BIS(2-ETHYLHEXYL) PHTHALATE*	1.7
ACID EXTRACTION	BIS(2-ETHYLHEXYL) PHTHALATE*	0.24

* Possible contaminant from laboratory.

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	481	490	---	419	354	488	296	305	---	484	456	465
2	485	489	---	421	349	450	302	300	418	480	456	457
3	484	419	---	421	352	449	311	317	421	506	453	453
4	493	416	---	418	344	445	313	323	412	526	453	446
5	485	419	---	412	342	431	306	339	406	543	454	432
6	485	418	---	413	350	432	296	349	415	538	453	425
7	---	418	---	420	356	405	300	349	420	577	460	429
8	484	418	---	424	---	387	302	350	416	543	444	429
9	483	419	---	433	360	388	287	348	433	546	440	434
10	484	418	---	439	373	386	290	348	439	525	444	431
11	484	420	---	441	374	368	306	351	443	510	440	431
12	494	---	---	441	380	364	288	348	455	465	443	431
13	487	---	---	448	383	365	299	350	459	434	444	429
14	487	---	---	460	390	355	---	351	469	434	462	422
15	484	---	---	446	404	338	290	341	475	423	469	441
16	485	---	---	411	409	332	291	349	481	432	440	437
17	487	---	476	395	425	332	290	352	574	444	469	438
18	489	---	464	394	428	314	283	350	565	451	481	437
19	487	---	453	384	422	294	289	358	564	452	484	447
20	486	---	439	382	422	290	289	361	585	448	499	466
21	489	---	440	384	421	285	289	366	---	448	502	461
22	486	---	416	385	438	281	295	383	580	448	513	463
23	490	---	450	380	446	289	305	399	592	440	498	455
24	486	---	417	379	471	287	287	405	508	420	491	434
25	486	---	422	382	465	287	276	382	593	417	490	---
26	486	---	422	370	462	295	269	401	571	417	491	---
27	489	---	418	363	443	286	270	375	531	430	489	---
28	495	---	410	352	453	277	270	387	519	438	474	---
29	487	---	416	345	---	273	289	388	488	440	456	---
30	490	---	411	341	---	275	290	418	493	456	455	---
31	488	---	420	340	---	293	---	406	---	461	455	---

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	31	41	---	30	24	31	18	16	---	35	29	32
2	30	41	---	31	24	30	15	17	24	33	32	32
3	29	28	---	31	26	30	22	19	23	41	31	32
4	31	26	---	29	25	32	20	18	24	50	30	33
5	38	26	---	29	26	31	20	18	24	51	31	31
6	40	26	---	31	27	33	20	18	25	50	31	32
7	---	26	---	31	22	30	20	18	27	65	32	31
8	39	25	---	32	---	27	20	18	26	56	30	32
9	39	24	---	33	25	24	20	19	27	58	30	31
10	40	25	---	30	27	23	18	19	29	53	30	33
11	40	26	---	34	30	25	18	19	28	56	30	33
12	44	---	---	32	28	25	17	18	30	49	30	32
13	40	---	---	29	28	24	18	21	32	44	32	32
14	42	---	---	31	28	22	---	18	31	43	34	31
15	40	---	---	31	28	22	18	19	32	38	34	34
16	41	---	---	30	26	22	18	20	35	39	34	32
17	40	---	32	28	30	24	16	19	58	41	37	30
18	43	---	33	26	30	21	16	19	58	43	34	30
19	41	---	33	28	27	19	16	21	60	36	36	30
20	40	---	30	27	29	20	16	19	64	36	36	33
21	41	---	33	27	28	17	16	20	---	34	35	30
22	39	---	28	28	28	17	18	20	61	35	31	30
23	40	---	30	26	28	19	17	22	62	35	28	31
24	40	---	28	26	32	17	16	24	69	30	29	29
25	40	---	28	25	29	17	15	22	60	29	27	---
26	40	---	28	24	28	18	15	22	55	29	28	---
27	40	---	28	23	27	18	15	21	42	29	36	---
28	42	---	28	24	30	16	16	24	40	33	33	---
29	40	---	28	24	---	16	15	24	33	30	32	---
30	42	---	30	24	---	17	18	24	37	26	33	---
31	40	---	31	24	---	17	---	25	---	31	33	---

DISSOLVED SULFATE (SO4), MG/L, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	86	---	69	46	73	43	45	---	63	67	83
2	61	86	---	66	43	70	44	57	59	63	63	77
3	68	70	---	63	42	68	47	51	58	62	63	77
4	68	70	---	65	42	68	47	48	58	58	63	76
5	81	71	---	60	39	65	43	50	55	62	62	68
6	81	71	---	55	39	63	43	52	56	64	61	65
7	---	72	---	61	40	59	42	51	58	63	60	63
8	84	71	---	59	---	55	43	50	55	68	50	65
9	84	71	---	61	41	61	40	51	60	72	53	65
10	89	72	---	61	42	59	42	51	42	66	58	63
11	84	70	---	59	45	55	44	50	59	62	58	61
12	88	---	---	58	45	54	45	52	61	57	60	60
13	86	---	---	61	47	53	39	54	62	53	64	61
14	87	---	---	60	46	51	---	55	64	54	67	59
15	87	---	---	63	48	51	41	53	64	54	69	62
16	87	---	---	55	48	51	42	51	61	57	67	65
17	88	---	69	57	46	51	41	53	64	57	69	64
18	88	---	41	49	50	49	41	52	62	59	72	65
19	87	---	53	50	49	44	41	56	63	59	71	65
20	87	---	61	50	45	43	41	43	64	58	74	67
21	86	---	56	47	45	43	41	46	64	58	72	66
22	82	---	63	45	49	40	43	62	64	59	78	61
23	82	---	67	50	56	39	45	55	66	56	76	63
24	82	---	84	40	61	40	44	58	65	52	81	59
25	78	---	46	50	62	42	41	62	71	58	82	---
26	84	---	63	49	62	41	41	59	71	55	84	---
27	84	---	63	47	60	39	39	59	70	71	82	---
28	85	---	65	44	62	37	43	57	65	58	74	---
29	86	---	69	45	---	34	42	59	61	62	79	---
30	87	---	68	43	---	36	50	62	61	68	79	---
31	86	---	70	43	---	40	---	60	---	67	76	---

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

NOV. 9, 1976
1400 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 50 DEPTH (FT) 4

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		2

NOV. 9, 1976
1401 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 50 DEPTH (FT) 3

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....LIMNODRILUS		1
....UNKNOWN GENUS		7

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:
GENERA 0.5NOV. 9, 1976
1402 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 50 DEPTH (FT) 2

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....LIMNODRILUS		2
....UNKNOWN GENUS		5

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:
GENERA 0.9NOV. 9, 1976
1405 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 800 DEPTH (FT) 35

*_ORGANISM_NAME_	_COMMON_NAME_	COUNT
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		52

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

NOV. 9, 1976
1406 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 800 DEPTH (FT) 34

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
.OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
...UNKNOWN GENUS		5
ARTHROPODA	ARTHROPODS	
.INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
...CRYPTOCHIRONOMUS		2
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
...CORBICULA		62

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.6
 CLASS 0.6
 ORDER 0.6
 FAMILY 0.6
 GENERA 0.6

NOV. 9, 1976
1407 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 800 DEPTH (FT) 38

ORGANISM NAME	COMMON NAME	COUNT
ARTHROPODA	ARTHROPODS	
.INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
...COELOTANYPUS		1
...CRYPTOCHIRONOMUS		1
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
...CORBICULA		83

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.2
 CLASS 0.2
 ORDER 0.2
 FAMILY 0.2
 GENERA 0.2
 INSECTA 1.0 GENERA

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

NOV. 9, 1976
1410 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1200 DEPTH (FT) 70

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ANNELIDA		
.OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORE		
...TUBIFICIDAE		
....LIMNODRILUS		1
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		28

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 0.2
 CLASS 0.2
 ORDER 0.2
 FAMILY 0.2
 GENERA 0.2
NOV. 9, 1976
1411 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1600 DEPTH (FT) 73

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		104

NOV. 9, 1976
1412 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1600 DEPTH (FT) 71

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		51

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

NOV. 9, 1976
1415 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2400 DEPTH (FT) 100

ORGANISM NAME	COMMON NAME	COUNT
CNIDARIA	CNIDARIANS	
.HYDROZOA	HYDROZOANS	
..HYDROIDA		
...CLAVIDAE		
....CORDYLOPHORA		1
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		129

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.1
 CLASS 0.1
 ORDER 0.1
 FAMILY 0.1
 GENERA 0.1

NOV. 9, 1976
1416 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2400 DEPTH (FT) 99

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
.OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		3
CNIDARIA	CNIDARIANS	
.HYDROZOA	HYDROZOANS	
..HYDROIDA		
...CLAVIDAE		
....CORDYLOPHORA		1
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		275

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.1
 CLASS 0.1
 ORDER 0.1
 FAMILY 0.1
 GENERA 0.1

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

NOV. 9, 1976
1417 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2400 DEPTH (FT) 100

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		4
CNIDARIA	CNIDARIANS	
..HYDROZOA	HYDROZOANS	
..HYDROIDA		
...CLAVIDAE		
....CORDYLOPHORA		1
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		333

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 0.1
 CLASS 0.1
 ORDER 0.1
 FAMILY 0.1
 GENERA 0.1
NOV. 9, 1976
1420 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2680 DEPTH (FT) 18

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....LIMNODRILUS		8
....UNKNOWN GENUS		47
CNIDARIA	CNIDARIANS	
..HYDROZOA	HYDROZOANS	
..HYDROIDA		
...CLAVIDAE		
....CORDYLOPHORA		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 0.1
 CLASS 0.1
 ORDER 0.1
 FAMILY 0.1
 GENERA 0.7
NOV. 9, 1976
1421 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2680 DEPTH (FT) 22

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....LIMNODRILUS		1
....UNKNOWN GENUS		2

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

GENERA 0.9

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

NOV. 9, 1976
1422 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2680 DEPTH (FT) 21

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		4
....LIMNODRILUS		
....UNKNOWN GENUS		30
ARTHROPODA	ARTHROPODS	
..INSECTA		
..DIPTERA		
...CERATOPOGONIDAE	BITING MIDGES	1
....UNKNOWN GENUS		
...CHIRONOMIDAE	MIDGES	15
....COELOTANYPUS		1
....CRYPTOCHIRONOMUS		
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		8

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 1.4
 CLASS 1.4
 ORDER 1.4
 FAMILY 1.5
 GENERA 1.7
 INSECTA 0.6 GENERA

FEB. 9, 1977
1200 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 50 DEPTH (FT) 2

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		1
ARTHROPODA	ARTHROPODS	
..INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....CRYPTOCHIRONOMUS		2

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.9
 CLASS 0.9
 ORDER 0.9
 FAMILY 0.9
 GENERA 0.9

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

FEB. 9, 1977
1201 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 50 DEPTH (FT) 2

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		9

FEB. 9, 1977
1202 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 50 DEPTH (FT) 2

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....LIMNODRILUS		8
....UNKNOWN GENUS		7

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:
GENERA 1.0FEB. 9, 1977
1205 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 800 DEPTH (FT) 20

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
ARTHROPODA	ARTHROPODS	
..INSECTA		
...DIPTERA		
....CHIRONOMIDAE	MIDGES	
....CRYPTOCHIRONOMUS		1
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		18

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:
PHYL/DIV 0.3
CLASS 0.3
ORDER 0.3
FAMILY 0.3
GENERA 0.3

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

FEB. 9, 1977
1206 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 800 DEPTH (FT) 22

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
ARTHROPODA	ARTHROPODS	
.INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....CRYPTOCHIRONOMUS		6
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		36
NEMERTEA	RIBBON WORMS	
.ENOPLA		
..FORAMINIFERIDA		
...TETRASTEMMATIDAE		
....PROSTOMA		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 0.7
 CLASS 0.7
 ORDER 0.7
 FAMILY 0.7
 GENERA 0.7
FEB. 9, 1977
1207 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 800 DEPTH (FT) 20

ORGANISM__NAME_____	COMMON__NAME_____	COUNT
ARTHROPODA	ARTHROPODS	
.INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
....CRYPTOCHIRONOMUS		7
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		13

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 0.9
 CLASS 0.9
 ORDER 0.9
 FAMILY 0.9
 GENERA 0.9

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

FEB. 9, 1977
1210 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1600 DEPTH (FT) 72

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
...UNKNOWN GENUS		3
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
...CORBICULA		30

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 0.4
 CLASS 0.4
 ORDER 0.4
 FAMILY 0.4
 GENERA 0.4
FEB. 9, 1977
1211 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1600 DEPTH (FT) 73

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
...UNKNOWN GENUS		1
ARTHROPODA	ARTHROPODS	
..INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
...CRYPTOCHIRONOMUS		1
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
...CORBICULA		314
NEMERTEA	RIBBON WORMS	
..ENOPLA		
..FORAMINIFERIDA		
...TETRASTEMMATIDAE		
...PROSTOMA		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 0.1
 CLASS 0.1
 ORDER 0.1
 FAMILY 0.1
 GENERA 0.1
FEB. 9, 1977
1212 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1600 DEPTH (FT) 72

ORGANISM NAME	COMMON NAME	COUNT
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
...CORBICULA		28

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

FEB. 9, 1977
1215 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2400 DEPTH (FT) 96

ORGANISM NAME	COMMON NAME	COUNT
CNIDARIA	CNIDARIANS	
.HYDROZOA	HYDROZOANS	
..HYDROIDA		
...CLAVIDAE		
....CORDYLOPHORA		1
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		27

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.2
 CLASS 0.2
 ORDER 0.2
 FAMILY 0.2
 GENERA 0.2

FEB. 9, 1977
1216 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2400 DEPTH (FT) 96

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
.OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		1
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		11

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.4
 CLASS 0.4
 ORDER 0.4
 FAMILY 0.4
 GENERA 0.4

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

FEB. 9, 1977
1217 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2400 DEPTH (FT) 98

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		3
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
...CORBICULA		62
NEMERTEA	RIBBON WORMS	
..ENOPLA		
..FORAMINIFERIDA		
...TETRASTEMMATIDAE		
...PROSTOMA		12
PLATYHELMINTHES	FLATWORMS	
..TURBELLARIA		
..TRICLADIDA		
...PLANARIIDAE		
....DUGESIA		2

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 1.0
 CLASS 1.0
 ORDER 1.0
 FAMILY 1.0
 GENERA 1.0
FEB. 9, 1977
1220 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2680 DEPTH (FT) 28

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....AULODRILUS		4
....LIMNODRILUS		1
....UNKNOWN GENUS		1
ARTHROPODA	ARTHROPODS	
..INSECTA		
...DIPTERA		
...CHIRONOMIDAE	MIDGES	
....COELOTANYPUS		6
....CRYPTOCHIRONOMUS		3
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
...CORBICULA		48
..GASTROPODA	SNAILS	
...MESOGASTROPODA		
...HYDROBIIDAE		
....SOMATOGYRUS		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 1.0
 CLASS 1.1
 ORDER 1.1
 FAMILY 1.1
 GENERA 1.4
 INSECTA 0.9 GENERA

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

FEB. 9, 1977
1221 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2680 DEPTH (FT) 45

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
...AULODRILUS		3
...BRANCHIURA		1
...UNKNOWN GENUS		1
ARTHROPODA	ARTHROPODS	
..INSECTA		
..DIPTERA		
...CHIRONOMIDAE	MIDGES	
...COELOTANYPUS		1
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
...CORBICULA		30
NEMERTEA	RIBBON WORMS	
..ENOPLA		
...FORAMINIFERIDA		
...TETRASTEMMATIDAE		
...PROSTOMA		2

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 1.0
 CLASS 1.0
 ORDER 1.0
 FAMILY 1.0
 GENERA 1.2

FEB. 9, 1977
1222 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2680 DEPTH (FT) 45

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
...LIMNODRILUS		1
...UNKNOWN GENUS		2
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
...CORBICULA		84
PLATYHELMINTHES	FLATWORMS	
..TURBELLARIA		
..TRICLADIDA		
...PLANARIIDAE		
...DUGESIA		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.3
 CLASS 0.3
 ORDER 0.3
 FAMILY 0.3
 GENERA 0.3

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

MAY 4, 1977
1140 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 50 DEPTH (FT) 7

- - - NO ORGANISMS REPORTED - - -

MAY 4, 1977
1141 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 50 DEPTH (FT) 5

- - - NO ORGANISMS REPORTED - - -

MAY 4, 1977
1142 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 50 DEPTH (FT) 3

- - - NO ORGANISMS REPORTED - - -

MAY 4, 1977
1145 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 800 DEPTH (FT) 43

_ORGANISM_NAME_____	_COMMON_NAME_____	COUNT
ANNELIDA		
.OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		1

MAY 4, 1977
1146 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 800 DEPTH (FT) 49

_ORGANISM_NAME_____	_COMMON_NAME_____	COUNT
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		1

MAY 4, 1977
1147 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 800 DEPTH (FT) 43

_ORGANISM_NAME_____	_COMMON_NAME_____	COUNT
ANNELIDA		
.OLIGOCHAETA	AQUATIC EARTHWORMS	
..PLESIOPORA		
...TUBIFICIDAE		
....LIMNODRILUS		1
....UNKNOWN GENUS		1

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:
GENERA 1.0

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

MAY 4, 1977
1150 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1600 DEPTH (FT) 81

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		12

MAY 4, 1977
1151 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1600 DEPTH (FT) 80

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		5

MAY 4, 1977
1152 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 1600 DEPTH (FT) 81

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		12

MAY 4, 1977
1155 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2400 DEPTH (FT) 105

_ORGANISM__NAME_____	_COMMON__NAME_____	COUNT
MOLLUSCA	MOLLUSCS	
.BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		5

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

MAY 4, 1977

1156 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2400 DEPTH (FT) 105

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
...PLESIOPORA		
...TUBIFICIDAE		
....UNKNOWN GENUS		1
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
...NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		130

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.1
 CLASS 0.1
 ORDER 0.1
 FAMILY 0.1
 GENERA 0.1

MAY 4, 1977

1157 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2400 DEPTH (FT) 103

ORGANISM NAME	COMMON NAME	COUNT
ARTHROPODA	ARTHROPODS	
..CRUSTACEA		
...AMPHIPODA	SCUDS	
...GAMMARIDAE		
....GAMMARUS		2
CNIDARIA	CNIDARIANS	
..HYDROZOA	HYDROZOANS	
...HYDROIDA		
...CLAVIDAE		
....CORDYLOPHORA		1
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
...NUCULOIDEA		
...CORBICULIDAE		
....CORBICULA		190

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 0.1
 CLASS 0.1
 ORDER 0.1
 FAMILY 0.1
 GENERA 0.1

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

MAY 4, 1977
1200 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2680 DEPTH (FT) 20

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
...PLESIOPORA		
...TUBIFICIDAE		1
...BRANCHIURA		7
...UNKNOWN GENUS		
ARTHROPODA	ARTHROPODS	
..INSECTA		
...DIPTERA		
...CHIRONOMIDAE	MIDGES	
...COELOTANYPUS		3
...CRYPTOCHIRONOMUS		2
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
...NUCULOIDEA		
...CORBICULIDAE		
...CORBICULA		5

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

PHYL/DIV 1.5
 CLASS 1.5
 ORDER 1.5
 FAMILY 1.5
 GENERA 2.1
 INSECTA 1.0 GENERA

MAY 4, 1977
1201 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2680 DEPTH (FT) 15

ORGANISM NAME	COMMON NAME	COUNT
ANNELIDA		
..HIRUDINEA	LEECHES	
...PHARYNGOBDELLIDA		
...ERPOBDELLIDAE		
...DINA		1
..OLIGOCHAETA	AQUATIC EARTHWORMS	
...PLESIOPORA		
...TUBIFICIDAE		
...UNKNOWN GENUS		8

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

CLASS 0.5
 ORDER 0.5
 FAMILY 0.5
 GENERA 0.5

LOWER MISSISSIPPI RIVER BASIN

MISSISSIPPI RIVER MAIN STEM

07374400 MISSISSIPPI RIVER AT LULING FERRY, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

MAY 4, 1977
1202 HOURS

IDENTIFICATION OF BENTHIC INVERTEBRATES

CROSS SECTION LOCATION (FT) 2680 DEPTH (FT) 15

_ORGANISM_NAME_	_COMMON_NAME_	COUNT
ANNELIDA		
..OLIGOCHAETA	AQUATIC EARTHWORMS	
...PLESIOPORA		
...TUBIFICIDAE		
...UNKNOWN GENUS		22
ARTHROPODA	ARTHROPODS	
..INSECTA		
...DIPTERA		
...CHIRONOMIDAE	MIDGES	
...POLYPEDILUM		1
MOLLUSCA	MOLLUSCS	
..BIVALVIA	BIVALVES	
..NUCULOIDEA		
...CORBICULIDAE		
...CORBICULA		3

NOTE: DIVERSITY INDICES, BASED ON ACTUAL COUNTS:

 PHYL/DIV 0.7
 CLASS 0.7
 ORDER 0.7
 FAMILY 0.7
 GENERA 0.7

07375000 TCHEFUNCTA RIVER NEAR FOLSOM, LA

LOCATION.--Lat 30°36'55", long 90°14'55", on line between SE¼NE¼ and SW¼NE¼ 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 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 Chefunct River near Folsom.

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

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1977 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--34 years, 160 ft³/s (4.531 m³/s), 22.75 in/yr (578 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 12,400 ft³/s (351 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 discharge 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)
Apr. 22	0115	*15400 436	*21.47 6.544	Sept. 6	2245	3980 113	18.13 5.526

Minimum discharge, 38 ft³/s (1.08 m³/s) Oct. 13, 14, 15, 16, gage height, 5.16 ft (1.573 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	42	58	111	93	196	104	758	88	56	45	56	125
2	41	48	84	83	161	81	468	119	60	47	54	101
3	41	43	77	123	202	75	214	273	58	48	52	82
4	41	40	74	200	473	221	148	196	55	46	55	71
5	40	39	70	154	483	749	193	129	54	44	53	150
6	40	39	70	123	253	553	264	108	53	44	52	2780
7	41	39	176	213	167	369	146	93	53	44	57	2590
8	40	39	365	395	134	283	105	86	51	45	55	923
9	40	39	286	279	117	173	88	82	52	54	50	490
10	39	39	135	247	105	134	78	79	50	62	48	634
11	39	42	115	309	96	117	71	76	51	62	56	834
12	39	44	131	218	90	529	66	73	49	69	71	644
13	39	48	177	138	90	643	63	73	49	83	89	520
14	39	58	216	452	90	405	60	72	50	83	88	379
15	38	70	205	1160	83	187	59	69	49	63	62	300
16	39	60	214	868	77	140	58	67	49	55	53	347
17	39	57	163	375	73	118	56	65	49	56	50	327
18	39	52	125	206	71	103	56	64	48	61	74	209
19	39	50	06	163	69	93	56	63	48	52	394	153
20	40	53	111	135	68	84	147	62	52	54	407	126
21	40	58	164	120	66	78	4310	61	99	52	290	109
22	40	55	148	110	65	72	10200	60	62	50	118	94
23	40	50	115	100	66	69	1710	59	56	48	187	85
24	40	48	100	101	69	66	695	83	50	46	396	78
25	40	48	121	111	78	68	321	125	48	45	665	74
26	40	48	341	101	73	75	194	85	49	47	365	70
27	40	50	445	106	125	71	146	67	46	64	177	68
28	40	83	234	153	165	72	120	64	46	83	121	66
29	39	185	159	126	---	108	104	60	45	159	128	64
30	50	194	126	100	---	102	94	58	44	78	127	64
31	80	---	106	140	---	291	---	56	---	64	137	---
TOTAL	1284	1776	5070	7202	3805	6233	21048	2715	1581	1853	4587	12557
MEAN	41.4	59.2	164	232	136	201	702	87.6	52.7	59.8	148	419
MAX	80	194	445	1160	483	749	10200	273	99	159	565	2780
MIN	38	39	70	83	65	66	56	56	44	44	48	64
CFSM	.43	.62	1.72	2.43	1.42	2.10	7.35	.92	.55	.63	1.55	4.39
IN.	.50	.69	1.97	2.81	1.48	2.43	8.20	1.06	.62	.72	1.79	4.89

CAL YR 1976	TOTAL	35123	MEAN	96.0	MAX	936	MIN	38	CFSM	1.01	IN	13.68
WTR YR 1977	TOTAL	69711	MEAN	191	MAX	10200	MIN	38	CFSM	2.00	IN	27.15

MISSISSIPPI RIVER DELTA

07375000 TCHEFUNCTA RIVER NEAR FOLSOM, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.23	---	6.44	6.16	7.56	6.34	12.10	6.10	5.55	5.35	5.55	6.65
2	5.21	---	6.04	6.02	7.13	5.99	10.15	6.52	5.62	5.38	5.52	6.30
3	5.20	---	5.92	6.61	7.60	5.88	7.78	8.45	5.58	5.39	5.48	6.00
4	5.20	---	5.87	7.67	10.23	7.79	6.96	7.56	5.53	5.36	5.52	5.82
5	5.19	---	5.80	7.04	10.30	11.98	7.51	6.71	5.51	5.33	5.49	6.87
6	5.19	---	5.79	6.59	8.21	10.79	8.35	6.39	5.49	5.32	5.48	16.33
7	5.20	---	7.29	7.74	7.20	9.38	6.92	6.18	5.48	5.32	5.56	16.71
8	5.22	---	9.33	9.60	6.78	8.54	6.36	6.07	5.46	5.33	5.53	12.88
9	5.20	---	8.52	8.49	6.53	7.27	6.10	6.00	5.46	5.49	5.44	10.35
10	5.18	---	6.79	8.16	6.36	6.78	5.93	5.95	5.44	5.64	5.40	11.37
11	5.18	---	6.50	8.82	6.23	6.53	5.81	5.90	5.45	5.65	5.53	12.51
12	5.17	---	6.73	7.81	6.14	10.45	5.73	5.85	5.42	5.78	5.81	11.44
13	5.17	---	7.32	6.83	6.14	11.43	5.67	5.85	5.42	6.01	6.11	10.59
14	5.17	---	7.81	9.83	6.13	9.63	5.63	5.82	5.43	6.01	6.09	9.45
15	5.16	---	7.67	13.99	6.01	7.45	5.60	5.79	5.42	5.68	5.64	8.74
16	5.19	---	7.79	12.64	5.91	6.85	5.57	5.75	5.42	5.53	5.48	9.18
17	5.19	---	7.15	9.38	5.84	6.55	5.55	5.72	5.41	5.55	5.43	8.98
18	5.20	5.47	6.64	7.69	5.81	6.33	5.54	5.69	5.40	5.63	5.81	7.72
19	5.19	5.43	6.37	7.15	5.79	6.17	5.55	5.67	5.39	5.48	9.54	7.03
20	5.22	5.48	6.45	6.79	5.76	6.04	6.81	5.65	5.47	5.50	9.70	6.66
21	5.23	5.58	7.17	6.58	5.73	5.93	16.24	5.64	6.26	5.48	8.54	6.42
22	---	5.52	6.96	6.42	5.70	5.84	19.99	5.62	5.65	5.43	6.54	6.20
23	---	5.44	6.51	6.29	5.72	5.78	15.24	5.61	5.54	5.40	7.40	6.04
24	---	5.41	6.29	6.30	5.79	5.72	11.68	5.99	5.44	5.37	9.58	5.93
25	---	5.40	6.57	6.45	5.94	5.76	8.90	6.64	5.40	5.35	11.57	5.86
26	---	5.40	9.08	6.30	5.85	5.88	7.53	6.04	5.41	5.38	9.26	5.81
27	---	5.44	10.00	6.38	6.62	5.81	6.93	5.75	5.37	5.68	7.32	5.76
28	---	6.01	8.00	7.02	7.17	5.83	6.57	5.68	5.35	6.00	6.59	5.72
29	---	7.43	7.10	6.66	---	6.40	6.34	5.61	5.35	7.09	6.69	5.69
30	---	7.53	6.66	6.29	---	6.31	6.19	5.58	5.34	5.93	6.67	5.68
31	---	---	6.37	6.84	---	8.45	---	5.55	---	5.70	6.81	---
MEAN	---	---	7.06	7.63	6.65	7.29	8.04	6.04	5.48	5.60	6.68	8.36
MAX	---	---	10.00	13.99	10.30	11.98	19.99	8.45	6.26	7.09	11.57	16.71
MIN	---	---	5.79	6.02	5.70	5.72	5.54	5.55	5.34	5.32	5.40	5.68

07375500 TANGIPAHOA RIVER AT ROBERT, LA

LOCATION.--Lat 30°30'23", long 90°21'42", in lot 39, T.6 S., R.8 E., St. Helena meridian, Tangipahoa Parish, 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 Chappeeela 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) above mean sea level. Prior to Nov. 25, 1939, nonrecording gage at same site and datum.

REMARKS.--Records good except for those periods of no gage-height record, which are fair.

AVERAGE DISCHARGE.--39 years, 1,111 ft³/s (31.46 m³/s), 23.36 in/yr (593 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. 16	0545	7,320 207	15.47 4.715	Apr. 22	1430	*33,600 952	*20.95 6.386
Mar. 6	1300	5,630 159	14.52 4.426	Sept. 7	0215	17,100 484	18.35 5.593

Minimum discharge, 345 ft³/s (9.77 m³/s) Oct. 23, gage height, 5.02 ft (1.530 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	365	479	821	654	1120	1460	3480	948	497	565	442	718
2	361	411	630	626	979	1060	2330	1160	545	484	491	668
3	358	389	559	813	1690	874	1370	2340	519	461	465	597
4	354	378	525	1130	2960	1850	1080	1820	493	535	494	569
5	350	371	504	1090	2460	4120	1190	1580	479	480	558	1750
6	370	366	503	944	1650	5450	1350	1080	472	509	522	11300
7	452	363	1060	1300	1200	4980	1180	906	466	498	470	14600
8	454	360	1630	1670	997	3580	923	826	456	472	437	8910
9	399	357	1250	1270	878	2110	780	784	451	451	419	4030
10	379	363	817	1890	794	1470	695	747	446	462	410	3240
11	369	363	686	2090	734	1200	642	734	441	620	420	3880
12	363	385	711	1410	701	1530	604	728	439	788	428	3780
13	361	428	944	1100	707	1570	580	725	436	697	410	2530
14	361	479	1130	2710	818	1310	562	683	434	618	400	1870
15	359	526	1180	6160	783	1100	550	652	438	567	390	2080
16	361	562	1160	6960	713	955	541	629	437	502	380	2360
17	363	472	990	4220	662	853	534	610	434	505	370	2100
18	359	434	797	2020	626	790	531	595	430	486	390	1430
19	359	423	685	1410	605	734	728	582	427	448	510	1130
20	354	433	703	1140	592	695	6250	570	426	449	740	864
21	347	449	805	1000	577	665	15600	560	430	449	930	711
22	347	449	810	910	566	641	31900	552	425	427	620	758
23	347	425	686	830	564	623	28000	544	418	419	540	716
24	348	410	620	770	677	610	18100	546	415	410	1100	672
25	352	404	697	710	1870	610	8170	565	410	407	3100	637
26	354	408	1550	660	1500	620	3170	556	406	413	2800	612
27	352	409	1910	650	1280	610	1750	539	403	444	1300	595
28	349	665	1410	910	1840	612	1350	524	401	543	860	578
29	351	1100	1030	783	---	804	1140	514	400	529	660	568
30	466	1200	847	727	---	1080	1020	508	411	487	650	567
31	526	---	728	1050	---	1780	---	503	---	456	663	---
TOTAL	11590	14261	28378	49607	30543	46346	136100	24610	13285	15581	22369	74820
MEAN	374	475	915	1600	1091	1495	4537	794	443	503	722	2494
MAX	526	1200	1910	6960	2960	5450	31900	2340	545	788	3100	14600
MIN	347	357	503	626	564	610	531	503	400	407	370	567
CFSM	.58	.74	1.42	2.48	1.69	2.31	7.02	1.23	.69	.78	1.12	3.86
IN.	.67	.82	1.63	2.86	1.76	2.67	7.84	1.42	.77	.90	1.29	4.31
CAL YR 1976	TOTAL	247043	MEAN	675	MAX	3760	MIN	347	CFSM	1.04	IN	14.23
WTR YR 1977	TOTAL	467490	MEAN	1281	MAX	31900	MIN	347	CFSM	1.98	IN	26.92

MISSISSIPPI RIVER DELTA

07375500 TANGIPAHOA RIVER AT ROBERT, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.14	5.89	6.92	6.41	7.76	8.68	12.59	7.93	6.23	6.50	6.00	6.62
2	5.10	5.48	6.33	6.32	7.38	7.60	10.68	8.54	6.42	6.18	6.21	6.46
3	5.08	5.33	6.04	6.89	9.06	7.07	8.46	11.07	6.32	6.08	6.10	6.21
4	5.05	5.26	5.86	7.80	11.92	9.55	7.65	10.16	6.21	6.38	6.22	6.09
5	5.03	5.21	5.75	7.69	10.98	13.23	7.98	9.64	6.16	6.16	6.47	8.80
6	5.17	5.18	5.74	7.27	9.13	14.39	8.39	8.36	6.13	6.27	6.33	16.68
7	5.70	5.17	7.59	8.25	8.00	14.03	7.94	7.79	6.11	6.23	6.12	17.75
8	5.72	5.15	9.09	9.20	7.42	12.66	7.21	7.52	6.06	6.13	5.98	16.03
9	5.37	5.14	8.12	8.19	7.08	10.21	6.80	7.37	6.04	6.04	5.89	13.09
10	5.24	5.16	6.91	9.70	6.84	8.71	6.55	7.23	6.02	6.09	5.85	12.33
11	5.17	5.16	6.52	10.21	6.67	7.99	6.37	7.18	6.00	6.72	5.90	13.05
12	5.12	5.29	6.60	8.56	6.57	8.84	6.23	7.15	6.00	7.37	5.93	12.94
13	5.12	5.51	7.27	7.73	6.59	8.95	6.13	7.14	5.98	7.02	---	11.16
14	5.12	5.77	7.81	11.04	6.91	8.28	6.05	6.97	5.97	6.71	---	9.87
15	5.11	5.99	7.96	14.81	6.81	7.72	6.00	6.85	5.99	6.51	---	10.30
16	5.12	6.14	7.90	15.27	6.60	7.30	5.95	6.76	5.99	6.25	---	10.90
17	5.13	5.74	7.40	13.24	6.44	7.01	5.91	6.68	5.97	6.26	---	10.34
18	5.11	5.55	6.85	10.02	6.32	6.83	5.90	6.62	5.95	6.19	---	8.82
19	5.11	5.49	6.51	8.56	6.24	6.67	6.47	6.57	5.94	6.03	---	8.07
20	5.07	5.54	6.57	---	6.19	6.55	14.68	6.52	5.93	6.03	---	7.33
21	5.03	5.62	6.87	---	6.13	6.45	17.78	6.48	5.95	6.03	---	6.87
22	5.04	5.62	6.89	---	6.08	6.37	20.74	6.45	5.92	5.93	---	7.05
23	5.03	5.50	6.52	---	6.07	6.31	20.16	6.42	5.89	5.89	---	6.95
24	5.04	5.43	6.30	---	6.45	6.26	18.40	6.42	5.87	5.85	---	6.81
25	5.07	5.39	6.52	---	9.69	6.26	15.50	6.50	5.85	5.83	---	6.71
26	5.08	5.41	8.90	---	8.77	6.30	12.11	6.46	5.83	5.86	---	6.62
27	5.07	5.42	9.79	---	8.22	6.26	10.01	6.40	5.82	6.01	---	6.56
28	5.05	6.39	8.55	---	9.61	6.27	9.10	6.34	5.80	6.41	---	6.49
29	5.07	7.73	7.53	6.81	---	6.86	8.55	6.30	5.80	6.35	---	6.45
30	5.82	8.00	6.99	6.65	---	7.67	8.18	6.27	5.85	6.19	6.35	6.45
31	6.16	---	6.65	7.57	---	9.29	---	6.25	---	6.06	6.44	---
MEAN	5.20	5.66	7.14	---	7.57	8.28	9.82	7.24	6.00	6.24	---	9.33
MAX	6.16	8.00	9.79	15.27	11.92	14.39	20.74	11.07	6.42	7.37	---	17.75
MIN	5.03	5.14	5.74	---	6.07	6.26	5.90	6.25	5.80	5.83	---	6.09

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 DAILY RECORD.--

WATER TEMPERATURES: October 1976 to current year.

CHLORIDE: October 1974 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

CHLORIDE: Maximum daily, 14,000 mg/L Sep. 1, 1977; minimum daily, 180 mg/L May 30, 1975.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily 30.0°C several days in August; minimum daily, 3.5°C Jan. 19.

CHLORIDE: Maximum daily, 14,000 mg/L Sep. 1; minimum daily, 580 mg/L Mar. 26.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.5	15.0	10.5	9.0	5.5	---		21.5	26.5	28.5	28.0	29.0
2	26.0	15.5	10.5	8.0	5.5	15.0		21.0	27.0	28.5	27.0	27.0
3	25.5	15.5	10.0	8.0	6.0	14.5		23.0	27.0	28.5	28.5	26.0
4	26.0	15.5	10.0	9.5	6.5	15.5		23.0	27.0	28.5	27.0	26.0
5	25.5	15.0	10.5	9.5	6.0	14.0		23.5	28.0	28.5	29.0	29.0
6	24.5	15.0	10.5	9.0	5.5	13.5		23.5	28.0	29.5	30.0	27.0
7	23.5	15.5	10.0	9.0	6.0	14.0		24.5	26.5	29.0	---	26.0
8	21.5	15.0	9.5	8.5	5.5	14.0		24.5	26.0	29.0	28.5	27.0
9	24.0	16.0	9.0	8.5	6.0	14.5		23.5	27.0	27.0	29.5	27.0
10	24.5	16.0	9.5	8.0	6.0	14.5		21.5	27.0	28.0	29.0	29.0
11	24.5	15.5	11.0	8.0	6.5	14.0		23.0	28.0	27.0	28.0	28.0
12	23.0	16.0	10.5	8.5	6.5	14.5		22.0	28.0	27.0	27.0	27.0
13	23.5	15.5	10.0	8.5	8.0	16.0		23.0	28.0	28.0	28.0	27.0
14	23.5	14.5	9.5	9.0	8.5	16.5		23.0	26.5	28.5	29.0	28.0
15	22.0	14.5	10.5	9.5	---	17.0		23.5	28.0	28.0	29.0	27.0
16	21.0	13.0	10.0	9.0	8.0	18.5		23.5	28.0	27.0	30.0	28.0
17	19.5	14.5	10.5	5.5	8.5	18.5		23.0	27.0	28.5	30.0	28.0
18	20.0	15.0	10.5	4.0	9.0	20.0		23.5	28.5	28.0	30.0	28.0
19	20.0	14.5	10.5	3.5	9.5	20.5		23.5	28.0	27.0	30.0	28.0
20	19.5	14.0	10.0	5.5	10.0	21.0		24.0	28.0	27.0	29.5	28.0
21	18.5	15.0	9.0	5.5	11.0	20.5		24.0	27.0	28.5	29.5	28.0
22	18.5	14.0	9.0	5.0	11.5	18.5		24.0	28.5	27.0	29.0	28.0
23	19.0	12.0	8.0	5.5	13.0	19.5		24.0	28.5	28.0	30.0	27.0
24	19.0	13.0	8.0	6.0	14.0	19.0		24.5	28.5	29.0	30.0	28.0
25	18.5	12.0	9.0	6.0	14.5	20.0		25.5	29.0	28.5	28.5	28.0
26	18.0	14.0	10.0	6.5	15.0	19.5		25.5	28.5	27.0	27.0	28.0
27	17.0	13.0	10.5	6.5	14.5	19.5		26.0	28.0	28.0	27.0	28.0
28	15.5	13.0	11.0	9.5	14.5	19.5		26.5	28.0	28.5	27.0	28.0
29	15.5	9.5	10.0	8.0	---	20.0		26.5	28.5	28.0	28.0	27.0
30	16.0	9.5	10.5	6.5	---	20.0		27.0	28.5	28.5	27.0	27.0
31	15.0	---	9.5	5.5	---	20.0		27.0	---	28.5	27.0	---

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

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3700	4200	6800	4900	1600	---		850	1700	5000	3700	14000
2	3800	3900	3600	5000	1400	4900		1200	1800	6700	3700	7500
3	3800	3800	3100	3800	1400	5000		1100	1800	7100	6300	9000
4	7800	3800	5200	---	1500	3300		1800	2000	5600	6800	8300
5	7800	4200	5200	3100	2200	3300		1700	2000	5600	6500	9100
6								1800	1900	5400	7200	8800
7	7200	3800	5200	3100	2200	3400		1900	1900	3900	---	9000
8	7300	3900	5200	3200	2400	2900		1900	2200	5300	9700	3400
9	4400	4600	3400	2400	2400	2500		3800	2200	5300	9700	2900
10	4400	4600	3400	3300	2600	1700		1300	2200	5300	9700	2900
11	4400	4800	5200	3200	2600	1700		1300	2100	5300	9400	3000
12	6200	4900	5200	2800	1800	2000		1000	2100	5500	---	2800
13	6200	5900	3800	2200	1800	2000		1000	2800	5600	---	2900
14	5400	6000	3700	2200	2300	2000		1400	2800	5500	4900	2800
15	5400	6000	4200	2700	2300	1800		1700	3900	5600	---	2900
16	7200	5100	4200	2600	2000	1800		1700	4000	5500	4700	1900
17	7700	5000	3800	2900	2600	2100		1700	3300	8700	5900	2000
18	7500	5200	3600	2900	2600	2100		1700	1900	8800	4000	2500
19	7500	4500	3400	3100	2600	1300		1300	2900	9100	4000	2300
20	7500	4700	3400	2800	2200	1400		1400	2100	8900	6300	2400
21	5500	5100	3500	2700	2000	820		1400	2100	5500	3700	2000
22	5500	4900	3600	1600	3500	850		1400	1800	5700	3600	2000
23	6700	4400	2800	1600	3400	1300		1500	2200	4600	3700	2100
24	6700	4000	2800	1400	3400	1200		1400	2000	5400	3900	2000
25	7000	3700	3400	1700	3800	1600		1300	920	5200	4600	1900
26	7000	4900	3400	1700	2700	750		1600	1400	5400	2400	1900
27	5000	4700	3500	1300	2800	580		1700	3000	7000	6300	1800
28	6300	3500	3400	1400	2900	2800		1600	3000	4800	6300	2300
29	6200	3600	3300	1600	2600	2800		1600	4600	4500	6200	---
30	5800	3600	3300	1400	---	1300		1800	4600	4500	3700	2200
31	5800	3600	3300	1500	---	1300		1800	5000	3500	7100	2300
32	5800	---	3200	1600	---	1300		1700	---	3600	6700	---

301300089493000 LAKE PONTCHARTRAIN AT NORTH SHORE, NEAR SLIDELL, LA (CE 85683)

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.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

CHLORIDE: Maximum daily, 7,500 mg/L Aug. 30, 1976; minimum daily, 260 mg/L Aug. 9, 12, 13, 1975.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 31.0°C July 25, 26, Aug. 8; minimum daily, 4.0°C Jan. 18, 19.

CHLORIDE: Maximum daily, 6,800 mg/L Aug. 31; minimum daily, 950 mg/L Apr. 17, 20, June 26.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.0	14.5	7.0	8.0	5.5	15.5	21.0	21.5	28.0	29.5	30.0	30.0
2	24.0	14.5	8.0	7.0	6.0	14.0	21.0	22.0	27.0	29.0	29.0	28.0
3	23.5	14.0	8.0	7.0	8.0	17.0	19.5	22.0	28.0	28.0	28.5	28.5
4	24.5	14.5	10.0	8.0	9.0	16.5	18.5	23.5	28.5	29.5	28.0	28.0
5	24.5	13.5	10.0	---	9.5	17.0	16.5	26.5	28.5	30.0	29.5	28.0
6	24.5	14.5	11.0	10.0	9.0	15.5	16.5	26.0	29.5	29.5	29.5	28.5
7	21.0	15.0	---	11.0	8.5	11.5	17.5	26.5	28.0	29.0	28.0	28.0
8	19.0	14.0	8.0	10.5	9.0	14.0	19.0	26.5	26.0	29.5	31.0	27.0
9	15.5	13.5	9.0	11.5	9.0	13.0	20.0	20.0	26.5	30.0	28.5	27.0
10	17.0	13.5	11.0	5.0	9.0	15.5	21.0	24.5	26.5	29.0	28.5	26.0
11	19.0	17.0	12.0	5.5	10.0	18.5	20.5	24.0	28.0	29.0	27.0	27.0
12	18.5	15.5	14.0	7.0	10.0	18.5	21.0	24.5	28.5	29.5	28.5	27.0
13	19.0	11.5	15.5	7.0	12.0	18.0	---	24.0	28.5	30.0	29.5	27.0
14	20.0	13.0	11.5	10.0	11.0	18.5	---	25.0	28.5	30.0	30.0	28.0
15	19.5	11.5	13.0	11.0	13.0	19.5	---	24.5	29.0	29.5	29.5	26.0
16	19.5	12.0	13.0	---	10.0	20.5	---	24.5	28.0	30.0	29.5	25.5
17	19.0	12.0	12.0	4.5	11.0	23.0	---	24.5	28.5	30.5	---	25.5
18	18.0	12.0	13.0	4.0	13.0	22.0	---	25.5	29.0	---	29.0	25.5
19	18.5	13.0	13.0	4.0	14.0	23.0	---	25.5	29.0	---	28.5	26.0
20	18.0	14.0	8.0	5.0	13.5	20.5	---	26.0	28.5	29.5	---	26.5
21	14.5	14.0	8.0	5.5	11.5	16.0	---	26.0	28.5	30.0	27.0	26.5
22	15.5	13.0	8.0	7.0	14.5	15.5	---	25.5	30.0	30.5	---	26.5
23	18.0	10.5	9.5	6.0	15.5	16.0	---	25.0	30.0	30.5	27.0	27.0
24	19.5	11.0	8.0	8.5	15.5	16.0	---	25.5	30.0	30.5	26.0	27.0
25	20.0	12.0	11.0	8.0	15.5	16.0	---	26.0	29.5	31.0	26.0	28.0
26	17.0	14.0	11.5	8.0	18.5	18.5	---	26.5	29.0	31.0	25.0	28.0
27	19.5	15.0	11.0	10.5	16.0	18.5	20.0	28.5	29.0	30.5	25.5	28.5
28	15.5	15.5	11.0	10.5	15.0	19.0	21.5	28.0	29.5	30.0	26.0	29.0
29	15.5	6.5	10.5	9.0	---	20.0	23.0	28.0	29.0	30.0	26.5	29.0
30	16.0	7.0	11.5	7.0	---	19.0	23.0	28.5	29.5	30.0	26.5	28.5
31	15.5	---	13.0	6.5	---	19.0	---	28.0	---	30.0	27.0	---

MISSISSIPPI RIVER DELTA

301300089493000 LAKE PONTCHARTRAIN AT NORTH SHORE, NEAR SLIDELL, LA (CE 85683)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4200	4200	3400	2400	1400	1200	2100	1200	1600	1800	3000	3000
2	4000	4000	1600	2800	1800	1500	2100	1200	1800	2200	3200	6100
3	4000	3900	2000	3100	2000	2200	1900	1200	1800	2300	3500	6000
4	3700	3900	2100	2400	1900	3000	2000	1200	1600	2700	4300	3500
5	5400	3900	2200	---	1200	2000	1600	1300	1600	3200	4500	3000
6	5400	4000	3200	2900	1600	3000	1500	1200	1800	6600	5400	3600
7	5300	4000	---	2200	2400	2000	1500	1200	2000	2800	4400	3200
8	4900	3900	3300	3000	2400	2300	1800	1300	1800	2500	5400	3900
9	4200	3800	2400	3100	1700	1700	1700	1300	1800	2500	4400	1600
10	4200	3700	3200	2500	1900	2400	2000	1500	1700	6500	6400	3400
11	4100	3900	3700	2900	2100	2000	1600	1600	1800	3400	6300	6600
12	4400	4000	3200	3100	2300	1600	1200	1300	1700	4400	4500	3100
13	4500	3900	2600	2800	2400	1300	1200	1400	1800	4600	4500	---
14	4500	4000	3500	---	2400	1400	1500	1500	1800	6600	3900	2100
15	4700	3800	3300	---	2300	1700	1400	1600	1900	6600	4600	2500
16	4700	3800	2100	---	2100	1500	1400	1600	1900	3300	4300	2500
17	3700	3800	2100	2200	2400	1600	950	1600	1800	2800	---	2400
18	3800	3800	2300	2200	2300	2100	1400	1800	1800	---	4200	2000
19	5500	3700	3300	1700	2400	2000	1000	1500	1800	---	3800	2000
20	4500	3800	3300	1600	2400	1300	950	1400	2200	3500	---	2700
21	4100	3800	1700	2000	2400	1700	1200	1400	2400	3800	3500	1900
22	3700	3300	3000	1400	2400	2000	1400	1400	1300	3500	---	1800
23	4500	3300	3300	1600	2200	2000	1300	1400	1300	3500	4100	1900
24	4500	3400	3500	1500	2400	2000	1300	1500	1300	3500	3200	1800
25	4800	3400	3000	1600	2200	2000	1500	1800	1000	3800	3700	1800
26	3700	3400	2000	1600	2400	2000	1200	1600	950	3500	4200	1900
27	4100	3400	1700	1700	2400	1200	1300	1600	1000	3000	3700	1800
28	4100	3700	2600	1800	2400	1100	1500	1800	1600	3400	3800	1600
29	5200	2000	2200	1800	---	1000	1400	1800	1600	3300	5600	1900
30	6500	3200	2000	1800	---	2200	1700	2000	1900	3300	5500	1800
31	4400	---	2700	1600	---	2100	---	2000	---	3000	6800	---

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.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. / 100 ML)	HARDNESS (CA, MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)
OCT 27...	1025	9980	7.5	5	2	9.2	1.2	B33	<5	1000	990	65
NOV 22...	1435	9600	7.1	--	2	9.7	1.4	400	B56	1100	1000	73
DEC 15...	1130	9900	6.9	30	4	10.6	2.3	420	84	1100	1100	74
JAN 12...	0950	9260	7.2	5	65	--	--	<5	<5	970	930	75
FEB 15...	1650	7280	7.3	6	15	10.0	2.6	160	33	760	720	57
MAR 16...	1630	4370	6.8	60	10	7.6	.9	--	--	430	410	34
APR 26...	1645	3310	7.4	80	10	8.3	1.0	B350	B36	320	300	28
MAY 27...	1530	6390	7.2	20	6	--	--	220	17	650	620	47
JUN 17...	1213	3640	7.1	15	4	8.0	1.9	B4	4	340	320	25
JUL 20...	1215	3790	7.3	20	7	7.7	1.0	<5	<5	370	350	28
SEP 03...	1105	8620	6.9	30	5	7.5	2.0	B83	54	850	820	62
07...	0930	9490	7.0	15	9	4.6	.1	B75	0	950	920	68

DATE	DIS-SOLVED MAGNESIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
OCT 27...	210	48	0	39	2.4	420	3000	--	6	<1.0	.12	.00
NOV 22...	220	50	0	41	6.4	430	3000	--	1	--	.04	.00
DEC 15...	220	47	0	39	9.5	430	3100	--	4	<1.0	.04	.00
JAN 12...	190	53	0	43	5.4	390	3000	--	10	<1.0	.01	.00
FEB 15...	150	48	0	39	3.8	310	2300	--	21	<1.0	.02	.00
MAR 16...	84	30	0	25	7.6	190	1400	--	24	<1.0	.01	.00
APR 26...	61	23	0	19	1.5	130	900	22	--	<1.0	.01	.01
MAY 27...	130	34	0	28	3.4	260	1900	15	--	<1.0	.11	.01
JUN 17...	67	26	0	21	3.3	150	1000	8	--	<1.0	.03	.00
JUL 20...	73	26	0	21	2.1	160	1100	15	--	<1.0	.00	.00
SEP 03...	170	41	0	34	8.3	360	2500	6	--	<1.0	.00	.02
07...	190	42	0	34	6.7	400	2900	19	--	<1.0	.00	.02

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)
OCT												
27...	.12	.55	.00	1	1	0	0	2	2	<10	0	3
NOV												
22...	.04	--	.04	1	0	0	0	5	5	10	0	9
DEC												
15...	.04	.60	.04	2	1	0	0	2	2	10	0	3
JAN												
12...	.01	.65	.11	1	1	0	0	0	0	20	0	2
FEB												
15...	.02	.48	.05	2	1	0	0	0	0	20	0	4
MAR												
16...	.01	.93	.04	1	1	0	0	0	0	10	0	3
APR												
26...	.02	.99	.05	2	1	0	0	0	0	<10	0	7
MAY												
27...	.12	.56	.03	0	0	0	0	2	2	40	0	4
JUN												
17...	.03	.55	.04	1	1	0	0	0	0	10	0	3
JUL												
20...	.00	.42	.01	0	0	0	0	0	0	10	0	3
SEP												
03...	.00	.72	.00	1	1	10	0	12	0	0	0	8
07...	.02	1.2	.02	0	0	10	0	<10	1	0	0	3

DATE	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT												
27...	3	0	2	0	.1	.1	3	3	0	0	30	10
NOV												
22...	9	30	3	0	.0	.0	4	4	0	0	30	30
DEC												
15...	3	30	3	3	.0	.0	2	0	1	0	20	10
JAN												
12...	2	150	0	0	.0	.0	2	1	0	0	10	10
FEB												
15...	4	40	1	0	.0	.0	3	2	0	0	20	0
MAR												
16...	3	140	0	0	.0	.0	3	3	0	0	10	10
APR												
26...	7	140	0	0	.5	.0	3	0	0	0	20	20
MAY												
27...	4	30	2	0	.4	.0	6	2	0	0	40	40
JUN												
17...	3	10	3	2	.0	.0	7	2	0	0	20	20
JUL												
20...	3	10	5	5	.0	.0	4	0	0	0	0	0
SEP												
03...	2	40	0	0	0	.0	6	2	0	0	20	10
07...	1	30	3	0	.0	.0	5	2	1	1	10	10

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)
OCT 27...	8.2	.00	1	2	.0	.00	.00	.0	.00	.00	.00	.00
NOV 22...	4.3	.00	2	2	.0	.00	.00	.0	.00	.00	.00	.00
DEC 15...	12	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.00
JAN 12...	5.5	.00	0	1	.0	.00	.00	.0	.00	.00	.00	.00
FEB 15...	9.0	.00	1	3	.0	.00	.00	.0	.00	.00	.00	.00
MAR 16...	3.7	.00	0	1	.0	.00	.00	.0	.00	.00	.00	.01
APR 26...	7.4	.00	1	1	.0	.00	.00	.0	.00	.00	.00	.00
MAY 27...	5.9	.00	0	0	.0	.00	.000	.0	.000	.000	.000	.00
JUN 17...	6.1	.00	1	--	.0	.00	.000	.0	.000	.000	.000	.00
JUL 20...	6.1	.00	0	51	.0	.00	.000	.0	.000	.000	.000	.00
SEP 03...	6.8	.00	2	0	.0	.00	.000	.0	.000	.000	.000	.00
07...	6.1	.00	5	0	.0	.00	.000	.0	.000	.000	.000	.00

DATE	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)
OCT 27...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
NOV 22...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
DEC 15...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
JAN 12...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
FEB 15...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
MAR 16...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
APR 26...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
MAY 27...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
JUN 17...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
JUL 20...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
SEP 03...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
07...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 27...	.00	0	.00	.00	.00	.00	.000	.000	--	--	--	--
NOV 22...	.00	0	.00	.00	.00	.00	--	--	.85	.234	--	--
DEC 15...	.00	0	.00	.00	.00	.00	--	--	.49	.069	--	--
JAN 12...	.00	0	.00	.00	.00	.00	--	--	1.06	.351	--	--
FEB 15...	.00	0	.00	.02	.03	.00	--	--	--	--	.936	.000
MAR 16...	.00	0	.00	.00	.00	.00	--	--	--	--	.123	.084
APR 26...	.00	0	.00	.00	.00	.00	--	--	--	--	.048	.133
MAY 27...	.00	0.0	.00	.00	.00	.00	--	--	--	--	--	--
JUN 17...	.00	0.0	.00	--	--	--	--	--	--	--	1.35	.224
JUL 20...	.00	0.0	.00	.30	.00	.00	--	--	--	--	--	--
SEP 03...	.00	0.0	.00	.00	.00	.00	--	--	--	--	--	--
07...	.00	0.0	.00	.00	.00	.00	--	--	--	--	--	--

302150090102000 LAKE PONTCHARTRAIN AT MOUTH OF TCHEFUNCTA 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.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	CHEM- ICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND (MG/L)	IMME- DIATE COLI- FORM (COL. PER 100 ML)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)
OCT 27...	1115	5710	7.5	5	2	9.3	--	1.4	<5	<5	590	560
NOV 22...	1415	4930	7.2	--	3	9.6	--	1.8	842	830	640	610
DEC 15...	1120	8450	7.0	20	3	10.8	--	5.0	400	59	900	860
JAN 12...	0910	2980	6.8	40	9	--	26	--	2200	8320	260	240
FEB 15...	1710	5270	7.1	10	7	10.1	--	1.4	27	11	560	530
MAR 16...	1646	1340	6.7	80	15	5.9	39	1.3	620	320	130	110
APR 22...	1135	1540	7.2	50	40	6.8	50	3.2	4800	82100	170	150
MAY 27...	1600	1990	6.9	55	7	--	35	--	820	20	190	170
JUN 17...	1156	7220	7.2	5	30	7.8	--	1.3	<5	0	750	710
JUL 20...	1230	2680	7.1	25	15	7.4	45	1.7	75	45	260	240
SEP 03...	1045	4680	7.0	40	4	5.1	--	1.7	140	0	460	440
07...	0900	380	6.2	80	15	4.7	45	2.0	2000	8600	37	29

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED CAL- CIUM (CA) (MG/L)	DIS-SOLVED MAG- NE- SIUM (MG) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
OCT 27...	37	120	38	0	31	250	1700	--	6	<1.0	.04	.00
NOV 22...	41	130	34	0	28	250	1600	--	16	--	.05	.01
DEC 15...	63	180	42	0	34	360	2600	--	4	<1.0	.05	.00
JAN 12...	21	51	24	0	20	93	710	--	9	<1.0	.10	.01
FEB 15...	42	110	38	0	31	240	1500	--	12	<1.0	--	--
MAR 16...	12	24	22	0	18	51	360	--	20	<1.0	.09	.01
APR 22...	18	30	29	0	24	61	420	86	--	<1.0	.28	.01
MAY 27...	16	37	22	0	18	75	550	0	--	<1.0	.02	.01
JUN 17...	52	150	50	0	41	180	2100	12	--	<1.0	.03	.00
JUL 20...	20	50	26	0	21	110	740	67	--	--	.00	.00
SEP 03...	35	91	31	0	25	91	1350	--	--	<1.0	.04	.01
07...	4.2	6.5	10	0	8	16	96	37	--	--	.04	.01

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS-SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)
OCT 27...	.04	1.1	.00	1	1	0	0	1	1	<10	0	--
NOV 22...	.06	--	.04	0	0	0	0	3	3	<10	0	4
DEC 15...	.05	.82	.08	2	2	0	0	3	3	10	0	5
JAN 12...	.11	.52	.08	1	0	0	0	0	0	20	0	2
FEB 15...	--	.65	--	1	1	0	0	0	0	10	0	7
MAR 16...	10	.86	.07	1	1	0	0	0	0	10	0	3
APR 22...	.29	1.2	.15	3	1	0	0	0	0	10	0	7
MAY 27...	.03	.76	.06	2	1	0	0	0	0	10	0	3
JUN 17...	.03	.55	.04	2	2	0	0	2	2	10	0	4
JUL 20...	.00	.58	.01	0	0	0	0	0	0	<10	0	2
SEP 03...	.05	--	.00	1	0	10	10	10	2	10	0	<10
07...	.05	1.4	.06	1	0	0	0	<10	1	0	0	4

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT 27...	8	0	2	0	.1	.1	4	3	0	0	40	40
NOV 22...	4	40	--	--	.5	.5	4	1	0	0	10	0
DEC 15...	5	20	2	0	.0	.0	0	0	0	0	10	10
JAN 12...	2	110	0	0	.0	.0	21	2	0	0	50	20
FEB 15...	7	50	3	0	.0	.0	4	2	0	0	20	20
MAR 16...	3	150	2	0	.0	.0	3	3	0	0	10	10
APR 22...	5	140	3	3	.2	.0	6	2	0	0	10	10
MAY 27...	3	220	0	0	.0	.0	5	1	0	0	40	30
JUN 17...	4	10	2	2	.2	.0	7	3	0	0	10	10
JUL 20...	2	20	3	3	.0	.0	4	2	0	0	0	0
SEP 03...	2	140	<100	0	.1	.0	<50	2	1	1	20	20
07...	4	420	1	1	.1	.0	2	2	0	0	20	20

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)
OCT 27...	10	.00	2	0	.0	.00	.00	.0	.00	.00	.00	.00
NOV 22...	3.2	.00	2	0	.0	.00	.00	.0	.00	.00	.00	.00
DEC 15...	7.1	.00	0	2	.0	.00	.00	.0	.00	.00	.00	.00
JAN 12...	5.1	.00	0	2	.0	.00	.00	.0	.00	.00	.00	.00
FEB 15...	8.0	.00	1	1	.0	.00	.00	.0	.00	.00	.00	.00
MAR 16...	1.3	.00	2	1	.0	.00	.00	.0	.00	.00	.00	.00
APR 22...	6.1	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.01
MAY 27...	6.1	.00	0	0	.0	.00	.000	.0	.000	.000	.000	.00
JUN 17...	5.5	.00	0	2	.0	.00	.000	.0	.000	.000	.000	.00
JUL 20...	7.1	.00	0	2	.0	.00	.000	.0	.000	.000	.000	.00
SEP 03...	9.2	--	--	0	.0	.00	.000	.0	.000	.000	.000	.00
07...	12	.00	8	0	.0	.00	.000	.0	.000	.000	.000	.00

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)
OCT 27...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00
NOV 22...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00
DEC 15...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00
JAN 12...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00
FEB 15...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00
MAR 16...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00
APR 22...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00
MAY 27...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
JUN 17...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
JUL 20...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
SEP 03...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
07...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00

DATE	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 27...	.00	.00	0	.00	.00	.00	.00	--	--	--	--
NOV 22...	.00	.00	0	.00	.00	.00	.00	.71	.117	--	--
DEC 15...	.00	.00	0	.00	.00	.00	.00	.94	.381	--	--
JAN 12...	--	.00	0	.00	.00	.00	.00	.41	.291	--	--
FEB 15...	.00	.00	0	.00	.00	.00	.00	--	--	.095	.000
MAR 16...	.00	.00	0	.00	.00	.00	.00	--	--	.630	.166
APR 22...	.00	.00	0	.00	.02	.00	.00	--	--	.229	.072
MAY 27...	.00	.00	0.0	.00	.05	.00	.00	--	--	--	--
JUN 17...	.00	.00	0.0	.00	.00	.03	.00	--	--	2.05	.481
JUL 20...	.00	.00	0.0	.00	.00	.00	.00	--	--	--	--
SEP 03...	.00	.00	0.0	.00	.04	.01	.00	--	--	--	--
07...	.00	.00	0.0	.00	.02	.01	.00	--	--	--	--

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.

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

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

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL./100 ML)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT 27...	1125	4560	7.5	15	10	9.1	6	1.2	B33	B13	460	440
NOV 22...	1405	2580	7.0	--	3	9.6	19	1.8	230	63	250	230
DEC 15...	1110	7660	6.9	15	3	11.2	24	2.2	B56	11	840	810
JAN 12...	0900	4060	6.7	20	30	--	31	--	1400	940	380	360
FEB 15...	1720	1540	7.3	30	25	9.8	37	1.1	B36	13	150	120
MAR 16...	1705	418	6.4	80	15	7.0	30	.8	88	86	41	21
APR 26...	1705	824	6.9	100	20	6.3	46	1.3	B350	B52	84	74
MAY 27...	1610	1520	7.3	50	10	--	16	--	<5	0	150	130
JUN 17...	1141	3880	7.1	5	5	7.0	20	1.1	B100	17	110	85
JUL 20...	1240	3050	7.0	20	5	7.6	45	1.5	20	<5	300	280
SEP 03...	1030	2790	7.0	50	25	5.6	56	2.2	4000	<5	270	220
07...	0845	--	--	--	--	1.2	--	2.9	B180	B40	--	--

[illegible]

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)
OCT 27...	.05	.51	.00	1	1	0	0	0	0	<10	0	1
NOV 22...	.13	--	.08	0	0	0	0	0	0	<10	0	2
DEC 15...	.04	.77	.03	1	1	0	0	2	2	10	0	3
JAN 12...	.17	.57	.15	3	0	0	0	0	0	20	0	5
FEB 15...	.25	.79	.12	2	1	0	0	0	0	20	0	4
MAR 16...	.21	.71	.06	1	0	0	0	0	0	<10	0	4
APR 26...	.08	.80	.12	1	1	0	0	0	0	<10	0	0
MAY 27...	.05	.46	.06	1	1	0	0	0	0	20	0	2
JUN 17...	.06	.46	.06	1	1	0	0	0	0	10	0	3
JUL 20...	.01	.58	.01	1	1	0	0	0	0	<10	0	4
SEP 03...	.01	.79	.06	1	1	10	0	5	0	0	0	9
07...	.07	1.9	.15	--	1	10	10	<10	1	10	0	4

DATE	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT 27...	0	0	4	0	.1	.1	4	2	0	0	20	10
NOV 22...	2	90	3	1	.3	.1	3	0	0	0	10	10
DEC 15...	2	10	2	0	.0	.0	3	0	0	0	20	10
JAN 12...	4	70	2	0	.0	.0	4	4	0	0	10	10
FEB 15...	4	100	3	0	.0	.0	3	3	0	0	10	10
MAR 16...	4	210	0	0	.0	.0	3	3	0	0	10	10
APR 26...	--	200	0	0	.0	.0	2	0	0	0	10	10
MAY 27...	2	90	0	0	.0	.0	4	1	0	0	30	20
JUN 17...	3	60	4	4	.0	.0	4	2	0	0	20	10
JUL 20...	4	10	4	4	.0	.0	3	2	0	0	0	0
SEP 03...	3	290	2	0	.0	.0	11	1	0	0	10	10
07...	2	530	5	1	.1	.0	5	2	--	0	10	10

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)
OCT 27...	7.3	.00	5	0	.0	.00	.00	.0	.00	.00	.00	.00
NOV 22...	5.2	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.00
DEC 15...	7.4	.00	0	1	--	--	--	--	--	--	--	--
JAN 12...	5.3	.00	0	1	.0	.00	.00	.0	.00	.00	.00	.00
FEB 15...	9.0	.00	8	1	--	--	--	--	--	--	--	.00
MAR 16...	5.3	.00	0	2	.0	.00	.00	.0	.00	.00	.00	.02
APR 26...	5.2	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.00
MAY 27...	6.2	.00	0	0	.0	.00	.000	.0	.000	.000	.000	.00
JUN 17...	5.3	.00	2	--	.0	.00	.000	.0	.000	.000	.000	.00
JUL 20...	5.6	.00	0	2	.0	.00	.000	.0	.000	.000	.000	.00
SEP 03...	11	.00	3	0	.0	.00	.00	.0	.000	.000	.000	.00
07...	10	--	--	0	.0	.00	.00	.0	.000	.000	.000	.00

DATE	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR- (UG/L)	TOTAL HEPTA- CHLOR- EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)
OCT 27...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00
NOV 22...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00
DEC 15...	--	--	--	--	--	--	--	--	--	--	--
JAN 12...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00
FEB 15...	--	--	--	.00	--	--	--	.00	--	.00	.00
MAR 16...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00
APR 26...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00
MAY 27...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
JUN 17...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
JUL 20...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
SEP 03...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
07...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 27...	.00	.00	0	.00	.04	.00	.00	--	--	--	--
NOV 22...	.00	.00	0	.00	.00	.00	.00	.41	.291	--	--
DEC 15...	.00	--	--	--	--	--	--	1.59	.176	--	--
JAN 12...	.00	.00	0	.00	.00	.00	.00	3.89	1.69	--	--
FEB 15...	.00	.00	--	.00	.06	.00	.00	--	--	.390	.015
MAR 16...	.00	.00	0	.00	.12	.00	.00	--	--	.263	.032
APR 26...	.00	.00	0	.00	.04	.01	.00	--	--	.024	.092
MAY 27...	.00	.00	0.0	.00	.00	.00	.00	--	--	.154	.042
JUN 17...	.00	.00	0.0	.00	.00	.01	.00	--	--	--	--
JUL 20...	.00	.00	0.0	.00	.00	.00	.00	--	--	--	--
SEP 03...	.00	.00	0.0	.00	.04	.02	.00	--	--	--	--
07...	.00	.00	0.0	.00	.01	.01	.00	--	--	--	--

07380230 PASS MANHAC AT MANHAC, 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.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

CHLORIDE: Maximum daily, 8,400 mg/L Apr. 19, 1977; minimum daily, 18 mg/L Sep. 11, 12, 1975, Sep. 1, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 30.0°C Aug. 1; minimum daily, 4.5°C Jan. 18, 20, Feb. 1, 6, 8, 9.

CHLORIDE: Maximum daily, 8,400 mg/L Apr. 19; minimum daily, 18 mg/L Sep. 1.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

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

MISSISSIPPI RIVER DELTA

07380230 PASS MANGHAC AT MANHAC, LA (CE 85420)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	740	1400	880	---	250	980	45	160	560	1200	530	18
2	810	1600	770	1500	250	600	26	160	410	1200	1200	1200
3	800	1400	820	1800	250	400	41	140	540	1400	1200	1200
4	760	1100	---	700	200	900	34	140	540	1600	1100	1300
5	1500	1100	---	650	120	540	---	110	540	1400	760	980
6	1700	1400	---	630	140	600	---	100	430	1200	1200	910
7	1300	1400	---	530	130	460	1400	68	480	520	860	880
8	1000	1200	---	640	140	380	1300	130	480	600	880	480
9	1100	1000	---	660	130	340	1300	130	630	740	880	290
10	660	1400	---	330	140	240	1300	440	370	1000	860	650
11	1200	1100	---	1000	140	250	1300	260	340	1000	1200	580
12	980	1200	---	160	220	320	1300	520	360	940	1300	460
13	1200	1600	---	920	160	260	1200	200	320	640	1100	380
14	920	1800	---	1200	190	250	2100	320	410	1100	1500	350
15	900	1200	---	350	170	310	2300	180	610	930	860	310
16	920	750	---	360	160	250	2600	260	520	1200	780	220
17	1400	800	---	300	150	420	3600	210	360	1400	840	240
18	800	800	---	240	160	200	4100	420	680	1500	980	200
19	1300	1000	---	190	160	500	8400	400	240	1400	820	210
20	1600	1200	---	350	130	180	8300	300	250	990	940	370
21	700	920	440	340	140	460	8300	190	230	660	630	200
22	650	900	250	420	1300	400	3600	390	260	710	700	220
23	1200	880	210	550	1500	260	400	540	540	740	850	270
24	1500	870	640	950	1100	600	410	500	630	800	600	240
25	1000	870	250	270	820	1000	380	390	170	760	800	200
26	1100	910	1800	440	760	1100	360	230	160	740	350	200
27	1000	1100	700	560	600	1200	300	200	130	710	500	200
28	1200	1100	700	800	510	120	230	200	750	730	110	180
29	2100	800	760	360	---	55	190	90	980	690	28	520
30	2000	780	---	590	---	55	170	110	1400	620	22	420
31	1100	---	1600	750	---	50	---	130	---	600	21	---

301730090180000 LAKE PONTCHARTRAIN AT PASS MANCHAC, NEAR MANCHAC, LA (CE 85430)

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.--Indeterminate.

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

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL./100 ML)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT 27...	1135	5150	7.4	10	15	9.8	10	1.8	B25	<5	510	480
NOV 22...	1350	3430	7.1	--	4	10.8	30	3.0	B42	B3	350	340
DEC 15...	1100	7690	6.9	20	4	11.0	29	2.7	120	23	840	810
JAN 12...	0830	3420	6.9	20	20	--	22	--	B150	110	330	300
FEB 15...	1730	1520	7.1	40	30	9.7	30	.7	B40	12	160	130
MAR 16...	1715	663	6.9	80	35	7.7	32	.6	B20	13	74	49
APR 22...	1120	5500	7.6	20	15	7.6	140	1.4	--	18	610	570
MAY 27...	1620	1260	7.3	55	20	--	24	--	B50	11	120	100
JUN 17...	1133	1280	7.1	50	10	6.9	26	.5	B24	4	130	110
JUL 20...	1250	1470	7.0	30	8	5.9	40	1.8	B120	100	140	130
SEP 03...	1020	4900	6.8	30	7	7.1	69	2.2	B650	0	480	450
07...	0830	4370	7.0	30	15	6.1	49	1.3	720	22	420	390

DATE	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
OCT 27...	38	100	30	0	1.9	220	1500	--	34	<1.0	.04	.00
NOV 22...	28	69	23	0	2.9	140	870	--	11	--	.18	.00
DEC 15...	56	170	40	0	8.1	340	2300	--	5	<1.0	.05	.00
JAN 12...	26	64	33	0	6.6	130	990	--	42	<1.0	.15	.01
FEB 15...	16	28	32	0	4.1	63	430	--	29	<1.0	.23	.01
MAR 16...	9.7	12	30	0	6.0	28	170	--	42	<1.0	.38	.02
APR 22...	47	120	50	0	2.0	250	1700	--	--	<1.0	.09	.01
MAY 27...	12	23	27	0	2.2	49	340	12	--	<1.0	.15	.00
JUN 17...	12	24	26	0	3.3	50	340	24	--	<1.0	.05	.01
JUL 20...	12	27	19	0	3.0	58	390	7	--	<1.0	.12	.01
SEP 03...	37	94	33	0	8.4	200	1400	7	--	<1.0	.10	.02
07...	31	82	34	0	5.4	170	1300	--	--	--	.13	.03

301730090180000 LAKE PONTCHARTRAIN AT PASS MANCHAC, NEAR MANCHAC, LA (CE 85430)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)
OCT 27...	.04	.47	.00	1	1	0	0	0	0	<10	0	3
NOV 22...	.18	--	.01	0	0	0	0	0	0	<10	0	2
DEC 15...	.05	.69	.04	1	1	0	0	1	0	10	0	3
JAN 12...	.16	.63	.11	2	1	0	0	0	0	20	0	4
FEB 15...	.24	.95	.13	2	1	0	0	0	0	20	0	6
MAR 16...	.40	.85	.12	2	1	0	0	0	0	10	0	7
APR 22...	.10	.73	.08	2	2	0	0	0	0	<10	0	3
MAY 27...	.15	.72	.09	2	1	0	0	0	0	10	0	4
JUN 17...	.06	.71	.09	3	2	0	0	2	2	20	0	5
JUL 20...	.13	.64	.08	2	0	0	0	2	0	10	0	2
SEP 03...	.12	.62	.05	1	0	10	10	12	0	0	0	10
07...	.16	.61	.06	1	1	10	10	<10	0	10	0	20

DATE	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT 27...	3	0	3	0	.1	.0	4	0	1	1	40	10
NOV 22...	2	20	3	2	.0	.0	2	2	0	0	10	10
DEC 15...	3	10	--	--	.0	.0	0	0	1	1	10	10
JAN 12...	2	80	0	0	.0	.0	4	1	0	0	10	10
FEB 15...	6	120	3	0	.0	.0	5	2	0	0	10	10
MAR 16...	5	90	3	0	.0	.0	4	3	0	0	30	20
APR 22...	3	330	3	3	.0	.0	4	0	0	0	30	10
MAY 27...	4	130	1	0	.0	.0	6	1	0	0	40	20
JUN 17...	5	130	3	3	.0	.0	6	4	0	0	10	0
JUL 20...	2	120	3	3	.0	.0	3	0	0	0	0	0
SEP 03...	5	90	2	2	.0	.0	7	2	0	0	20	20
07...	2	50	1	1	.0	.0	2	2	1	1	10	10

301730090180000 LAKE PONTCHARTRAIN AT PASS MANCHAC, NEAR MANCHAC, LA (CE 85430)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)
OCT 27...	8.9	.00	4	2	.0	.00	.00	.0	.00	.00	.00	.00
NOV 22...	4.5	.00	1	0	.0	.00	.00	.0	.00	.00	.00	.00
DEC 15...	8.2	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.00
JAN 12...	5.2	.00	0	2	.0	.00	.00	.0	.00	.00	.00	.00
FEB 15...	9.2	.00	6	1	.0	.00	.00	.0	.00	.00	.00	.00
MAR 16...	5.2	.00	1	0	.0	.00	.00	.0	.00	.00	.00	.02
APR 22...	6.0	--	--	0	.0	.00	.00	.0	.00	.00	.00	.00
MAY 27...	7.0	.00	0	0	.0	.00	.001	.0	.000	.000	.000	.00
JUN 17...	4.8	.00	1	--	.0	.00	.000	.0	.000	.000	.000	.00
JUL 20...	4.1	.00	0	27	.0	.00	.000	.0	.000	.000	.000	.00
SEP 03...	7.3	.00	2	0	.0	.00	.000	.0	.000	.000	.000	.00
07...	7.4	.00	5	0	.0	.00	.000	.0	.000	.000	.000	.00

DATE	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)
OCT 27...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00
NOV 22...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00
DEC 15...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00
JAN 12...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00
FEB 15...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00
MAR 16...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00
APR 22...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00
MAY 27...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
JUN 17...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
JUL 20...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
SEP 03...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00
07...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00

301730090180000 LAKE PONTCHARTRAIN AT PASS MANHAC, NEAR MANHAC, LA (CE 85430)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT											
27...	.00	.00	0	.00	.06	.00	.00	--	--	--	--
NOV											
22...	.00	.00	0	.00	.00	.00	.00	1.91	.174	--	--
DEC											
15...	.00	.00	0	.00	.00	.00	.00	.23	.888	--	--
JAN											
12...	.00	.00	0	.00	.00	.00	.00	.71	.117	--	--
FEB											
15...	.00	.00	0	.00	.05	.00	.00	--	--	.495	.000
MAR											
16...	.00	.00	0	.00	.00	.00	.00	--	--	.157	.045
APR											
22...	.00	.00	0	.00	.06	.00	.00	--	--	--	--
MAY											
27...	.01	.00	0.0	.00	.01	.01	.01	--	--	--	--
JUN											
17...	.00	.00	0.0	.00	.03	.00	.00	--	--	1.71	--
JUL											
20...	.00	.00	0.0	.00	.06	.03	.00	--	--	--	--
SEP											
03...	.00	.00	0.0	.00	.03	.02	.00	--	--	--	--
07...	.00	.00	0.0	.00	.05	.02	.01	--	--	--	--

MISSISSIPPI RIVER DELTA

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

LOCATION.--Lat 30°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.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. / 100 ML)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT 27...	1150	3530	7.3	10	7	8.7	8	.8	833	<1	350	330
NOV 22...	1335	3180	6.9	--	3	10.6	26	1.4	850	87	310	300
DEC 15...	1045	3040	7.0	15	3	11.6	29	3.0	--	0	330	310
JAN 12...	0820	2540	6.8	40	25	--	29	--	100	825	240	220
FEB 15...	1740	506	7.1	110	25	9.6	33	.5	20	12	59	39
MAR 16...	1730	545	7.1	100	40	7.8	34	.3	10	1	63	42
APR 22...	1100	859	7.4	50	20	8.7	34	1.1	390	7	110	86
MAY 27...	1630	505	7.4	80	20	--	30	--	<5	0	56	34
JUN 17...	1110	8640	7.2	50	10	7.1	--	1.5	<5	0	82	58
JUL 20...	1310	2780	7.3	20	6	7.5	--	1.4	810	<1	270	250
SEP 03...	1000	4420	6.8	30	3	5.4	62	1.5	520	0	440	420
07...	0815	1600	7.0	5	8	7.0	--	.7	840	0	160	140

DATE	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)
OCT 27...	25	70	24	0	1.9	140	970	--	18	<1.0	.02	.00
NOV 22...	22	63	22	0	4.4	130	830	--	1	--	.01	.01
DEC 15...	38	56	22	0	3.5	120	850	--	7	<1.0	.01	.00
JAN 12...	20	47	30	0	7.6	94	720	--	45	<1.0	.15	.01
FEB 15...	8.5	9.1	24	0	3.1	23	130	--	15	<1.0	.25	.02
MAR 16...	8.8	9.9	25	0	3.2	23	140	--	32	<1.0	.57	.03
APR 22...	14	17	29	0	1.8	30	220	6	--	<1.0	.36	.01
MAY 27...	7.0	9.3	26	0	1.7	19	130	5	--	<1.0	.14	.02
JUN 17...	6.4	16	29	0	2.9	36	220	7	--	<1.0	.03	.01
JUL 20...	20	53	24	0	1.9	110	770	8	--	<1.0	.01	.00
SEP 03...	33	87	27	0	6.8	180	1200	2	--	<1.0	.12	.02
07...	14	30	20	0	3.2	64	430	--	--	--	.27	.01

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)
OCT 27...	5.0	.00	6	3	.0	.00	.00	.0	.00	.00	.00	.00
NOV 22...	4.8	.00	2	0	.0	.00	.00	.0	.00	.00	.00	.01
DEC 15...	6.2	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.01
JAN 12...	4.9	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.00
FEB 15...	7.0	.00	0	2	.0	.00	.00	.0	.00	.00	.00	.00
MAR 16...	4.2	.00	0	3	.0	.00	.00	.0	.00	.00	.00	.00
APR 22...	4.6	.00	0	0	.0	.00	.00	.0	.00	.00	.00	.01
MAY 27...	6.4	.00	0	1	.0	.00	.000	.0	.000	.000	.000	.00
JUN 17...	6.0	.00	0	5	.0	.00	.000	.0	.000	.000	.000	.00
JUL 20...	5.0	.00	0	2	.0	.00	.000	.0	.000	.000	.000	.00
SEP 03...	6.5	.00	2	0	.0	.00	.000	.0	.000	.000	.000	.00
07...	7.0	--	13	0	.0	.00	.000	.0	.000	.000	.000	.00

DATE	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)
OCT 27...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
NOV 22...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
DEC 15...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
JAN 12...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
FEB 15...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
MAR 16...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
APR 22...	.00	--	.00	.00	.00	.00	.00	.00	--	.00	.00	.00
MAY 27...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
JUN 17...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
JUL 20...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
SEP 03...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00
07...	.000	.000	.000	.00	.000	.000	.000	.00	.00	.00	.00	.00

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT												
27...	.00	0	.00	.06	.00	.00	--	--	--	--	--	--
NOV												
22...	.00	0	.00	.00	.00	.00	--	--	1.47	1.17	--	--
DEC												
15...	.00	0	.00	.00	.00	.00	--	--	4.23	1.38	--	--
JAN												
12...	.00	0	.00	.03	.00	.00	--	--	1.11	.524	--	--
FEB												
15...	.00	0	.00	.03	.00	.00	--	--	--	--	.003	.045
MAR												
16...	.00	0	.00	.01	.00	.00	--	--	--	--	.078	.180
APR												
22...	.00	0	.00	.04	.00	.00	--	--	--	--	.068	.011
MAY												
27...	.00	0.0	.00	.05	.00	.00	--	--	--	--	--	--
JUN												
17...	.00	0.0	.03	.04	.00	.00	--	--	--	--	1.04	.109
JUL												
20...	.00	0.0	.00	--	--	--	2.27	.000	--	--	--	--
SEP												
03...	.00	0.0	.00	.03	.01	.00	--	--	--	--	--	--
07...	.00	0.0	.00	.05	.02	.00	--	--	--	--	--	--

DATE	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)
OCT												
27...	.02	.46	.00	1	1	0	0	0	0	<10	0	2
NOV												
22...	.02	--	.03	1	0	0	0	0	0	<10	0	9
DEC												
15...	.01	.71	.05	1	1	0	0	0	0	10	0	4
JAN												
12...	.16	.62	.11	2	1	0	0	0	0	20	0	4
FEB												
15...	.27	1.2	.12	2	1	0	0	0	0	20	0	8
MAR												
16...	.60	.47	.13	2	1	0	0	0	0	10	0	5
APR												
22...	.37	1.1	.11	2	1	0	0	0	0	<10	0	5
MAY												
27...	.16	.67	.12	2	1	0	0	0	0	20	0	5
JUN												
17...	.04	.75	.08	4	2	0	0	7	7	<10	0	8
JUL												
20...	.01	.63	.10	1	1	0	0	0	0	<10	0	6
SEP												
03...	.14	.54	.03	1	0	0	0	29	1	0	0	8
07...	.28	1.2	.07	--	0	10	0	10	2	10	0	<10

MISSISSIPPI RIVER DELTA

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT 27...	2	0	3	0	.1	.1	7	1	0	0	30	10
NOV 22...	9	20	2	1	.2	.2	4	4	0	0	10	10
DEC 15...	4	10	0	0	.0	.0	0	0	0	0	10	10
JAN 12...	3	110	2	0	.0	.0	3	3	0	0	10	10
FEB 15...	8	330	2	2	.0	.0	--	--	0	0	20	20
MAR 16...	5	120	3	0	.0	.0	5	4	0	0	30	30
APR 22...	5	140	0	0	.0	.0	3	0	0	0	10	10
MAY 27...	5	230	1	0	.0	.0	2	2	0	0	30	30
JUN 17...	8	210	0	0	.0	.0	14	3	0	0	30	0
JUL 20...	6	20	3	3	.0	.0	5	2	0	0	10	0
SEP 03...	3	30	0	0	.0	.0	4	2	1	0	10	10
07...	--	110	<100	26	--	.0	<50	2	--	0	30	30

07376000 TICKFAW RIVER AT HOLDEN, LA

LOCATION.--Lat 30°30'13", long 90°40'38", in sec.26, T.7 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 area.

GAGE.--Water-stage recorder. Datum of gage is 19.15 ft (5.837 m) above mean sea level. Prior to Sept. 13, 1944, nonrecording gage, Sept. 14, 1944, to June 14, 1948, water-stage recorder, June 15, 1949, to Dec. 9, 1949, nonrecording gage at same site and datum.

REMARKS.--Records good except those for period of no gage-height record, which are fair.

AVERAGE DISCHARGE.--37 years, 359 ft³/s (10.17 m³/s), 19.74 in/yr (501 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 discharge 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. 17	0745	2,490 70.5	11.36 3.463	Sept. 7	1045	10,900 309	18.44 5.621
Apr. 22	1600	*18,100 513	*20.18 6.151				

Minimum discharge, 85 ft³/s (2.41 m³/s) Oct. 21, 22, 23, 24, 28, 29; gage height, 0.93 ft (0.283 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	90	131	285	194	475	635	1130	318	127	100	111	166
2	88	111	202	183	423	534	1660	377	126	104	112	152
3	88	101	157	258	658	356	1210	582	125	129	128	136
4	87	96	139	383	978	551	498	512	126	110	130	125
5	86	93	130	386	1080	1010	411	365	122	97	140	335
6	90	92	134	343	735	1310	409	298	120	91	125	2550
7	140	91	296	478	484	1350	428	260	118	89	112	9170
8	111	90	433	583	377	1420	356	235	117	89	107	5670
9	96	90	374	449	320	1150	282	220	116	98	103	3400
10	92	91	281	598	282	627	239	207	114	120	101	2760
11	91	92	207	751	256	441	212	195	113	140	99	2050
12	90	97	193	525	242	378	194	187	113	160	112	1460
13	89	101	259	377	239	394	181	187	113	180	103	1040
14	89	115	360	687	268	415	172	179	117	160	101	769
15	88	120	442	1300	291	376	164	169	117	130	100	841
16	88	135	429	2020	267	313	160	164	116	120	97	944
17	88	134	358	2380	234	272	155	160	115	110	96	810
18	87	119	289	1720	214	245	152	157	115	130	98	575
19	87	113	229	915	200	225	165	153	112	119	132	434
20	86	114	224	487	190	208	978	150	111	109	191	347
21	86	112	236	396	183	196	3210	147	110	103	240	294
22	86	111	241	341	177	166	13400	145	108	107	219	259
23	85	109	223	305	173	180	14400	143	107	103	191	232
24	85	106	193	282	177	175	6260	148	105	101	398	212
25	87	103	244	266	362	175	3460	146	104	103	1220	196
26	86	104	476	252	537	175	2310	140	103	135	1040	183
27	86	104	631	263	483	176	929	137	102	337	434	174
28	85	150	519	271	580	181	546	134	102	181	243	167
29	89	303	378	260	---	225	432	132	101	247	187	160
30	129	359	281	251	---	410	362	130	101	141	156	155
31	166	---	228	388	---	646	---	128	---	117	177	---
TOTAL	2921	3687	9071	18292	10885	14935	54465	6605	3396	4060	6803	35766
MEAN	94.2	123	293	590	389	482	1816	213	113	131	219	1192
MAX	166	359	631	2380	1080	1420	14400	582	127	337	1220	9170
MIN	85	90	130	183	173	175	152	128	101	89	96	125
CFSM	.38	.50	1.19	2.39	1.57	1.95	7.35	.86	.46	.53	.89	4.83
IN.	.44	.56	1.37	2.75	1.64	2.25	8.20	.99	.51	.61	1.02	5.39
CAL YR 1976	TOTAL	65771	MEAN 180	MAX 1380	MIN 85	CFSM .73	IN 9.91					
WTR YR 1977	TOTAL	170886	MEAN 468	MAX 14400	MIN 85	CFSM 1.89	IN 25.74					

MISSISSIPPI RIVER DELTA

07376000 TICKFAW RIVER AT HOLDEN, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.00	1.53	2.75	2.13	3.89	4.77	7.13	3.04	1.70	1.36	1.49	2.05
2	.98	1.28	2.18	2.04	3.59	4.22	9.05	3.36	1.70	1.41	1.50	1.93
3	.97	1.16	1.81	2.57	4.82	3.19	7.25	4.48	1.68	1.70	1.69	1.77
4	.96	1.08	1.63	3.35	6.48	4.28	4.02	4.10	1.70	---	1.70	1.65
5	.95	1.05	1.52	3.37	6.94	6.63	3.52	3.31	1.65	---	1.81	2.94
6	1.00	1.03	1.56	3.11	5.27	7.87	3.50	2.93	1.63	---	1.65	11.32
7	1.62	1.02	2.81	3.90	3.94	8.04	3.62	2.71	1.61	---	1.50	17.72
8	1.29	1.01	3.65	4.48	3.32	8.28	3.19	2.56	1.59	---	1.45	15.89
9	1.09	1.00	3.30	3.74	2.96	7.20	2.73	2.46	1.57	---	1.39	13.23
10	1.04	1.01	2.72	4.56	2.73	4.71	2.45	2.38	1.56	---	1.37	12.00
11	1.01	1.03	2.22	5.35	2.56	3.69	2.26	2.30	1.55	---	1.35	10.17
12	1.00	1.10	2.12	4.16	2.46	3.32	2.13	2.25	1.54	---	1.50	8.39
13	.99	1.16	2.57	3.32	2.44	3.42	2.02	2.24	1.55	---	1.39	6.75
14	.98	1.33	3.22	5.01	2.63	3.55	1.95	2.19	1.59	---	1.37	5.44
15	.98	1.39	3.70	7.78	2.78	3.31	1.88	2.11	1.59	---	1.35	5.81
16	.97	1.58	3.63	10.08	2.63	2.92	1.84	2.07	1.57	---	1.32	6.32
17	.97	1.57	3.20	11.07	2.41	2.66	1.79	2.03	1.56	---	1.30	5.65
18	.96	1.39	2.77	9.23	2.27	2.48	1.76	2.00	1.56	---	1.33	4.44
19	.96	1.30	2.38	6.09	2.17	2.35	1.86	1.97	1.53	---	1.72	3.68
20	.94	1.32	2.34	3.95	2.10	2.23	6.23	1.94	1.51	---	2.24	3.21
21	.94	1.29	2.42	3.43	2.04	2.14	12.78	1.91	1.49	1.40	2.57	2.90
22	.94	1.28	2.46	3.10	1.99	2.06	18.73	1.89	1.47	1.43	2.43	2.69
23	.93	1.26	2.34	2.87	1.96	2.02	19.33	1.87	1.46	1.39	2.25	2.53
24	.94	1.22	2.12	2.73	1.99	1.98	16.25	1.92	1.44	1.37	3.41	2.40
25	.96	1.19	2.45	2.62	3.18	1.97	13.32	1.90	1.43	1.39	7.51	2.29
26	.95	1.19	3.89	2.53	4.23	1.97	10.85	1.84	1.41	1.66	6.68	2.20
27	.94	1.20	4.74	2.61	3.93	1.99	6.16	1.81	1.40	3.13	3.67	2.13
28	.93	1.72	4.13	2.65	4.46	2.02	4.28	1.78	1.38	2.16	2.58	2.07
29	.99	2.85	3.32	2.58	---	2.34	3.67	1.76	1.38	2.60	2.21	2.02
30	1.51	3.21	2.72	2.52	---	3.51	3.30	1.74	1.37	1.82	1.97	1.98
31	1.88	---	2.37	3.38	---	4.79	---	1.72	---	1.56	2.14	---
MEAN	1.05	1.36	2.74	4.20	3.29	3.74	5.96	2.34	1.54	---	2.19	5.45
MAX	1.88	3.21	4.74	11.07	6.94	8.28	19.33	4.48	1.70	3.13	7.51	17.72
MIN	.93	1.00	1.52	2.04	1.96	1.97	1.76	1.72	1.37	---	1.30	1.65

07376500 NATALBANY RIVER AT BAPTIST, LA

LOCATION.--Lat 30°30'15", long 90°32'45", in NE¼NW¼ sec.30, T.6 S., R.7 E., St. Helena meridian, Tangipahoa Parish, 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) above mean sea level. Prior to June 4, 1948, nonrecording gage, and June 4, 1948, to Apr. 13, 1950, water-stage recorder at old highway bridge 100 ft (30 m) upstream at same datum.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1977 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--34 years, 114 ft³/s (3.228 m³/s), 19.47 in/yr (495 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, 2.88 ft (0.878 m) Sept. 2, 1973.

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

Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)	Date	Time	Discharge (ft ³ /s)	Discharge (m ³ /s)	Gage height (ft)	Gage height (m)
Feb. 3	1715	1800	51.0	12.40	3.780	Aug. 24	2115	2050	58.1	12.90	3.932
Mar. 31	1830	1540	43.6	11.72	3.572	Sept. 6	2315	6350	180	17.32	5.279
Apr. 21	2345	*7590	215	*18.21	5.550						

Minimum discharge, 5.8 ft³/s (0.16 m³/s) Oct. 26; minimum gage height, 3.15 ft (0.960 m) Oct. 14, 15, 19, 26.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.9	15	51	34	234	43	690	66	17	11	47	80
2	6.9	11	31	48	137	30	274	198	18	21	67	57
3	6.7	8.8	22	245	1020	26	139	389	16	20	30	49
4	6.9	8.3	18	182	822	880	165	129	15	13	19	47
5	7.0	7.8	15	107	322	545	184	72	15	12	15	856
6	6.9	7.6	34	111	163	531	92	57	14	38	19	5510
7	9.0	7.4	542	474	98	421	66	48	14	15	17	4900
8	7.2	7.2	226	243	72	208	47	44	13	11	15	1480
9	6.9	7.0	84	242	58	126	38	41	13	20	14	417
10	6.6	7.2	46	555	49	93	33	38	12	17	12	855
11	6.6	7.4	42	234	43	76	29	37	12	48	17	737
12	6.6	10	65	115	40	173	26	34	12	29	19	324
13	6.4	10	209	83	46	98	24	38	13	33	16	195
14	6.4	25	161	1290	48	71	22	31	13	17	16	291
15	6.4	24	281	885	41	55	21	29	13	13	13	421
16	6.7	12	174	464	34	46	21	27	12	11	11	463
17	6.6	9.5	86	186	30	40	20	26	12	11	10	242
18	6.4	8.5	52	108	27	36	20	25	11	10	47	145
19	6.3	12	39	76	25	33	189	24	11	10	143	98
20	6.6	16	108	61	24	30	2770	24	11	12	268	67
21	6.4	13	115	50	23	28	5740	23	11	10	96	55
22	6.4	9.8	69	43	22	26	7040	22	11	9.5	73	46
23	6.2	8.5	47	38	21	23	3880	21	11	9.2	126	41
24	6.3	8.3	36	39	38	23	617	38	10	9.2	1110	37
25	6.4	8.0	250	36	35	27	213	25	10	9.0	1050	34
26	6.2	8.8	544	34	31	25	138	20	9.8	10	225	31
27	6.3	8.8	250	92	95	23	106	19	9.2	32	99	29
28	6.3	239	118	76	72	36	87	19	9.0	308	89	27
29	8.0	314	73	49	---	64	77	18	9.0	77	68	26
30	167	113	53	67	---	57	69	18	9.0	31	63	25
31	33	---	42	392	---	948	---	17	---	20	75	---
TOTAL	394.5	952.9	3883	6659	3670	4841	22837	1617	366.0	896.9	3889	17585
MEAN	12.7	31.8	125	215	131	156	761	52.2	12.2	28.9	125	586
MAX	167	314	544	1290	1020	948	7040	389	18	308	1110	5510
MIN	6.2	7.0	15	34	21	23	20	17	9.0	9.0	10	25
CFSM	.16	.40	1.57	2.70	1.65	1.96	9.57	.66	.15	.36	1.57	7.37
IN.	.18	.45	1.82	3.12	1.72	2.27	10.69	.76	.17	.42	1.82	8.23

CAL YR 1976 TOTAL 17176.4 MEAN 46.9 MAX 1010 MIN 6.2 CFSM .59 IN 8.04
WTR YR 1977 TOTAL 67591.3 MEAN 185 MAX 7040 MIN 6.2 CFSM 2.33 IN 31.63

MISSISSIPPI RIVER DELTA

07376500 NATALBANY RIVER AT BAPTIST, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.20	3.52	4.09	3.81	5.56	3.95	8.15	4.37	3.70	3.55	4.07	4.21
2	3.19	3.40	3.80	3.98	4.89	3.75	5.82	5.34	3.73	3.79	4.51	3.93
3	3.19	3.34	3.64	5.63	9.04	3.68	4.91	6.72	3.68	3.81	3.96	3.82
4	3.20	3.31	3.55	5.22	8.76	8.99	5.05	4.97	3.67	3.62	3.74	3.78
5	3.21	3.29	3.50	4.65	6.13	7.45	5.23	4.45	3.66	3.60	3.65	8.01
6	3.20	3.29	3.76	4.65	5.08	7.39	4.54	4.26	3.66	4.10	3.73	16.69
7	3.29	3.28	7.44	7.06	4.58	6.76	4.25	4.16	3.65	3.69	3.70	16.17
8	3.21	3.27	5.53	5.63	4.31	5.39	4.02	4.10	3.63	3.56	3.64	10.70
9	3.20	3.26	4.46	5.56	4.15	4.81	3.89	4.07	3.63	3.77	3.61	6.70
10	3.19	3.27	4.02	7.50	4.04	4.54	3.80	4.02	3.62	3.70	3.57	8.97
11	3.19	3.28	3.95	5.56	3.94	4.36	3.74	4.01	3.62	4.24	3.67	8.40
12	3.19	3.37	4.25	4.70	3.90	5.15	3.68	3.95	3.62	3.96	3.76	6.15
13	3.18	3.38	5.41	4.42	3.99	4.58	3.64	4.03	3.64	3.99	3.68	5.31
14	3.18	3.69	5.09	10.72	4.02	4.31	3.62	3.90	3.66	3.71	3.68	5.93
15	3.18	3.69	5.88	9.11	3.92	4.12	3.60	3.87	3.64	3.61	3.60	6.73
16	3.20	3.44	5.17	6.97	3.81	4.00	3.58	3.85	3.62	3.52	3.51	6.99
17	3.20	3.35	4.48	5.23	3.73	3.91	3.56	3.83	3.61	3.51	3.49	5.61
18	3.19	3.31	4.10	4.66	3.69	3.84	3.56	3.82	3.60	3.49	4.02	5.07
19	3.18	3.41	3.91	4.36	3.65	3.80	4.58	3.81	3.60	3.49	5.15	---
20	3.20	3.53	4.65	4.18	3.63	3.74	13.98	3.80	3.59	3.55	6.03	---
21	3.19	3.44	4.73	4.05	3.60	3.70	16.83	3.79	3.58	3.50	4.80	---
22	3.19	3.35	4.31	3.94	3.58	3.67	17.84	3.78	3.57	3.47	4.58	---
23	3.18	3.31	4.02	3.87	3.57	3.63	15.04	3.77	3.57	3.46	5.02	---
24	3.19	3.29	3.85	3.88	3.86	3.62	7.81	4.07	3.55	3.46	9.22	---
25	3.20	3.28	5.43	3.83	3.82	3.69	5.60	3.84	3.54	3.45	9.55	---
26	3.18	3.31	7.42	3.80	3.74	3.66	5.06	3.75	3.53	3.48	5.41	---
27	3.19	3.31	5.69	4.48	4.54	3.62	4.78	3.74	3.51	4.00	4.41	---
28	3.19	5.55	4.75	4.35	4.31	3.85	4.61	3.73	3.50	6.17	4.32	3.65
29	3.26	6.07	4.32	4.03	---	4.22	4.50	3.72	3.50	4.60	4.06	3.67
30	5.14	4.73	4.09	4.16	---	4.15	4.41	3.71	3.49	3.99	4.00	3.66
31	3.85	---	3.93	6.58	---	9.08	---	3.70	---	3.78	4.16	---
MEAN	3.28	3.58	4.62	5.18	4.49	4.69	6.12	4.09	3.61	3.79	4.46	---
MAX	5.14	6.07	7.44	10.72	9.04	9.08	17.84	6.72	3.73	6.17	9.55	16.69
MIN	3.18	3.26	3.50	3.60	3.57	3.62	3.56	3.70	3.49	3.45	3.49	3.66

07377000 AMITE RIVER NEAR DARLINGTON, LA

LOCATION.--Lat 30°53'20", long 90°50'40", in lot 72, T.2 S., R.4 E., St. Helena meridian, St. Helena Parish, Hydrologic Unit 08070202, near center of span on downstream side of bridge on State Highway 10, 1.5 mi (2.4 km) upstream from Collins Creek, and 4.0 mi (6.4 km) west of Darlington.

DRAINAGE AREA.--580 mi² (1,502 km²).

PERIOD OF RECORD.--March 1949 to September 1950 (annual maximum), October 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 145.81 ft (44.443 m) above mean sea level. 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.--27 years, 865 ft³/s (24.50 m³/s), 20.25 in/yr (514 mm/yr).

REMARKS.--Water-discharge records good.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 76,400 ft³/s (2,160 m³/s) Apr. 22, 1977, gage height, 21.76 ft (6.632 m); minimum, 188 ft³/s (5.32 m³/s) Oct. 18, 1956.

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

Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)	Date	Time	Discharge (ft ³ /s) (m ³ /s)	Gage height (ft) (m)
Jan. 15	0030	6670 189	11.56 3.523	Apr. 22	0400	*76400 2160	*21.76 6.632
Mar. 6	0745	29500 835	17.99 5.483	Sept. 6	0945	13700 388	15.58 4.749

Minimum discharge, 272 ft³/s (7.70 m³/s) Oct. 19, 21, 22, 28, June 26; minimum gage height, 3.36 ft (1.024 m) Oct. 19, 21, 28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	292	325	417	417	575	1120	1030	539	317	276	375	424
2	288	298	370	405	533	812	935	530	314	274	998	370
3	286	290	350	582	756	740	808	723	312	280	1210	342
4	284	288	340	820	1570	4960	764	667	308	282	911	339
5	282	286	335	752	1430	9310	1240	525	306	378	638	456
6	307	284	345	659	950	10300	1070	475	306	402	438	10800
7	320	286	812	617	736	6620	748	451	313	362	379	6640
8	296	284	732	547	617	2840	603	442	299	316	352	2170
9	288	284	512	543	582	1460	529	423	295	306	330	1330
10	286	286	414	1290	512	1060	484	414	295	309	322	2250
11	286	298	417	1430	484	915	452	400	295	326	312	2020
12	284	357	487	940	543	1600	426	393	294	322	319	1200
13	282	365	748	662	885	2000	411	382	300	315	372	800
14	282	381	740	4260	836	1280	399	386	298	320	366	1000
15	280	456	748	6190	712	895	387	371	310	421	318	1320
16	280	381	704	3780	585	756	378	362	314	370	310	1310
17	280	337	554	1550	515	673	370	357	311	360	330	935
18	278	320	466	925	491	620	367	353	302	315	473	673
19	276	322	426	756	459	582	372	348	294	332	808	572
20	278	345	487	659	438	550	732	344	292	332	435	505
21	274	360	533	603	423	523	21900	341	289	348	368	466
22	274	340	459	557	411	523	54900	341	288	339	381	432
23	276	317	414	526	515	519	22800	349	284	370	543	411
24	278	310	396	526	2550	487	8310	338	284	318	694	393
25	280	310	508	536	2380	505	2450	342	282	315	733	381
26	280	315	1360	508	1290	501	1230	348	279	446	491	368
27	278	320	1040	494	1790	473	1070	335	280	564	392	358
28	276	473	744	491	1890	526	827	328	279	362	459	355
29	282	708	582	470	---	975	681	324	278	375	414	352
30	381	547	498	449	---	1090	593	322	277	335	420	342
31	414	---	449	512	---	1390	---	320	---	442	545	---
TOTAL	9028	10473	17387	33456	25458	56605	127266	12573	8895	10812	15436	39314
MEAN	291	349	561	1079	909	1826	4242	406	297	349	498	1310
MAX	414	708	1360	6190	2550	10300	54900	723	317	564	1210	10800
MIN	274	284	335	405	411	473	367	320	277	274	310	339
CFSM	.50	.60	.97	1.86	1.57	3.15	7.31	.70	.51	.60	.86	2.26
IN.	.58	.67	1.12	2.15	1.63	3.63	8.16	.81	.57	.69	.99	2.52

CAL YR 1976	TOTAL	243632	MEAN	666	MAX	7370	MIN	274	CFSM	1.15	IN	15.63
WTR YR 1977	TOTAL	366703	MEAN	1005	MAX	54900	MIN	274	CFSM	1.73	IN	23.52

MISSISSIPPI RIVER DELTA

07377000 AMITE RIVER NEAR DARLINGTON, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.46	3.60	3.94	3.94	4.40	5.62	5.48	5.11	4.33	4.11	4.45	4.55
2	3.44	3.48	3.78	3.90	4.28	5.00	5.29	5.09	4.31	4.10	5.96	4.36
3	3.43	3.45	3.70	4.41	4.80	4.80	5.02	5.51	4.30	4.12	6.46	4.26
4	3.42	3.44	3.66	5.05	6.34	9.65	4.90	5.40	4.29	4.13	5.87	4.25
5	3.41	3.43	3.64	4.88	6.14	13.25	5.85	5.07	4.28	4.48	5.23	4.60
6	3.53	3.42	3.68	4.64	5.32	14.09	5.55	4.95	4.27	4.60	4.66	14.01
7	3.58	3.43	4.98	4.51	4.83	11.48	4.86	4.87	4.28	4.46	4.45	11.47
8	3.48	3.42	4.82	4.32	4.52	8.00	4.48	4.84	4.24	4.28	4.35	7.31
9	3.44	3.42	4.22	4.31	4.39	6.18	4.27	4.78	4.22	4.24	4.26	6.26
10	3.43	3.43	3.93	5.88	4.22	5.53	4.14	4.74	4.22	4.24	4.22	7.38
11	3.43	3.48	3.93	6.14	4.14	5.25	4.05	4.69	4.22	4.32	4.18	7.16
12	3.42	3.73	4.15	5.28	4.29	6.37	3.97	4.66	4.21	4.30	4.21	6.03
13	3.41	3.76	4.85	4.65	5.18	6.95	3.92	4.62	4.23	4.27	4.42	5.34
14	3.41	3.82	4.85	9.51	5.09	5.90	3.88	4.61	4.23	4.29	4.36	5.71
15	3.40	4.06	4.86	11.16	4.77	5.20	3.84	4.57	4.29	4.66	4.19	6.25
16	3.40	3.81	4.75	8.99	4.43	4.89	3.81	4.54	4.31	4.48	4.16	6.23
17	3.40	3.65	4.34	6.29	4.23	4.67	3.78	4.51	4.30	4.44	4.23	5.60
18	3.39	3.58	4.09	5.27	4.15	4.53	3.77	4.49	4.25	4.26	4.69	5.06
19	3.38	3.59	3.97	4.89	4.07	4.42	3.79	4.47	4.22	4.33	5.58	4.79
20	3.39	3.68	4.15	4.64	4.01	4.33	4.57	4.46	4.20	4.33	4.59	4.62
21	3.37	3.74	4.28	4.48	3.96	4.25	15.09	4.44	4.18	4.38	4.37	4.52
22	3.37	3.66	4.07	4.35	3.92	4.24	20.21	4.44	4.18	4.35	4.41	4.43
23	3.38	3.57	3.93	4.26	4.20	4.24	16.98	4.45	4.16	4.45	4.91	4.37
24	3.39	3.54	3.87	4.26	7.62	4.15	12.68	4.42	4.16	4.26	5.29	4.31
25	3.40	3.54	4.19	4.29	7.41	4.20	7.74	4.45	4.15	4.24	5.41	4.27
26	3.40	3.56	6.03	4.21	5.90	4.19	6.38	4.47	4.13	4.71	4.75	4.23
27	3.39	3.58	5.50	4.17	6.64	4.11	6.14	4.41	4.13	5.04	4.44	4.19
28	3.38	4.09	4.86	4.16	6.79	4.26	5.73	4.38	4.13	4.42	4.66	4.18
29	3.41	4.76	4.42	4.10	---	5.36	5.43	4.37	4.12	4.47	4.52	4.17
30	3.80	4.32	4.18	4.04	---	5.58	5.23	4.35	4.11	4.31	4.53	4.13
31	3.92	---	4.03	4.22	---	6.08	---	4.34	---	4.68	4.91	---
MEAN	3.45	3.67	4.31	5.14	5.00	6.02	6.36	4.66	4.22	4.38	4.73	5.60
MAX	3.92	4.76	6.03	11.16	7.62	14.09	20.21	5.51	4.33	5.04	6.46	14.01
MIN	3.37	3.42	3.64	3.90	3.92	4.11	3.77	4.34	4.11	4.10	4.16	4.13

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 mi (5.5 km) north of village of Greenwell Springs.

DRAINAGE AREA.--28.2 mi² (73.0 km²).

PERIOD OF RECORD.--October 1974 to current year. Unpublished gage-height records, August 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.

REMARKS.--Records poor.

EXTREMES FOR CURRENT PERIOD.--Water year 1975: 1,530 ft³/s (43.3 m³/s) Jan. 9, gage height, 20.33 ft (6.197 m); minimum, no flow many days.

Water year 1976: Maximum discharge, 1,260 ft³/s (35.7 m³/s) Mar. 26, gage height, 19.29 ft (5.880 m); minimum, no flow many days.

Water year 1977: Maximum discharge, 4,230 ft³/s (120 m³/s) Apr. 21, gage height, 24.47 ft (7.458 m) (backwater from Amite River); minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.56	.70	36	0	0	.84	.28	800	42	128	847	4.8
2	.14	.56	6.5	0	0	.56	.14	526	9.0	61	1150	2.8
3	0	.56	2.5	.41	0	.28	.14	128	5.3	48	824	1.8
4	0	.28	1.1	1.3	0	60	1.4	111	4.1	9.9	454	1.3
5	0	0	.56	.56	0	189	.56	70	3.2	4.5	385	1.3
6	0	0	8.5	.28	0	26	.28	20	2.8	2.8	290	3.0
7	0	0	195	89	0	7.4	.14	11	68	1.6	279	4.8
8	0	0	130	1020	0	2.5	1.4	247	28	.74	115	4.7
9	0	0	15	1350	0	1.3	12	441	123	3.4	9.9	3.5
10	0	0	4.4	1050	0	.84	7.5	464	10	8.3	6.7	37
11	0	29	4.4	1290	0	.70	38	210	100	256	5.3	48
12	0	28	7.0	824	0	.56	9.7	8.6	250	485	6.0	22
13	0	4.6	5.5	420	0	1.2	1.6	109	75	92	12	252
14	0	1.7	3.1	46	0	35	338	31	8.1	12	6.8	91
15	6.2	.98	60	16	.14	13	893	59	11	6.4	4.5	9.6
16	2.6	.70	82	7.9	2.7	129	409	49	36	4.5	286	13
17	1.6	.56	13	4.8	35	70	21	21	10	13	175	60
18	.28	.42	4.2	2.9	24	346	6.9	7.8	4.4	51	16	15
19	0	.14	1.9	2.2	8.6	431	3.1	4.8	2.8	70	6.8	6.0
20	0	115	3.6	1.3	3.8	99	1.3	3.8	2.7	383	14	3.7
21	0	89	11	.84	2.4	14	1.3	3.2	2.0	239	152	2.5
22	0	9.2	5.2	.56	1.9	7.6	11	2.6	1.7	21	240	1.6
23	0	1.3	2.5	.28	2.5	5.5	4.0	2.2	1.5	14	89	1.0
24	0	.98	2.0	.28	8.0	4.4	.84	1.7	1.1	50	27	.74
25	0	.56	86	3.4	3.4	3.1	.28	1.4	1.0	25	19	1.8
26	0	.28	166	4.4	2.0	2.5	.28	1.0	.84	7.7	8.0	1.1
27	0	.14	27	1.7	1.4	2.2	.14	.65	.46	4.6	5.6	.74
28	.14	0	8.9	.70	1.3	1.4	.14	.36	6.8	3.1	4.3	.56
29	1.2	0	3.6	.42	---	.98	14	.09	98	2.6	5.5	.27
30	40	26	1.6	.14	---	.56	155	108	30	4.2	49	.56
31	12	---	.42	0	---	.28	---	232	---	97	13	---
TOTAL	64.72	310.66	898.48	6139.37	97.14	1456.70	1932.42	3675.20	938.80	2109.34	5505.4	596.17
MEAN	2.09	10.4	29.0	198	3.47	47.0	64.4	119	31.3	68.0	178	19.9
MAX	40	115	195	1350	35	431	893	800	250	485	1150	252
MIN	0	0	.42	0	0	.28	.14	.09	.46	.74	4.3	.27
CFSM	.07	.37	1.03	7.02	.12	1.67	2.28	4.22	1.11	2.41	6.31	.71
IN.	.09	.41	1.19	8.10	.13	1.92	2.55	4.85	1.24	2.78	7.26	.79
WTR YR 1975	TOTAL	23724.40	MEAN	65.0	MAX	1350	MIN	0	CFSM	2.30	IN	31.29

MISSISSIPPI RIVER DELTA

07377240 LITTLE SANDY CREEK NEAR GREENWELL SPRINGS, LA--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.1	0	25	27	403	.13	24	0	0	44	.27	.81
2	40	0	19	12	332	0	11	0	.13	22	.13	.13
3	7.6	.13	5.4	213	30	0	6.0	0	.05	6.6	0	1.1
4	2.0	.27	.81	290	14	0	4.5	0	0	2.2	0	4.1
5	.61	.13	.13	84	8.6	0	2.5	0	0	.61	0	5.3
6	.27	0	0	17	221	0	2.2	0	4.9	47	0	2.5
7	.27	0	0	12	230	.27	.81	0	18	15	0	4.2
8	.13	0	0	26	32	6.3	.43	4.6	9.4	2.2	0	11
9	0	0	0	14	15	125	.43	9.2	5.1	1.1	0	6.0
10	0	0	0	6.6	7.9	48	.27	27	2.5	8.2	0	2.8
11	0	0	0	3.6	4.5	11	.13	72	1.0	2.2	0	1.2
12	0	0	0	3.3	2.0	3.3	.13	8.9	.27	26	0	.81
13	0	0	0	6.9	.61	1.2	0	.81	0	59	.27	.61
14	0	0	0	7.9	.43	3.7	0	.27	0	7.3	.81	.43
15	0	0	.43	7.6	.43	25	0	.27	0	3.3	.61	.27
16	2.7	0	.61	6.9	.27	31	0	25	0	1.7	.27	.13
17	38	0	.61	4.8	.61	35	0	2.0	3.5	1.2	.27	.13
18	15	0	.81	2.5	.43	9.5	0	.61	.43	1.5	.43	1.0
19	1.8	0	.61	2.0	.27	2.8	0	.13	0	1.5	.27	1.2
20	.61	0	.43	.81	.27	.13	0	.13	0	1.2	.13	.58
21	.43	0	.43	.43	51	.27	0	0	0	1.0	0	1.5
22	.27	0	.13	.43	176	.43	0	0	0	.27	50	.81
23	.13	0	.13	.27	26	.43	0	0	0	.43	6.2	.43
24	0	0	0	.27	9.4	2.0	0	0	0	.13	1.5	.43
25	0	0	.13	25	2.8	627	0	0	0	.13	.27	.61
26	0	2.9	.43	330	.81	1110	0	0	0	.27	3.9	.43
27	0	31	.81	143	.61	611	0	0	0	16	3.5	.81
28	0	16	.27	20	.43	114	0	0	2.0	5.2	4.1	.81
29	0	1.7	151	10	.13	19	0	0	18	2.0	53	.81
30	0	4.0	157	6.9	---	68	0	0	15	.81	6.0	.43
31	0	---	84	39	---	76	---	0	---	.43	1.5	---
TOTAL	112.92	56.13	448.17	1323.21	1570.50	2930.46	52.40	150.92	80.28	280.48	133.43	51.37
MEAN	3.64	1.87	14.5	42.7	54.2	94.5	1.75	4.87	2.68	9.05	4.30	1.71
MAX	40	31	157	330	403	1110	24	72	18	59	53	11
MIN	0	0	0	.27	.13	0	0	0	0	.13	0	.13
CFSM	.13	.07	.51	1.51	1.92	3.35	.06	.17	.10	.32	.15	.06
IN.	.15	.07	.59	1.75	2.07	3.87	.07	.20	.11	.37	.18	.07
CAL YR 1975 TOTAL	23067.76			MEAN 63.2	MAX 1350	MIN 0	CFSM 2.24	IN 30.43				
WTR YR 1976 TOTAL	7190.27			MEAN 19.6	MAX 1110	MIN 0	CFSM .70	IN 9.48				

07377240 LITTLE SANDY CREEK NEAR GREENWELL SPRINGS, LA--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.43	1.0	40	20	134	13	986	6.9	1.2	0	0	59
2	.27	0	15	350	22	5.8	362	8.1	1.0	0	0	21
3	.27	0	5.2	60	284	4.7	34	9.4	1.0	0	0	9.9
4	.13	0	4.8	10	610	392	33	31	.61	0	0	6.3
5	.13	0	15	100	228	522	204	16	.61	0	0	192
6	.13	0	80	240	29	366	43	3.2	.61	0	0	2060
7	0	0	200	80	15	168	11	.15	.61	0	3.2	1140
8	0	0	300	10	9.9	28	4.8	.32	.43	0	4.9	506
9	0	0	60	200	6.6	13	2.5	.13	.43	.13	1.1	288
10	0	0	5.0	40	4.8	7.1	1.4	0	.27	5.4	.04	783
11	0	0	20	30	3.9	5.5	1.1	0	.13	6.6	0	898
12	0	3.0	60	14	38	69	1.2	0	0	.52	0	305
13	0	9.9	250	10	180	70	1.0	.43	.13	51	0	31
14	0	31	130	633	42	15	.64	.28	.43	74	0	302
15	0	34	200	839	17	6.2	.69	0	.43	12	0	367
16	0	11	60	395	8.7	2.3	.79	0	0	4.3	0	298
17	0	5.6	12	75	5.0	.77	.71	0	0	2.3	0	81
18	0	3.7	3.5	16	3.2	.05	.73	0	0	1.0	54	21
19	0	4.8	3.0	11	2.6	0	1.2	.27	2.2	.52	87	8.6
20	0	13	20	8.5	2.3	.04	112	.27	56	.24	27	5.1
21	0	12	60	6.8	2.2	.25	2430	.61	5.8	.04	34	3.0
22	0	6.2	10	5.4	2.6	.22	2020	1.0	.13	0	742	2.0
23	0	5.1	4.0	5.5	4.9	0	397	1.2	0	0	1300	1.2
24	0	5.5	2.5	6.2	65	.02	104	1.2	0	4.4	1020	1.2
25	0	5.0	400	6.2	33	.80	15	1.2	0	2.5	1570	1.2
26	0	4.5	500	5.8	31	.94	11	1.5	0	1.1	436	1.2
27	0	8.0	270	12	128	1.6	7.8	1.7	0	.47	59	1.7
28	0	40	50	24	44	5.9	7.1	1.0	0	.05	31	1.5
29	.43	250	10	16	---	22	7.1	.81	0	0	56	1.5
30	25	90	5.0	20	---	20	7.1	.43	0	0	36	1.5
31	8.9	---	3.0	240	---	734	---	.61	---	0	86	---
TOTAL	35.69	543.3	2798.0	3489.4	1956.7	2474.19	6807.86	87.71	72.02	166.57	5547.24	7397.9
MEAN	1.15	18.1	90.3	113	69.9	79.8	227	2.83	2.40	5.37	179	247
MAX	25	250	500	839	610	734	2430	31	56	74	1570	2060
MIN	0	0	2.5	5.4	2.2	0	.64	0	0	0	0	1.2
CFSM	.04	.64	3.20	4.01	2.48	2.83	8.05	.10	.09	.19	6.35	8.76
IN.	.05	.72	3.69	4.60	2.58	3.26	8.98	.12	.10	.22	7.32	9.76
CAL YR 1976	TOTAL	9950.04	MEAN	27.2	MAX	1110	MIN	0	CFSM	.96	IN	13.13
WTR YR 1977	TOTAL	31376.58	MEAN	86.0	MAX	2430	MIN	0	CFSM	3.05	IN	41.39

MISSISSIPPI RIVER DELTA

07377240 LITTLE SANDY CREEK NEAR GREENWELL SPRINGS, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.62	7.88	8.68	7.53	7.92	7.88	7.97	17.64	8.60	10.07	16.94	7.43
2	7.59	7.88	7.98	7.51	7.93	7.89	7.98	15.32	7.78	8.96	18.85	7.23
3	7.56	7.89	7.80	7.56	7.97	7.91	7.98	10.08	7.48	8.72	17.50	7.12
4	7.56	7.88	7.71	7.64	8.01	9.12	8.07	9.80	7.36	7.80	14.82	7.07
5	7.57	7.87	7.67	7.59	8.02	11.20	8.02	9.11	7.27	7.40	13.93	7.07
6	7.55	7.87	7.92	7.57	8.04	8.58	8.00	8.20	7.23	7.23	12.57	7.24
7	7.53	7.89	11.28	9.11	8.04	8.10	7.99	7.90	8.92	7.10	12.42	7.43
8	7.53	7.89	10.22	18.32	8.03	7.89	8.06	11.85	8.32	7.01	9.82	7.42
9	7.55	7.88	8.14	19.62	8.03	7.81	8.49	14.66	9.99	7.28	7.83	7.30
10	7.56	7.87	7.82	18.45	8.03	7.78	8.34	14.95	11.03	7.73	7.62	8.20
11	7.56	8.71	7.82	19.41	8.04	7.79	8.97	11.29	13.63	11.79	7.48	8.72
12	7.57	8.58	7.93	17.51	8.05	7.83	8.20	7.75	12.96	15.18	7.53	8.02
13	7.57	7.99	7.87	14.29	8.05	7.87	7.86	9.76	9.17	9.43	7.92	11.96
14	7.57	7.84	7.75	8.81	8.05	8.76	12.71	8.40	7.72	7.93	7.62	9.42
15	7.93	7.89	8.94	8.18	8.07	8.22	17.83	8.91	7.77	7.59	7.40	7.81
16	7.89	7.90	9.43	7.96	8.19	10.27	13.88	8.76	8.51	7.40	12.48	7.81
17	7.83	7.91	8.09	7.84	8.84	9.27	8.31	8.17	7.82	7.75	10.75	8.94
18	7.75	7.91	7.81	7.74	8.54	13.38	7.92	7.70	7.39	8.77	8.05	8.03
19	7.72	7.89	7.68	7.70	8.13	14.51	7.75	7.43	7.23	8.89	7.63	7.55
20	7.71	10.05	7.77	7.64	7.95	9.70	7.64	7.34	7.22	13.90	7.72	7.32
21	7.70	9.66	8.05	7.61	7.87	8.15	7.64	7.29	7.13	11.73	10.49	7.19
22	7.69	8.14	7.86	7.73	7.85	7.95	7.98	7.23	7.11	8.19	11.83	7.10
23	7.71	7.81	7.72	7.80	7.89	7.87	7.79	7.19	7.09	7.99	9.41	---
24	7.72	7.79	7.68	7.87	8.13	7.82	7.60	7.16	---	8.72	8.34	---
25	7.73	7.78	9.35	8.01	7.94	7.75	7.53	7.17	7.05	8.27	8.15	---
26	7.73	7.86	10.79	8.12	7.86	7.77	7.67	7.18	7.04	7.69	7.72	7.08
27	7.73	7.85	8.43	7.97	7.83	7.80	7.84	7.23	7.02	7.41	7.51	7.12
28	7.74	7.85	7.98	7.90	7.84	7.80	7.90	7.27	6.98	7.26	7.38	7.14
29	7.82	7.85	7.78	7.90	---	7.82	8.44	7.31	7.60	7.21	7.46	7.12
30	8.92	8.58	7.66	7.89	---	7.86	10.59	9.55	9.47	7.32	8.75	7.17
31	8.29	---	7.58	7.88	---	7.92	---	11.74	---	9.48	7.92	---
MEAN	7.73	8.09	8.30	9.83	8.04	8.65	8.77	9.40	---	8.68	10.06	---
MAX	8.92	10.05	11.28	19.62	8.84	14.51	17.83	17.64	---	15.18	18.85	---
MIN	7.53	7.78	7.58	7.51	7.83	7.75	7.53	7.16	---	7.01	7.38	---

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.47	8.20	8.72	8.49	14.16	7.82	8.43	7.84	7.61	8.67	7.40	7.71
2	8.66	8.22	8.63	8.16	13.13	7.83	8.13	7.83	7.59	8.30	7.38	7.67
3	7.84	8.24	8.30	11.48	8.56	7.85	7.98	7.83	7.57	7.88	7.36	7.69
4	7.46	8.25	8.13	12.64	8.20	7.86	7.94	7.82	7.56	7.73	7.36	7.84
5	7.37	8.17	8.11	9.54	8.05	7.87	7.88	7.81	7.56	7.65	7.36	7.89
6	7.35	8.14	8.11	8.28	11.56	7.88	7.88	7.80	7.74	8.74	7.35	7.79
7	7.41	8.20	8.17	8.15	11.73	7.95	7.84	7.83	8.12	8.12	7.36	7.82
8	7.48	8.24	8.19	8.50	8.61	8.22	7.84	8.09	7.90	7.73	7.36	8.03
9	7.53	8.25	8.21	8.22	8.21	10.24	7.87	8.23	7.76	7.67	---	7.85
10	7.59	8.25	8.22	8.00	8.03	8.88	7.89	8.59	7.67	7.88	---	7.70
11	7.64	8.25	8.23	7.91	7.93	8.12	7.90	9.50	7.61	7.67	7.34	7.60
12	7.68	8.25	8.24	7.90	7.86	7.88	7.90	8.22	7.56	8.16	7.35	7.56
13	7.71	8.24	8.25	8.03	7.81	7.80	7.89	7.94	7.53	9.01	7.34	7.54
14	7.73	8.23	8.26	8.06	7.87	7.89	7.88	7.88	7.51	7.88	7.42	7.52
15	7.78	8.24	8.30	8.06	7.90	8.47	7.87	7.85	7.50	7.65	7.44	7.49
16	7.94	8.25	8.32	8.04	7.93	8.58	7.85	7.92	7.52	7.53	7.38	7.46
17	8.81	8.25	8.34	7.98	7.96	8.67	7.86	7.87	7.65	7.50	7.38	7.43
18	8.33	8.26	8.36	7.91	7.95	8.08	7.89	7.78	7.56	7.51	7.41	7.45
19	7.94	8.27	8.36	7.90	7.95	7.86	7.89	7.71	7.52	7.51	7.39	7.44
20	7.93	8.28	8.36	7.86	7.99	7.74	7.88	7.70	7.51	7.79	7.37	7.42
21	7.99	8.29	8.37	7.86	8.97	7.75	7.87	7.68	7.50	7.48	7.35	7.64
22	8.01	8.29	8.36	7.89	10.97	7.76	7.86	7.69	7.47	7.44	8.86	7.61
23	8.03	8.29	8.36	7.91	8.49	7.76	7.86	7.70	7.46	7.43	7.83	7.59
24	8.07	8.29	8.36	7.94	8.07	7.80	7.86	7.69	7.46	7.39	7.63	7.60
25	8.08	8.30	8.38	8.46	7.87	15.29	7.85	7.69	7.45	7.38	7.55	7.61
26	8.11	8.40	8.41	13.21	7.80	18.71	7.84	7.69	7.45	7.40	7.82	7.61
27	8.13	8.67	8.45	10.39	7.81	16.06	7.83	7.68	7.45	8.09	7.86	7.63
28	8.17	8.26	8.44	8.35	7.80	9.94	7.82	7.66	7.59	7.76	7.87	7.64
29	8.18	7.85	10.80	8.10	7.78	8.34	7.82	7.65	8.11	7.56	8.95	7.65
30	8.20	8.06	10.68	8.00	---	9.20	7.84	7.65	8.09	7.47	7.92	7.64
31	8.20	---	9.54	8.57	---	9.38	---	7.64	---	7.42	7.74	---
MEAN	7.90	8.25	8.51	8.64	8.79	9.08	7.90	7.89	7.62	7.79	---	7.64
MAX	8.81	8.67	10.80	13.21	14.16	18.71	8.43	9.50	8.12	9.01	---	8.03
MIN	7.35	7.85	8.11	7.86	7.78	7.74	7.82	7.64	7.45	7.38	---	7.42

07377240 LITTLE SANDY CREEK NEAR GREENWELL SPRINGS, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7.65	7.92	---	---	10.45	8.13	18.18	8.00	7.76	7.56	7.48	8.85
2	7.66	7.86	---	---	8.60	7.92	13.44	8.04	7.75	7.55	7.47	8.16
3	7.66	7.85	---	---	12.35	7.88	8.63	8.07	7.75	7.52	7.47	7.89
4	7.66	7.80	---	---	16.40	13.97	8.59	8.50	7.74	7.50	7.47	7.79
5	7.67	7.78	---	---	11.68	15.57	11.41	8.24	7.74	7.50	7.46	10.30
6	7.68	7.77	---	---	8.56	13.71	8.79	7.85	7.74	7.50	7.46	20.94
7	7.67	7.77	---	---	8.24	10.81	8.12	7.72	7.74	7.49	7.63	19.57
8	7.67	7.74	---	---	8.09	8.52	7.93	7.72	7.73	7.49	7.80	15.81
9	7.67	7.74	---	---	7.99	8.16	7.85	7.69	7.73	7.58	7.62	12.70
10	7.67	7.75	---	---	7.93	8.01	7.81	7.64	7.73	7.87	7.54	16.89
11	7.67	7.80	---	---	7.90	7.95	7.79	7.63	7.72	7.84	7.50	17.78
12	7.67	8.06	---	---	8.60	9.24	7.79	7.65	7.71	7.58	7.49	12.69
13	7.67	8.23	---	---	11.04	9.28	7.79	7.69	7.72	8.57	7.54	8.57
14	7.67	8.62	16.09	8.77	8.23	7.77	7.66	7.68	9.35	7.53	12.77	12.77
15	7.67	8.66	17.59	8.24	7.97	7.77	7.52	7.74	8.04	7.48	13.70	13.70
16	7.68	8.12	13.97	8.02	7.84	7.77	7.56	7.68	7.77	7.51	12.76	12.76
17	7.69	7.96	---	7.90	7.77	7.77	7.64	7.66	7.68	7.52	9.37	9.37
18	7.69	7.89	8.26	7.83	7.71	7.77	7.67	7.65	7.62	8.57	8.22	8.22
19	7.69	7.93	8.13	7.81	7.68	7.80	7.69	7.72	7.58	9.31	7.89	7.89
20	7.70	8.19	8.05	7.80	7.71	9.72	7.69	9.04	7.56	8.27	7.77	7.77
21	7.70	8.16	8.00	7.79	7.74	20.73	7.71	7.94	7.55	8.36	7.70	7.70
22	7.70	7.97	7.95	7.81	7.74	22.75	7.73	7.68	7.54	14.88	7.66	7.66
23	7.70	7.94	7.95	7.89	7.72	18.17	7.75	7.59	7.54	18.44	7.63	7.63
24	7.68	---	7.98	9.17	7.72	13.76	7.75	7.57	7.75	17.04	7.63	7.63
25	7.69	---	7.98	8.58	7.77	8.48	7.75	7.57	7.69	19.86	7.63	7.63
26	7.69	---	7.96	8.47	7.78	8.18	7.76	7.57	7.63	16.60	7.62	7.62
27	7.69	---	8.15	10.24	7.81	8.03	7.77	7.57	7.58	8.90	7.65	7.65
28	7.70	---	8.45	8.78	7.96	8.01	7.75	7.58	7.55	8.37	7.64	7.64
29	7.76	---	8.24	---	8.39	8.01	7.74	7.61	7.54	8.79	7.64	7.64
30	8.53	---	8.32	---	8.22	8.01	7.72	7.58	7.51	8.45	7.64	7.64
31	8.19	---	11.99	---	16.47	---	7.73	---	7.49	9.29	---	---
MEAN	7.73	---	---	---	9.03	9.01	10.15	7.78	7.73	7.69	9.45	10.56
MAX	8.53	---	---	---	16.40	16.47	22.75	8.50	9.04	9.35	19.86	20.94
MIN	7.65	---	---	---	7.79	7.68	7.77	7.52	7.57	7.49	7.46	7.62

07377500 COMITE RIVER NEAR OLIVE BRANCH, LA

LOCATION.--Lat 30°45'21", long 91°02'58", in lot 41, T.3 S., R.2 E., St. Helena meridian, East Feliciana Parish, Hydrologic Unit 08070202, 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 mi² (376 km²).

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

REVISED RECORDS (WATER YEARS).--WSP 1007: Drainage area. WSP 1177: 1948, 1949(M).

GAGE.--Water-stage recorder. Datum of gage is 115.65 ft (35.250 m) above mean sea level (Louisiana Geodetic Survey bench mark). Prior to Oct. 29, 1949, nonrecording gage. Prior to Feb. 3, 1964, at site 1,400 ft (430 m) upstream at same datum.

REMARKS.--Records good. Records of dissolved oxygen and water temperatures for the water year 1977 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--35 years, 226 ft³/s (6.40 m³/s), 21.14 in/yr (536 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 22,400 ft³/s (634 m³/s) Apr. 22, 1977; maximum gage height, 21.37 ft (6.514 m) Mar. 18, 1961; minimum discharge, 28 ft³/s (0.79 m³/s) Oct. 12, 13, 15, 16, 17, 18, 19, 1972; minimum gage height, -0.07 ft (0.021 m) Sept. 17, 19, 20, 24, 25, 26, 27, 1976, Sept. 30, 1977.

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. 14	0945	2870 81.3	6.33 1.929	Apr. 22	0045	*22400 634	*20.88 6.364
Mar. 5	1530	3350 94.9	6.92 2.109	Aug. 24	1845	4260 121	7.96 2.426
Mar. 31	0730	2790 79.1	6.22 1.896	Sept. 6	2400	6750 191	10.36 3.158

Minimum discharge, 37 ft³/s (1.05 m³/s) July 4; minimum gage height, -0.07 ft (0.021 m) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	41	54	88	87	193	169	648	84	55	39	45	125
2	40	46	74	91	148	127	290	84	56	39	56	119
3	40	46	68	280	638	115	176	125	53	39	49	112
4	39	45	67	302	1070	2210	227	109	52	38	44	111
5	39	44	66	167	334	2900	352	83	52	42	41	600
6	74	44	83	153	176	1620	197	76	51	45	44	5000
7	43	44	701	227	133	743	125	75	49	43	47	4920
8	40	44	316	144	114	292	103	72	48	43	43	1080
9	39	44	125	160	101	193	93	70	48	100	42	460
10	39	45	93	340	94	160	87	67	47	125	41	1430
11	39	51	125	191	88	144	81	66	47	57	45	1290
12	39	81	163	125	133	252	77	63	47	76	43	382
13	39	66	421	115	252	445	76	62	47	79	42	265
14	40	111	300	2230	167	184	75	62	51	250	42	502
15	41	109	331	2010	120	143	73	61	59	61	42	558
16	41	73	247	1010	100	127	71	59	54	54	45	488
17	40	57	138	219	91	117	70	57	53	49	66	213
18	40	53	104	158	87	112	70	57	49	47	862	138
19	40	54	91	133	84	107	71	56	46	48	533	108
20	40	59	141	119	80	103	148	56	45	60	160	91
21	40	62	162	111	77	100	7450	55	44	55	131	84
22	40	58	120	103	75	97	14700	54	43	47	1120	79
23	40	55	97	100	282	97	3580	55	42	45	1030	74
24	41	54	88	103	1140	94	609	67	41	43	1910	71
25	41	54	285	106	477	101	250	62	41	43	954	68
26	40	55	846	100	185	109	165	59	41	43	211	67
27	40	54	307	100	725	100	131	65	40	43	151	67
28	40	315	155	100	463	169	112	56	41	40	155	65
29	43	315	119	95	---	260	98	54	40	40	144	63
30	99	156	103	93	---	223	90	53	40	40	133	62
31	87	---	93	163	---	2290	---	53	---	40	131	---
TOTAL	1384	2348	6117	9435	7627	13903	30295	2077	1422	1813	8402	18692
MEAN	44.6	78.3	197	304	272	448	1010	67.0	47.4	58.5	271	623
MAX	99	315	846	2230	1140	2900	14700	125	59	250	1910	5000
MIN	39	44	66	87	75	94	70	53	40	38	41	62
CFSM	.31	.54	1.36	2.10	1.88	3.09	6.97	.46	.33	.40	1.87	4.30
IN.	.36	.60	1.57	2.42	1.96	3.57	7.77	.53	.36	.47	2.16	4.80
CAL YR 1976	TOTAL	48267	MEAN 132	MAX 2080	MIN 38	CFSM .91	IN 12.38					
WTR YR 1977	TOTAL	103515	MEAN 284	MAX 14700	MIN 38	CFSM 1.96	IN 26.56					

07377500 COMITE RIVER NEAR OLIVE BRANCH, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	-.03	.11	.30	.25	.89	.76	2.37	.73	.52	.37	---	.50
2	-.04	---	.17	.27	.64	.51	1.31	.73	.53	.37	---	.46
3	-.04	---	.12	1.27	2.13	.44	.80	.95	.50	.37	---	.42
4	-.05	-.01	.10	1.36	3.47	5.21	.97	.87	.49	.36	---	.40
5	-.05	-.02	.09	.74	1.46	6.34	1.52	.72	.49	.40	---	---
6	.33	-.02	.17	.65	.80	4.33	.90	.68	.48	.43	---	---
7	-.01	-.02	2.55	1.05	.55	2.65	.50	.67	.47	.41	---	8.61
8	-.04	-.02	1.37	.62	.43	1.32	.36	.65	.46	.41	---	3.19
9	-.05	-.02	.49	.69	.35	.89	.29	.63	.46	.76	---	1.84
10	-.05	-.01	.29	1.49	.30	.71	.25	.61	.45	.93	---	3.90
11	-.05	.06	.47	.86	.26	.62	.21	.60	.45	.54	---	3.88
12	-.05	.35	.73	.50	.51	1.12	.18	.58	.45	.67	---	1.62
13	-.06	.23	1.74	.43	1.16	1.81	.17	.57	.45	.66	---	1.22
14	-.04	.55	1.34	5.29	.75	.83	.16	.57	.48	1.28	---	1.97
15	-.03	.56	1.47	5.11	.47	.61	.15	.56	.55	.50	---	2.15
16	-.03	.26	1.14	3.15	.34	.51	.13	.55	.50	.44	---	1.95
17	-.04	.10	.57	1.01	.28	.45	.12	.54	.50	.40	---	.97
18	-.04	.05	.37	.69	.25	.42	.12	.54	.47	.37	2.04	.58
19	-.04	.06	.28	.55	.23	.39	.13	.53	.44	.39	.70	.34
20	-.04	.11	.58	.46	.20	.36	.49	.53	.42	.49	.54	.20
21	-.04	.14	.72	.41	.18	.34	11.00	.52	.42	.45	3.09	.13
22	-.04	.09	.47	.36	.16	.32	16.66	.51	.41	.38	3.39	.08
23	-.04	.05	.32	.34	.93	.32	7.10	.52	.40	.36	4.21	.04
24	-.03	.03	.26	.36	3.60	.30	2.34	.61	.39	.34	2.94	.01
25	-.03	.03	1.07	.38	1.86	.35	1.44	.57	.39	.34	.97	-.01
26	-.04	.04	2.94	.34	.84	.40	1.12	.64	.39	.34	.66	-.02
27	-.04	.02	1.36	.34	2.62	.34	.98	.59	.38	.34	.67	-.02
28	-.04	1.35	.67	.34	1.83	.72	.88	.53	.39	.31	.62	-.04
29	.00	1.47	.46	.31	---	1.19	.81	.51	.38	.31	.58	-.05
30	.52	.73	.36	.29	---	.97	.76	.50	.38	---	.55	-.06
31	.44	---	.29	.72	---	5.47	---	.50	---	---	.54	---
MEAN	.01	---	.75	.99	.98	1.32	1.81	.61	.45	---	---	---
MAX	.52	1.47	2.94	5.29	3.60	6.34	16.66	.95	.55	1.28	4.21	---
MIN	-.06	-.02	.09	.25	.16	.30	.12	.50	.38	---	---	---

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 from 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) above mean sea level (levels by Corps of 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 1977 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--5 years, 10.6 ft³/s (0.300 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 1,170 ft³/s (33.1 m³/s) Mar. 24, 1973. 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, 1,030 ft³/s (29.2 m³/s) Apr. 22, gage height, 19.08 ft or 5.816 m (backwater from Comite River); no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.18	0	1.0	.06	5.2	.18	17	.06	.85	0	1.6	.29
2	.05	0	.11	3.8	.70	.08	1.6	6.2	.03	0	1.0	.21
3	.02	0	.06	12	18	.10	.61	9.3	.01	0	.03	.11
4	0	0	.03	2.0	27	210	8.9	.76	.01	0	.02	.08
5	0	.03	.02	.44	7.8	74	6.0	.16	.01	0	.10	53
6	.05	0	1.0	8.2	1.5	5.6	.81	.10	.01	0	.10	378
7	.03	0	13	6.9	.78	1.9	.23	.10	.01	0	.03	119
8	.01	0	1.7	1.0	.39	.70	.11	.08	.01	0	.01	8.7
9	.01	0	.44	18	.19	.36	.09	.08	.01	0	0	26
10	0	0	.18	7.4	.08	.23	.08	.06	.01	0	0	162
11	0	.11	2.1	1.2	.10	.16	.07	.06	.01	0	.02	42
12	0	.48	2.1	.66	8.5	3.7	.06	.06	.01	0	.03	1.4
13	0	.08	6.6	3.8	6.9	1.7	.05	.06	.01	0	.01	.74
14	0	2.8	5.0	290	.74	.61	.05	.06	.01	0	0	8.9
15	0	.33	9.2	69	.26	.36	.05	.08	.01	0	0	10
16	0	.08	1.7	.93	.23	.23	.04	.06	.01	0	0	4.1
17	0	.03	.44	.18	.21	.14	.04	.06	.03	0	0	.82
18	0	.01	.21	.18	.26	.11	.04	.06	.03	0	0	.40
19	0	.53	.14	.14	.33	.14	68	.05	.02	.97	.02	.26
20	0	.44	1.2	.10	.23	.33	218	.05	.02	1.6	.39	.21
21	0	.18	.44	.09	.16	.26	883	.05	.03	.20	1.1	.16
22	0	.08	.18	.08	.06	.18	968	.06	.02	.03	135	.11
23	0	.03	.11	.15	.28	.11	561	.06	.02	.01	262	.10
24	0	.01	.08	.21	.80	.06	6.4	.06	.02	0	255	.10
25	0	0	20	.11	.52	.16	.80	.10	0	0	48	.10
26	0	0	18	.09	1.5	.14	.29	.08	0	0	2.8	.08
27	0	2.0	1.9	.73	4.7	.11	.18	.08	0	.97	.74	.08
28	0	9.0	.44	1.1	.62	.52	.23	.08	0	2.2	.40	.06
29	.52	11	.18	.28	---	.53	.18	.06	0	.18	.42	.06
30	1.4	4.0	.10	.42	---	9.8	.06	.06	0	.05	.76	.05
31	.01	---	.11	12	---	328	---	.79	---	.02	.84	---
TOTAL	2.28	31.22	87.77	441.25	88.04	640.50	2741.97	18.98	1.21	6.23	710.42	817.12
MEAN	.074	1.04	2.83	14.2	3.14	20.7	91.4	.61	.040	.20	22.9	27.2
MAX	1.4	11	20	290	27	328	968	9.3	.85	2.2	262	378
MIN	0	0	.02	.06	.06	.06	.04	.05	0	0	0	.05
CAL YR 1976	TOTAL	1236.73	MEAN	3.38	MAX	419	MIN	0				
WTR YR 1977	TOTAL	5586.99	MEAN	15.3	MAX	968	MIN	0				

07377755 WHITE BAYOU EAST DIVERSION CHANNEL NEAR BATON ROUGE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.18	4.10	---	4.23	---	4.31	5.35	3.95	4.21	3.88	4.16	4.12
2	4.11	4.07	4.27	4.55	---	4.25	4.47	4.42	3.98	3.86	4.28	4.08
3	4.07	4.04	4.23	5.28	---	4.26	4.30	5.11	3.94	3.86	3.96	4.01
4	4.04	4.04	4.20	4.62	---	8.33	4.81	4.27	3.95	3.85	3.94	3.99
5	4.02	4.19	4.18	4.39	---	6.68	4.89	4.03	3.95	3.84	4.01	5.52
6	4.11	4.13	4.31	4.88	---	4.95	4.34	3.97	3.94	3.82	4.01	10.23
7	4.10	4.10	5.30	5.00	---	4.52	4.20	3.97	3.94	3.81	3.94	7.34
8	4.06	4.07	4.58	4.50	---	4.32	4.15	3.96	3.93	3.77	3.90	4.89
9	4.05	4.06	4.39	5.36	---	4.24	4.12	3.96	3.93	3.76	3.87	5.77
10	4.03	4.05	4.31	5.02	4.24	4.20	4.11	3.95	3.93	3.76	3.85	7.98
11	4.01	4.12	4.63	4.52	4.26	4.17	4.10	3.95	3.93	3.77	3.90	6.20
12	3.99	4.39	4.63	4.44	4.87	4.71	4.10	3.95	3.93	3.77	3.95	4.43
13	3.95	4.24	5.00	4.60	4.98	4.48	4.10	3.95	3.93	3.88	3.90	4.28
14	3.93	4.68	4.80	9.48	4.44	4.30	4.10	3.95	---	3.90	3.88	5.11
15	3.90	4.36	5.13	6.59	4.34	4.24	4.10	3.96	---	3.89	3.85	5.15
16	3.88	4.25	4.58	4.47	4.33	4.20	4.10	3.95	---	3.87	3.84	4.77
17	3.86	4.20	4.39	4.31	4.32	4.16	4.10	3.95	3.97	3.86	3.88	4.31
18	3.84	4.16	4.32	4.31	4.34	4.15	4.10	3.95	3.99	3.84	---	4.16
19	3.81	4.33	4.29	4.29	4.36	4.16	5.40	3.94	3.96	4.08	---	4.10
20	3.77	4.39	4.51	4.26	4.33	4.23	8.77	3.94	3.96	4.40	4.16	4.06
21	3.73	4.31	4.39	---	4.30	4.21	14.06	3.94	3.98	4.08	4.34	4.03
22	3.70	4.25	4.31	---	4.22	4.18	17.82	3.95	3.96	3.96	7.20	4.00
23	3.66	4.19	4.27	---	4.28	4.15	12.77	3.95	3.95	3.92	9.30	3.99
24	3.65	4.15	4.25	---	4.46	4.12	4.91	3.95	3.94	3.90	8.84	3.98
25	3.64	4.13	5.24	---	4.41	4.17	4.31	3.97	3.91	3.88	6.23	3.97
26	3.61	4.14	5.47	---	4.44	4.16	4.11	3.96	3.90	3.86	4.63	3.96
27	3.57	---	4.60	---	4.85	4.15	4.04	3.96	3.90	4.00	4.29	3.96
28	3.54	---	4.39	---	4.42	4.25	4.08	3.96	3.89	4.47	4.17	3.95
29	3.70	---	4.31	---	---	4.28	4.05	3.95	3.88	4.08	4.18	---
30	4.48	---	4.26	---	---	4.54	3.95	3.95	3.88	3.97	4.26	---
31	4.16	---	4.27	---	---	9.70	---	4.06	---	3.93	4.31	---
MEAN	3.91	---	---	---	---	4.67	5.53	4.02	---	3.92	---	---
MAX	4.48	---	---	9.48	---	9.70	17.82	5.11	4.21	4.47	9.30	10.23
MIN	3.54	4.04	---	---	4.24	4.12	3.95	3.94	3.88	3.76	---	---

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.

GAGE.--Water-stage recorder. Datum of gage is 65.00 ft (19.812 m) above mean sea level (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 1977 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--5 years, 81.9 ft³/s (2.319 m³/s), 24.72 m/yr (628 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 4,460 ft³/s (126 m³/s) Apr. 22, 1977, gage height, 23.02 ft (7.016 m); minimum daily, no flow many days in most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 4,460 ft³/s (126 m³/s) Apr. 22, 1977, gage height, 23.02 ft (7.016 m); minimum daily, 0.03 ft³/s (0.001 m³/s) Oct. 26-28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.34	.76	14	4.5	142	24	498	2.9	7.3	.26	12	5.7
2	.40	.40	5.7	22	40	14	71	156	.57	.22	66	3.9
3	.40	.29	3.2	334	592	16	29	333	.45	.18	12	3.3
4	.40	.19	2.0	160	763	1150	65	103	.36	.20	2.2	3.2
5	.46	.14	1.6	40	209	672	143	27	.36	.28	1.2	268
6	1.1	.10	11	91	42	300	35	10	.30	.26	1.0	1450
7	.70	.14	336	261	22	152	15	5.0	.28	.26	.80	921
8	.52	.14	219	82	14	42	8.3	2.9	.24	.28	.54	130
9	.52	.14	27	185	11	22	5.9	2.2	.26	5.6	.42	278
10	.29	.14	11	141	7.2	14	3.9	1.7	.24	2.4	.42	915
11	.34	.37	62	42	5.9	15	2.8	1.4	.24	.75	.90	737
12	.34	18	116	21	92	77	2.3	1.5	.22	.85	1.0	142
13	.34	53	268	26	158	79	2.3	1.0	.26	.54	.85	35
14	.24	24	145	1330	48	23	1.9	.67	.36	.70	.70	203
15	.19	46	196	772	21	13	2.1	.51	.45	.51	1.3	283
16	.14	16	79	118	11	8.9	1.7	.44	.51	.39	65	211
17	.10	4.9	25	32	7.2	5.7	1.5	.35	.51	.24	3.0	49
18	.09	2.4	13	19	5.3	4.9	1.5	.30	.45	.18	3.0	21
19	.08	5.7	7.7	12	10	4.7	494	.23	.36	.38	9.6	11
20	.07	13	35	9.2	4.1	3.5	1180	.20	.36	1.9	20	21
21	.06	3.8	78	7.4	3.3	3.1	3030	.17	.36	9.4	144	16
22	.05	2.2	24	5.9	3.3	2.6	4270	.38	.33	4.6	898	7.0
23	.04	1.7	11	6.8	80	2.2	1650	.47	.26	1.6	1360	3.9
24	.04	1.3	5.9	8.1	414	2.2	67	.50	.24	6.3	1090	2.7
25	.04	1.0	204	6.3	107	2.8	26	.58	.26	.75	506	2.2
26	.03	.82	552	5.0	48	2.5	14	.90	.26	26	140	1.7
27	.03	1.2	176	20	253	2.3	7.2	.52	.24	83	99	1.6
28	.03	179	34	32	69	16	4.5	.76	.24	16	52	1.4
29	1.6	256	17	16	---	51	3.5	.72	.24	3.1	31	1.2
30	19	58	11	20	---	64	3.1	.48	.26	.80	12	1.2
31	2.3	---	7.2	321	---	1270	---	1.6	---	.54	8.5	---
TOTAL	30.28	690.83	2697.3	4150.2	3182.3	4059.4	11639.5	657.38	16.77	168.47	4542.43	5730.0
MEAN	.98	23.0	87.0	134	114	131	388	21.2	.56	5.43	147	191
MAX	19	256	552	1330	763	1270	4270	333	7.3	83	1360	1450
MIN	.03	.10	1.6	4.5	3.3	2.2	1.5	.17	.22	.18	.42	1.2

CAL YR 1976 TOTAL 12907.81 MEAN 35.3 MAX 1440 MIN 0
WTR YR 1977 TOTAL 37564.86 MEAN 103 MAX 4270 MIN .03

07377782 WHITE BAYOU SOUTHEAST OF ZACHARY, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.59	3.62	4.42	3.94	7.06	4.70	10.67	3.82	4.01	3.48	3.97	4.01
2	3.60	3.56	4.07	4.44	5.14	4.36	5.85	6.04	3.56	3.46	5.76	3.90
3	3.60	3.54	3.90	9.30	10.30	4.40	4.84	9.27	3.52	3.44	4.27	3.85
4	3.60	3.52	3.79	7.25	12.72	14.94	5.42	6.50	3.50	3.45	3.83	3.84
5	3.61	3.51	3.74	5.15	7.71	12.00	7.07	4.78	3.50	3.49	3.71	6.95
6	3.71	3.50	4.04	5.85	5.19	9.00	4.99	4.25	3.48	3.49	3.69	16.56
7	3.65	3.51	9.56	8.59	4.64	7.19	4.40	4.01	3.47	3.49	3.64	13.62
8	3.62	3.51	8.11	5.80	4.37	5.20	4.14	3.87	3.45	3.50	3.59	6.83
9	3.62	3.51	4.86	7.24	4.25	4.64	4.02	3.79	3.46	3.81	3.55	8.15
10	3.58	3.51	4.33	7.13	4.09	4.39	3.90	3.74	3.45	3.82	3.55	13.52
11	3.59	3.55	5.57	5.19	4.02	4.38	3.81	3.70	3.45	3.62	3.66	12.55
12	3.59	4.38	6.90	4.59	5.96	5.99	3.76	3.72	3.44	3.64	3.68	6.79
13	3.59	5.52	8.85	4.66	7.37	6.02	3.76	3.73	3.46	3.58	3.65	4.99
14	3.57	4.79	7.30	15.84	5.34	4.67	3.71	3.72	3.50	3.62	3.62	7.70
15	3.56	5.39	8.02	12.72	4.60	4.33	3.73	3.72	3.53	3.58	3.64	8.81
16	3.55	4.50	6.12	6.61	4.26	4.17	3.69	3.73	3.55	3.54	5.59	8.01
17	3.54	4.02	4.81	4.92	4.09	4.01	3.66	3.72	3.55	3.49	3.87	5.36
18	3.55	3.83	4.39	4.54	3.99	3.96	3.66	3.69	3.53	3.46	3.86	4.59
19	3.59	3.97	4.17	4.31	4.19	3.95	8.24	3.67	3.51	3.52	4.20	4.26
20	3.58	4.37	5.03	4.18	3.91	3.87	15.15	3.66	3.51	3.72	4.58	4.56
21	3.59	3.95	6.12	4.10	3.85	3.83	20.90	3.68	3.51	4.01	6.06	4.44
22	3.58	3.81	4.77	4.02	3.85	3.79	22.79	3.69	3.50	3.97	13.25	4.06
23	3.59	3.76	4.33	4.07	5.10	3.74	15.90	3.69	3.47	3.76	16.08	3.87
24	3.60	3.70	4.08	4.13	10.03	3.74	5.78	3.68	3.46	4.04	14.60	3.77
25	3.63	3.66	6.96	4.04	6.39	3.81	4.75	3.69	3.47	3.63	10.72	3.71
26	3.64	3.63	11.44	3.97	5.22	3.78	4.38	3.73	3.47	4.10	6.85	3.64
27	3.64	3.69	7.36	4.52	8.52	3.76	4.09	3.71	3.47	5.81	6.40	3.63
28	3.64	7.46	4.96	4.93	5.79	4.35	3.94	3.76	3.47	4.43	5.43	3.60
29	3.71	8.70	4.49	4.45	---	5.41	3.87	3.80	3.47	3.88	4.88	3.58
30	4.58	5.63	4.25	4.50	---	5.20	3.83	3.76	3.48	3.64	4.32	3.57
31	3.81	---	4.09	9.17	---	15.61	---	3.73	---	3.59	4.15	---
MEAN	3.64	4.25	5.64	5.94	5.78	5.59	6.62	4.13	3.51	3.74	5.57	6.22
MAX	4.58	8.70	11.44	15.84	12.72	15.61	22.79	9.27	4.01	5.81	16.08	16.56
MIN	3.54	3.50	3.74	3.94	3.85	3.74	3.66	3.66	3.44	3.44	3.55	3.57

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 good above 10 ft³/s (0.28 m³/s) and poor below. Records of dissolved oxygen and water temperatures for water year 1977 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--5 years, 13.1 ft³/s (0.371 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 661 ft³/s (18.7 m³/s), gage height 17.25 ft (5.258 m) Apr. 23, 1977 (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, 661 ft³/s (18.7 m³/s), gage height 17.25 ft (5.258 m) Apr. 23, 1977; minimum daily 0.01 ft³/s (<0.001 m³/s) Oct. 26-28.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.23	.33	3.5	1.9	33	3.1	111	.32	26	.12	1.6	2.8
2	.25	.20	2.3	23	9.1	1.7	23	24	2.7	.12	6.5	1.5
3	.27	.12	1.5	87	127	2.8	5.3	51	.44	.20	.30	.67
4	.30	.09	.98	31	97	160	29	7.2	.19	.47	.11	.76
5	.32	.07	.74	8.7	28	55	58	2.7	.19	.30	.12	95
6	.43	.06	4.2	34	7.9	53	14	1.2	.15	.11	.22	316
7	.38	.06	82	64	3.5	22	2.7	.78	.14	.17	.17	123
8	.33	.05	16	17	2.4	6.0	1.0	.60	.10	.15	.16	16
9	.26	.05	6.1	34	1.6	2.8	.41	.48	.09	.11	.18	38
10	.18	.04	5.0	54	1.6	1.9	.30	.36	.11	.17	.13	217
11	.26	.04	21	9.6	1.3	1.9	.24	.26	.11	.19	.56	131
12	.23	.70	17	4.0	55	51	.22	.17	.13	.16	.30	23
13	.21	7.2	42	9.5	53	22	.21	.14	.16	.22	.20	17
14	.16	18	30	197	13	5.0	.59	.12	.21	.27	.60	66
15	.11	6.2	65	72	4.2	2.3	.21	.10	.23	.12	.20	62
16	.08	2.4	18	15	2.1	2.0	.18	.08	.23	.07	.14	50
17	.06	1.9	6.6	4.9	1.6	1.2	.17	.07	1.3	.05	.62	9.3
18	.06	1.5	5.1	3.2	1.3	.76	.17	.05	.36	.07	33	2.8
19	.05	1.9	5.4	2.4	.85	.68	.27	.04	.21	8.6	42	1.1
20	.04	4.5	16	2.1	.80	.68	43	.02	.24	4.5	3.4	.86
21	.03	1.2	9.1	1.8	.80	.60	352	.02	.28	.22	39	.68
22	.03	.92	5.5	1.5	.90	.64	474	.02	.28	.12	65	.53
23	.02	.69	4.3	1.3	2.1	.64	632	.02	.34	.10	42	.44
24	.02	.54	3.8	1.9	4.6	.53	464	.02	.36	.10	144	.41
25	.02	.45	66	1.6	2.6	.68	45	.02	.36	.13	183	.38
26	.01	.38	92	1.4	12	.76	12	.02	.34	.16	62	.38
27	.01	.56	22	10	41	.68	3.9	.02	.32	3.8	36	.34
28	.01	88	6.5	6.0	8.5	5.8	1.3	.03	.18	45	2.6	.24
29	.37	42	3.5	3.2	---	1.7	.76	.03	.18	3.0	6.7	.23
30	6.6	7.2	2.6	7.2	---	6.1	.53	.04	.15	.38	15	.22
31	.51	---	2.1	82	---	193	---	.07	---	.15	9.8	---
TOTAL	11.84	187.35	565.82	792.2	516.75	606.95	2275.46	90.00	36.08	69.33	695.61	1177.64
MEAN	.38	6.25	18.3	25.6	18.5	19.6	75.8	2.90	1.20	2.24	22.4	39.3
MAX	6.6	88	92	197	127	193	632	51	26	45	183	316
MIN	.01	.04	.74	1.3	.80	.53	.17	.02	.09	.05	.11	.22
CAL YR 1976	TOTAL	2380.72	MEAN	6.50	MAX	208	MIN	0				
WTR YR 1977	TOTAL	7025.03	MEAN	19.2	MAX	632	MIN	.01				

07377842 WHITE BAYOU NEAR BAKER, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.65	4.12	4.37	4.15	5.65	4.32	7.65	3.81	5.38	3.56	3.84	4.27
2	4.63	4.00	4.41	4.99	4.82	4.13	5.36	---	4.24	3.57	4.55	4.09
3	4.63	3.91	4.44	7.06	7.88	4.16	4.55	---	3.76	3.61	3.76	3.92
4	4.61	3.91	4.47	5.59	7.30	8.87	5.14	---	3.57	3.84	3.61	3.93
5	4.63	3.94	4.51	4.80	5.52	6.26	6.31	---	3.57	3.76	3.61	6.77
6	4.74	3.95	4.87	5.40	4.74	6.19	5.00	---	3.52	3.69	3.73	11.94
7	4.73	3.97	6.93	6.47	4.36	5.34	4.25	---	3.50	3.64	3.67	7.94
8	4.69	4.01	5.13	5.12	4.23	4.61	4.00	---	3.46	3.63	3.66	5.12
9	4.67	4.05	4.63	5.53	4.10	4.28	3.85	---	3.45	3.59	3.68	5.75
10	4.67	4.07	4.53	6.21	4.10	4.15	3.80	---	3.47	3.66	3.63	10.01
11	4.73	4.14	5.27	4.83	4.05	4.15	3.77	---	3.47	3.68	3.77	8.15
12	4.65	4.66	5.18	4.42	5.91	6.11	3.75	3.71	3.49	3.65	3.90	5.35
13	4.76	4.71	5.92	4.60	6.17	5.33	3.74	3.67	3.52	3.67	3.74	5.15
14	4.78	5.20	5.54	9.79	5.00	4.52	3.85	3.65	3.60	3.73	4.19	6.51
15	4.76	4.59	6.49	6.67	4.44	4.21	3.74	3.63	3.65	3.61	3.69	6.42
16	4.77	4.34	5.19	5.09	4.18	4.17	3.71	3.61	3.64	3.57	3.62	6.11
17	4.79	4.40	4.66	4.52	4.10	4.03	3.70	3.60	3.95	3.55	3.88	4.81
18	4.78	4.47	4.54	4.33	4.05	3.95	3.70	3.58	3.73	3.57	5.12	4.27
19	4.80	4.74	4.57	4.22	3.97	3.93	3.77	3.57	3.63	4.16	5.85	4.01
20	4.82	4.90	5.12	4.19	3.96	3.93	5.47	3.53	3.67	4.30	4.33	3.93
21	4.82	4.56	4.83	4.14	3.96	3.91	13.06	3.53	3.70	3.70	5.37	3.87
22	4.83	4.61	4.58	4.09	3.98	3.92	14.92	3.53	3.70	3.62	6.50	3.82
23	4.84	4.66	4.46	4.05	4.12	3.92	16.95	3.54	3.75	3.60	5.90	3.78
24	4.84	4.64	4.40	4.16	4.48	3.89	14.86	3.53	3.76	3.60	8.22	3.76
25	4.85	4.61	6.27	4.10	4.26	3.93	---	3.55	3.76	3.63	9.40	3.75
26	4.85	4.65	7.16	4.08	4.62	3.95	4.99	3.55	3.75	3.66	6.42	3.75
27	4.86	4.78	5.34	4.80	5.88	3.93	4.40	3.53	3.72	3.88	5.70	3.71
28	4.86	7.05	4.65	4.61	4.75	4.48	4.05	3.56	3.62	5.94	4.24	3.65
29	4.92	5.89	4.37	4.33	---	4.11	3.95	3.56	3.63	4.27	4.34	3.63
30	5.38	4.70	4.25	4.47	---	4.21	3.89	3.57	3.59	3.82	5.05	3.62
31	4.47	---	4.19	6.92	---	9.68	---	3.59	---	3.65	4.84	---
MEAN	4.77	4.54	5.01	5.09	4.81	4.73	---	---	3.71	3.79	4.70	5.19
MAX	5.38	7.05	7.16	9.79	7.88	9.68	16.95	---	5.38	5.94	9.40	11.94
MIN	4.47	3.91	4.19	4.05	3.96	3.89	3.70	3.53	3.45	3.55	3.61	3.62

MISSISSIPPI RIVER DELTA

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 25.85 ft (7.879 m) above mean sea level (Louisiana Geodetic Survey bench mark; 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 3.00 ft (0.914 m) higher.

REMARKS.--Records fair. Since 1957, entire flow from 46 mi² (119 km²) diverted from basin. Records of dissolved oxygen and water temperatures for the water year 1976 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--33 years, 453 ft³/s (12.83 m³/s), 21.66 in/yr (550 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 24,100 ft³/s (683 m³/s) Apr. 23, 1977; maximum gage height, 28.64 ft (8.729 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. 14	1715	6930 196	13.10 3.993	Aug. 25	0245	10900 309	16.15 5.047
Mar. 4	1845	5770 163	12.02 3.664	Sept. 6	1300	12300 348	18.24 5.560
Mar. 31	1645	7740 219	13.84 4.218	Sept. 10	1845	5980 169	14.23 4.337
APR. 23	0615	*24100 683	*25.52 7.778				

Minimum discharge, 28 ft³/s (1.33 m³/s) Aug. 1; minimum gage height, 0.36 ft (0.110 m) Sept. 30.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	68	119	209	140	350	305	3330	150	116	50	62	180
2	63	73	149	170	190	209	743	300	87	50	332	160
3	60	57	125	350	1000	179	438	586	81	49	326	145
4	60	53	113	600	2500	4080	395	340	76	52	181	138
5	60	50	106	300	882	4420	965	200	76	50	114	1610
6	77	49	159	260	348	3140	470	160	74	54	105	11000
7	103	49	1290	480	246	1410	296	135	74	56	74	9320
8	68	47	864	240	204	655	230	130	73	56	95	4090
9	63	47	282	280	179	417	201	125	73	59	65	1110
10	62	47	185	650	156	333	183	119	71	153	50	4340
11	61	50	243	350	140	293	169	116	71	127	53	4100
12	61	113	428	246	170	527	158	111	71	78	90	1010
13	60	156	746	214	183	712	149	106	73	92	52	542
14	60	190	734	5290	175	432	142	103	74	180	100	1170
15	61	248	841	4490	175	296	137	102	76	207	53	1120
16	64	171	526	1840	173	249	132	98	76	79	106	1070
17	63	106	283	478	162	224	130	97	82	57	73	676
18	61	79	198	300	145	207	129	95	81	49	980	345
19	61	106	165	248	135	194	180	94	90	47	1320	244
20	59	132	259	218	124	183	920	92	94	130	372	203
21	60	95	335	197	115	174	11600	90	62	129	476	175
22	60	84	239	185	109	167	20100	89	59	86	3430	155
23	60	71	176	175	112	160	19100	87	57	54	5610	140
24	60	63	147	169	1490	157	4320	89	56	90	4540	125
25	60	62	580	166	997	161	1190	94	53	60	6930	120
26	60	62	2170	162	321	164	455	92	53	50	1300	115
27	59	70	832	220	790	168	296	94	53	54	542	106
28	60	724	313	212	839	228	200	89	53	156	338	103
29	74	986	221	180	---	440	170	84	53	66	269	95
30	230	382	183	160	---	326	160	81	50	45	250	90
31	160	---	154	250	---	5440	---	79	---	38	199	---
TOTAL	2238	4541	13255	19220	12410	26050	67088	4227	2138	2503	28487	43797
MEAN	72.2	151	428	620	443	840	2236	136	71.3	80.7	919	1460
MAX	230	986	2170	5290	2500	5440	20100	586	116	207	6930	11000
MIN	59	47	106	140	109	157	129	79	50	38	50	90
CFSM	.25	.53	1.51	2.18	1.56	2.96	7.87	.48	.25	.28	3.24	5.14
IN.	.29	.59	1.74	2.52	1.63	3.41	8.79	.55	.28	.33	3.73	5.74

CAL YR 1976 TOTAL 99619 MEAN 272 MAX 8020 MIN 47 CFSM .96 IN 13.05
WTR YR 1977 TOTAL 225954 MEAN 619 MAX 20100 MIN 38 CFSM 2.18 IN 29.60

07378000 COMITE RIVER NEAR COMITE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.30	1.72	2.18	---	---	2.57	8.60	---	1.39	.56	.77	1.26
2	1.26	1.44	1.85	---	---	2.04	3.70	---	1.01	.55	2.42	1.03
3	1.24	1.34	1.71	---	---	1.85	2.63	5.10	.93	.54	2.36	.78
4	1.23	1.32	1.63	---	---	9.69	2.40	3.59	.87	.58	1.52	.72
5	1.24	1.30	1.59	---	4.43	10.52	4.33	---	.86	.56	1.10	4.64
6	1.37	1.29	1.84	---	2.76	8.78	2.77	---	.85	.62	1.04	17.90
7	1.56	1.29	5.41	---	2.21	5.54	1.99	---	.85	.65	.85	17.12
8	1.30	1.28	4.39	---	1.96	3.44	1.65	---	.84	.65	.98	10.78
9	1.26	1.28	2.55	---	1.80	2.54	1.50	---	.83	.67	.79	5.17
10	1.25	1.28	2.05	---	---	2.16	1.40	1.44	.82	1.30	.69	11.27
11	1.24	1.30	2.36	---	---	1.98	1.32	1.38	.81	1.19	.71	10.75
12	1.24	1.66	3.19	2.31	---	2.98	1.26	1.34	.81	.88	.95	4.85
13	1.23	1.93	4.15	2.14	1.83	3.65	1.21	1.28	.83	.97	.70	3.18
14	1.23	2.10	4.13	11.19	1.78	2.60	1.17	1.25	.85	1.49	1.01	5.31
15	1.24	2.40	4.41	10.51	1.77	1.99	1.14	1.22	.87	1.64	.71	5.23
16	1.27	2.00	3.52	6.57	1.76	1.75	1.11	1.18	.86	.88	1.05	5.06
17	1.25	1.63	2.56	3.29	1.65	1.63	1.10	1.15	.94	.74	.84	3.67
18	1.24	1.48	2.12	2.52	1.57	1.53	1.09	1.12	.91	.68	3.79	2.18
19	1.24	1.62	1.94	2.22	1.52	1.46	1.38	1.09	1.06	.67	5.34	1.52
20	1.23	1.79	2.44	2.05	1.47	1.40	4.08	1.07	1.09	1.20	2.55	1.22
21	1.24	1.57	2.81	1.92	1.43	1.35	17.11	1.05	.72	1.19	2.71	---
22	1.23	1.51	2.34	1.84	1.40	1.31	23.24	1.03	.68	.92	8.36	---
23	1.23	1.43	2.00	1.78	1.41	1.27	24.49	1.00	.66	.72	12.28	---
24	1.23	1.39	1.84	1.74	5.61	1.25	16.85	1.03	.63	.95	10.71	---
25	1.24	1.38	3.20	1.73	4.71	1.27	8.54	1.11	.61	.76	14.16	---
26	1.23	1.38	7.22	1.70	2.65	1.29	4.28	1.07	.60	.69	5.42	---
27	1.23	1.42	4.31	2.06	4.19	1.31	3.29	1.11	.59	.72	3.11	.47
28	1.23	3.87	2.70	2.01	4.36	1.64	---	1.03	.59	1.37	2.33	.45
29	1.33	4.72	2.25	---	---	2.32	---	.95	.61	.80	1.89	.40
30	2.31	2.99	2.04	---	---	2.13	---	.92	.57	.65	1.79	.37
31	1.95	---	1.88	---	---	10.98	---	.90	---	.60	1.50	---
MEAN	1.32	1.77	2.86	---	---	3.10	---	---	.82	.85	3.05	---
MAX	2.31	4.72	7.22	11.19	---	10.98	24.49	5.10	1.39	1.64	14.16	17.90
MIN	1.23	1.28	1.59	---	1.40	1.25	1.09	.90	.57	.54	.69	.37

MISSISSIPPI RIVER DELTA

07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA

LOCATION.--Lat 30°27'50", long 90°59'25", in lot 2, T.7 S., R.2 E., St. Helena meridian, Livingston Parish, Hydrologic Unit 08070202, on right bank at downstream side of bridge on U.S. Highway 190, 1,000 ft (300 m) downstream from Comite River, 2.3 mi (3.7 km) southwest of town of Denham Springs, and 15 mi (24 km) east of Baton Rouge.

DRAINAGE AREA.--1,280 mi² (3,315 km²).

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

REVISED RECORDS.--WSP 1920: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 3.87 ft (1.180 m) above mean sea level. Prior to Aug. 8, 1939, nonrecording gage at same site and datum. Auxiliary water-stage recorder 3.0 mi (4.8 km) downstream from base gage at datum 3.12 ft (0.951 m) above mean sea level (Corps of Engineers bench mark). Oct. 1, 1945, to Dec. 23, 1952, nonrecording gage at same site and datum.

REMARKS.--Records good. Since 1957, entire flow from 46 mi² (119 km²) diverted from basin. Records of dissolved oxygen and water temperatures for the water year 1977 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--39 years, 1,921 ft³/s (54.40 m³/s), 20.38 in/yr (518 mm/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 110,000 ft³/s (3,110 m³/s) Apr. 23, 1977, gage height, 37.21 ft (11.342 m); minimum daily discharge, 271 ft³/s (7.67 m³/s) Oct. 17, 18, 1956.

EXTREMES FOR CURRENT YEAR.--Peak discharge 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. 15	2400	14000 396	22.37 6.818	Apr. 23	1445	*110000 3110	*37.21 11.342
Mar. 6	2215	14100 399	22.39 6.824	Aug. 25	1745	15500 439	23.48 7.157
Apr. 1	1145	12900 393	21.96 6.693	Sept. 7	1900	36800 1040	28.63 8.726

Minimum discharge, 347 ft³/s (9.83 m³/s) Oct. 23, 28, gage height, 6.39 ft (1.948 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	404	674	1170	922	2520	3330	12200	1450	643	359	503	1150
2	394	534	834	1010	1850	2190	8150	1530	541	362	969	993
3	387	453	695	2640	3690	1680	3730	3180	505	370	1020	791
4	380	422	628	2510	7700	5080	2260	2340	493	390	1420	706
5	377	404	590	2030	6650	10100	2880	1560	487	450	1110	2380
6	478	394	618	2050	3690	13400	3020	1220	486	500	965	16000
7	481	394	2560	3410	2280	13800	2290	1090	476	546	659	32700
8	446	390	2770	2400	1740	11500	1710	1020	499	515	576	27600
9	418	380	1710	2060	1470	5420	1420	979	464	588	479	12800
10	394	380	1080	2980	1300	2490	1270	915	463	591	425	10600
11	387	387	1120	3150	1180	2420	1140	873	466	740	408	13000
12	374	474	1340	2390	1210	2810	1030	840	469	587	498	9580
13	371	621	2130	1820	2090	3610	978	807	485	640	436	5440
14	371	750	2580	6750	2270	3490	942	773	549	1170	509	4730
15	365	898	2920	12500	1810	2490	894	724	733	1100	453	5380
16	374	854	2360	13400	1490	1940	866	665	634	708	416	5500
17	387	660	1710	9500	1240	1670	846	587	566	615	435	4510
18	368	544	1220	4800	1100	1500	826	576	600	591	1430	3050
19	362	607	990	2410	1020	1390	946	560	615	517	3550	1980
20	359	712	1210	1870	970	1270	2230	540	789	585	1740	1500
21	356	583	1390	1620	926	1190	15600	520	560	610	1800	1270
22	356	551	1280	1460	882	1130	47000	520	480	550	4340	1100
23	353	516	1020	1360	862	1070	94900	510	451	461	8100	998
24	359	478	874	1280	1950	1050	66800	510	429	470	7950	908
25	368	457	1010	1210	4280	1040	29000	510	411	415	13900	843
26	356	464	3020	1170	3680	1030	10400	500	397	718	11500	789
27	353	474	4280	1410	3520	1030	7950	490	373	1000	4750	739
28	353	1100	2460	1320	4350	1180	2600	490	373	800	2100	700
29	374	2520	1640	1180	---	1370	1930	490	377	600	1440	696
30	1240	1890	1270	1150	---	1770	1660	490	366	457	1300	682
31	709	---	1050	2650	---	5980	---	500	---	410	1170	---
TOTAL	13054	19965	49529	96412	67720	109420	327468	27759	15180	18415	76351	169115
MEAN	421	666	1598	3110	2419	3530	10920	895	506	594	2463	5637
MAX	1240	2520	4280	13400	7700	13800	94900	3180	789	1170	13900	32700
MIN	353	380	590	922	862	1030	826	490	366	359	408	682
CFSM	.33	.52	1.25	2.43	1.89	2.76	8.53	.70	.40	.46	1.92	4.40
IN.	.38	.58	1.44	2.80	1.97	3.18	9.52	.81	.44	.54	2.22	4.91
CAL YR 1976	TOTAL	468569	MEAN	1280	MAX	15000	MIN	353	CFSM	1.00	IN	13.62
WTR YR 1977	TOTAL	990388	MEAN	2713	MAX	94900	MIN	353	CFSM	2.12	IN	28.78

07378500 AMITE RIVER NEAR DENHAM SPRINGS, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.59	7.34	8.56	7.98	11.54	13.15	21.66	9.68	7.81	6.84	7.42	9.37
2	6.54	6.94	7.76	8.18	10.08	10.83	19.25	9.82	7.54	6.85	8.64	9.00
3	6.52	6.71	7.40	11.78	13.31	9.72	14.24	13.01	7.42	---	8.71	8.49
4	6.50	6.62	7.20	11.52	19.06	15.66	10.99	11.45	7.36	---	9.63	8.27
5	6.49	6.57	7.10	10.49	17.98	20.65	12.26	9.90	7.33	---	8.97	11.39
6	6.78	6.54	7.17	10.49	13.80	22.15	12.56	9.23	7.29	---	8.63	23.47
7	6.79	6.54	11.63	13.34	11.03	22.29	11.05	8.95	7.25	7.33	7.85	27.75
8	6.69	6.53	12.06	11.27	9.85	21.48	9.77	8.78	7.29	7.23	7.63	26.95
9	6.61	6.50	9.78	10.54	9.25	18.36	9.14	8.67	7.17	7.41	7.37	22.80
10	6.54	6.50	8.37	12.47	8.86	13.70	8.80	8.50	7.15	7.41	7.22	21.62
11	6.52	6.52	8.45	12.82	8.61	11.34	8.52	8.40	7.14	7.78	7.17	22.67
12	6.48	6.77	8.96	11.27	8.67	12.14	8.25	8.31	7.12	7.37	7.42	21.02
13	6.47	7.19	10.72	10.03	10.63	13.72	8.12	8.23	7.14	7.48	7.24	16.88
14	6.47	7.55	11.68	17.58	11.03	13.49	8.03	8.14	7.29	8.77	7.45	15.83
15	6.45	7.92	12.35	21.78	10.00	11.49	7.91	8.02	7.76	8.60	7.29	16.89
16	6.48	7.81	11.21	22.13	9.28	10.29	7.84	7.87	7.48	7.62	7.19	17.07
17	6.52	7.30	9.77	20.24	8.74	9.68	7.79	7.66	7.29	7.37	7.24	15.47
18	6.46	6.97	8.68	15.54	8.43	9.32	7.74	7.63	7.35	7.28	9.36	12.98
19	6.44	7.13	8.15	11.32	8.23	9.06	8.02	---	7.36	7.13	13.73	11.06
20	6.43	7.44	8.67	10.14	8.10	8.81	10.84	---	7.79	7.36	10.26	10.19
21	6.42	7.08	9.07	9.58	7.99	8.63	21.81	---	7.23	7.48	10.33	9.75
22	6.42	6.99	8.83	9.22	7.88	8.48	29.54	---	7.04	7.37	15.04	9.42
23	6.41	6.89	8.23	8.99	7.83	8.34	36.19	---	6.99	7.16	20.11	9.19
24	6.43	6.78	7.86	8.83	10.26	8.30	34.06	---	6.95	7.24	19.85	8.98
25	6.45	6.72	8.18	8.66	14.90	8.28	27.49	---	6.92	7.14	23.13	8.83
26	6.42	6.74	12.30	8.58	13.84	8.24	---	---	6.92	7.89	21.95	8.70
27	6.41	6.77	14.87	9.11	13.55	8.24	---	---	6.88	---	16.99	8.57
28	6.41	8.38	11.41	8.91	15.01	8.59	11.97	---	6.88	---	11.19	8.47
29	6.47	11.51	9.63	8.61	---	9.03	10.63	---	6.89	---	9.95	8.47
30	8.69	10.17	8.79	8.53	---	9.90	10.09	---	6.86	7.30	9.68	8.43
31	7.44	---	8.30	---	---	16.16	---	---	---	7.17	9.41	---
MEAN	6.60	7.25	9.46	---	10.99	12.24	---	---	7.23	---	10.78	13.93
MAX	8.69	11.51	14.87	22.13	19.06	22.29	36.19	13.01	7.81	8.77	23.13	27.75
MIN	6.41	6.50	7.10	7.98	7.83	8.24	7.74	---	6.86	6.84	7.17	8.27

MISSISSIPPI RIVER DELTA

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.7S., 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 (Sta 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.

PERIOD OF RECORD.--October 1973 to September 1975, February to September 1977 (gage heights only). Unpublished records, October 1945 to September 1973, available in files of Baton Rouge district office.

GAGE.--Water-stage recorder. Datum of gage is 3.12 ft (0.951 m) above mean sea level (Corps of Engineers bench mark). Prior to Dec. 23, 1952, nonrecording gage at same site and datum.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 35.09 ft (10.695 m) Apr. 23, 1977; minimum, 2.96 ft (0.902 m) Oct. 26, 1974.

EXTREMES FOR CURRENT YEAR.--Maximum gage height during period February to September, 35.09 ft (10.695 m) Apr. 23, 1977; minimum, 3.50 ft (1.067 m) June 30, July 1, 3, 4.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					---	11.37	18.68	6.78	4.37	3.50	3.79	6.11
2					---	8.56	18.16	6.54	4.24	3.51	6.17	5.76
3					---	7.02	13.85	11.18	4.09	3.54	4.67	5.08
4					---	8.66	8.57	9.34	4.03	3.50	6.57	4.69
5					---	15.94	8.69	7.24	3.99	3.55	5.80	5.00
6					---	19.18	9.90	6.30	3.96	3.56	5.73	19.71
7					---	20.16	8.56	5.91	3.91	3.94	4.62	25.07
8					---	20.06	6.95	5.71	3.99	3.83	4.27	26.14
9					---	18.29	6.11	5.59	3.84	4.20	4.02	22.01
10					---	14.20	5.67	5.38	3.82	3.94	3.85	18.92
11					---	9.47	5.34	5.25	3.79	4.55	3.71	20.47
12					---	8.22	4.97	5.14	3.78	3.99	4.05	19.69
13					---	9.78	4.80	5.03	3.77	3.82	3.92	16.34
14					---	11.35	4.74	4.94	3.77	5.65	4.00	---
15					---	9.85	4.54	4.86	4.51	5.62	3.97	---
16					---	7.97	4.46	4.78	4.23	4.24	3.69	---
17					---	7.01	4.42	4.70	3.91	4.01	3.83	---
18					---	6.47	4.37	4.62	4.01	3.89	3.89	---
19					---	6.16	4.29	4.57	4.17	3.74	12.33	---
20					---	5.83	6.30	4.50	4.93	3.72	7.79	---
21					---	5.58	17.05	4.45	3.97	4.23	5.76	---
22					---	5.29	25.79	4.42	3.72	4.04	10.38	---
23					---	5.10	34.13	4.39	3.67	3.80	16.19	---
24					5.12	5.05	33.47	4.33	3.63	3.70	16.90	---
25					11.50	5.02	27.25	4.37	3.61	3.78	19.76	---
26					11.70	4.98	21.13	4.36	3.60	3.70	20.70	---
27					10.38	5.00	15.97	4.30	3.57	6.07	17.08	5.03
28					11.85	5.07	10.84	4.29	3.54	5.27	10.08	4.91
29					---	5.59	8.12	4.24	3.56	4.62	6.88	4.99
30					---	6.76	7.33	4.18	3.53	4.01	6.53	4.75
31					---	9.27	---	4.13	---	3.75	5.96	---
MEAN					---	9.30	11.82	5.35	3.92	4.11	7.64	---
MAX					---	20.16	34.13	11.18	4.93	6.07	20.70	26.14
MIN					---	4.98	4.29	4.13	3.53	3.50	3.69	4.75

WATER QUALITY RECORDS

WATER TEMPERATURES: Maximum, 33.0°C July 31, Aug. 1, 1976; minimum, 7.5°C Dec. 27, 1975, Jan. 9, 1976.

[illegible]

07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)
OCT 15...	0	14	3.4	4.0	13	.0	12	50	53	.07
NOV 22...	0	14	4.3	--	--	--	--	--	--	--
DEC 10...	0	10	3.8	--	--	--	--	--	--	--
JAN 11...	0	9	7.0	4.2	5.2	.1	7.7	50	32	.07
FEB 25...	0	9	11	--	--	--	--	--	--	--
MAR 16...	0	11	14	--	--	--	--	--	--	--
APR 06...	0	12	9.6	3.5	6.4	.0	10	59	39	.08
MAY 06...	0	13	6.4	--	--	--	--	--	--	--
JUN 22...	0	16	2.5	--	--	--	--	--	--	--
JUL 12...	0	15	4.6	1.5	6.5	.0	11	44	38	.06
AUG 10...	0	16	2.4	--	--	--	--	--	--	--
SEP 07...	0	7	5.7	--	--	--	--	--	--	--

DATE	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHYTO- PLANK- TON (CELLS PER ML)	SUS- SED. SIEVE DIAM. % FINER THAN .062 MM	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)
OCT 15...	49.3	.03	.16	.19	.84	.05	650	73	25	25
NOV 22...	--	.09	.44	.53	2.3	.08	23	88	60	89
DEC 10...	--	.24	.51	.75	3.3	.13	210	76	112	327
JAN 11...	425	.14	.81	.95	4.2	.06	260	90	187	1590
FEB 25...	--	.26	.97	1.2	5.4	.20	--	--	--	--
MAR 16...	--	.19	.60	.79	3.5	.09	--	53	206	1080
APR 06...	481	.20	1.1	1.3	5.8	.14	--	88	174	1420
MAY 06...	--	.16	.48	.64	2.8	.07	2700	81	83	273
JUN 22...	--	.03	.12	.15	.66	.04	--	100	24	31
JUL 12...	69.7	.11	.47	.58	2.6	.13	--	89	53	84
AUG 10...	--	.26	.35	.61	2.7	.15	--	89	99	128
SEP 07...	--	.09	.88	.97	4.3	.19	--	96	257	22700

DATE	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
OCT 15...	1	0	0	0	10	0	3	0	3	3	1000	110
JAN 11...	2	0	0	0	<10	0	2	2	6	6	--	170
APR 06...	3	1	0	0	10	0	0	0	4	7	2800	180
JUL 12...	2	0	0	0	20	0	0	0	2	2	2100	150

07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT 15...	4	3	70	50	.1	.1	0	0	20	10	.6
JAN 11...	3	3	260	150	.0	.0	0	0	20	10	6.5
APR 06...	14	0	170	60	.0	.0	0	0	10	10	7.5
JUL 12...	4	3	220	70	.0	.0	0	0	10	0	6.2

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	51	47	62	57	47	45	53	51	57	50	35	32
2	52	49	63	56	50	47	67	52	52	50	36	32
3	53	51	63	57	51	49	75	58	62	29	41	34
4	61	51	64	59	52	50	58	54	34	28	94	30
5	60	50	63	56	52	52	54	53	32	---	28	---
6	80	58	69	56	58	51	66	53	28	---	---	---
7	147	67	61	59	126	52	59	49	28	---	---	---
8	83	51	65	59	51	43	49	45	28	---	---	---
9	55	51	80	66	43	41	57	42	28	---	---	---
10	57	53	78	58	46	42	50	42	28	---	---	---
11	55	52	61	57	88	48	43	40	28	---	28	---
12	56	54	68	59	61	57	42	40	28	---	28	---
13	57	54	66	56	76	58	49	41	28	28	28	---
14	57	55	94	59	58	52	86	34	28	38	28	---
15	57	54	85	66	66	53	34	29	28	48	28	---
16	57	54	65	60	54	49	29	29	28	61	28	---
17	62	56	61	60	50	47	31	29	87	76	47	---
18	59	55	59	58	52	49	38	32	103	88	---	---
19	56	53	89	58	54	52	41	38	106	98	---	---
20	54	53	95	77	93	54	48	41	97	93	---	---
21	54	52	77	70	69	59	49	48	96	94	---	---
22	56	54	69	52	58	53	50	49	100	91	---	---
23	57	54	54	52	55	53	52	50	103	55	---	---
24	56	54	50	49	55	54	57	52	93	46	---	---
25	57	54	51	50	94	54	57	54	46	37	---	---
26	55	53	51	49	61	44	56	53	42	33	---	---
27	56	54	52	49	44	40	104	54	66	39	---	---
28	54	53	137	52	43	41	73	61	38	33	---	---
29	65	53	63	49	45	43	61	58	---	---	---	---
30	118	68	49	45	50	45	65	57	---	---	---	---
31	94	63	---	---	51	50	85	57	---	---	---	---

MISSISSIPPI RIVER DELTA

07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) + WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	40	---	---	---	113	58	64	62	---	---	---	---
2	42	37	---	---	96	72	63	61	---	---	---	---
3	48	42	59	40	70	62	64	61	---	---	---	---
4	49	45	55	52	62	59	65	62	---	---	---	---
5	59	47	52	49	59	57	73	57	---	---	---	---
6	52	47	55	51	58	56	62	59	---	---	---	---
7	50	47	56	55	58	56	87	51	---	---	---	---
8	56	50	56	54	57	54	55	52	---	---	---	---
9	59	57	56	54	56	53	77	55	---	---	---	---
10	61	59	59	56	59	54	80	60	---	---	---	---
11	64	61	59	55	58	56	71	58	---	---	---	---
12	65	63	59	55	57	55	65	60	78	62	---	---
13	65	63	64	54	58	55	71	60	80	65	54	43
14	65	61	66	56	80	59	83	57	95	73	63	49
15	72	57	68	57	79	69	58	49	82	73	55	49
16	59	57	70	60	74	67	55	53	90	83	56	49
17	60	48	71	64	69	65	56	53	---	---	49	44
18	53	50	73	67	74	64	58	55	119	74	52	35
19	90	52	74	70	109	63	56	40	77	65	40	34
20	84	59	76	72	109	63	46	39	72	59	34	---
21	---	---	77	74	75	60	62	57	79	71	28	---
22	---	---	79	76	66	63	75	54	73	54	28	---
23	---	---	79	77	63	61	55	53	---	---	28	---
24	---	---	78	56	63	61	54	50	---	---	28	---
25	---	---	61	58	63	62	57	52	---	---	41	---
26	---	---	66	58	63	59	68	45	---	---	---	---
27	---	---	63	59	61	59	---	---	---	---	---	---
28	---	---	62	58	64	60	---	---	---	---	---	---
29	---	---	61	59	66	63	---	---	---	---	---	---
30	---	---	61	59	64	63	---	---	---	---	---	---
31	---	---	60	57	---	---	---	---	---	---	---	---

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

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

07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	19.0	17.5	---	---			---	---	33.0	29.0	---	---
2	20.0	18.0	---	---			---	---	30.5	27.5	---	---
3	22.0	19.5	21.5	19.0			---	---	30.0	29.5	---	---
4	22.0	21.0	20.5	19.5			---	---	30.5	28.0	---	---
5	21.0	19.0	21.0	20.5			---	---	29.5	27.5	---	---
6	19.5	18.0	21.0	20.5			---	---	30.0	27.5	---	---
7	20.5	18.5	20.5	19.5			---	---	32.0	28.5	---	---
8	22.5	20.0	21.0	20.0			---	---	32.0	29.5	---	---
9	23.0	22.0	---	---			---	---	32.5	29.0	---	---
10	24.0	22.0	---	---			---	---	31.0	29.0	---	---
11	24.5	22.0	---	---			---	---	---	---	---	---
12	24.5	22.5	---	---			---	---	---	---	---	---
13	25.0	22.5	---	---			---	---	---	---	---	---
14	25.5	23.0	---	---			---	---	---	---	26.0	24.5
15	25.5	23.5	---	---			---	---	---	---	25.5	25.0
16	26.0	24.0	19.5	17.5			---	---	---	---	25.5	24.5
17	25.5	24.5	20.0	18.5			---	---	---	---	26.0	25.0
18	26.0	24.0	22.5	19.0			---	---	---	---	26.5	25.5
19	26.0	25.0	23.0	21.5			---	---	---	---	27.0	26.0
20	24.5	22.5	22.0	20.5			---	---	---	---	27.0	25.5
21	---	---	24.0	22.5			32.0	31.0	---	---	27.0	25.5
22	---	---	---	---			33.0	30.0	---	---	27.5	25.5
23	---	---	---	---			33.0	30.5	---	---	27.5	25.5
24	---	---	---	---			33.5	31.0	---	---	27.5	25.5
25	---	---	---	---			33.5	31.5	---	---	27.5	26.0
26	---	---	---	---			33.5	28.0	---	---	---	---
27	---	---	---	---			32.0	27.5	---	---	---	---
28	---	---	---	---			31.5	28.5	---	---	---	---
29	---	---	---	---			31.5	29.5	---	---	---	---
30	---	---	---	---			32.5	29.0	---	---	---	---
31	---	---	---	---			32.5	29.5	---	---	---	---

MISSISSIPPI RIVER DELTA

07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

OCT. 15, 1976 1800 HOURS

PHYTOPLANKTON 650 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
....ANKISTRODESMUS	50	8
...SCENEDESMACEAE		
....SCENEDESMUS	57	9
...VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	7	1
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTELLA	7	1
..PENNALES		
...ACHNANTHACEAE		
....RHOICOSPHENIA	7	1
...FRAGILARIACEAE		
....SYNEDRA	14	2
...NAVICULACEAE		
....NAVICULA	93	14
....PINNULARIA	7	1
....STAURONEIS	14	2
...NITZSCHACEAE		
....NITZSCHIA	7	1
CYANOPHYTA		
.MYXOPHYCEAE		
..CHROOCOCCALES		
...CHROOCOCCACEAE		
....ANACYSTIS	240	37
...OSCILLATORIALES		
....OSCILLATORIAEAE		
....LYNGBYA	140	22

NOV. 22, 1976 1415 HOURS

PHYTOPLANKTON 23 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
....ANKISTRODESMUS	4	17
..ZYGEMATALES		
...DESMIDIACEAE		
....CLOSTERIUM	11	50
....STAUROSTRUM	4	17
EUGLENOPHYTA		
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....TRACHELOMONAS	4	17

DEC. 10, 1976 1230 HOURS

PHYTOPLANKTON 210 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
....ANKISTRODESMUS	8	4
...SCENEDESMACEAE		
....ACTINASTRUM	16	8
...SCENEDESMUS	160	77
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTELLA		0
..PENNALES		
...CYMBELLACEAE		
....CYMBELLA	8	4
...EUNOTIACEAE		
....EUNOTIA	8	4
...FRAGILARIACEAE		
....SYNEDRA		0
...GOMPHONEMATACEAE		
....GOMPHONEMA		0
...NAVICULACEAE		
....CALONEIS		0
...NAVICULA		0
....PINNULARIA	8	4
...STAURONEIS		0
...NITZSCHACEAE		
....NITZSCHIA		0
CYANOPHYTA		
.MYXOPHYCEAE		
..OSCILLATORIALES		
...NOSTOCACEAE		
....ANABAENA		0
...OSCILLATORIAEAE		
....OSCILLATORIA		0
EUGLENOPHYTA		
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....EUGLENA		0
PYRRHOPHYTA		
.DINOPHYCEAE		
..PERIDINIALES		
...PERIDINIAEAE		
....PERIDINIUM		0

07378510 AMITE RIVER AT 4-H CAMP, NEAR DENHAM SPRINGS, LA--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

MAY 6, 1977 0800 HOURS

PHYTOPLANKTON 2,700 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
---------------	----------	----------

CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
....ANKISTRODESMUS	13	5
...SCENEDESMACEAE		
....SCENEDESMUS	140	54
..ZYGEMATALES		
...DESMIDIACEAE		
....CLOSTERIUM	6	2
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..PENNALES		
...FRAGILARIACEAE		
....FRAGILARIA	13	5
...SYNEDRA	6	2
...GOMPHONEMATACEAE		
....GOMPHONEMA	6	2
...NAVICULACEAE		
....NAVICULA	57	22
...SURIPELLACEAE		
....SURIPELLA	6	2

FEB. 15, 1977 0930 HOURS

PHYTOPLANKTON 4,900 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
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CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
....ANKISTRODESMUS	330	7
...SCENEDESMACEAE		
....SCENEDESMUS	1,200	24
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..PENNALES		
...EUNOTIACEAE		
....EUNOTIA		0
...GOMPHONEMATACEAE		
....GOMPHONEMA	410	8
...NITZSCHIA	410	8
CYANOPHYTA		
.MYXOPHYCEAE		
..OSCILLATORIALES		
...OSCILLATORIA	2,600	53

ORGANISM NAME	CELLS/ML	PER_CENT
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CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...CHARACIACEAE		
....SCHROEDERIA	12	0
...MICRACTINIACEAE		
....MICRACTINIUM	94	3
...OOCYSTACEAE		
....ANKISTRODESMUS	190	7
...DICTYOSPHAERIUM	1,300	49
...SELENASTRUM	12	0
...SCENEDESMACEAE		
....ACTINASTRUM	94	3
...CRUCIGENIA	230	9
...SCENEDESMUS	210	8
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	70	3
...ZYGEMATALES		
...DESMIDIACEAE		
....COSMARIUM	35	1
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCEAE		
....CYCLOTELLA	23	1
...MELOSIRA	23	1
..PENNALES		
...NITZSCHIA		
....NITZSCHIA	120	4
CHRYSOPHYCEAE		
...CHRYDOMONADALES		
...MALLOMONADACEAE		
....MALLOMONAS	12	0
CYANOPHYTA		
.MYXOPHYCEAE		
..OSCILLATORIALES		
...OSCILLATORIA	230	9
EUGLENOPHYTA		
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....TRACHELOMONAS	23	1

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 at mean sea level (corrected). Prior to October 1974 at datum 1.00 ft (.305 m) higher. Elevations as published in WDR LA 75-1 are correct as published.

REMARKS.--No elevations recorded below 1.09 ft (.332 m). Gage heights affected by tide below about 3.0 ft (.914 m).

EXTREMES FOR PERIOD OF RECORD.--Maximum elevation, 17.38 ft (5.297 m) Apr. 23, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum elevation, 17.38 ft (5.297 m) Apr. 23.

ELEVATION, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					1.41		2.75	2.52				4.01
2							3.48	2.62				3.85
3				1.87	1.40	1.14	3.03	3.18			1.40	3.41
4				1.63	2.79	1.98	1.72	---			1.68	3.48
5				1.18	2.86	2.51		---			1.48	4.12
6	1.33				2.19	3.66		---			1.73	7.52
7			1.57	1.38		4.37					1.78	8.48
8						4.56					1.71	11.19
9				1.15		4.02					1.62	11.18
10						2.78					1.56	9.11
11			1.43			1.84					2.06	7.79
12			1.39			2.13	1.26				2.24	7.26
13			1.12			1.78	1.35				2.19	6.39
14			1.33	2.87		1.61	1.40				2.05	4.72
15			2.20	3.20		1.37	1.56				1.74	4.09
16			1.77	3.72			1.62			1.47	1.72	4.06
17				4.12			1.75			1.62	1.62	3.79
18				3.33			2.04			1.82		3.31
19				1.14			2.03			1.61	2.10	2.65
20		1.19					2.84			1.49		2.32
21							6.59					2.26
22							7.83				1.79	2.16
23							12.56				2.55	2.00
24							---				2.84	2.04
25						1.24	---				3.89	1.98
26			1.67		1.37	1.37	---				5.03	1.84
27			1.30			1.74	---			1.38	5.49	1.76
28						2.02	---				4.04	
29	1.37	1.20				1.96	4.33				3.09	
30	2.26					1.94	3.13				3.46	1.66
31	1.60			1.62		1.74	---				3.74	---
MAX	2.26	1.20	2.20	4.12	2.86	4.56	---	---		1.82	5.49	11.19

07380228 NEW RIVER AT ACY, LA

LOCATION.--Lat 30°13'07", long 90°49'15", at center E½ 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) above mean sea level (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, 8.79 ft (2.679 m) Sept. 6, 1977; minimum, 2.93 ft (0.893 m) Jan. 20, 1977.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 8.79 ft (2.679 m) Sept. 6, 1977; minimum, 2.93 ft (0.893 m) Jan. 20, 1977.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	4.47	4.99	4.28	4.67	5.13	4.18	5.83	6.45	5.17	4.45	4.41	7.50
2	4.43	4.64	4.42	5.06	4.83	4.10	5.68	6.24	5.27	4.34	4.70	7.58
3	4.12	4.58	4.25	5.75	5.35	5.04	5.44	6.20	5.28	4.60	5.21	7.30
4	4.14	4.54	4.37	5.45	5.84	5.89	5.43	6.04	5.32	4.79	5.42	7.19
5	5.08	4.64	4.46	5.09	5.10	5.73	4.79	5.90	5.44	4.73	5.24	7.67
6	5.41	4.62	4.85	5.00	4.47	5.93	3.68	5.80	5.14	4.73	5.45	8.75
7	5.08	4.62	4.48	4.82	4.50	5.86	4.04	5.73	4.37	4.20	5.59	8.78
8	4.97	4.30	4.76	4.63	4.53	5.39	4.00	5.49	5.11	4.11	5.54	8.57
9	4.25	4.48	4.64	5.04	4.62	5.04	3.98	5.15	5.39	4.10	5.46	8.28
10	4.02	4.38	4.94	4.34	4.65	5.17	4.35	5.35	4.77	4.31	5.40	8.09
11	4.44	4.39	5.42	4.08	4.71	5.59	4.86	5.67	4.60	4.39	5.78	7.87
12	4.53	4.65	5.43	4.56	4.89	5.86	5.30	5.88	4.55	4.52	5.96	7.55
13	4.77	4.78	5.03	4.93	4.67	5.52	5.39	6.01	4.50	4.60	5.96	7.38
14	4.37	5.12	5.23	6.26	4.55	5.20	5.42	5.50	4.79	4.73	5.93	7.21
15	4.40	4.95	5.99	6.25	4.59	5.18	5.57	4.86	5.08	4.65	5.12	6.98
16	4.54	4.74	5.68	5.65	4.19	4.76	5.69	4.81	4.96	5.03	5.57	6.90
17	5.10	4.87	4.95	5.07	3.75	4.64	5.82	4.97	4.97	5.26	5.47	6.63
18	4.83	4.92	4.67	4.41	3.55	4.52	6.01	5.51	4.84	5.40	4.94	6.52
19	5.07	5.00	4.58	3.48	3.67	4.35	6.08	5.54	4.67	5.56	5.05	6.29
20	5.40	5.25	4.92	2.95	3.67	4.40	6.82	5.47	4.41	5.43	4.55	6.10
21	4.61	5.17	4.30	3.03	3.47	4.86	8.26	5.41	4.14	5.30	4.34	5.93
22	4.30	4.76	4.15	3.54	4.21	4.62	8.63	5.57	4.15	4.95	4.63	5.82
23	4.71	4.45	4.33	4.08	4.91	4.59	8.57	5.73	4.35	4.93	5.40	5.70
24	4.90	4.24	4.49	4.67	4.98	4.86	8.39	5.74	4.24	4.73	5.08	5.74
25	4.92	4.02	4.95	4.10	4.71	5.26	8.27	5.64	3.84	4.79	5.78	5.73
26	4.48	4.20	5.20	4.00	4.96	5.44	8.18	5.17	3.67	4.74	5.75	5.60
27	4.61	4.53	4.50	4.33	4.57	5.69	8.07	5.17	3.61	4.86	6.14	5.49
28	4.83	5.02	3.96	4.77	4.63	5.97	7.74	4.96	3.90	4.92	6.29	5.17
29	5.44	5.07	4.07	4.67	---	5.99	7.36	4.77	4.15	4.39	6.46	5.28
30	6.06	4.27	4.13	4.84	---	5.91	6.93	4.82	4.34	4.69	6.81	5.40
31	5.77	---	4.47	5.50	---	5.88	---	4.67	---	4.55	7.16	---
MEAN	4.78	4.67	4.71	4.68	4.56	5.21	6.15	5.49	4.63	4.73	5.50	6.83
MAX	6.06	5.25	5.99	6.26	5.84	5.99	8.63	6.45	5.44	5.56	7.16	8.78
MIN	4.02	4.02	3.96	2.95	3.47	4.10	3.68	4.67	3.61	4.10	4.34	5.17

MISSISSIPPI RIVER DELTA

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).

PERIOD OF RECORD.--October 1972 to September 1976. 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.

GAGE.--Water-stage recorder. Datum of gage is 5.73 ft (1.747 m) above mean sea level (levels by Corps of Engineers).

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.

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, 27,000 ft³/s (765 m³/s) Sept. 30, 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 1975 (revised): Maximum discharge, 719,000 ft³/s or 20,400 m³/s (observed) Apr. 17, gage height, 49.11 ft (14.969 m); minimum daily, 99,000 ft³/s (2,800 m³/s) Sept. 21.

Water year 1976: Maximum discharge, 423,000 ft³/s (12,000 m³/s) Mar. 17, gage height, 34.01 ft (10.360 m); minimum daily, 27,000 ft³/s (765 m³/s) Sept. 30.

REVISIONS.--Revised figures of discharge for the water year 1975, superseding those published in the report for 1975, are given herein.

RECORDS FOR THE 1977 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 1974 TO SEPTEMBER 1975
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	208000	122000	280000	285000	321000	407000	544000	498000	440000	313000	150000	111000
2	208000	125000	281000	287000	318000	412000	554000	485000	436000	317000	156000	105000
3	205000	130000	283000	289000	317000	417000	566000	476000	433000	311000	163000	102000
4	202000	134000	283000	295000	323000	423000	574000	478000	426000	305000	169000	102000
5	194000	158000	282000	302000	335000	430000	582000	483000	418000	299000	175000	104000
6	188000	167000	283000	310000	344000	435000	592000	487000	411000	298000	173000	107000
7	184000	175000	287000	320000	352000	441000	602000	495000	406000	295000	165000	115000
8	178000	176000	284000	324000	359000	439000	610000	510000	402000	292000	160000	122000
9	180000	179000	281000	327000	365000	438000	623000	520000	401000	285000	157000	127000
10	181000	186000	280000	324000	370000	434000	632000	523000	391000	278000	152000	127000
11	182000	198000	278000	342000	377000	432000	644000	522000	384000	273000	146000	127000
12	174000	202000	278000	352000	382000	429000	673000	530000	384000	269000	138000	122000
13	165000	225000	278000	361000	386000	434000	704000	537000	382000	265000	135000	122000
14	156000	228000	285000	367000	390000	443000	707000	543000	380000	262000	139000	119000
15	147000	258000	290000	363000	391000	450000	707000	548000	378000	257000	136000	112000
16	144000	275000	293000	359000	396000	456000	714000	548000	376000	255000	130000	103000
17	136000	283000	299000	355000	399000	464000	719000	546000	374000	252000	126000	107000
18	138000	283000	306000	357000	402000	472000	714000	541000	370000	247000	121000	107000
19	135000	288000	305000	359000	402000	481000	704000	542000	366000	241000	117000	103000
20	133000	297000	301000	362000	402000	487000	699000	544000	362000	228000	115000	100000
21	129000	286000	294000	364000	401000	493000	691000	547000	358000	215000	116000	99000
22	126000	293000	287000	366000	401000	495000	674000	548000	356000	200000	119000	102000
23	122000	281000	280000	368000	398000	498000	651000	545000	354000	186000	123000	103000
24	119000	279000	279000	370000	396000	502000	643000	542000	344000	175000	126000	103000
25	117000	277000	279000	366000	393000	508000	634000	532000	333000	174000	128000	114000
26	116000	274000	283000	362000	392000	511000	608000	521000	328000	167000	130000	114000
27	114000	275000	286000	357000	390000	516000	577000	509000	325000	161000	129000	113000
28	112000	276000	289000	351000	392000	520000	544000	494000	322000	159000	126000	113000
29	113000	279000	291000	347000	---	525000	514000	479000	315000	157000	123000	115000
30	117000	280000	288000	343000	---	531000	504000	461000	311000	152000	120000	119000
31	120000	---	287000	333000	---	537000	---	445000	---	149000	116000	---
TOTAL	4743000	6889000	8880000	10567000	10494000	14460000	18904000	15979000	11266000	7437000	4279000	3339000
MEAN	153000	229600	286500	340900	374800	466500	630100	515500	375500	239900	138000	111300
MAX	208000	297000	306000	370000	402000	537000	719000	548000	440000	317000	175000	127000
MIN	112000	122000	278000	285000	317000	407000	504000	445000	311000	149000	115000	99000
AC-FT	9408000	13660000	17610000	20960000	20810000	28680000	37500000	31690000	22350000	14750000	8487000	6623000
CAL YR 1974	TOTAL	114319000	MEAN	313200	MAX	563000	MIN	99000	AC-FT	226700000		
WTR YR 1975	TOTAL	117237000	MEAN	321200	MAX	719000	MIN	99000	AC-FT	232500000		

MISSISSIPPI RIVER DELTA

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	121000	181000	145000	178000	207000	306000	377000	200000	172000	165000	95000	55000
2	122000	179000	144000	178000	207000	333000	383000	200000	173000	170000	93000	54000
3	121000	173000	144000	184000	208000	335000	383000	198000	171000	173000	93000	53000
4	124000	168000	143000	193000	207000	334000	383000	194000	155000	176000	101000	57000
5	129000	157000	141000	205000	209000	331000	383000	198000	151000	179000	106000	57000
6	135000	144000	140000	220000	214000	334000	382000	220000	156000	185000	103000	56000
7	137000	130000	139000	235000	216000	338000	379000	228000	159000	188000	96000	47000
8	132000	137000	140000	248000	217000	343000	377000	222000	160000	176000	91000	50000
9	125000	137000	145000	256000	219000	354000	375000	221000	165000	172000	86000	52000
10	116000	133000	157000	262000	220000	370000	367000	221000	172000	187000	84000	61000
11	110000	126000	175000	268000	218000	355000	360000	218000	179000	196000	87000	55000
12	104000	112000	198000	272000	213000	346000	350000	210000	180000	201000	87000	53000
13	99000	106000	203000	276000	205000	373000	340000	208000	179000	201000	86000	51000
14	96000	112000	199000	279000	195000	395000	313000	207000	175000	192000	80000	43000
15	94000	111000	186000	279000	185000	409000	292000	211000	168000	185000	75000	39000
16	98000	109000	168000	278000	176000	422000	283000	211000	163000	178000	70000	36000
17	123000	108000	163000	275000	167000	423000	272000	210000	160000	173000	66000	34000
18	132000	108000	158000	271000	159000	418000	256000	203000	154000	170000	63000	31000
19	131000	110000	156000	264000	158000	412000	239000	192000	148000	167000	60000	34000
20	126000	112000	150000	255000	161000	405000	223000	189000	143000	159000	54000	35000
21	119000	114000	145000	238000	172000	397000	212000	199000	136000	151000	58000	33000
22	114000	114000	142000	222000	189000	390000	202000	196000	124000	146000	59000	33000
23	111000	118000	146000	208000	209000	384000	195000	191000	120000	143000	58000	37000
24	112000	126000	149000	202000	231000	375000	190000	186000	119000	139000	61000	31000
25	125000	133000	158000	202000	248000	370000	191000	181000	120000	135000	62000	33000
26	141000	140000	171000	211000	263000	363000	200000	182000	122000	132000	68000	34000
27	161000	145000	176000	216000	277000	358000	214000	183000	126000	127000	69000	36000
28	178000	147000	179000	216000	286000	356000	223000	183000	132000	120000	65000	30000
29	187000	147000	182000	215000	293000	354000	215000	182000	141000	112000	60000	32000
30	187000	146000	183000	212000	---	358000	207000	180000	157000	105000	60000	27000
31	182000	---	181000	208000	---	371000	---	176000	---	99000	54000	---
TOTAL	3992000	3983000	5006000	7226000	6129000	11412000	8766000	6200000	4580000	5002000	2350000	1279000
MEAN	128800	132800	161500	233100	211300	368100	292200	200000	152700	161400	75810	42630
MAX	187000	181000	203000	279000	293000	423000	383000	228000	180000	201000	106000	61000
MIN	94000	106000	139000	178000	158000	306000	190000	176000	119000	99000	54000	27000
AC-FT	7918000	7900000	9929000	14330000	12160000	22640000	17390000	12300000	9084000	9921000	4661000	2537000
CAL YR 1975	TOTAL	109706000	MEAN	300600	MAX	719000	MIN	94000	AC-FT	217600000		
WTR YR 1976	TOTAL	65925000	MEAN	180100	MAX	423000	MIN	27000	AC-FT	130800000		

MISSISSIPPI RIVER DELTA

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.23	15.74	11.83	15.53	17.19	24.76	31.36	17.63	15.00	14.70	7.97	4.02
2	10.55	15.55	11.72	15.37	17.21	27.46	31.54	17.88	14.97	15.04	7.78	3.69
3	10.55	14.93	11.64	15.69	17.21	28.04	31.61	17.97	14.97	15.31	7.57	3.67
4	10.73	14.33	11.68	16.40	17.33	28.29	31.59	17.88	13.28	15.40	8.36	3.72
5	11.06	13.83	11.63	17.42	17.57	28.41	31.70	17.78	12.40	15.57	8.46	3.92
6	11.61	13.14	11.59	18.75	18.07	28.46	31.70	19.20	13.44	15.99	8.00	4.03
7	11.79	11.46	11.60	19.85	18.56	28.64	31.59	19.76	14.00	16.58	7.59	4.12
8	11.67	12.36	11.67	20.63	18.83	28.81	31.48	19.30	14.29	15.74	7.20	4.03
9	11.33	12.14	12.22	21.29	19.17	29.17	31.38	19.48	14.55	15.78	6.84	4.22
10	10.74	11.74	13.07	21.82	19.48	31.15	31.24	19.56	14.84	17.36	6.77	4.11
11	9.93	11.12	14.00	22.22	19.48	31.46	31.05	20.06	15.17	17.98	6.64	3.34
12	9.02	9.24	16.36	22.53	19.16	30.24	30.62	19.31	15.34	18.32	6.45	3.32
13	8.34	8.17	17.21	22.77	18.55	30.86	30.32	19.46	15.30	18.33	6.10	3.22
14	7.79	8.60	17.22	23.02	17.72	32.82	29.77	19.61	15.07	17.93	5.69	3.54
15	7.53	8.71	17.00	23.02	16.85	33.28	26.45	19.72	14.49	17.31	5.31	3.29
16	6.86	8.66	14.96	22.98	15.89	33.71	25.75	19.45	13.80	16.73	4.94	2.94
17	9.20	8.73	14.31	22.65	14.96	33.97	24.95	18.94	13.51	16.29	4.71	2.96
18	10.64	8.87	13.67	22.23	14.34	33.81	23.95	18.49	12.89	16.05	4.63	2.09
19	10.80	8.78	13.20	21.53	14.04	33.52	22.58	16.71	12.30	15.95	4.51	2.15
20	10.42	8.99	12.98	20.69	14.14	33.11	21.18	15.96	11.99	15.49	4.43	2.13
21	9.90	9.03	12.79	19.74	14.84	32.71	20.09	16.71	11.70	14.79	4.31	2.13
22	9.27	8.97	12.80	18.64	15.98	32.41	18.87	16.64	10.42	14.11	4.19	1.85
23	8.76	9.32	12.80	17.76	17.34	32.07	17.97	16.34	10.15	13.50	4.14	2.17
24	8.65	9.96	13.20	17.02	18.83	31.77	17.10	16.03	10.25	12.89	4.06	1.87
25	9.88	10.72	13.64	16.65	20.39	31.69	16.89	15.58	10.50	12.30	3.98	1.78
26	11.14	11.39	14.93	17.45	21.75	31.50	17.18	15.60	10.81	11.75	4.32	2.42
27	12.97	12.01	15.46	17.89	22.91	31.04	18.32	15.68	11.00	11.21	4.51	2.63
28	14.65	12.14	15.66	17.97	23.68	30.75	19.14	15.87	11.47	10.55	4.43	2.01
29	15.65	12.10	15.80	17.93	24.28	30.48	18.41	15.79	12.05	9.70	4.33	2.05
30	16.14	12.02	15.84	17.67	---	30.43	18.00	15.64	13.85	9.01	4.12	1.39
31	16.07	---	15.68	17.31	---	31.17	---	15.35	---	8.31	4.29	---
MEAN	10.77	11.09	13.81	19.43	18.13	30.84	25.46	17.72	13.13	14.71	5.70	2.96
MAX	16.14	15.74	17.22	23.02	24.28	33.97	31.70	20.06	15.34	18.33	8.46	4.22
MIN	6.86	8.17	11.59	15.37	14.04	24.76	16.89	15.35	10.15	8.31	3.98	1.39

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

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.

CHLORIDE: October 1974 to current year.

SUSPENDED SEDIMENT DISCHARGE: October 1972 to September 1975.

REMARKS.--This station will be replaced in the National stream-quality accounting network by station 310235091432700 Red River near Big Bend, La.

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 Corps of Engineers and reviewed by the Geological Survey.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 518 micromhos Nov. 16, 1974; minimum daily 226 micromhos Feb. 25, 1975.

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, 29,000 tons (26,300 tonnes) Oct. 1, 1974.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	HARD- NESS (CA,MG) (MG/L)	
OCT 28...	1330	488	7.9	15.5	10	30	9.7	2.0	B270	140	--	150	
NOV 24...	1100	428	7.7	12.0	10	20	10.4	2.1	B100	2200	--	140	
DEC 01...	1315	495	7.6	8.5	40	25	11.2	2.5	--	220	--	160	
JAN 21...	1400	356	7.8	3.5	20	120	11.6	4.8	450	--	B1100	96	
FEB 14...	1230	341	7.3	11.5	80	65	11.0	3.8	B140	--	B24	100	
MAR 07...	1030	278	6.9	11.0	40	90	9.3	--	620	--	960	92	
APR 13...	1100	255	7.9	17.0	60	85	8.5	--	B200	--	76	98	
MAY 09...	1445	260	7.5	--	40	60	7.3	2.6	B70	--	B100	93	
JUN 21...	1200	780	7.7	29.0	4	40	7.3	.4	B25	--	B25	210	
JUL 25...	1445	450	7.2	31.5	10	30	7.4	3.1	<5	--	B100	150	
AUG 08...	1045	518	8.2	30.0	5	15	7.8	2.1	B100	--	B18	170	
SEP 07...	0950	444	8.1	28.0	10	40	--	2.2	--	--	200	140	
DATE		NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
OCT 28...	48	40	12	34	33	1.2	3.3	124	0	102	2.5	67	
NOV 24...	30	36	11	28	31	1.0	2.9	128	0	105	4.1	53	
DEC 01...	46	41	13	34	32	1.2	3.0	134	0	110	5.4	61	
JAN 21...	31	25	8.2	29	39	1.3	3.2	80	0	66	2.0	39	
FEB 14...	23	28	7.7	26	35	1.1	2.8	96	0	79	7.7	29	
MAR 07...	22	25	7.2	19	30	.9	2.8	86	0	71	17	36	
APR 13...	31	28	6.8	11	19	.5	3.0	82	0	67	1.7	31	
MAY 09...	24	26	6.7	15	25	.7	2.7	83	0	68	4.2	30	
JUN 21...	86	55	17	75	43	2.3	4.2	148	0	120	4.7	91	
JUL 25...	56	42	12	29	28	1.0	3.6	120	0	98	12	55	
AUG 08...	51	52	9.3	35	30	1.2	4.4	145	0	119	1.5	59	
SEP 07...	34	40	10	28	29	1.0	4.0	130	0	110	1.7	60	

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL PHYTOPLANKTON (CELLS PER ML)
OCT 28...	45	.2	4.6	267	267	.36	.93	.61	1.5	6.8	.08	2900
NOV 24...	34	.2	6.1	238	234	.32	.67	.51	1.2	5.2	.08	3700
DEC 01...	42	.2	5.9	279	266	.38	.49	.46	.95	4.2	.07	540
JAN 21...	42	.1	6.4	199	193	.27	.38	1.0	1.4	6.1	.23	2100
FEB 14...	37	.1	6.9	192	185	.26	.34	.70	1.0	4.6	.15	7900
MAR 07...	21	.1	5.6	158	159	.21	.61	1.4	2.0	8.9	.38	--
APR 13...	14	.1	6.1	167	140	.23	.93	1.4	2.3	10	.32	--
MAY 09...	18	.1	5.8	148	145	.20	.59	.81	1.4	6.2	.17	--
JUN 21...	110	.2	6.5	426	432	.58	.82	.53	1.4	6.0	.14	--
JUL 25...	34	.2	3.7	282	239	.38	.70	.77	1.5	6.5	.15	--
AUG 08...	39	.1	3.2	279	275	.38	.58	.62	1.2	5.3	.12	--
SEP 07...	33	.3	.6	246	240	.33	1.0	.12	1.1	5.0	.21	--

DATE	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
OCT 28...	2	1	2	0	30	0	2	0	6	6	1600	10
JAN 21...	5	2	0	0	20	1	2	0	10	7	6500	60
MAY 09...	1	1	0	0	20	20	3	0	7	5	5400	90
JUL 25...	1	1	0	0	20	1	0	0	10	10	2500	10

DATE	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT 28...	40	0	130	20	.0	.0	1	1	20	10	3.9
JAN 21...	6	1	250	80	.1	.1	0	0	30	10	16
MAY 09...	9	3	180	30	.0	.0	0	0	50	10	13
JUL 25...	6	2	140	10	.0	.0	0	0	30	20	7.0

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	71	40	51	---	30	25	17	---	46	70	37	32
2	75	44	51	---	27	26	19	19	95	64	37	36
3	---	33	54	61	31	28	---	19	79	---	37	37
4	88	29	40	75	32	42	17	19	86	---	46	---
5	83	30	44	52	---	30	19	17	---	54	33	---
6	76	31	48	70	32	---	16	18	100	44	39	38
7	76	---	47	34	32	28	17	16	140	48	---	35
8	66	36	42	---	29	22	15	---	140	43	41	34
9	56	28	52	---	34	24	22	20	150	35	41	34
10	---	30	40	31	29	24	---	22	---	---	48	39
11	---	31	---	---	34	25	44	20	---	44	48	---
12	63	40	---	29	34	22	12	22	---	44	48	35
13	64	32	42	32	---	16	15	21	150	42	50	35
14	71	28	42	52	34	22	13	27	150	42	---	41
15	70	---	45	---	62	19	12	---	140	42	56	38
16	---	36	---	---	42	19	14	30	130	45	57	44
17	---	30	49	38	43	20	---	23	130	---	53	48
18	68	35	41	---	29	16	21	---	130	37	44	---
19	60	30	---	62	33	14	15	24	---	36	37	30
20	56	31	43	59	---	---	16	24	91	32	36	36
21	38	---	39	44	---	16	18	21	79	30	---	39
22	30	40	36	70	30	14	14	---	73	34	34	33
23	40	35	58	93	36	16	---	20	66	32	34	34
24	---	36	---	---	33	16	---	24	68	---	34	40
25	46	---	---	45	29	22	19	22	79	35	32	31
26	48	---	---	39	26	16	18	24	---	47	32	---
27	---	---	60	46	---	---	18	26	67	36	29	---
28	62	---	34	37	23	15	14	49	87	37	34	25
29	37	39	59	30	---	15	18	---	77	33	33	24
30	35	42	61	26	---	17	20	---	68	34	---	26
31	---	---	---	---	---	16	---	58	---	---	33	---

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

OCT. 28, 1976 1330 HOURS

PHYTOPLANKTON 2,900 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
..CHLOROPHYCEAE		
...CHLOROCOCCALES		
...OCCYSTACEAE		
....ANKISTRODESMUS	75	3
....CHODATELLA	75	3
....OOCYSTIS	75	3
....TETRAEDRON	38	1
...SCENEDESMACEAE		
....ACTINASTRUM	150	5
...SCENEDESMUS	380	13
....TETRASTRUM	75	3
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	75	3
..VOLVOCAEAE		
....GONIUM	75	3
CHRYSTOPHYTA		
..BACILLARIOPHYCEAE		
...CENTRALES		
...COSCINODISCAEAE		
....COSCINODISCUS	19	1
...CYCLOTELLA	210	7
...MELOSIRA	490	17
..PENNALES		
...NITZSCHIAEAE		
....NITZSCHIA	210	7
CYANOPHYTA		
..MYXOPHYCEAE		
...OSCILLATORIALES		
...NOSTOCACEAE		
....ANABAENA	280	10
...OSCILLATORIAEAE		
....LYNGBYA	560	19
....OSCILLATORIA	94	3
EUGLENOPHYTA		
..EUGLENOPHYCEAE		
...EUGLENALES		
...EUGLENACEAE		
....TRACHELOMONAS	19	1

NOV. 24, 1976 1100 HOURS

PHYTOPLANKTON 3,700 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
..CHLOROPHYCEAE		
...CHLOROCOCCALES		
...CHARACIACEAE		
...SCHROEDERIA		0
...MICRACTINIACEAE		
....GOLENKINIA		0
....MICRACTINIUM	130	3
...OOCYSTACEAE		
....ANKISTRODESMUS	42	1
....CHODATELLA	21	1
....DICTYOSPHAERIUM	84	2
....OOCYSTIS	420	11
....SELENASTRUM	42	1
....TETRAEDRON	32	1
...SCENEDESMACEAE		
....ACTINASTRUM	170	4
....CRUCIGENIA	42	1
...SCENEDESMUS	270	7
....TETRASTRUM	170	4
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	53	1

NOV. 24, 1976 1100 HOURS -- Continued

PHYTOPLANKTON 3,700 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHRYSTOPHYTA		
..BACILLARIOPHYCEAE		
...CENTRALES		
...COSCINODISCAEAE		
....CYCLOTELLA	580	15
...MELOSIRA	630	17
..PENNALES		
...FRAGILARIACEAE		
....ASTERIONELLA	42	1
CYANOPHYTA		
..MYXOPHYCEAE		
...CHROOCOCCALES		
...CHROOCOCCACEAE		
....AGMENELLUM	290	8
....ANACYSTIS	430	12
...OSCILLATORIALES		
...OSCILLATORIAEAE		
....OSCILLATORIA	220	6
EUGLENOPHYTA		
..EUGLENOPHYCEAE		
...EUGLENALES		
...EUGLENACEAE		
....PHACUS		0
....TRACHELOMONAS	42	1

DEC. 1, 1976 1315 HOURS

PHYTOPLANKTON 540 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
..CHLOROPHYCEAE		
...CHLOROCOCCALES		
...SCENEDESMACEAE		
....SCENEDESMUS	23	4
...ZYGNEMATALES		
...DESMIDIACEAE		
....COSMARIUM	6	1
CHRYSTOPHYTA		
..BACILLARIOPHYCEAE		
...CENTRALES		
...COSCINODISCAEAE		
....CYCLOTELLA	52	10
...MELOSIRA	140	27
..PENNALES		
...FRAGILARIACEAE		
....ASTERIONELLA	6	1
...NITZSCHIAEAE		
....NITZSCHIA	23	4
CYANOPHYTA		
..MYXOPHYCEAE		
...CHROOCOCCALES		
...CHROOCOCCACEAE		
....ANACYSTIS	290	53

07381490 ATCHAFALAYA RIVER AT SIMMESPORT, LA--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

JAN. 21, 1977 1400 HOURS

PHYTOPLANKTON 2,100 CELLS/ML

__ORGANISM__NAME__	CELLS/ML	PER_CENT
CHLOROPHYTA		
..CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
....ANKISTRODESMUS	27	1
....OOCYSTIS	94	4
...SCENEDESMACEAE		
....SCENEDESMUS	110	5
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS		
...VOLVOCAEAE		
....EUDORINA	54	3
CHRYSTOPHYTA		
..BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTELLA	320	15
....MELOSIRA	380	18
..PENNALES		
...DIATOMACEAE		
....DIATOMA	13	1
...NAVICULACEAE		
....NAVICULA	13	1
...NITZSCHACEAE		
....NITZSCHIA	40	2
CYANOPHYTA		
..MYXOPHYCEAE		
...OSCILLATORIALES		
....OSCILLATORIAEAE		
....LYNGBYA	67	3
....OSCILLATORIA	940	45

FEB. 14, 1977 1230 HOURS

PHYTOPLANKTON 7,900 CELLS/ML

__ORGANISM__NAME__	CELLS/ML	PER_CENT
CHLOROPHYTA		
..CHLOROPHYCEAE		
..CHLOROCOCCALES		
...MICRACTINIACEAE		
....MICRACTINIUM	110	1
...OOCYSTACEAE		
....ANKISTRODESMUS	270	3
....SELENASTRUM	330	4
...SCENEDESMACEAE		
....CRUCIGENIA	1,100	14
....SCENEDESMUS	330	4
CHRYSTOPHYTA		
..CABILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....CYCLOTELLA	2,100	26
....MELOSIRA	440	5
..PENNALES		
...FRAGILARIACEAE		
....ASTERIONELLA	110	1
....SYNEDRA	110	1
...NITZSCHACEAE		
....NITZSCHIA	220	3
CYANOPHYTA		
..MYXOPHYCEAE		
...OSCILLATORIALES		
....NOSTOCACEAE		
....ANABAENA	540	7
...OSCILLATORIAEAE		
....LYNGBYA	1,100	14
....OSCILLATORIA	1,300	16

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA

LOCATION.--Lat 30°31'59", long 91°51'23", in sec.16, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080101, 6.0 mi (9.7 km) east of Krotz Springs, and 0.8 mi (1.3 km) southeast of Courtableau.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1977 to September 1977.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	COD IN BOTTOM MATERIAL (MG/KG)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL.-MF (COL./ 100 ML)	HARDNESS (CA+MG) (MG/L)
APR 15...	0935	254	7.1	160	75	5.3	42	11000	2.0	--	--	110
JUN 14...	0950	502	7.9	30	15	4.2	28	--	--	--	--	200
JUL 11...	0900	537	7.9	20	20	4.6	20	--	2.2	--	--	220
AUG 19...	0900	456	7.9	10	15	4.8	15	--	--	4500	8500	170
SEP 19...	0830	159	7.5	90	35	3.8	43	--	2.5	310	<5	69

DATE	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
APR 15...	13	26	12	12	18	.5	3.8	121	0	99	15	11
JUN 14...	0	51	18	--	--	--	--	248	0	203	5.0	12
JUL 11...	1	55	19	--	--	--	--	261	0	210	5.3	14
AUG 19...	0	43	16	25	23	.8	3.7	220	0	180	4.4	16
SEP 19...	0	18	5.8	--	--	--	--	86	0	71	4.4	5.6

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)
APR 15...	24	36	6	40	36500	<1.0	.32	.07	.39	.16	.16	7.3
JUN 14...	35	26	--	--	--	<1.0	.07	.01	.08	--	--	--
JUL 11...	37	39	--	--	--	<1.0	.03	.01	.04	--	--	--
AUG 19...	32	69	15	65	--	<1.0	.06	.02	.08	.41	.12	--
SEP 19...	6.6	31	--	--	--	<1.0	.20	.02	.22	--	--	--

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	SUS-PENDED KJEL. NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)	TOTAL KJEL. NITRO-GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (NO3) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED PHOS-PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
APR 15...	.21	1.1	.94	1.3	.20	1.1	1600	1.7	7.5	.41	.13	8
JUN 14...	--	--	--	--	--	.85	--	--	--	.22	--	6
JUL 11...	--	--	--	--	--	.90	--	--	--	.16	--	5
AUG 19...	.15	.99	.74	1.4	.54	.86	--	1.5	6.6	.24	.16	9
SEP 19...	--	--	--	--	--	1.4	--	--	--	.37	--	3

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)
APR 15...	3	29	0	0	0	0	0	<10	<10	1	10	0
JUN 14...	4	--	0	0	--	0	0	--	<10	--	--	0
JUL 11...	3	--	0	0	--	0	0	--	30	--	--	0
AUG 19...	9	--	0	0	--	0	0	--	10	0	--	0
SEP 19...	3	--	10	0	--	<10	0	--	10	--	--	0

DATE	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)
APR 15...	7	5	<10	110	4	0	<10	200	100	1300	.0	.0
JUN 14...	5	5	--	20	9	0	--	--	--	--	.0	.0
JUL 11...	3	3	--	10	8	0	--	--	--	--	.0	.0
AUG 19...	7	1	--	330	5	0	--	350	50	--	.1	.0
SEP 19...	<10	4	--	260	<100	1	--	--	--	--	.0	.0

DATE	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED VANADIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)
APR 15...	.0	9	2	<10	0	0	0	2.0	10	10	40	11
JUN 14...	--	3	3	--	0	0	--	2.0	10	10	--	4.1
JUL 11...	--	6	0	--	0	0	--	2.0	0	0	--	6.8
AUG 19...	--	2	2	--	5	5	--	--	30	10	--	5.6
SEP 19...	--	<50	0	--	0	0	--	.0	20	10	--	11

303159091512300 BAYOU COURTABLEAU EAST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)
APR 15...	.00	0	0	1	100	.0	.00	.00	.0	.00	.00
JUN 14...	.00	--	0	1	--	.0	.00	.000	.0	.007	.007
JUL 11...	.00	--	--	--	--	.0	.00	.000	.0	.000	.000
AUG 19...	.00	--	1	0	--	.0	.00	.000	.0	.002	.004
SEP 19...	.00	--	2	0	--	.0	.00	.000	.0	.008	.007

DATE	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)
APR 15...	.00	.01	.00	--	.00	.00	.00	.00	.00	.00	--
JUN 14...	.000	.00	.002	.000	.00	.00	.000	.000	.000	.00	.00
JUL 11...	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00
AUG 19...	.000	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00
SEP 19...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00

DATE	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
APR 15...	.00	.00	.00	.00	0	.00	.33	.03	.01	1.13	.000
JUN 14...	.00	.00	.00	.00	0.0	.00	.00	.04	.00	--	--
JUL 11...	.00	.00	.00	.00	0.0	.00	.23	.00	.03	--	--
AUG 19...	.08	.00	.00	.00	0.0	.00	.66	.11	.00	--	--
SEP 19...	.05	.00	.00	.00	0.0	.00	--	--	--	--	--

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA

LOCATION.--Lat 30°31'59", long 91°51'27", in sec.16, T.6 S., R.6 E., St. Landry Parish, Hydrologic Unit 08080102, 6.0 mi (9.7 km) east of Krotz Springs, and 0.8 mi (1.3 km) southeast of Courtableau.

DRAINAGE AREA.--Indeterminate.

PERIOD OF RECORD.--April 1977 to September 1977.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLAT-INUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	COD IN BOTTOM MATERIAL (MG/KG)	BIO-CHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL. PER 100 ML)	HARDNESS (CA+MG) (MG/L)
APR 15...	0930	265	7.3	320	75	4.4	42	12000	1.4	--	--	110
JUN 14...	0930	516	7.8	30	15	4.6	29	--	--	--	--	200
JUL 11...	0930	502	7.9	20	25	4.1	25	--	3.9	--	--	200
AUG 19...	0826	422	7.7	15	7	5.2	19	--	--	3900	8150	160
SEP 19...	0840	171	7.6	90	30	3.8	42	--	2.5	290	<5	67

DATE	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED PHOSPHATE (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
APR 15...	5	28	10	12	18	.5	4.0	129	0	110	10	10
JUN 14...	0	51	18	--	--	--	--	252	0	207	6.4	12
JUL 11...	0	50	18	--	--	--	--	243	0	200	4.9	15
AUG 19...	0	40	15	24	24	.8	4.1	200	0	160	6.4	15
SEP 19...	0	17	6.0	--	--	--	--	85	0	70	3.4	5.2

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)
APR 15...	15	40	6	42	39700	<1.0	.32	.06	.38	.17	.17	12
JUN 14...	35	33	--	--	--	<1.0	.01	.00	.01	--	--	--
JUL 11...	32	53	--	--	--	<1.0	.03	.02	.05	--	--	--
AUG 19...	28	--	--	--	--	<1.0	.13	.03	.16	.31	.18	--
SEP 19...	7.7	24	--	--	--	<1.0	.17	.02	.19	--	--	--

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO-GEN (N) (MG/L)	DIS-SOLVED ORGANIC NITRO-GEN (N) (MG/L)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L)	SUS-PENDED KJEL. NITRO-GEN (N) (MG/L)	DIS-SOLVED KJEL. NITRO-GEN (N) (MG/L)	TOTAL KJEL. NITRO-GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO-GEN (N) (MG/L)	TOTAL NITRO-GEN (NO3) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	DIS-SOLVED PHOS-PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)
APR 15...	.22	1.2	1.2	1.4	.00	1.4	2000	1.8	8.0	.42	.13	8
JUN 14...	--	--	--	--	--	.71	--	--	--	.22	--	4
JUL 11...	--	--	--	--	--	.95	--	--	--	.21	--	4
AUG 19...	.23	.89	1.1	--	.00	1.3	--	1.4	6.0	.22	.16	7
SEP 19...	--	--	--	--	--	.87	--	--	--	.36	--	5

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)
APR 15...	3	20	0	0	0	0	0	<10	<10	2	20	0
JUN 14...	4	--	0	0	--	0	0	--	<10	--	--	0
JUL 11...	3	--	0	0	--	0	0	--	20	--	--	0
AUG 19...	7	--	0	0	--	17	1	--	0	0	--	0
SEP 19...	3	--	0	0	--	<10	0	--	10	--	--	0

DATE	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)
APR 15...	7	5	<10	100	3	0	<10	220	70	620	.0	.0
JUN 14...	7	7	--	20	13	0	--	--	--	--	.2	.0
JUL 11...	7	7	--	10	5	--	--	--	--	--	.1	.0
AUG 19...	17	3	--	180	5	0	--	150	20	--	.1	.0
SEP 19...	<10	8	--	310	<100	0	--	--	--	--	.0	.0

DATE	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED VANADIUM (V) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)
APR 15...	.0	10	3	<10	0	0	0	2.0	20	10	40	13
JUN 14...	--	9	0	--	0	0	--	2.0	0	0	--	6.9
JUL 11...	--	11	0	--	0	0	--	2.0	10	0	--	7.4
AUG 19...	--	3	3	--	1	1	--	--	80	40	--	7.1
SEP 19...	--	<50	2	--	0	0	--	.0	20	10	--	11

303159091512700 BAYOU COURTABLEAU WEST OF DRAINAGE STRUCTURE AT COURTABLEAU, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)
APR 15...	.00	0	2	1	.0	.0	.00	.00	.0	.02	.00
JUN 14...	.00	--	0	1	--	.0	.00	.000	.0	.008	.011
JUL 11...	.00	--	0	3	--	.0	.00	.000	.0	.012	.000
AUG 19...	.00	--	1	0	--	.0	.00	.000	.0	.001	.004
SEP 19...	.00	--	2	0	--	.0	.00	.000	.0	.000	.010

DATE	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)
APR 15...	.02	.00	.00	--	.00	.00	.00	.00	.00	.00	--
JUN 14...	.000	.00	.000	.000	.000	.00	.000	.000	.000	.00	.00
JUL 11...	.007	.06	.007	.000	.000	.00	.000	.000	.000	.00	.00
AUG 19...	.005	.02	.000	.000	.000	.00	.000	.000	.000	.00	.00
SEP 19...	.000	.01	.000	.000	.000	.00	.000	.000	.000	.00	.00

DATE	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
APR 15...	.00	.00	.00	.00	0	.00	.27	.04	.01	.000	.000
JUN 14...	.00	.00	.00	.00	0.0	.00	.00	.04	.00	--	--
JUL 11...	.00	.00	.00	.00	0.0	.00	.54	.00	.05	--	--
AUG 19...	.09	.00	.00	.00	0.0	.00	1.2	.14	.00	.494	.233
SEP 19...	.06	.00	.00	.00	0.0	.00	.09	.01	.00	--	--

07385700 BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA

LOCATION.--Lat 30°04'15", long 91°49'45", on line between lots 8 and 17, T.11 S., R.6 E., St. Martin Parish, 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.

PERIOD OF RECORD.--August 1959 to current year. Daily gage heights since July 1913 in reports of Corps of Engineers.

GAGE.--Water-stage recorder and concrete dam. Datum of gage is mean low Gulf level or 0.78 ft (0.238 m) below mean sea level (Corps of Engineers bench mark).

REMARKS.--Records good. 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 area through Bayou des Glaisses floodgates and to or from West Atchafalaya Floodway through Big Darbonne Bayou culvert and since April 1956 through Bayou Courtableau Drainage Structure. Since April 1952, floodflow is diverted from Bayou Rapides (drainage area, 76.1 mi² or 197 km²) into Bayou Boeuf when stages of Red River make it necessary to close gates at mouth of Bayou Rapides. Dependent upon its gradient, Bayou Fusilier interchanges flow between Bayou Teche and Vermilion River. Water for irrigation is diverted through Ruth Canal (see sta 07386700) into Vermilion River. Crest of dam raised from 8.0 ft (2.44 m) to 9.47 ft (2.866 m) in June 1957.

AVERAGE DISCHARGE.--18 years, 499 ft³/s (14.13 m³/s), 361,500 acre-ft/yr (446 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 FOR CURRENT YEAR.--Maximum discharge, 3,140 ft³/s (88.92 m³/s) Apr. 21, gage height, 12.43 ft (3.789 m); minimum, 60 ft³/s (1.70 m³/s) June 7, gage height, 9.70 ft (2.957 m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	244	334	612	593	820	758	894	1290	389	203	354	730
2	262	373	534	660	784	696	807	1220	366	212	352	680
3	267	393	521	758	850	689	761	1200	340	201	368	634
4	269	397	512	720	1040	1030	742	1140	316	190	385	603
5	260	386	492	731	1070	996	760	1070	290	183	394	729
6	240	354	536	862	1010	993	781	998	272	174	380	738
7	224	324	822	846	917	919	749	946	123	174	359	658
8	208	296	792	716	839	800	724	901	85	186	347	618
9	205	303	696	687	763	791	727	873	127	188	337	603
10	197	304	616	658	716	787	753	831	132	205	317	806
11	193	295	648	728	710	746	763	797	117	200	311	962
12	192	288	668	781	769	784	713	753	124	202	338	933
13	199	279	806	816	737	759	546	713	135	233	424	867
14	196	378	886	1580	731	726	523	700	160	248	521	1020
15	187	378	927	1310	734	721	522	701	290	238	520	901
16	195	418	789	1230	700	743	499	692	460	242	535	808
17	194	451	716	1120	696	719	484	680	581	238	456	764
18	183	456	662	1020	728	716	487	697	609	229	491	740
19	179	586	628	920	743	700	504	704	591	215	485	712
20	174	647	718	848	742	701	712	692	563	264	649	683
21	168	557	639	792	719	698	2550	668	523	246	731	670
22	171	535	636	742	692	672	2570	643	485	196	907	659
23	171	533	616	683	671	677	2210	621	451	184	1140	640
24	179	526	605	638	692	688	2090	587	411	179	1190	620
25	190	500	907	656	645	687	1980	576	365	179	1180	596
26	180	475	1070	708	653	670	1840	525	315	216	1150	567
27	175	450	964	730	734	612	1750	490	275	281	995	538
28	175	901	850	718	772	681	1630	458	250	274	933	509
29	261	813	763	691	---	679	1500	428	228	314	851	483
30	435	693	710	723	---	711	1390	430	212	368	783	473
31	312	---	661	896	---	835	---	415	---	383	760	---
TOTAL	6685	13623	22002	25561	21677	23384	32961	23439	9585	7045	18943	20944
MEAN	216	454	710	825	774	754	1099	756	320	227	611	698
MAX	435	901	1070	1580	1070	1030	2570	1290	609	383	1190	1020
MIN	168	279	492	593	645	612	484	415	85	174	311	473
AC-FT	13260	27020	43640	50700	43000	46380	65380	46490	19010	13970	37570	41540
CAL YR 1976 TOTAL	167381			MEAN 457	MAX 1830	MIN 155	AC-FT 332000					
WTR YR 1977 TOTAL	225849			MEAN 619	MAX 2570	MIN 85	AC-FT 448000					

07385700 BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10.07	10.20	10.54	10.52	10.76	10.69	10.83	11.19	10.27	10.00	10.23	10.66
2	10.10	10.25	10.45	10.59	10.72	10.63	10.75	11.13	10.24	10.02	10.23	10.61
3	10.11	10.28	10.44	10.69	10.79	10.62	10.70	11.11	10.21	10.00	10.25	10.56
4	10.11	10.28	10.43	10.65	10.97	10.96	10.67	11.07	10.18	9.98	10.27	10.53
5	10.10	10.27	10.40	10.67	10.99	10.93	10.70	11.00	10.14	9.96	10.28	10.66
6	10.07	10.23	10.45	10.79	10.94	10.93	10.72	10.93	10.11	9.95	10.26	10.67
7	10.04	10.19	10.76	10.78	10.86	10.86	10.69	10.88	9.84	9.95	10.24	10.59
8	10.01	10.15	10.73	10.65	10.78	10.74	10.66	10.84	9.76	9.97	10.22	10.54
9	10.01	10.16	10.62	10.62	10.70	10.73	10.66	10.81	9.85	9.98	10.21	10.53
10	9.99	10.16	10.54	10.59	10.65	10.73	10.69	10.77	9.86	10.01	10.18	10.74
11	9.98	10.15	10.58	10.66	10.64	10.68	10.70	10.74	9.83	10.00	10.17	10.90
12	9.98	10.14	10.60	10.72	10.71	10.72	10.65	10.69	9.85	10.00	10.21	10.87
13	10.00	10.13	10.74	10.75	10.67	10.70	10.46	10.65	9.87	10.05	10.31	10.81
14	9.99	10.26	10.82	11.42	10.67	10.66	10.44	10.63	9.91	10.08	10.43	10.96
15	9.97	10.26	10.86	11.20	10.67	10.66	10.44	10.63	10.14	10.06	10.43	10.84
16	9.99	10.31	10.73	11.14	10.63	10.68	10.41	10.62	10.36	10.07	10.45	10.75
17	9.99	10.35	10.65	11.04	10.63	10.65	10.39	10.61	10.50	10.06	10.36	10.70
18	9.97	10.36	10.59	10.95	10.66	10.65	10.40	10.63	10.53	10.05	10.40	10.68
19	9.96	10.50	10.56	10.86	10.68	10.63	10.42	10.64	10.52	10.03	10.39	10.65
20	9.95	10.58	10.65	10.79	10.68	10.63	10.64	10.62	10.48	10.10	10.57	10.61
21	9.94	10.48	10.57	10.72	10.65	10.63	12.06	10.60	10.44	10.08	10.67	10.60
22	9.94	10.45	10.56	10.68	10.62	10.60	12.08	10.57	10.39	9.99	10.84	10.59
23	9.94	10.45	10.54	10.61	10.60	10.61	11.85	10.55	10.35	9.97	11.06	10.57
24	9.96	10.44	10.53	10.57	10.62	10.62	11.78	10.51	10.30	9.96	11.10	10.55
25	9.98	10.41	10.83	10.58	10.57	10.62	11.70	10.50	10.24	9.96	11.09	10.52
26	9.96	10.38	11.00	10.64	10.58	10.60	11.61	10.44	10.18	10.02	11.07	10.49
27	9.95	10.35	10.90	10.66	10.67	10.54	11.54	10.40	10.12	10.13	10.93	10.46
28	9.95	10.83	10.79	10.65	10.71	10.61	11.46	10.36	10.08	10.12	10.87	10.42
29	10.08	10.75	10.70	10.62	---	10.61	11.36	10.32	10.05	10.18	10.79	10.39
30	10.33	10.63	10.64	10.66	---	10.64	11.27	10.33	10.02	10.25	10.72	10.38
31	10.17	---	10.59	10.83	---	10.77	---	10.31	---	10.27	10.70	---
MEAN	10.02	10.35	10.64	10.75	10.71	10.69	10.96	10.68	10.15	10.04	10.51	10.63
MAX	10.33	10.83	11.00	11.42	10.99	10.96	12.08	11.19	10.53	10.27	11.10	10.96
MIN	9.94	10.13	10.40	10.52	10.57	10.54	10.39	10.31	9.76	9.95	10.17	10.38

07385700 BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

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, 414 micromhos Sept. 18, 22, 1976; minimum, 49 micromhos Apr. 24, 1977.

WATER TEMPERATURES: Maximum, 32.5°C July 22, 1975, July 23, 1977; minimum, 3.5°C Jan. 19, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 392 micromhos Oct. 10; minimum, 49 micromhos Apr. 24.

WATER TEMPERATURES: Maximum, 32.5°C July 23; minimum, 3.5°C Jan. 19.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	INSTANTANEOUS DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (COL./100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)
OCT 29...	1645	212	235	7.5	15.0	50	25	6.9	.8	86	830
NOV 18...	1130	466	147	7.2	12.0	40	20	8.1	1.7	--	880
DEC 27...	1400	950	149	7.1	11.5	70	35	7.7	5.4	B2400	B10000
JAN 10...	1345	670	138	7.2	9.5	80	40	10.2	1.3	1100	1700
FEB 09...	1030	770	99	7.0	9.0	80	75	9.1	--	--	--
MAR 23...	1600	688	118	6.2	19.5	120	45	6.5	1.6	680	--
APR 22...	1300	2500	80	6.3	21.0	800	500	5.7	3.7	--	--
MAY 19...	1015	706	106	6.7	25.0	100	40	4.7	.3	280	--
JUN 07...	0915	130	296	7.7	29.5	30	25	3.9	.4	420	--
JUL 21...	1100	254	330	7.6	31.0	30	30	4.9	--	--	--
AUG 18...	1330	442	222	7.5	29.5	60	65	4.4	1.9	B1200	--
SEP 08...	1030	634	134	7.2	27.5	100	35	3.2	--	--	--

DATE	FECAL STREPTOCOCCI KF AGAR (COL. PER 100 ML)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED PHOSPHATE (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
OCT 29...	--	68	0	17	6.2	20	38	1.1	2.8	88
NOV 18...	--	39	0	9.6	3.7	12	38	.8	2.9	56
DEC 27...	--	51	7	12	5.0	8.6	25	.5	3.4	53
JAN 10...	--	43	6	10	4.3	9.1	30	.6	2.9	45
FEB 09...	130	32	5	7.7	3.2	6.7	29	.5	2.3	33
MAR 23...	9400	38	2	8.9	3.8	9.1	33	.6	2.2	44
APR 22...	B13000	26	5	7.1	2.1	4.5	25	.4	2.3	26
MAY 19...	600	32	0	7.9	3.0	7.8	33	.6	1.9	40
JUN 07...	840	100	0	25	9.8	18	27	.8	3.4	129
JUL 21...	3800	110	2	27	10	23	31	1.0	3.5	130
AUG 18...	980	64	0	15	6.5	18	37	1.0	2.6	86
SEP 08...	640	48	5	13	3.8	7.2	23	.5	4.0	53

07385700 BAYOU TEGHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)
OCT 29...	0	72	4.5	7.0	23	.5	14	129	134	.18
NOV 18...	0	46	5.7	4.6	13	.0	13	78	86	.11
DEC 27...	0	43	6.7	11	12	.2	10	108	88	.15
JAN 10...	0	37	4.5	9.9	12	.1	8.8	95	79	.13
FEB 09...	0	27	5.3	6.7	8.3	.1	6.1	78	57	.11
MAR 23...	0	36	44	4.0	11	.0	7.5	--	68	.13
APR 22...	0	21	21	3.2	5.8	.1	4.5	54	43	.07
MAY 19...	0	33	13	2.8	9.3	.0	8.8	54	62	.07
JUN 07...	0	110	4.1	8.2	22	.1	12	175	162	.24
JUL 21...	0	110	5.2	8.4	30	.1	14	196	180	.27
AUG 18...	0	71	4.4	5.5	22	.1	17	123	129	.17
SEP 08...	0	43	5.4	4.2	12	.1	12	85	82	.12

DATE	DIS- SOLVED SOLIDS (TONS PER DAY)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL PHYTO- PLANK- TON (CELLS PER ML)	SUS- PENDE SEDI- MENT (MG/L)	SUS- PENDE SEDI- MENT DIS- CHARGE (T/DAY)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM
OCT 29...	73.8	.15	.55	.70	3.1	.34	0	78	45	80
NOV 18...	98.1	.22	.67	.89	3.9	.33	1400	27	34	65
DEC 27...	281	.14	1.0	1.1	5.0	.29	2100	96	250	93
JAN 10...	169	.24	.93	1.2	5.2	.23	850	416	739	95
FEB 09...	162	.19	.90	1.1	4.8	.29	--	--	--	--
MAR 23...	126	.13	.97	1.1	4.9	.22	--	--	--	--
APR 22...	364	.60	2.3	2.9	13	.62	--	318	2210	98
MAY 19...	103	.21	.75	.96	4.3	.27	16000	70	133	81
JUN 07...	61.4	.19	.71	.90	4.0	.22	--	23	8.1	93
JUL 21...	130	.46	.57	1.0	4.6	.27	--	51	34	98
AUG 18...	163	.34	.97	1.3	5.8	.44	--	179	237	92
SEP 08...	146	.32	.87	1.2	5.3	.43	--	53	91	71

MISSISSIPPI RIVER DELTA

07385700 BAYOU TEGHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)
OCT 29...	3	2	0	0	<10	0	0	0	7	7	1400	20
JAN 10...	2	2	0	0	10	0	0	0	72	11	4000	120
APR 22...	19	2	0	0	20	10	10	0	27	6	22000	100
JUL 21...	4	3	0	0	10	0	0	0	15	15	820	40

DATE	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT 29...	5	0	60	50	.1	.0	0	0	20	10	4.6
JAN 10...	10	0	70	20	.1	.1	1	0	80	10	12
APR 22...	27	0	620	120	.0	.0	0	0	90	10	6.3
JUL 21...	5	5	240	150	.0	.0	0	0	20	20	6.0

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	247	213	192	150	108	156	161	87	204	322	293	119
2	259	226	209	139	108	150	144	86	221	339	257	131
3	---	205	156	132	114	157	---	89	229	315	208	135
4	281	210	166	134	119	138	146	94	246	300	256	138
5	238	145	170	131	121	144	154	96	258	286	272	140
6	244	142	169	125	62	124	146	106	273	267	314	137
7	333	167	167	122	72	112	156	109	298	244	336	143
8	351	210	213	138	89	126	155	112	300	243	274	131
9	356	225	221	147	96	120	154	110	308	277	277	131
10	392	254	175	142	105	122	145	116	306	253	382	149
11	377	270	142	153	113	122	145	120	374	277	376	131
12	335	266	123	156	107	121	140	125	358	254	354	112
13	333	261	131	154	110	115	145	128	341	274	350	103
14	350	246	137	136	107	109	148	129	363	310	280	115
15	343	222	134	110	105	112	161	126	338	350	269	109
16	303	207	140	98	108	119	164	115	335	339	211	122
17	305	185	144	81	108	124	179	109	305	377	228	122
18	305	161	156	84	121	124	184	101	201	371	222	---
19	263	190	140	85	125	119	202	105	172	377	224	131
20	266	195	136	90	124	116	221	109	166	380	176	140
21	246	208	153	98	118	110	165	123	181	333	215	151
22	254	232	161	101	125	112	81	115	280	274	214	151
23	258	233	158	99	126	114	56	141	384	263	122	146
24	264	202	159	94	128	117	49	158	349	261	142	150
25	242	221	158	105	140	115	53	176	322	283	99	148
26	235	238	150	104	144	118	54	192	338	285	92	156
27	245	265	152	104	151	119	53	196	336	265	99	163
28	225	247	134	101	161	117	59	190	325	324	97	174
29	240	198	114	104	---	135	73	186	330	316	100	180
30	223	169	121	108	---	162	78	181	328	327	105	175
31	212	---	140	106	---	165	---	195	---	326	114	---

07385700 BAYOU TECHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22.0	17.0	8.0	7.5	7.0	13.5	19.0	21.5	28.0	29.5	30.5	27.0
2	22.5	15.0	9.5	7.5	9.5	14.5	21.5	22.0	28.5	30.0	29.0	29.0
3	---	15.0	8.0	8.0	10.5	17.5	---	23.0	28.5	29.5	29.0	28.5
4	23.0	15.0	9.5	7.5	9.5	16.0	21.5	22.0	29.5	29.5	29.0	28.0
5	23.5	12.5	10.0	9.5	8.0	15.0	18.5	23.0	30.0	29.5	28.5	26.0
6	22.5	13.5	11.5	10.0	10.0	13.5	18.5	24.0	29.5	29.0	29.0	25.5
7	20.5	14.0	10.0	8.5	10.0	13.5	19.0	24.0	28.5	29.0	30.5	26.5
8	20.0	13.5	8.5	10.0	9.0	13.5	19.0	25.5	25.5	29.0	32.0	28.0
9	18.0	12.0	8.0	10.5	8.5	13.5	19.5	25.0	30.0	29.0	30.0	27.0
10	21.5	15.0	11.0	6.0	9.5	15.0	21.5	24.0	28.0	28.0	29.5	26.5
11	19.0	16.5	13.0	6.5	11.0	18.5	20.5	22.5	29.0	28.5	29.0	28.5
12	19.0	14.5	14.0	7.5	14.0	16.5	23.0	24.5	27.0	28.0	29.0	26.5
13	19.5	12.5	11.5	8.0	12.0	15.5	20.5	25.5	29.0	28.5	29.0	26.5
14	20.0	12.0	9.5	11.5	11.0	15.5	21.0	23.5	27.0	28.5	28.5	25.0
15	21.5	11.0	11.0	9.5	10.5	19.0	22.0	24.0	29.0	28.5	28.5	25.5
16	21.0	11.0	11.0	8.5	10.0	19.0	22.0	23.5	29.0	28.0	29.0	30.0
17	21.5	11.0	10.5	5.0	14.5	19.5	24.5	26.5	28.0	29.5	29.0	28.0
18	16.5	11.5	11.5	6.5	14.0	20.0	23.5	26.0	28.5	30.0	29.5	---
19	17.0	12.5	12.5	3.5	14.5	21.0	23.5	26.0	29.0	28.5	27.5	27.0
20	16.5	13.0	14.0	4.5	13.0	20.0	23.0	25.0	28.0	29.0	28.0	25.0
21	16.0	13.0	9.5	5.5	14.5	21.0	21.5	25.0	28.0	28.0	27.5	25.5
22	15.5	11.5	9.5	6.5	16.0	17.5	22.0	24.5	28.5	32.0	27.5	28.0
23	16.0	10.5	10.0	9.0	17.0	19.5	20.0	24.5	28.5	32.5	25.5	27.0
24	19.0	11.0	8.5	8.0	15.0	18.5	20.0	25.0	31.0	31.5	26.5	27.5
25	18.5	12.0	13.0	6.5	15.0	17.5	19.5	25.0	31.0	30.0	26.5	28.0
26	18.0	14.5	12.0	6.5	18.0	21.0	18.5	26.5	31.0	31.5	26.0	27.5
27	17.5	16.5	12.5	11.0	14.5	22.0	19.0	27.5	30.5	28.5	28.0	27.5
28	16.0	12.5	12.5	10.0	14.5	20.0	19.0	28.0	31.0	29.5	26.5	30.0
29	16.5	8.5	11.0	7.5	---	21.0	20.0	28.0	30.5	30.0	27.5	27.5
30	18.0	7.5	11.0	7.5	---	21.5	21.0	28.5	29.0	31.0	26.5	27.0
31	15.5	---	10.5	6.0	---	20.0	---	28.0	---	31.0	26.5	---

07385700 BAYOU TEGHE AT KEYSTONE LOCK, NEAR ST. MARTINVILLE, LA--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

OCT. 29, 1976 1645 HOURS

PHYTOPLANKTON 0 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....MELOSIRA	0	
EUGLENOPHYTA		
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....TRACHELOMONAS	0	

NOV. 18, 1976 1130 HOURS

PHYTOPLANKTON 1,400 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	9	1
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCINODISCACEAE		
....MELOSIRA	550	39
..PENNALES		
...CYMBELLACEAE		
....CYMBELLA	9	1
...GOMPHONEMACEAE		
....GOMPHONEMA	18	1
...NAVICULACEAE		
....NAVICULA	330	24
...PINNULARIA	18	1
...NITZSCHACEAE		
....NITZSCHIA	140	10
...SURIPELLACEAE		
....SURIPELLA	9	1
CYANOPHYTA		
.MYXOPHYCEAE		
..OSCILLATORIALES		
...OSCILLATORIA		
....OSCILLATORIA	320	23

DEC. 27, 1976 1400 HOURS

PHYTOPLANKTON 2,100 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..PENNALES		
...NAVICULACEAE		
....NAVICULA	22	1
...NITZSCHACEAE		
....NITZSCHIA		
CYANOPHYTA		
.MYXOPHYCEAE		
..OSCILLATORIALES		
...OSCILLATORIA		
....OSCILLATORIA	2,000	99

JAN. 10, 1977 1345 HOURS

PHYTOPLANKTON 850 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..VOLVOCALES		
...CHLAMYDOMONADACEAE		
....CHLAMYDOMONAS	14	2
CHRYSOPHYTA		
.BACILLARIOPHYCEAE		
..PENNALES		
...FRAGILARIACEAE		
....SYNEDRA	14	2
...NAVICULACEAE		
....GYROSIGMA	14	2
...NAVICULA	41	5
...NITZSCHACEAE		
....NITZSCHIA	27	3
...SURIPELLACEAE		
....SURIPELLA	14	2
CYANOPHYTA		
.MYXOPHYCEAE		
..OSCILLATORIALES		
...OSCILLATORIA		
....OSCILLATORIA	730	85

07386700 RUTH CANAL NEAR RUTH, LA

LOCATION.--Lat 30°14'35", long 91°53'05", in NE¼NW¼ lot 95, 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 Breaux Bridge.

PERIOD OF RECORD.--August 1959 to current year. Gage heights 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 at mean sea level (Corps of Engineers bench mark). Auxiliary water-stage recorder 150 ft (46 m) below control structure at same datum. Nov. 4, 1965, to July 11, 1973, auxiliary nonrecording gage at same site and datum.

REMARKS.--Records fair. Total flow through control structure diverted from Bayou Teche. Diversions are for irrigation.

AVERAGE DISCHARGE.--18 years, 129 ft³/s (3.65 m³/s), 93,460 acre-ft/yr (115 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge, 802 ft³/s (22.7 m³/s) Apr. 21, 1966; minimum daily, 18 ft³/s (0.51 m³/s) Sept. 3-5, Oct. 22 to Nov. 7, 1963, July 27-30, 1965, July 4-9, 1969, Oct. 20, 21, 1972.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	22	24	28	27	30	29	31	36	24	103	24	28
2	22	24	26	27	29	28	30	36	24	104	24	28
3	22	24	26	28	30	28	29	35	23	104	24	27
4	22	24	26	29	33	31	29	34	22	104	24	27
5	22	24	26	29	32	32	29	33	22	103	24	26
6	22	23	26	30	32	31	29	32	70	102	24	28
7	22	23	30	30	31	28	28	32	204	103	24	27
8	22	23	30	28	30	29	28	31	156	104	24	28
9	21	23	28	28	29	29	28	31	97	102	23	28
10	21	23	27	28	28	29	28	30	97	101	23	30
11	21	23	27	29	28	29	28	30	98	102	23	31
12	21	22	28	29	29	29	103	29	96	103	23	31
13	21	22	30	30	29	29	186	29	95	102	24	30
14	21	24	30	36	29	28	186	28	96	100	26	31
15	21	24	31	35	28	28	184	28	97	104	26	30
16	21	24	30	34	28	28	183	28	103	104	25	29
17	21	25	29	33	28	28	180	28	110	103	25	29
18	21	25	28	32	29	28	181	28	113	102	26	28
19	21	26	28	31	29	28	182	28	113	102	25	28
20	21	27	28	30	29	28	145	28	113	101	27	28
21	21	27	28	30	29	28	81	28	113	98	28	27
22	21	26	28	29	28	28	44	27	111	101	30	27
23	21	26	28	28	28	28	42	27	111	103	33	27
24	21	26	28	28	28	28	42	27	110	103	33	27
25	21	26	30	28	28	28	42	26	109	103	33	27
26	21	26	33	28	28	28	41	26	109	82	33	26
27	21	25	32	29	28	32	40	25	105	22	32	26
28	21	30	31	28	29	28	39	25	104	22	31	26
29	22	29	30	28	---	28	38	25	103	23	30	25
30	23	28	29	28	---	28	37	24	103	24	29	25
31	23	---	28	30	---	30	---	24	---	24	29	---
TOTAL	664	746	887	917	816	891	2293	898	2851	2758	829	835
MEAN	21.4	24.9	28.6	29.6	29.1	28.7	76.4	29.0	95.0	89.0	26.7	27.8
MAX	23	30	33	36	33	32	186	36	204	104	33	31
MIN	21	22	26	27	28	28	28	24	22	22	23	25
AC-FT	1320	1480	1760	1820	1620	1770	4550	1780	5650	5470	1640	1660
CAL YR 1976	TOTAL	30777	MEAN 84.1	MAX 217	MIN 20	AC-FT 61050						
WTR YR 1977	TOTAL	15385	MEAN 42.2	MAX 204	MIN 21	AC-FT 30520						

MISSISSIPPI RIVER DELTA

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 or 2.31 ft (0.704 m) below mean sea level (levels by Corps of Engineers). Water-stage recorder for Vermilion River at State Highway 3073, near Lafayette (sta 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 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	108	117	1460	592	1090	489	1540	3970	-110	84	-7.0	583
2	112	84	1100	-163	647	5.0	1330	3880	-99	-21	-42	648
3	52	90	838	926	699	174	1010	3760	-7.1	-14	2.0	623
4	1.2	11	588	1390	1530	1370	731	3630	-6.0	7.9	-94	308
5	-38	76	383	1050	1610	1680	887	3490	-6.6	-2.0	-33	730
6	316	-4.8	129	142	1560	1690	234	3340	36	79	-21	1220
7	91	68	1080	1100	1340	1590	404	3180	268	48	-27	945
8	229	82	1530	1060	987	1330	314	2980	89	-29	-29	695
9	80	-13	1170	537	562	985	248	2770	19	82	-38	447
10	31	20	731	940	112	694	130	2550	73	187	-35	1170
11	50	-3.2	450	627	52	427	98	2330	53	118	-134	1630
12	18	108	557	396	184	677	236	2070	-8.0	135	-127	1870
13	44	24	1120	-53	275	749	366	1790	133	72	224	1660
14	80	380	1080	-492	101	456	296	1510	222	166	311	846
15	14	398	1200	1980	187	337	284	1260	630	135	273	1870
16	-15	88	1620	2500	125	380	303	1030	623	70	91	1950
17	291	8.0	1310	2470	138	270	209	825	466	98	141	1700
18	26	17	911	2390	86	263	465	567	375	102	328	1420
19	14	50	587	2190	63	257	-18	584	376	100	608	1130
20	304	948	188	1880	64	319	-378	430	351	415	579	913
21	-24	1110	964	1530	-6.0	201	-4620	252	221	549	1020	679
22	-4.9	760	439	1230	-19	416	-2430	218	182	382	1300	495
23	-31	224	341	906	56	145	2420	202	182	193	1540	292
24	77	171	98	738	761	150	3930	211	192	124	1710	155
25	119	80	-764	598	430	46	4350	246	101	39	744	10
26	70	14	1250	283	270	139	4310	187	-22	81	1810	-95
27	31	138	2000	347	1020	-124	4260	16	-39	59	1710	-166
28	62	126	1880	403	871	331	4200	3.1	103	70	1500	75
29	-314	1230	1520	321	---	251	4130	34	82	77	1340	60
30	608	1840	1060	83	---	358	4040	73	78	46	1030	30
31	726	---	855	822	---	886	---	-28	---	116	666	---
TOTAL	3127.3	8241.0	27675	28723	14795.0	16941.0	33279	47360.1	4557.3	3568.9	16340.0	23893
MEAN	101	275	893	927	528	546	1109	1528	152	115	527	796
MAX	726	1840	2000	2500	1610	1690	4350	3970	630	549	1810	1950
MIN	-314	-13	-764	-492	-19	-124	-4620	-28	-110	-29	-134	-166

WTR YR 1977 TOTAL 228500.6 MEAN 626 MAX 4350 MIN -4620

07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.56	3.11	6.50	3.54	4.54	3.63	6.71	12.22	3.17	3.58	3.26	6.50
2	3.39	3.25	5.42	4.29	4.12	4.05	6.54	12.08	3.30	3.35	3.30	6.02
3	3.36	2.82	4.48	6.90	5.06	4.85	5.93	11.82	3.53	3.29	3.41	5.36
4	3.76	2.97	4.00	6.50	5.72	7.55	5.48	11.56	3.55	3.44	3.56	5.03
5	4.46	2.90	3.86	5.66	5.16	7.09	4.34	11.29	3.84	3.52	4.28	5.77
6	3.63	3.08	4.33	5.39	4.93	7.03	3.48	10.98	3.74	3.51	4.23	6.23
7	3.14	3.22	7.20	6.58	4.62	6.58	3.43	10.64	3.63	3.35	4.20	5.58
8	2.63	2.57	6.65	5.46	4.00	5.74	3.04	10.23	3.63	3.24	4.10	4.91
9	2.04	3.25	5.58	5.15	3.66	5.01	2.83	9.75	4.25	3.78	4.09	4.87
10	2.73	3.30	4.85	4.67	3.82	4.70	3.15	9.22	4.11	4.08	4.03	7.62
11	3.21	3.27	4.33	3.60	3.81	5.09	4.19	8.66	3.95	3.78	4.35	8.17
12	3.35	2.81	4.76	3.85	4.00	5.30	4.26	8.02	4.38	3.70	4.91	7.82
13	3.54	2.32	6.44	4.28	3.08	4.50	4.39	7.34	4.98	4.00	4.95	7.97
14	3.25	3.56	6.60	10.36	3.15	4.05	4.45	6.60	5.26	4.69	4.67	9.19
15	3.33	3.21	8.06	9.54	2.97	4.02	4.65	5.99	5.31	3.80	4.42	8.80
16	3.80	2.94	7.26	9.23	2.10	3.39	4.87	5.53	5.04	3.85	4.07	8.35
17	2.44	3.17	6.02	9.03	2.82	3.44	5.11	5.22	4.48	4.05	4.33	7.52
18	2.50	3.27	4.94	8.81	2.81	4.12	4.86	5.15	4.27	3.93	4.31	6.74
19	3.54	4.60	4.28	8.29	2.69	4.07	4.96	5.07	4.03	3.93	4.93	6.18
20	2.56	7.01	5.35	7.46	2.16	3.45	9.04	4.58	3.81	4.54	5.29	5.53
21	2.39	6.02	4.95	4.79	2.63	4.08	13.92	4.69	3.54	4.95	6.67	5.13
22	3.33	4.33	4.06	4.21	3.37	2.94	14.12	4.76	3.57	4.07	7.57	4.78
23	3.86	3.70	3.81	4.07	4.56	3.01	13.65	4.48	3.62	3.64	8.28	4.75
24	3.81	3.46	3.66	3.92	4.90	3.88	13.28	4.17	3.53	3.66	8.08	4.74
25	3.59	3.32	6.09	2.98	4.18	4.20	12.98	4.11	3.33	3.66	8.92	4.62
26	2.93	3.70	9.04	3.20	4.48	4.17	12.81	3.55	3.32	3.81	8.57	4.54
27	3.30	3.65	8.09	3.79	5.21	4.79	12.72	3.31	3.63	4.32	8.04	4.45
28	2.85	7.83	7.59	3.56	4.42	5.52	12.61	3.33	3.78	4.02	7.61	4.24
29	3.87	8.81	6.43	2.72	---	4.82	12.49	3.57	3.73	3.95	7.11	4.28
30	6.47	7.65	5.29	3.48	---	4.70	12.33	3.51	3.69	3.70	6.39	4.61
31	4.40	---	4.54	4.97	---	5.07	---	3.20	---	3.61	6.43	---
MEAN	3.39	3.97	5.63	5.49	3.89	4.67	7.55	6.92	3.93	3.83	5.43	6.01
MAX	6.47	8.81	9.04	10.36	5.72	7.55	14.12	12.22	5.31	4.95	8.92	9.19
MIN	2.04	2.32	3.66	2.72	2.10	2.94	2.83	3.20	3.17	3.24	3.26	4.24

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 (sta 07386880).

DRAINAGE AREA.--Indeterminate.

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

GAGE.--Water-stage recorder. Datum of gage is 1.54 ft (0.469 m) below mean low Gulf or 2.32 ft (0.707 m) below mean sea level.

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 16.74 ft (5.102 m) Apr. 21, 1977; minimum, not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 16.74 ft (5.102 m) Apr. 21; minimum, 1.65 ft (0.503 m) Oct. 20.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	3.63	3.16	5.32	3.09	4.54	3.34	5.45	9.77	3.50	3.67	3.44	6.38
2	3.47	3.36	4.55	4.52	4.12	4.19	5.66	9.79	3.58	3.54	3.50	5.82
3	3.49	2.92	3.82	6.45	5.06	4.93	5.33	9.35	3.69	3.49	3.57	5.13
4	3.91	3.12	3.64	5.50	5.72	6.88	5.16	9.10	3.70	3.59	3.77	5.00
5	4.62	3.01	3.72	4.96	5.16	5.70	3.48	8.86	3.98	3.67	4.43	5.46
6	3.56	3.24	4.38	5.28	4.93	5.59	3.35	8.55	3.87	3.62	4.37	5.43
7	3.25	3.33	6.72	5.96	4.62	4.95	3.24	8.30	3.62	3.48	4.35	5.02
8	2.60	2.67	5.38	4.70	4.00	4.36	2.92	7.88	3.72	3.42	4.26	4.55
9	2.17	3.43	4.76	4.96	3.66	4.23	2.75	7.36	4.39	3.88	4.26	4.71
10	2.90	3.45	4.44	3.82	3.82	4.31	3.17	6.91	4.21	4.14	4.19	7.17
11	3.34	3.44	4.18	3.06	3.81	5.01	4.26	6.56	4.06	3.86	4.54	7.34
12	3.50	2.89	4.53	3.69	4.00	4.96	4.26	6.21	4.50	3.77	5.10	6.50
13	3.67	2.51	5.82	4.49	3.08	3.99	4.31	5.85	5.08	4.06	5.00	7.07
14	3.35	3.41	5.97	10.58	3.15	3.86	4.44	5.34	5.34	4.77	4.64	9.05
15	3.49	3.02	7.60	8.64	2.97	3.95	4.64	5.02	5.07	3.86	4.39	7.89
16	3.96	3.03	6.16	7.41	2.11	3.23	4.85	4.80	4.76	3.95	4.15	7.19
17	2.33	3.32	4.96	6.86	2.89	3.41	5.15	4.72	4.29	4.14	4.41	6.40
18	2.73	3.45	4.28	6.72	2.92	4.12	4.73	4.92	4.15	4.02	4.25	5.78
19	3.70	4.74	3.95	6.13	2.80	4.08	5.07	4.84	3.89	4.02	4.68	5.50
20	2.44	6.65	5.36	5.65	2.28	3.37	9.23	4.43	3.70	4.44	5.10	5.01
21	2.61	5.32	4.17	4.79	2.79	4.12	15.60	4.71	3.54	4.75	6.21	4.82
22	3.51	3.78	3.83	4.21	3.53	2.69	14.70	4.80	3.60	3.96	6.99	4.62
23	4.03	3.69	3.70	4.07	4.69	3.07	13.13	4.52	3.65	3.67	7.60	4.75
24	3.91	3.48	3.74	3.92	4.45	3.95	11.80	4.20	3.55	3.73	7.11	4.83
25	3.65	3.41	6.55	2.98	4.01	4.31	10.25	4.12	3.43	3.79	8.79	4.76
26	3.05	3.84	8.61	3.20	4.49	4.21	9.95	3.59	3.51	4.13	7.65	4.72
27	3.45	3.72	6.63	3.79	4.32	4.96	9.81	3.46	3.80	4.44	7.09	4.66
28	2.98	7.97	6.06	3.56	3.61	5.51	9.74	3.49	3.84	4.12	6.84	4.37
29	4.28	8.39	5.00	2.72	---	4.78	9.68	3.70	3.81	4.07	5.97	4.40
30	6.29	6.25	4.44	3.48	---	4.61	9.59	3.62	3.78	3.82	5.87	4.75
31	3.93	---	3.86	4.97	---	4.38	---	3.42	---	3.69	6.25	---
MEAN	3.48	3.93	5.04	4.97	3.84	4.36	6.86	5.88	3.99	3.92	5.25	5.64
MAX	6.29	8.39	8.61	10.58	5.72	6.88	15.60	9.79	5.34	4.77	8.79	9.05
MIN	2.17	2.51	3.64	2.72	2.11	2.69	2.75	3.42	3.43	3.42	3.44	4.37

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.

WATER TEMPERATURES: October 1970 to current year.

DISSOLVED OXYGEN: November 1970 to current year.

pH: October 1976 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 Sept. 25, 1972; minimum, 20 micromhos Sept. 6, 1973, Feb. 6, 1976.

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 Sept. 11, 12, 22, 1972; minimum, 0.0 mg/L several days in summer months during 1973-75, 1977.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum, 33.5°C Aug. 1; minimum, 4.0°C Jan. 4.

DISSOLVED OXYGEN: Minimum, 0.0 mg/L several days during Oct. July, Aug. Sep.

pH: Maximum, 7.6 units July 2; minimum, 5.7 units Apr. 23.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM (7UM-MF (COL./100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	FECAL STREPTOCOCCI (KF AGAR (COL. PER 100 ML)	HARDNESS (CA+MG) (MG/L)
OCT 29...	1515	614	7.7	15.0	30	10	6.3	3.6	1100	75	--	110
NOV 18...	1330	242	7.3	11.5	60	50	6.3	4.5	2000	1500	--	52
DEC 27...	1230	123	7.0	13.0	90	70	8.2	4.2	10000	--	--	35
JAN 10...	1530	187	7.2	10.0	90	40	8.6	2.5	88200	1200	--	44
FEB 09...	1200	145	7.0	9.5	100	60	7.3	--	1300	--	8170	37
MAR 23...	1400	238	6.3	22.0	100	45	4.1	5.9	5500	--	160	59
APR 22...	1300	59	6.1	22.5	160	70	6.2	2.9	--	--	810000	18
MAY 19...	0930	203	6.8	24.0	120	15	1.5	6.8	3600	--	4400	54
JUN 07...	1045	400	7.5	30.0	30	10	2.7	2.4	87800	--	250	95
JUL 21...	0930	150	7.0	27.0	40	85	4.0	--	--	--	--	44
AUG 18...	1200	392	7.4	29.0	40	20	2.2	1.9	4500	--	570	72
SEP 08...	1030	175	7.0	27.0	120	33	1.4	--	--	--	6500	45
DATE	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
OCT 29...	16	26	11	70	57	2.9	4.0	110	0	90	3.5	14
NOV 18...	0	14	4.1	22	45	1.3	5.5	66	0	54	5.3	12
DEC 27...	0	9.7	2.7	6.7	27	.5	3.9	45	0	37	7.2	6.1
JAN 10...	3	12	3.4	15	41	1.0	3.1	50	0	41	5.0	8.1
FEB 09...	1	9.8	3.0	12	39	.9	2.9	44	0	36	7.0	7.7
MAR 23...	3	15	5.2	22	43	1.2	2.8	68	0	56	55	8.4
APR 22...	3	5.0	1.3	3.3	26	.3	2.1	18	0	15	23	4.2
MAY 19...	0	15	3.9	15	36	.9	3.4	56	0	46	14	9.6
JUN 07...	0	25	8.0	35	43	1.6	4.6	120	0	98	6.1	20
JUL 21...	2	12	3.5	14	38	.9	4.0	52	0	43	8.3	7.5
AUG 18...	6	20	5.3	43	54	2.2	5.3	80	0	66	5.1	10
SEP 08...	0	12	3.7	13	36	.8	4.8	55	0	45	8.8	7.8

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT 29...	26	.2	18	319	223	.43	.27	--	--	--	.88
NOV 18...	30	.1	8.3	131	129	.18	1.2	--	--	--	1.0
DEC 27...	8.9	.1	7.1	--	67	.09	.28	--	--	--	.52
JAN 10...	23	.2	8.7	122	98	.17	.27	1.3	1.6	7.0	.36
FEB 09...	17	.1	7.4	97	82	.13	.25	--	--	--	.42
MAR 23...	31	.1	11	147	129	.20	.29	--	--	--	.56
APR 22...	4.3	.0	3.1	45	32	.06	.19	1.2	1.4	6.2	.41
MAY 19...	21	.1	11	112	112	.15	.17	2.1	2.3	10	.69
JUN 07...	45	.2	20	230	217	.31	.12	--	--	--	1.7
JUL 21...	19	.1	6.3	107	92	.15	.34	1.5	1.8	8.1	.49
AUG 18...	63	.1	11	208	197	.28	.40	--	--	--	1.0
SEP 08...	21	.2	14	109	104	.15	.23	--	--	--	.59

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)
NOV 18...	1	--	0	--	--	0	7	--	80	--	0	--
JAN 10...	1	--	0	--	--	0	6	--	150	--	2	--
APR 22...	2	6	0	<10	10	0	7	10	100	3500	0	100
JUL 21...	4	--	2	--	--	0	37	--	90	--	8	--

DATE	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)
NOV 18...	150	--	.2	--	20	--	8.8	--
JAN 10...	70	--	.1	--	10	--	15	--
APR 22...	20	220	.0	.2	10	40	6.8	.00
JUL 21...	170	--	.0	--	50	--	4.5	--

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	PHENOLS (UG/L)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)
NOV 18...	3	.0	--	.00	--	.00	--	<.1	--	.00	--	.00
APR 22...	4	.0	0	.00	.0	.00	.0	.0	72	.00	25	.00

DATE	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)
NOV 18...	--	.00	--	.05	--	.00	--	.00	--	.00	--	.00
APR 22...	22	.00	3.3	.00	.0	.02	.0	.00	.0	.00	.0	.02

DATE	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)
NOV 18...	--	.00	--	.00	--	.00	--	.00	--	.00	--
APR 22...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
NOV 18...	--	--	.00	--	0	--	.00	--	.14	.11	.00
APR 22...	.00	.0	.00	.0	0	0	.00	.0	.12	.07	.00

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	371	313	278	253					---	---	256	249
2	361	292	278	267					---	---	250	248
3	337	290	278	271					157	115	256	245
4	339	335	279	273					125	95	263	228
5	356	333	280	276					107	103	230	224
6	400	326	280	277					118	114	228	221
7	401	329	282	273					133	128	224	219
8	556	387	290	276					151	145	226	219
9	527	420	292	279					166	161	225	217
10	444	419	292	283					180	175	221	217
11	441	408	---	---					198	190	217	213
12	449	409	---	---					223	204	222	210
13	447	413	---	---					236	219	233	212
14	483	424	---	---					245	231	272	197
15	483	454	---	---					309	244	284	221
16	475	461	---	---					281	271	235	225
17	526	412	---	---					291	280	238	229
18	514	386	---	---					310	292	230	216
19	453	449	---	---					330	319	219	211
20	478	442	---	---					341	332	215	207
21	477	450	---	---					352	349	217	211
22	588	425	---	---					365	364	220	207
23	---	---	---	---					376	360	212	207
24	574	464	---	---					409	384	219	210
25	617	467	---	---					363	267	220	206
26	676	549	---	---					295	266	219	206
27	654	463	---	---					327	264	214	204
28	450	429	---	---					258	251	229	206
29	476	286	---	---					---	---	228	200
30	427	223	---	---					---	---	225	201
31	297	246	---	---					---	---	232	198
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	202	177	106	98	---	---	413	394	361	367	191	171
2	179	175	105	101	---	---	413	393	412	379	204	194
3	182	175	107	104	---	---	408	394	423	387	221	198
4	185	178	109	106	---	---	410	387	422	387	223	209
5	229	184	110	108	---	---	409	386	428	398	273	211
6	---	---	112	110	---	---	421	383	407	386	300	181
7	200	192	114	113	---	---	412	392	455	391	200	176
8	200	187	118	115	---	---	391	379	507	437	200	170
9	197	193	120	117	---	---	385	342	526	477	179	170
10	200	189	123	120	---	---	349	324	533	461	188	159
11	196	188	129	124	---	---	360	349	547	481	185	167
12	193	183	130	127	---	---	378	357	529	476	178	173
13	192	179	136	128	---	---	377	337	519	208	200	130
14	176	162	---	---	---	---	373	322	675	419	162	95
15	168	162	---	---	---	---	371	340	956	532	158	115
16	195	161	---	---	---	---	497	382	506	380	148	124
17	161	157	---	---	---	---	---	---	446	371	148	136
18	166	155	---	---	---	---	---	---	401	177	---	---
19	161	125	---	---	---	---	---	---	286	176	---	---
20	130	108	---	---	---	---	---	---	216	135	---	---
21	105	97	---	---	---	---	---	---	160	138	---	---
22	101	98	---	---	---	---	---	---	151	134	---	---
23	98	93	---	---	---	---	---	---	135	128	---	---
24	97	94	---	---	---	---	---	---	154	143	---	---
25	94	89	---	---	---	---	282	251	154	144	---	---
26	90	89	---	---	---	---	422	272	155	146	---	---
27	91	90	---	---	---	---	379	232	161	152	---	---
28	93	92	---	---	408	392	318	274	170	159	---	---
29	95	94	---	---	429	412	320	299	170	165	---	---
30	98	96	---	---	417	403	432	330	177	170	---	---
31	---	---	---	---	---	---	568	414	177	166	---	---

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

PH (UNITS), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	6.8	6.7	6.8	6.7	6.5	6.3	6.6	6.4	---	---	6.8	6.5
2	6.7	6.7	6.7	6.6	6.5	6.1	6.5	6.4	---	---	6.6	6.5
3	6.7	6.7	6.7	6.6	6.4	6.1	6.8	6.4	6.9	6.4	6.6	6.5
4	6.8	6.7	6.7	6.6	6.4	6.1	6.8	6.6	7.3	6.5	7.2	6.6
5	6.8	6.7	6.7	6.6	6.4	6.2	6.7	6.3	6.6	6.4	6.7	6.5
6	6.8	6.7	6.7	6.6	6.5	6.3	6.7	6.2	7.1	6.4	6.6	6.5
7	6.9	6.8	6.8	6.6	7.2	6.5	7.0	6.3	6.6	6.3	6.6	6.5
8	6.9	6.8	6.8	6.7	6.9	6.4	6.8	6.3	7.2	6.3	6.6	6.5
9	7.0	6.9	6.7	6.7	6.7	6.3	6.5	6.3	6.7	6.3	6.5	6.5
10	7.0	6.9	6.8	6.7	6.4	6.3	6.7	6.4	6.4	6.3	6.5	6.5
11	7.0	6.9	6.8	6.7	6.5	6.2	6.8	6.4	6.5	6.4	6.5	6.5
12	6.9	6.9	---	---	6.5	6.3	6.7	6.4	6.6	6.4	6.6	6.4
13	6.9	6.9	---	---	6.6	6.4	6.7	6.4	6.8	6.5	6.7	6.5
14	6.9	6.9	---	---	6.8	6.5	6.8	6.0	6.6	6.5	6.6	6.5
15	6.9	6.9	---	---	6.8	6.5	6.7	6.0	6.6	6.5	6.8	6.5
16	6.9	6.9	---	---	6.7	6.5	6.6	6.4	6.6	6.6	6.9	6.6
17	6.9	6.9	---	---	6.8	6.4	6.4	6.4	6.7	6.6	6.8	6.5
18	7.0	6.9	---	---	6.5	6.3	6.4	6.3	6.7	6.6	6.7	6.6
19	7.0	6.9	---	---	6.3	6.2	6.3	6.2	6.9	6.7	6.8	6.7
20	7.0	6.8	---	---	6.6	6.2	6.6	6.1	7.0	6.9	6.9	6.8
21	7.0	6.9	---	---	6.6	6.4	6.6	6.1	7.0	6.9	6.9	6.8
22	6.9	6.9	---	---	6.5	6.4	6.7	6.1	7.0	6.9	7.0	6.8
23	7.0	6.9	6.4	6.4	6.6	6.4	6.7	6.1	6.9	6.8	6.9	6.9
24	7.0	6.8	6.5	6.3	6.6	6.4	6.5	6.1	6.9	6.7	6.9	6.9
25	6.9	6.8	6.5	6.3	7.1	6.4	6.7	6.2	6.9	6.4	7.0	6.9
26	6.9	6.8	6.5	6.3	7.0	6.4	6.7	6.3	6.6	6.4	6.9	6.9
27	6.9	6.9	6.6	6.4	6.8	6.7	---	---	6.9	6.6	6.9	6.9
28	6.9	6.8	7.1	6.5	6.7	6.5	---	---	6.9	6.5	6.9	6.8
29	7.0	6.8	6.7	6.5	6.5	6.4	---	---	---	---	7.0	6.8
30	7.1	6.7	6.8	6.5	6.7	6.3	---	---	---	---	6.9	6.8
31	7.0	6.8	---	---	6.6	6.3	---	---	---	---	7.1	6.9
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	7.0	6.7	6.0	5.9	7.3	6.8	7.2	6.8	7.1	6.7	6.2	6.1
2	6.6	6.4	6.0	5.9	6.9	6.8	7.6	6.8	6.8	6.7	6.2	6.1
3	6.6	6.4	6.0	5.9	7.0	6.7	7.4	6.9	7.1	6.7	6.3	2.2
4	6.7	6.5	6.0	6.0	7.0	6.7	6.9	6.8	6.9	6.8	6.2	6.2
5	6.8	6.7	6.0	6.0	7.0	6.8	6.9	6.8	7.1	6.8	6.5	6.2
6	7.0	6.8	6.0	6.0	7.0	6.8	6.9	6.8	7.0	6.9	6.6	6.4
7	6.9	6.8	6.0	6.0	6.9	6.8	6.9	6.9	7.4	6.8	6.6	6.3
8	6.9	6.8	6.0	5.9	6.8	6.7	7.0	6.9	7.3	6.8	6.4	6.2
9	6.9	6.8	6.0	5.9	7.2	6.8	7.0	6.8	7.0	6.8	6.3	6.2
10	6.9	6.8	6.0	5.9	7.1	6.8	6.9	6.8	7.0	6.8	7.4	6.3
11	6.8	6.8	6.0	5.9	7.4	6.8	7.0	6.9	6.9	6.8	6.5	6.4
12	6.8	6.8	6.1	6.0	7.0	6.8	7.1	7.0	6.9	6.8	7.0	6.5
13	6.8	6.7	6.0	6.0	6.8	6.7	7.1	6.9	6.8	6.4	6.7	6.4
14	6.8	6.7	6.2	6.0	6.9	6.7	6.9	6.8	6.9	6.7	6.5	6.3
15	6.8	6.7	6.3	6.1	7.0	6.7	7.1	6.9	7.1	6.7	6.4	6.3
16	7.0	6.7	6.4	6.1	7.0	6.8	7.1	6.9	7.0	6.9	6.4	6.3
17	6.8	6.7	6.3	6.1	6.7	6.7	7.1	6.9	7.0	6.7	6.3	6.2
18	6.8	6.7	6.4	6.2	6.8	6.7	7.1	7.0	6.8	6.6	6.2	6.1
19	6.8	6.6	6.5	6.2	6.8	6.7	7.2	7.0	6.8	6.5	6.2	6.2
20	6.7	6.0	6.3	6.2	6.8	6.7	7.3	6.9	7.0	6.6	6.2	6.2
21	6.6	5.8	6.4	6.3	6.8	6.7	6.9	6.5	6.8	6.5	6.2	6.2
22	6.0	5.9	6.4	6.3	6.9	6.8	7.1	6.9	6.8	6.5	6.3	6.2
23	5.9	5.7	6.4	6.4	7.0	6.8	6.9	6.9	6.6	6.4	6.3	6.2
24	6.0	5.9	6.5	6.4	7.1	6.9	6.9	6.8	7.1	6.5	6.3	6.3
25	6.1	6.0	7.3	6.5	7.1	7.0	6.8	6.7	6.8	6.4	6.4	6.3
26	6.1	6.1	6.9	6.6	7.1	7.0	7.0	6.7	6.5	6.4	6.4	6.3
27	6.0	5.9	6.7	6.6	7.1	6.9	6.9	6.6	6.5	6.4	6.4	6.4
28	6.0	5.9	6.8	6.6	7.1	6.8	6.9	6.6	6.8	6.3	6.5	6.4
29	5.9	5.9	7.0	6.7	7.1	6.9	6.9	6.7	6.6	6.3	6.5	6.4
30	5.9	5.9	7.1	6.7	7.1	6.8	6.9	6.7	6.4	6.2	6.6	6.5
31	---	---	6.9	6.7	---	---	7.0	6.7	6.3	6.1	---	---

MISSISSIPPI RIVER DELTA

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
1	25.0	22.5	17.0	15.0	6.5	5.0	10.5	8.5	---	---	15.5	14.0
2	24.0	22.0	17.0	15.5	7.5	6.5	8.5	6.5	---	---	15.0	14.5
3	25.0	23.0	17.5	16.0	8.0	6.5	7.0	4.5	9.5	7.0	15.5	14.5
4	25.5	23.0	17.5	16.5	9.0	7.0	5.5	4.0	10.5	8.0	16.5	15.0
5	24.0	23.5	17.0	15.5	9.5	7.5	6.0	5.0	11.5	10.0	15.5	14.5
6	24.0	23.5	17.0	15.0	11.0	9.5	10.0	7.5	11.0	10.0	14.0	12.5
7	23.5	22.5	17.0	15.0	13.0	10.0	10.5	9.5	10.0	9.5	13.0	12.0
8	23.0	20.5	16.5	15.0	11.0	10.0	10.0	9.5	9.5	9.0	13.5	11.5
9	22.5	19.5	17.0	14.5	10.0	9.0	11.5	10.0	10.0	8.0	14.0	12.5
10	22.5	19.5	16.5	15.5	10.0	9.0	10.5	8.0	11.0	9.0	15.5	13.5
11	23.0	20.0	---	---	12.0	10.0	8.0	7.0	13.0	10.5	17.5	15.5
12	23.0	20.5	---	---	13.5	12.0	7.0	6.5	13.5	12.5	18.5	17.0
13	22.5	21.0	---	---	13.5	12.0	8.5	6.5	14.5	12.5	19.0	17.0
14	23.0	21.5	---	---	12.5	11.0	12.5	9.5	16.0	13.0	18.5	17.0
15	23.5	22.0	---	---	11.5	10.5	13.0	11.0	14.5	13.0	19.5	19.0
16	23.0	21.5	---	---	11.0	9.5	11.0	9.0	14.0	12.0	20.5	19.5
17	21.5	20.5	---	---	11.5	10.0	9.0	7.5	15.5	12.0	21.0	20.0
18	21.0	19.5	---	---	12.0	11.0	7.0	5.5	15.5	13.0	23.0	20.5
19	20.5	19.5	---	---	12.5	11.5	5.5	4.5	16.5	14.5	23.5	22.5
20	20.0	19.0	---	---	14.5	12.5	5.5	4.5	16.0	14.0	23.0	22.0
21	19.5	18.0	---	---	13.0	10.5	6.0	4.5	16.5	13.5	23.5	22.5
22	19.0	18.0	---	---	10.5	10.0	6.5	5.5	16.0	14.5	22.5	21.0
23	19.5	17.5	13.0	12.0	10.0	9.0	7.0	6.0	16.0	15.5	22.0	20.0
24	20.5	18.5	13.5	12.5	9.5	8.5	8.0	7.0	16.5	15.0	21.5	20.5
25	21.0	19.5	13.5	12.0	15.5	9.5	8.5	7.0	18.0	15.5	21.5	20.0
26	21.0	19.5	15.0	13.0	16.0	12.5	8.5	7.5	18.0	17.5	23.0	21.0
27	19.5	17.5	16.0	15.0	13.5	12.5	---	---	17.5	16.0	24.5	22.5
28	17.5	16.5	15.5	9.5	13.0	12.5	---	---	16.5	15.0	23.0	21.0
29	16.5	15.5	10.0	7.0	12.5	11.5	---	---	---	---	22.0	21.5
30	18.5	16.5	7.5	5.0	12.5	11.0	---	---	---	---	23.0	21.5
31	17.0	16.0	---	---	12.5	10.5	---	---	---	---	22.5	16.5
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
1	17.5	15.5	---	---	---	---	32.0	30.5	33.5	31.0	27.5	26.5
2	17.5	16.0	---	---	---	---	33.0	31.0	32.0	30.5	28.5	27.0
3	20.0	17.5	---	---	---	---	33.0	31.0	32.0	30.5	28.5	27.5
4	21.0	20.0	---	---	---	---	33.0	30.5	31.5	30.5	28.0	26.5
5	---	---	---	---	---	---	---	---	32.5	30.5	27.5	26.0
6	---	---	---	---	---	---	---	---	31.5	30.5	26.5	25.5
7	---	---	---	---	---	---	---	---	32.0	30.5	27.0	25.5
8	---	---	---	---	---	---	---	---	32.5	30.5	27.0	26.5
9	---	---	---	---	---	---	---	---	31.5	30.5	27.0	26.5
10	---	---	---	---	---	---	---	---	31.5	30.5	27.0	24.0
11	---	---	---	---	---	---	---	---	31.0	30.0	27.0	25.5
12	---	---	---	---	---	---	---	---	30.0	29.5	27.0	26.0
13	---	---	---	---	---	---	---	---	29.5	27.5	26.5	26.0
14	---	---	---	---	---	---	---	---	29.5	28.5	26.0	24.5
15	---	---	---	---	---	---	---	---	29.0	28.5	26.0	25.0
16	---	---	---	---	---	---	---	---	30.5	29.5	26.0	25.0
17	---	---	---	---	---	---	---	---	30.0	29.0	26.5	25.5
18	---	---	---	---	---	---	---	---	29.5	27.0	27.0	25.5
19	---	---	---	---	---	---	31.5	30.5	29.0	27.0	26.5	26.0
20	---	---	---	---	---	---	30.5	25.5	28.5	26.5	26.5	25.5
21	---	---	---	---	---	---	29.5	25.5	27.5	26.5	27.0	25.5
22	---	---	---	---	---	---	31.0	29.5	27.0	25.5	27.5	26.0
23	---	---	---	---	---	---	31.5	30.5	26.0	25.5	28.5	26.5
24	---	---	---	---	---	---	32.0	30.0	26.0	25.5	28.5	27.0
25	---	---	---	---	---	---	32.0	30.5	26.5	25.5	28.5	27.5
26	---	---	---	---	---	---	32.5	30.5	27.0	26.5	28.5	27.5
27	---	---	---	---	---	---	31.0	29.5	27.0	26.5	29.0	28.0
28	---	---	---	---	32.0	30.5	32.0	30.0	27.0	26.5	29.5	28.0
29	---	---	---	---	32.0	30.5	32.0	30.5	27.5	26.5	29.5	28.0
30	---	---	---	---	32.0	30.0	32.5	31.0	27.5	26.5	29.5	28.0
31	---	---	---	---	---	---	33.0	31.0	27.5	26.5	---	---

07386935 VERMILION RIVER AT STATE HIGHWAY 3073, NEAR LAFAYETTE, LA--Continued

DISSOLVED OXYGEN (DO), MG/L, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH		
1	2.9	0.8	3.7	2.0	8.1	6.9	6.7	6.5	---	---	2.6	2.3
2	0.6	0.2	2.1	0.5	6.9	5.7	8.1	7.1	---	---	2.2	1.7
3	0.9	0.1	0.7	0.4	5.7	5.3	9.4	8.4	---	---	1.9	1.6
4	2.0	0.0	0.5	0.3	5.3	5.0	9.8	9.4	---	---	3.4	1.8
5	2.0	0.2	0.5	0.4	5.1	4.9	9.9	9.5	9.5	8.4	3.0	2.0
6	0.3	0.1	0.5	0.4	5.5	4.7	8.6	7.9	8.4	8.0	2.1	2.0
7	0.9	0.1	0.5	0.4	7.0	5.5	8.3	7.6	8.1	7.4	2.3	2.2
8	0.6	0.1	0.5	0.5	7.1	5.7	8.0	7.1	---	---	2.5	2.4
9	0.4	0.1	0.5	0.5	6.6	6.2	---	---	---	---	2.7	2.6
10	0.2	0.1	0.7	0.6	6.4	5.9	7.6	6.8	5.8	3.9	2.7	2.7
11	0.3	0.2	---	---	6.1	5.1	---	---	4.1	2.9	3.0	2.9
12	0.6	0.2	---	---	6.2	4.9	---	---	2.8	0.9	3.1	3.1
13	0.3	0.2	---	---	7.1	6.4	9.0	7.5	2.2	1.1	3.2	3.2
14	0.2	0.2	---	---	8.2	6.7	9.6	8.2	1.7	1.0	3.8	2.7
15	0.6	0.2	---	---	8.6	7.6	8.3	7.7	1.6	0.3	2.9	1.5
16	0.5	0.2	---	---	8.6	7.5	---	---	0.8	0.3	2.6	1.5
17	0.6	0.2	---	---	7.5	5.7	---	---	0.3	0.3	1.9	1.2
18	0.7	0.3	---	---	5.9	4.8	---	---	0.3	0.3	1.6	1.0
19	0.6	0.3	---	---	4.9	4.4	---	---	0.3	0.3	1.2	0.9
20	1.2	0.5	---	---	5.2	4.5	---	---	0.3	0.3	1.9	1.0
21	0.8	0.2	---	---	4.9	4.3	---	---	0.3	0.3	1.4	0.9
22	2.2	0.8	---	---	5.3	4.5	---	---	0.3	0.3	1.9	1.0
23	3.0	1.8	3.2	2.7	5.0	4.1	---	---	0.5	0.3	1.6	1.1
24	2.5	1.2	2.6	2.0	5.1	4.4	---	---	4.0	0.3	1.2	1.1
25	2.4	1.3	2.2	1.7	6.8	4.9	---	---	4.1	3.0	1.2	1.2
26	2.2	1.2	2.1	1.2	7.2	5.7	---	---	3.5	1.4	1.3	1.3
27	2.4	1.6	1.9	0.9	6.1	5.7	---	---	3.5	1.5	1.9	1.4
28	3.0	1.7	8.4	2.8	6.2	5.4	---	---	3.4	2.3	2.0	1.4
29	5.5	1.7	9.2	6.8	5.9	5.4	---	---	---	---	2.0	1.5
30	6.6	2.4	8.6	7.6	5.9	5.6	---	---	---	---	1.9	1.6
31	5.3	2.7	---	---	6.2	5.9	---	---	---	---	2.5	1.7
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER		
1	2.8	2.2	1.9	1.7	---	---	4.6	0.3	11.7	0.0	0.3	0.2
2	2.4	2.2	1.7	1.4	---	---	6.9	0.3	4.3	0.0	0.3	0.0
3	2.6	2.3	1.5	1.3	---	---	5.4	0.5	9.2	0.0	0.0	0.0
4	2.5	2.3	1.3	1.1	---	---	3.1	0.4	5.4	1.5	0.0	0.0
5	2.5	2.3	1.1	0.7	---	---	3.1	0.6	10.6	0.9	1.1	0.0
6	3.0	1.6	0.7	0.4	---	---	3.2	0.5	9.1	3.4	3.8	1.5
7	2.2	1.0	0.5	0.4	---	---	1.6	0.6	14.8	3.8	2.8	0.6
8	2.1	1.1	0.4	0.3	---	---	3.0	0.7	13.5	1.7	0.0	0.0
9	1.5	0.8	0.3	0.2	---	---	2.4	0.7	7.2	3.4	2.0	0.0
10	1.3	0.4	0.3	0.2	---	---	1.3	0.7	4.8	0.8	12.5	0.0
11	0.5	0.3	0.2	0.2	---	---	0.7	0.7	3.9	1.7	5.1	3.1
12	1.1	0.3	0.2	0.2	---	---	1.0	0.9	2.7	0.4	4.4	2.1
13	2.0	0.4	0.2	0.2	---	---	1.1	0.9	1.7	0.3	3.2	2.5
14	2.2	1.7	0.3	0.2	---	---	1.1	1.0	3.9	0.3	4.7	2.3
15	2.6	1.4	0.6	0.2	---	---	6.0	0.9	2.9	0.5	3.1	2.0
16	2.1	0.8	0.6	0.3	---	---	7.1	0.4	1.7	0.4	2.7	1.6
17	3.2	1.3	0.5	0.3	---	---	7.0	1.1	1.7	0.3	1.5	0.8
18	3.3	1.1	0.8	0.3	---	---	5.0	1.2	4.7	0.3	0.8	0.5
19	---	---	0.5	0.2	---	---	7.1	1.4	4.5	2.7	1.9	0.3
20	---	---	1.0	0.2	---	---	7.5	0.4	8.1	0.5	0.3	0.1
21	---	---	0.8	0.2	---	---	7.2	0.5	7.2	1.0	0.1	0.1
22	---	---	0.4	0.2	---	---	4.1	0.7	9.5	4.4	0.1	0.1
23	---	---	0.9	0.2	---	---	1.9	0.9	8.0	1.0	0.4	0.0
24	---	---	0.6	0.1	---	---	3.5	1.1	8.2	5.2	0.6	0.0
25	6.0	2.7	0.4	0.1	---	---	1.7	0.4	9.4	4.0	0.6	0.0
26	2.7	2.5	0.5	0.1	---	---	12.1	0.4	5.0	3.7	0.4	0.0
27	2.6	2.3	---	---	---	---	13.3	0.0	3.9	2.6	0.6	0.0
28	2.4	2.1	---	---	4.5	0.5	13.2	0.0	2.8	2.1	1.0	0.0
29	2.1	1.8	---	---	5.5	0.2	10.3	0.0	1.9	0.7	1.5	0.2
30	1.8	1.7	---	---	3.9	0.1	13.1	0.0	0.7	0.4	2.3	0.3
31	---	---	---	---	---	---	10.3	0.0	0.5	0.4	---	---

08011000 BAYOU PLAQUEMINE BRULE NEAR CROWLEY, LA

LOCATION.--Lat 30°14'09", long 92°23'44", in NW¼SW¼ sec.29, T.9 S., R.1 E., Louisiana meridian, Acadia Parish, Hydrologic Unit 08080201, at bridge on State Highway 100, 1.0 mi (1.6 km) downstream from bridge on State Highway 13, 1.5 mi (2.4 km) upstream from Missouri Pacific Railroad Co. bridge, and 1.8 mi (2.9 km) northwest of Crowley.

DRAINAGE AREA.--252 mi² (653 km²).

PERIOD OF RECORD.--October 1942 to September 1947. October 1965 to February 1975 (annual maximum gage height), and March 1975 to current year (gage heights only).

GAGE.--Water-stage recorder. Datum of gage is 1.11 ft (0.338 m) below mean sea level. October 1942 to September 1947 nonrecording gage at same site at datum 1.06 ft (0.323 m) lower, Oct. 1, 1965, to Mar. 1, 1975, crest-stage gage at same site, at datum 5.00 ft (1.524 m) higher.

REMARKS.--Large diversions below station for irrigation by pumping affect stage-discharge relation. Records include waste water from rice fields above station that were irrigated from ground-water supplies.

AVERAGE DISCHARGE.--5 years (1942-47), 545 ft³/s (15.43 m³/s).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 12,400 ft³/s (351 m³/s) July 7, 1946; maximum gage height, 21.90 ft (6.675 m) July 8, 1946, present datum; no flow at times in most years.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 19.08 ft (5.816 m) Apr. 23; minimum, not determined.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.56	---	3.17	2.85	3.31	2.58	5.90	4.82	2.30	2.19	2.66	4.10
2	2.54	2.43	3.02	2.79	2.67	2.62	4.01	4.64	2.38	2.20	2.56	4.06
3	2.53	2.46	2.91	4.28	3.64	2.71	2.87	4.22	2.28	2.13	2.46	3.94
4	2.53	2.41	2.78	4.09	7.49	4.49	2.92	4.02	2.42	2.10	2.50	3.74
5	2.57	2.29	2.68	3.14	7.47	5.06	2.74	3.92	2.34	2.10	2.54	3.67
6	2.25	2.39	2.63	2.87	4.81	2.93	2.48	3.82	2.01	2.25	2.53	3.66
7	2.39	2.37	4.32	3.15	3.22	2.72	2.49	3.57	2.14	2.15	2.53	3.60
8	2.22	2.28	4.24	2.91	3.05	2.66	2.48	3.30	2.18	2.17	2.53	3.52
9	2.14	2.37	3.00	2.98	2.95	2.69	2.39	3.09	---	2.14	2.55	3.56
10	2.21	2.33	2.99	2.82	2.90	2.79	2.43	3.12	---	2.36	2.53	4.47
11	2.34	2.31	2.98	2.69	2.82	2.91	2.39	3.08	---	2.36	2.51	6.80
12	---	1.81	3.08	2.68	2.95	2.92	2.42	3.15	---	2.45	2.68	4.62
13	---	2.06	5.01	2.75	2.64	2.75	2.36	3.09	---	2.40	2.76	3.80
14	---	2.26	4.21	8.05	2.62	2.64	2.29	3.05	---	2.41	2.84	4.78
15	---	2.37	6.29	9.87	2.38	2.64	2.27	2.97	---	2.43	2.84	5.41
16	---	2.37	5.39	9.98	2.45	2.57	2.32	2.96	4.08	2.51	2.83	4.22
17	---	2.35	3.70	8.26	2.58	2.54	2.32	3.01	3.18	2.58	2.80	3.78
18	---	2.35	3.41	4.60	2.60	2.86	2.35	2.91	3.04	2.58	2.99	3.59
19	---	2.42	3.28	3.93	2.50	2.63	2.41	2.90	2.97	2.62	3.01	3.50
20	---	6.09	3.66	3.72	2.38	2.30	6.27	2.79	2.87	2.72	2.86	3.40
21	---	5.24	3.29	3.52	2.48	2.52	14.09	2.85	2.72	2.79	5.26	3.35
22	---	3.23	3.08	3.35	2.56	2.06	18.13	2.79	2.61	2.75	6.57	3.27
23	---	2.95	3.05	3.16	2.83	2.22	19.03	2.68	2.50	2.68	8.70	3.19
24	---	2.88	3.00	3.12	2.63	2.47	18.45	2.93	2.42	2.64	8.56	3.22
25	---	2.79	3.16	2.95	2.53	2.49	17.00	2.66	2.46	2.59	8.50	3.18
26	---	2.80	7.55	2.82	2.81	2.35	14.65	2.60	2.43	2.50	8.62	3.17
27	---	2.78	7.59	2.75	3.56	2.73	11.71	2.59	2.29	2.72	7.17	3.11
28	---	3.11	4.56	2.72	2.68	3.17	8.49	2.55	2.22	2.79	5.98	3.04
29	---	6.31	3.42	2.15	---	2.77	6.81	2.52	2.14	2.84	4.94	3.03
30	---	4.81	3.29	2.47	---	2.59	5.78	2.42	2.23	2.80	4.34	3.00
31	---	---	3.18	3.36	---	2.86	---	2.24	---	2.76	4.25	---
MEAN	---	---	3.80	3.90	3.20	2.78	6.41	3.14	---	2.47	4.08	3.79
MAX	---	---	7.59	9.98	7.49	5.06	19.03	4.82	---	2.84	8.70	6.80
MIN	---	---	2.63	2.15	2.38	2.06	2.27	2.24	---	2.10	2.46	3.00

08012020 BAYOU NEZPIQUE AT MAMOU PUMPING PLANT, NEAR BASILE, LA

LOCATION.--Lat 30°25'10", long 92°35'40", in lot 19, T.7 S., R.2 W., Louisiana meridian, Acadia-Jefferson Parish line, 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 (sta 08012000).

DRAINAGE AREA.--542 mi² (1,404 km²).

PERIOD OF RECORD.--October 1973 to current year (gage heights only). Unpublished records March 1945 to September 1973 on file in Baton Rouge district office.

GAGE.--Nonrecording gage read twice daily. Datum of gage is 1.03 ft (0.314 m) below mean sea level (Louisiana Geodetic Survey bench mark).

EXTREMES FOR PERIOD OF RECORD.--Maximum daily gage height, 23.02 ft (7.016 m) Apr. 25, 1977; minimum daily, 2.35 ft (0.716 m) Oct. 28, 1976.

EXTREMES FOR CURRENT YEAR.--Maximum daily gage height, 23.02 ft (7.016 m) Apr. 25; minimum daily, 2.35 ft (0.716 m) Oct. 28.

REVISIONS.--Revised maximum gage heights for water years 1974-76 are given below. These figures supersede those published in reports for 1974-76.

Water year	Date	Gage height (feet)	Gage height (m)	Water year	Date	Gage height (feet)	Gage height (m)
1974	June 4, 1974	21.55	6.568	1976	Mar. 28, 1976	21.59	6.581
1975	Jan. 11, 12, 1975	22.77	6.940				

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977												
MEAN VALUES												
DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.86	6.12	8.43	10.43	7.47	6.10	6.50	19.48	3.10	3.16	5.65	13.72
2	5.95	5.36	7.91	7.46	10.89	5.40	5.98	18.58	3.10	3.18	5.14	10.89
3	4.88	4.12	6.16	6.01	12.62	5.20	5.46	17.62	2.92	3.07	4.94	8.17
4	3.77	3.34	5.26	8.26	14.12	7.66	6.52	16.51	2.89	3.19	4.82	6.14
5	3.30	3.06	3.06	9.45	15.70	11.48	10.54	15.57	2.90	2.96	4.65	5.63
6	3.00	3.04	3.30	8.27	16.68	14.78	12.34	14.60	2.80	3.32	4.54	5.07
7	2.91	2.98	9.49	7.41	16.72	15.80	13.76	13.17	2.59	3.87	4.38	4.74
8	2.88	2.78	13.90	6.64	16.16	15.74	13.28	9.78	2.58	3.65	4.22	5.03
9	2.81	2.92	15.18	7.14	15.38	15.20	10.89	7.10	2.76	3.55	4.02	6.14
10	2.80	2.82	16.25	8.88	13.37	14.38	7.53	5.12	2.74	3.90	3.74	7.30
11	2.82	2.85	16.29	10.75	11.16	13.53	5.78	4.56	2.74	4.10	3.65	9.52
12	2.83	2.71	14.11	12.62	8.29	11.65	4.63	4.46	2.92	4.50	3.56	8.14
13	2.90	2.72	13.30	12.31	6.00	8.64	4.58	4.27	3.55	4.90	3.60	7.34
14	2.88	3.47	13.76	14.91	5.22	6.08	4.39	4.05	5.62	5.50	3.62	6.79
15	2.75	4.60	14.80	17.54	4.73	4.44	4.28	3.96	9.25	5.81	3.66	6.54
16	2.68	5.18	15.61	19.50	4.38	4.17	4.25	3.83	10.99	5.43	3.70	6.65
17	2.60	5.50	15.40	19.95	4.10	3.98	4.84	3.66	10.74	4.90	3.64	6.70
18	2.62	5.91	14.43	20.37	3.86	4.40	6.88	3.64	8.88	4.58	3.61	6.56
19	2.66	6.13	12.70	19.75	3.70	4.34	8.31	3.62	6.48	4.15	3.59	6.40
20	2.46	6.54	10.81	19.31	3.33	3.98	10.40	3.55	4.34	4.00	3.70	6.00
21	2.59	7.10	9.23	18.98	3.24	3.94	16.51	3.50	4.00	4.58	5.08	5.66
22	2.67	7.11	8.00	18.36	3.23	3.00	20.29	3.58	3.86	5.26	7.13	5.40
23	2.72	6.64	7.20	15.99	3.38	2.76	22.20	3.46	3.64	5.68	12.90	5.02
24	2.76	6.06	6.80	13.97	3.44	3.06	23.00	3.37	3.52	5.80	15.78	4.44
25	2.66	4.24	7.50	10.98	3.49	3.35	23.02	3.40	3.46	4.75	17.89	4.13
26	2.63	4.32	11.00	7.65	3.58	3.29	22.96	3.32	3.35	4.44	18.90	4.05
27	2.48	4.47	14.26	6.10	4.26	3.66	22.10	3.34	3.20	5.46	19.09	3.98
28	2.35	5.66	15.51	4.52	5.66	4.43	21.46	3.34	3.10	6.40	18.77	3.98
29	2.38	6.16	15.46	3.82	---	5.26	20.76	3.29	3.02	6.56	18.06	3.94
30	4.36	7.83	14.76	4.13	---	6.73	20.17	3.32	2.95	6.66	17.57	3.80
31	5.86	---	13.12	5.18	---	7.83	---	3.28	---	6.28	16.50	---
MEAN	3.22	4.72	11.39	11.50	8.01	7.23	12.12	6.91	4.27	4.63	8.07	6.26
MAX	6.86	7.83	16.29	20.37	16.72	15.80	23.02	19.48	10.99	6.66	19.09	13.72
MIN	2.35	2.71	3.06	3.82	3.23	2.76	4.25	3.28	2.58	2.96	3.56	3.80

08012295 BAYOU QUEUE DE TORTUE SOUTHWEST OF LYONS POINT, LA

LOCATION.--Lat 30°03'08", long 92°25'26", in SW $\frac{1}{4}$ SW $\frac{1}{4}$ lot 39, T.11 S., R.1 W., Acadia-Vermilion Parish line, Hydrologic Unit 08080202, on right bank at pumping plant, 0.8 mi (1.3 km) downstream from Coulee des Isles, 3.8 mi (6.1 km) southwest of Lyons Point, and 8.9 mi (14.3 km) northwest of Kaplan.

DRAINAGE AREA.--158 mi² (409 km²).

PERIOD OF RECORD.--March 1976 to current year (gage heights and one discharge measurement).

GAGE.--Water-stage recorder. Datum of gage is 9.89 ft (3.014 m) below mean sea level (levels by Louisiana Department of Transportation and Development, Office of Public Works).

REMARKS.--No gage heights recorded below 12.40 ft (3.780 m).

EXTREMES FOR PERIOD OF RECORD.--Maximum gage height, 20.22 ft (6.163 m) Apr. 24, 1977; minimum not determined.

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 20.22 ft (6.163 m) Apr. 24; minimum, not determined.

Discharge measurement made during collection of record

Date	Discharge (ft ³ /s)	Discharge (m ³ /s)
April 22, 1977	4,270	121

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.56	14.12	16.48	14.30	14.43	14.12	14.47	16.15	12.82	13.22	13.87	15.15
2	13.51	13.97	15.84	14.06	14.45	14.01	14.67	15.60	12.75	13.33	13.71	14.80
3	13.41	13.79	15.26	14.68	14.50	13.90	14.57	15.17	12.65	13.38	13.59	14.41
4	13.28	13.60	14.78	15.07	15.11	14.12	14.38	14.77	12.78	13.42	13.48	14.12
5	13.13	13.41	14.41	14.88	15.10	14.49	14.27	14.40	13.13	13.43	13.51	13.90
6	13.00	13.19	14.15	14.58	14.82	14.59	14.19	14.12	13.27	13.88	13.97	13.80
7	12.88	13.04	14.72	15.06	14.55	14.62	14.11	13.89	13.22	14.18	14.00	13.67
8	12.78	12.92	15.15	15.18	14.33	14.47	14.04	13.73	13.01	14.23	13.88	13.63
9	12.68	12.75	14.98	14.88	14.18	14.27	13.98	13.53	12.98	14.12	13.73	13.55
10	12.61	12.56	14.67	14.80	14.05	14.15	14.03	13.38	13.02	14.38	13.67	14.15
11	12.53	12.50	14.43	14.59	13.94	14.07	13.97	13.12	13.04	14.75	13.55	15.26
12	12.48	12.63	14.65	14.35	13.89	14.03	13.92	12.99	13.06	14.83	13.60	15.63
13	12.42	12.67	15.23	14.14	13.85	14.06	13.85	13.04	13.64	14.72	14.24	15.35
14	---	13.34	15.57	15.43	13.79	14.01	13.81	13.08	14.62	14.69	14.18	15.45
15	---	13.95	16.15	16.63	13.72	13.97	13.80	13.14	15.32	14.88	14.45	16.27
16	---	14.09	16.33	16.77	13.65	13.93	13.83	13.14	15.19	15.07	14.23	16.26
17	---	14.03	15.88	16.19	13.57	13.88	13.85	13.18	14.79	14.84	14.03	15.85
18	---	13.81	15.38	15.52	13.48	13.85	13.80	13.12	14.43	14.58	13.90	15.41
19	---	13.77	14.88	14.97	13.48	13.80	13.72	13.06	14.17	14.45	14.02	14.92
20	---	14.86	14.84	14.59	13.45	13.75	14.73	13.07	13.95	14.38	14.43	14.53
21	---	15.58	15.28	14.30	13.40	13.71	18.59	13.10	13.75	14.26	14.76	14.20
22	---	15.48	15.10	14.08	13.37	13.62	19.89	13.14	13.57	14.12	15.06	13.93
23	---	15.08	14.78	13.92	13.33	13.48	20.17	13.17	13.41	14.01	15.68	13.70
24	---	14.68	14.52	13.88	13.35	13.43	20.20	13.01	13.30	13.90	16.12	13.48
25	---	14.36	14.32	13.74	13.38	13.51	20.04	12.93	13.22	13.78	16.15	13.28
26	---	14.10	15.82	13.62	13.38	13.62	19.66	13.30	13.18	13.68	16.25	13.09
27	---	13.92	16.49	13.54	13.97	13.68	19.13	13.48	13.22	14.40	16.43	12.95
28	---	14.65	16.20	13.47	14.13	13.88	18.93	13.52	13.17	14.53	16.48	12.89
29	---	16.35	15.58	13.40	---	14.03	17.63	13.48	13.10	14.40	16.27	12.78
30	13.52	16.82	15.02	13.33	---	14.02	16.87	13.41	13.15	14.24	15.85	12.68
31	14.10	---	14.61	13.89	---	13.98	---	13.09	---	14.06	15.35	---
MEAN	---	14.00	15.21	14.58	13.95	13.97	15.77	13.59	13.50	14.20	14.59	14.30
MAX	14.10	16.82	16.49	16.77	15.11	14.62	20.20	16.15	15.32	15.07	16.48	16.27
MIN	---	12.50	14.15	13.33	13.33	13.43	13.72	12.93	12.65	13.22	13.48	12.68

NOTE.--Gage height below lowest recordable stage (12.40 ft) Oct. 14-29.

08012470 BAYOU LACASSINE NEAR LAKE ARTHUR, LA

LOCATION.--Lat 30°04'12", long 92°52'43", in SE¼SE¼ 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 mean sea level (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, 11.90 ft (3.627 m) Sept. 16, 1971, present datum; minimum, 7.55 ft (2.301 m), occurred during period Feb. 21 to Mar. 30, 1976 (from recorded range in stage).

EXTREMES FOR CURRENT YEAR.--Maximum gage height, 10.95 ft (3.338 m) Apr. 23; minimum, 7.58 ft (2.310 m) Oct. 20.

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
INSTANTANEOUS OBSERVATIONS AT 0800

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.36	8.32	8.85	8.65	8.42	8.40	8.43	10.25	8.18	8.04	8.43	9.83
2	8.36	8.27	8.78	8.68	8.45	8.55	8.60	10.10	8.09	7.97	8.33	9.83
3	8.36	8.25	8.66	8.74	8.63	8.71	8.61	9.93	8.06	7.97	8.33	9.72
4	8.38	8.24	8.59	8.84	8.80	8.62	8.67	9.80	8.03	7.96	8.34	9.58
5	8.42	8.15	8.55	8.77	8.84	8.40	8.28	9.73	8.05	7.95	8.42	9.52
6	8.14	8.25	8.63	8.76	8.83	8.29	8.29	9.66	7.97	7.97	8.37	9.39
7	8.20	8.24	8.58	8.63	8.73	8.35	8.25	9.51	7.86	7.97	8.39	9.42
8	8.11	8.19	8.67	8.72	8.64	8.41	8.19	9.36	7.84	7.95	8.40	9.37
9	8.06	8.22	8.69	8.92	8.60	8.46	8.15	9.20	7.93	7.97	8.39	9.36
10	8.17	8.19	8.77	8.21	8.63	8.53	8.19	9.06	7.92	8.08	8.40	9.45
11	8.19	8.19	8.67	8.57	8.70	8.76	8.31	8.93	7.88	8.17	8.47	9.42
12	8.17	7.96	8.63	8.58	8.70	8.60	8.33	8.89	7.87	8.23	8.57	9.37
13	8.16	7.80	8.75	8.62	8.41	8.45	8.26	8.88	8.05	8.22	8.58	9.42
14	8.06	8.10	8.89	9.21	8.45	8.42	8.20	8.86	8.36	8.26	8.63	9.38
15	8.12	8.11	9.10	9.57	8.26	8.42	8.23	8.83	8.80	8.24	8.72	9.39
16	8.15	8.14	9.19	9.68	8.32	8.35	8.22	8.79	9.00	8.39	8.68	9.49
17	7.88	8.11	9.15	9.57	8.42	8.39	8.27	8.75	8.96	8.47	8.66	9.47
18	7.99	8.18	9.05	9.43	8.40	8.40	8.20	8.71	8.85	8.51	8.63	9.40
19	8.08	8.26	8.98	9.13	8.38	8.39	8.27	8.68	8.75	8.52	8.61	9.33
20	7.75	8.74	8.95	9.11	8.28	8.21	8.67	8.63	8.65	8.56	8.65	9.27
21	7.91	8.92	8.84	9.02	8.34	8.33	9.97	8.66	8.55	8.56	8.71	9.19
22	7.98	8.88	8.93	8.93	8.46	7.92	10.73	8.59	8.47	8.48	8.75	9.13
23	8.14	8.82	8.89	8.95	8.63	8.17	10.94	8.55	8.40	8.43	8.96	9.10
24	8.08	8.83	8.86	8.82	8.39	8.27	10.90	8.44	8.33	8.38	9.22	9.13
25	8.02	8.62	8.94	8.66	8.43	8.33	10.82	8.38	8.24	8.37	9.50	9.07
26	7.93	8.65	9.07	8.61	8.58	8.32	10.72	8.34	8.21	8.33	9.57	9.02
27	8.03	8.58	9.24	8.55	8.23	8.53	10.58	8.22	8.18	8.50	9.62	9.00
28	7.83	8.39	9.25	8.46	8.39	8.66	10.45	8.20	8.13	8.57	9.68	8.91
29	8.03	8.54	9.03	8.08	---	8.43	10.27	8.25	8.04	8.60	9.69	8.89
30	8.34	8.83	9.02	8.30	---	8.39	10.12	8.26	8.13	8.58	9.66	8.86
31	8.36	---	8.73	8.28	---	8.30	---	8.12	---	8.52	9.74	---
MEAN	8.12	8.37	8.87	8.81	8.51	8.41	9.07	8.92	8.26	8.28	8.81	9.32
MAX	8.42	8.92	9.25	9.68	8.84	8.76	10.94	10.25	9.00	8.60	9.74	9.83
MIN	7.75	7.80	8.55	8.08	8.23	7.92	8.15	8.12	7.84	7.95	8.33	8.86

CALCASIEU RIVER BASIN

08015900 CALCASIEU RIVER AT LAKE CHARLES, LA
(National stream-quality accounting network station)

LOCATION.--Lat 30°17'59", long 93°11'18", in NW¼NE¼ sec.9, T.9 S., R.8 W., Calcasieu Parish, Hydrologic Unit 08080206, at bridge on U.S. Highway 171, 5.1 mi (8.2 km) north of Lake Charles Post Office.

DRAINAGE AREA.--2,310 mi² (5,280 km²).

PERIOD OF RECORD.--Water years 1969, 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, 17,200 micromhos Oct. 30, 1976; minimum, 32 micromhos Aug. 10, 1975.

WATER TEMPERATURES: Maximum, 35.0°C June 2, 1977; minimum, 7.0°C Jan. 17-22, 1977.

EXTREMES FOR CURRENT YEAR.--

SPECIFIC CONDUCTANCE: Maximum, 17,200 micromhos Oct. 30; minimum, 39 micromhos May 12.

WATER TEMPERATURES: Maximum, 35.0°C June 2; minimum, 7.0°C Jan. 17-22.

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	STREP- TOCOCCEI (COL- ONIES PER 100 ML)	FECAL STREP- TOCOCCEI KF AGAR (COL. PER 100 ML)	HARD- NESS (CA+MG) (MG/L)
OCT 29...	1045	14600	8.0	16.0	20	3	7.9	2.2	110	940	--	1600
NOV 17...	0820	3110	6.9	11.0	50	40	7.7	1.6	500	1200	--	310
DEC 22...	1600	146	6.9	10.0	120	60	8.4	3.8	8870	6500	--	20
JAN 11...	1415	170	6.6	8.0	90	50	10.0	2.3	140	790	--	29
FEB 09...	1615	59	5.5	9.0	50	30	10.0	--	230	--	54	10
MAR 22...	1630	86	6.0	18.0	80	30	7.9	3.7	--	--	--	15
APR 18...	1500	64	5.6	24.5	120	45	6.4	1.5	820	--	240	10
MAY 18...	1345	48	6.2	26.5	70	10	7.5	2.4	815	--	828	9
JUN 07...	1715	89	7.0	30.0	55	30	6.8	1.1	840	--	890	14
JUL 20...	1200	147	7.2	30.0	30	10	7.5	1.4	<5	--	240	19
AUG 17...	1500	467	7.0	33.0	40	10	7.0	2.2	480	--	340	47
SEP 07...	1530	502	6.8	33.0	90	10	6.1	2.5	--	--	210	51

DATE	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)
OCT 29...	1500	110	320	2700	77	29	100	64	0	650	4900	.4
NOV 17...	290	24	61	470	75	12	22	26	0	120	900	.1
DEC 22...	8	4.0	2.4	18	62	1.8	2.9	14	0	9.3	31	.1
JAN 11...	15	7.0	2.8	21	59	1.7	2.6	17	0	9.2	36	.2
FEB 09...	4	2.2	1.0	7.0	58	1.0	1.2	7	0	5.3	9.9	.0
MAR 22...	6	3.5	1.4	11	59	1.3	1.8	10	0	5.3	16	.0
APR 18...	2	3.1	.6	6.9	55	.9	1.8	10	0	3.7	9.2	.0
MAY 18...	0	2.4	.8	4.6	48	.7	1.1	14	0	3.7	5.6	.0
JUN 07...	0	3.4	1.3	10	58	1.2	1.6	23	0	5.6	10	.0
JUL 20...	0	4.3	2.0	20	67	2.0	2.0	30	0	6.2	24	.1
AUG 17...	18	6.7	7.4	65	73	4.1	4.2	36	0	16	100	.1
SEP 07...	31	7.6	7.8	66	71	4.0	5.2	25	0	17	120	.1

08015900 CALCASIEU RIVER AT LAKE CHARLES, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED SILICA (SI02) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	TOTAL PHYTOPLANKTON (CELLS PER ML)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM	SUSPENDED SEDIMENT (MG/L)
OCT 29...	17	8770	8830	11.9	.08	.81	.89	3.9	.01	33	--	--
NOV 17...	13	1730	1620	2.35	.15	.93	1.1	4.8	.11	0	97	222
DEC 22...	7.7	104	82	.14	.07	1.0	1.1	4.7	.12	3500	92	85
JAN 11...	9.2	104	97	.14	.11	1.0	1.1	4.9	.12	750	100	87
FEB 09...	5.9	52	36	.07	.04	.56	.60	2.7	.06	120	--	--
MAR 22...	8.3	76	52	.10	.04	1.1	1.1	5.0	.07	--	95	83
APR 18...	11	63	41	.09	.10	.83	.93	4.1	.11	--	67	60
MAY 18...	8.6	23	34	.03	.06	.82	.88	3.9	.10	7300	64	43
JUN 07...	19	69	62	.09	.03	.66	.69	3.1	.11	--	100	18
JUL 20...	23	104	97	.14	.01	.32	.33	1.5	.07	--	67	41
AUG 17...	19	252	236	.34	.03	.62	.65	2.9	.14	--	82	60
SEP 07...	13	266	249	.36	.05	.76	.81	3.6	.12	--	84	49

DATE	TOTAL ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL COBALT (CO) (UG/L)	DIS-SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)
OCT 29...	1	1	0	0	30	0	0	0	3	2	230	20
JAN 11...	1	0	0	0	20	0	2	0	10	10	3400	150
APR 18...	2	0	0	0	10	10	0	0	7	7	2300	140
JUL 20...	1	1	0	0	10	1	0	0	10	10	630	140

DATE	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT 29...	4	0	340	300	.0	.0	0	0	20	10	3.2
JAN 11...	4	0	60	50	.0	.0	1	0	70	70	11
APR 18...	10	0	150	90	.3	.0	0	0	20	20	7.3
JUL 20...	3	3	50	30	.0	.0	0	0	20	10	5.1

DATE	TOTAL PCB (UG/L)	POLY-CHLORINATED NAPHTHALENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ATRA-ZINE (UG/L)	ATRA-ZINE IN BOTTOM MATERIAL (UG/KG DRY SOLIDS)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL ODD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)
DEC 22...	.0	.00	.00	--	--	--	.0	--	.00	--
JAN 11...	--	--	ND	ND	ND	ND	ND	2	ND	ND
FEB 09...	--	--	ND	--	ND	--	ND	--	ND	--

CALCASIEU RIVER BASIN

08015900 CALCASIEU RIVER AT LAKE CHARLES, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL DDE (UG/L)	P,P' DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)
DEC 22...	.00	--	.00	--	.00	--	.00	--	.00	--
JAN 11...	ND	.1	ND	ND	.23	ND	ND	.3	ND	ND
FEB 09...	ND	--	ND	--	ND	--	ND	--	ND	--

DATE	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THON (UG/L)	MALA- THON IN BOTTOM MA- TERIAL (UG/KG)
DEC 22...	.00	--	.00	--	.00	--	.00	--	.00	--
JAN 11...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 09...	ND	--	ND	--	ND	--	ND	--	ND	--

DATE	TOTAL METH- CHLOR (UG/L)	METHOX- YCHLOR IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THON (UG/L)	METHYL PARA- THON IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THON (UG/L)	METHYL TRI- THON IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL PARA- THON (UG/L)	PARA- THON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)
DEC 22...	--	--	.00	--	.00	--	.00	--	0	--
JAN 11...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 09...	ND	--	ND	--	ND	--	ND	--	ND	--

DATE	TOTAL TRI- THON (UG/L)	TRI- THON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	2,4-D IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4,5-T (UG/L)	2,4,5-T IN BOTTOM MA- TERIAL (UG/KG)	TOTAL SILVEX (UG/L)	SILVEX IN BOTTOM MA- TERIAL (UG/KG)	SIMA- ZINE TOTAL (UG/L)	SIMA- ZINE IN BOTTOM MATERI- AL (UG/ KG DRY SOLIDS)
DEC 22...	.00	--	.00	--	.00	--	.00	--	--	--
JAN 11...	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
FEB 09...	ND	--	ND	--	ND	--	ND	--	ND	--

08015900 CALCASIEU RIVER AT LAKE CHARLES, LA--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C), WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6580	6240	---	47	521	---	---	56	77	122	162	828
2	6640	6400	1610	73	1380	269	83	53	73	131	162	830
3	6610	6540	1520	73	1380	1380	82	54	72	128	163	1390
4	6610	6560	2350	253	735	549	82	59	76	122	165	1380
5	8260	5840	2350	237	345	284	81	56	77	123	166	1380
6	7300	8830	3760	239	344	285	113	51	81	108	165	1400
7	7300	8780	611	132	148	54	101	58	80	108	172	524
8	8310	8860	608	305	100	52	101	54	173	109	312	428
9	8540	8740	292	307	59	54	74	121	174	109	305	373
10	8560	7460	121	297	59	47	75	122	174	109	323	412
11	8510	7460	289	292	41	55	57	42	174	128	318	414
12	8500	7440	228	364	51	71	58	39	174	128	456	170
13	8510	6230	266	364	53	71	57	42	174	128	524	169
14	7630	3870	133	364	58	166	63	45	174	128	521	747
15	7620	3050	174	56	58	164	58	46	174	128	564	518
16	8800	6210	90	52	54	312	61	48	174	146	568	398
17	8780	3770	174	50	63	53	58	44	173	143	466	282
18	8260	6430	88	66	72	78	60	47	176	147	287	282
19	9970	3770	48	78	65	---	61	49	173	147	286	196
20	10100	5690	47	78	63	---	62	174	---	145	320	138
21	10000	5680	138	46	375	85	86	65	174	153	320	177
22	14800	3810	159	66	374	80	108	56	151	155	361	138
23	15900	3820	162	67	370	90	81	51	141	153	362	138
24	15900	3800	87	67	462	126	82	47	148	152	141	177
25	15200	3800	173	53	1160	50	63	62	137	157	125	180
26	15200	3820	121	56	248	54	62	62	135	158	102	159
27	15500	3810	172	57	246	55	46	74	129	158	110	153
28	15600	3800	89	76	344	72	51	74	126	160	285	138
29	15300	1860	167	73	---	68	53	74	122	157	286	180
30	17200	1420	225	74	---	98	53	73	127	159	286	718
31	6290	---	68	399	---	101	---	74	---	159	285	---

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	27.0	18.0	---	8.0	8.0	---	---	21.0	32.0	30.5	31.5	29.0
2	27.0	17.5	10.0	8.0	9.0	16.0	20.0	22.0	35.0	31.5	32.0	28.0
3	28.0	18.5	11.0	8.0	9.0	16.0	20.0	22.0	33.0	31.0	32.0	29.0
4	27.0	19.0	11.0	9.0	9.0	16.0	20.0	23.0	32.5	31.5	32.0	29.0
5	25.0	27.0	11.5	9.0	10.0	14.0	20.0	23.5	32.0	31.5	32.0	30.0
6	25.0	18.5	11.0	9.5	9.5	14.0	21.5	23.5	33.0	31.5	32.5	28.0
7	25.0	18.0	11.0	9.0	9.5	12.5	23.5	23.0	29.0	31.5	33.0	31.5
8	23.0	17.5	11.0	9.0	9.0	15.0	23.0	23.5	29.0	31.5	33.0	28.0
9	23.0	17.0	11.0	9.0	10.0	14.0	21.0	23.5	29.0	30.5	33.0	28.0
10	23.0	17.0	11.0	8.0	10.0	14.5	21.0	24.0	29.5	31.0	33.0	30.0
11	24.0	16.5	11.5	8.0	10.5	16.0	21.0	24.0	29.0	30.0	31.0	30.0
12	24.0	15.0	11.0	8.5	10.5	16.0	21.0	24.0	29.5	30.5	30.0	28.0
13	24.0	18.5	12.0	8.0	12.5	15.5	21.0	24.0	28.5	30.0	30.0	27.5
14	23.5	11.5	11.0	8.0	12.5	17.5	21.0	24.5	29.0	31.5	31.0	27.0
15	23.0	12.0	10.5	8.0	12.0	19.0	21.0	25.0	30.0	30.0	29.0	28.0
16	20.0	14.0	10.0	7.5	13.0	19.5	21.0	25.5	31.0	30.0	30.0	27.0
17	18.0	13.5	10.0	7.0	14.0	18.0	21.5	26.0	31.0	30.5	32.5	27.0
18	22.0	12.0	11.0	7.0	14.0	20.0	24.0	27.0	31.5	30.5	30.0	27.0
19	22.0	13.0	11.0	7.0	13.0	---	21.0	28.0	31.0	31.0	30.0	27.0
20	20.0	13.0	11.0	7.0	13.0	---	21.5	32.0	---	31.0	29.0	25.5
21	20.0	13.0	11.0	7.0	12.5	18.0	20.0	26.5	30.0	31.0	30.0	30.0
22	20.5	13.5	11.0	7.0	14.0	18.5	21.0	27.0	32.0	32.0	28.0	28.0
23	21.0	13.5	11.0	7.5	15.0	19.0	20.0	27.0	32.0	34.0	28.0	28.5
24	21.0	14.0	10.5	8.0	14.5	15.0	21.5	27.0	32.5	34.0	30.0	28.5
25	21.0	14.0	10.5	9.0	16.0	17.5	21.0	29.0	31.0	33.0	30.0	28.0
26	21.0	14.5	11.0	8.0	13.0	17.0	21.0	30.0	31.0	33.0	29.0	30.0
27	19.0	15.0	10.0	8.0	13.0	17.0	21.0	30.0	30.5	34.0	29.0	30.0
28	20.0	15.0	10.0	11.0	16.0	18.0	21.0	29.5	31.0	34.0	29.0	29.0
29	15.0	11.5	9.5	9.0	---	18.5	21.0	29.0	31.5	33.0	28.5	28.0
30	18.0	10.0	9.0	8.5	---	21.0	21.0	29.0	30.0	33.0	28.0	28.0
31	15.0	---	9.0	10.0	---	17.5	---	29.0	---	33.0	28.0	---

08015900 CALCASIEU RIVER AT LAKE CHARLES, LA--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

OCT. 29, 1976 1045 HOURS

PHYTOPLANKTON 33 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHRYSTOPHYTA		
.BACILLARIOPHYCEAE		
..PENNALES		
...ACHNANTHACEAE		
....COCCONIES	8	25
EUGLENOPHYTA		
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....TRACHELOMONAS	8	25
PYRRHOPHYTA		
.DINOPHYCEAE		
..PERIDINIALES		
...PERIDINIAEAE		
....PERIDINIUM	16	50

NOV. 17, 1976 0820 HOURS

PHYTOPLANKTON -- NO ORGANISMS REPORTED --

DEC. 22, 1976 1600 HOURS

PHYTOPLANKTON 3,500 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
....ANKISTRODESMUS	26	1
..ZYGEMATALES		
...DESMIDIACEAE		
....CLOSTERIUM		0
CHRYSTOPHYTA		
.BACILLARIOPHYCEAE		
..CENTRALES		
...COSCONODISCACEAE		
....CYCLOTELLA	51	1
..PENNALES		
...NAVICULACEAE		
....NAVICULA	26	1
CYANOPHYTA		
.MYXOPHYCEAE		
..OSCILLATORIALES		
...OSCILLATORIAEAE		
....OSCILLATORIA	3,400	97

JAN. 11, 1977 1415 HOURS

PHYTOPLANKTON 750 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
.CHLOROPHYCEAE		
..CHLOROCOCCALES		
...OOCYSTACEAE		
....ANKISTRODESMUS	250	33
...SCENEDESMACEAE		
....SCENEDESMUS	330	44
CHRYSTOPHYTA		
.BACILLARIOPHYCEAE		
..PENNALES		
...NAVICULACEAE		
....PINNULARIA	83	11
...NITZSCHIAEAE		
....NITZSCHIA	42	6
EUGLENOPHYTA		
.CRYPTOPHYCEAE		
..CRYPTOMONIDALES		
...CRYPTOCHRYSIDACEAE		
....CHROOMONAS		0
.EUGLENOPHYCEAE		
..EUGLENALES		
...EUGLENACEAE		
....EUGLENA	42	6

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) above mean sea level (Louisiana Geodetic Survey bench mark). Oct. 13, 1953, to Mar. 8, 1956, nonrecording gage at site 100 ft (30 m) downstream at same datum.

REMARKS.--Records good. Records of water temperatures for water year 1977 are published under miscellaneous water-quality sites in this report.

AVERAGE DISCHARGE.--21 years, 231 ft³/s (6.542 m³/s), 17.72 in/yr (450 mm/yr), 167,360 acre-ft/yr (206 hm³/yr).

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 11,200 ft³/s (317 m³/s) Oct. 28, 1970, gage height, 17.63 ft (5.374 m); no flow at times most years.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 1,980 ft³/s (53.2 m³/s) Jan. 15, gage height, 13.89 ft (4.234 m); minimum, no flow many days.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13	103	297	233	101	13	548	35	.30	.04	0	48
2	8.3	71	264	122	133	12	534	46	.29	.01	0	43
3	5.3	45	155	178	186	57	529	38	.23	0	0	47
4	3.5	26	67	302	253	354	411	38	.15	0	0	47
5	2.6	15	41	428	407	903	260	38	.08	0	0	27
6	2.1	8.9	54	418	509	917	192	29	.03	0	0	15
7	1.7	6.0	201	360	535	779	148	19	.02	0	0	9.1
8	1.4	4.0	488	286	527	667	95	13	0	0	0	6.2
9	1.2	2.8	664	243	544	527	53	9.8	0	0	0	6.2
10	1.0	6.9	624	314	514	339	31	8.4	0	0	0	8.1
11	.83	16	518	522	301	166	20	5.6	0	0	0	22
12	.69	49	568	590	151	166	14	4.2	.21	0	0	69
13	.59	61	1040	608	105	326	9.9	3.3	1.1	0	0	62
14	.48	87	1340	1240	97	468	7.6	2.6	1.8	0	32	56
15	.44	89	1330	1910	98	452	6.1	2.1	2.7	0	79	49
16	4.6	76	1260	1750	83	413	5.1	1.8	7.0	0	64	50
17	3.2	58	1150	1480	63	360	4.1	1.5	80	0	33	43
18	1.8	46	965	1140	47	227	7.4	1.3	91	0	18	25
19	2.2	72	713	845	37	90	32	1.1	50	0	11	17
20	2.1	172	617	639	31	48	57	.97	25	0	8.1	13
21	1.8	269	764	377	26	34	277	.87	11	.04	7.1	10
22	1.6	307	879	177	22	26	768	.86	5.6	.01	7.9	8.5
23	1.3	231	741	94	21	19	1080	.71	2.9	0	15	7.6
24	1.2	130	579	75	19	15	1180	.58	1.8	0	51	6.9
25	1.3	59	457	67	17	18	1020	.48	1.1	0	86	9.5
26	1.1	40	448	61	16	24	781	.42	.75	0	99	9.1
27	.97	37	615	59	15	44	549	.35	.47	0	115	6.7
28	.84	57	650	58	14	185	236	.31	.31	0	104	4.6
29	8.1	133	579	53	---	489	59	.26	.22	0	107	3.1
30	44	212	492	48	---	631	28	.23	.12	0	96	2.3
31	94	---	390	72	---	597	---	.27	---	0	63	---
TOTAL	213.24	2489.6	18950	14749	4872	9366	8942.2	304.01	284.18	.10	996.1	730.9
MEAN	6.88	83.0	611	476	174	302	298	9.81	9.47	.003	32.1	24.4
MAX	94	307	1340	1910	544	917	1180	46	91	.04	115	69
MIN	.44	2.8	41	48	14	12	4.1	.23	0	0	0	2.3
CFSM	.04	.47	3.45	2.69	.98	1.71	1.68	.06	.05	0	.18	.14
IN.	.04	.52	3.98	3.10	1.02	1.97	1.88	.06	.06	.00002	.21	.15
AC-FT	423	4940	37590	29250	9660	18580	17740	603	564	.2	1980	1450

CAL YR 1976 TOTAL 74689.87 MEAN 204 MAX 5330 MIN .16 CFSM 1.15 IN 15.70 AC-FT 148100
WTR YR 1977 TOTAL 61897.33 MEAN 170 MAX 1910 MIN 0 CFSM .96 IN 13.01 AC-FT 122800

CALCASIEU RIVER BASIN

08016800 BEAR HEAD CREEK NEAR STARKS, LA--Continued

GAGE HEIGHT, IN FEET, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8.00	9.93	11.28	10.99	9.86	8.08	11.94	8.56	7.18	7.09	6.80	8.85
2	7.87	9.37	11.16	10.15	10.26	8.06	11.91	8.81	7.17	7.05	6.77	8.74
3	7.74	8.82	10.50	10.67	10.75	8.96	11.89	8.63	7.14	7.02	6.75	8.83
4	7.64	8.38	9.36	11.28	11.12	11.39	11.61	8.64	7.10	6.99	6.72	8.82
5	7.59	8.10	8.83	11.66	11.60	12.60	11.14	8.62	7.06	6.98	6.73	8.37
6	7.55	7.92	9.05	11.63	11.85	12.63	10.80	8.41	7.03	6.98	6.73	8.06
7	7.51	7.81	10.82	11.47	11.91	12.39	10.41	8.16	7.02	6.96	6.72	7.86
8	7.48	7.72	11.79	11.24	11.89	12.18	9.76	8.00	6.99	6.94	6.69	7.74
9	7.44	7.66	12.17	11.08	11.93	11.89	9.00	7.89	6.96	6.93	6.67	7.73
10	7.41	7.83	12.09	11.32	11.86	11.40	8.53	7.83	6.93	6.93	6.67	7.82
11	7.38	8.22	11.87	11.88	11.27	10.56	8.27	7.71	6.91	6.92	6.69	8.17
12	7.35	9.01	11.97	12.02	10.44	10.58	8.10	7.64	7.05	6.91	6.77	9.29
13	7.32	9.26	12.80	12.05	9.92	11.35	7.98	7.59	7.38	6.89	6.91	9.15
14	7.29	9.74	13.22	13.07	9.80	11.76	7.89	7.54	7.44	6.87	8.31	9.03
15	7.28	9.78	13.20	13.83	9.81	11.72	7.82	7.50	7.60	6.85	9.49	8.88
16	7.69	9.56	13.12	13.68	9.57	11.62	7.77	7.47	7.67	6.84	9.19	8.89
17	7.62	9.20	12.98	13.38	9.20	11.47	7.73	7.44	9.48	6.83	8.52	8.74
18	7.52	8.95	12.70	12.95	8.87	10.95	7.84	7.42	9.69	6.81	8.14	8.31
19	7.56	9.47	12.27	12.51	8.66	9.66	8.55	7.38	8.90	6.84	7.91	8.09
20	7.55	10.72	12.08	12.12	8.51	8.89	9.01	7.36	8.30	6.96	7.82	8.00
21	7.52	11.18	12.36	11.50	8.40	8.59	11.12	7.34	7.93	7.08	7.78	7.89
22	7.50	11.31	12.57	10.64	8.33	8.40	12.36	7.33	7.71	7.06	7.80	7.84
23	7.47	11.02	12.32	9.75	8.29	8.25	12.87	7.30	7.56	7.02	8.06	7.80
24	7.45	10.25	12.00	9.41	8.24	8.16	13.01	7.27	7.48	7.00	8.91	7.77
25	7.46	9.22	11.73	9.25	8.20	8.23	12.77	7.24	7.40	6.97	9.61	7.87
26	7.43	8.82	11.71	9.13	8.17	8.36	12.39	7.22	7.34	6.94	9.82	7.86
27	7.40	8.74	12.07	9.09	8.14	8.80	11.93	7.20	7.27	6.92	10.08	7.76
28	7.38	9.14	12.14	9.07	8.11	10.59	10.92	7.18	7.22	6.90	9.91	7.66
29	7.72	10.30	12.00	8.96	---	11.79	9.08	7.16	7.17	6.87	9.96	7.58
30	8.79	10.92	11.81	8.86	---	12.10	8.39	7.14	7.13	6.85	9.77	7.52
31	9.78	---	11.55	9.35	---	12.03	---	7.16	---	6.83	9.18	---
MEAN	7.64	9.28	11.79	11.10	9.82	10.43	10.09	7.68	7.51	6.94	8.00	8.23
MAX	9.78	11.31	13.22	13.83	11.93	12.63	13.01	8.81	9.69	7.09	10.08	9.29
MIN	7.28	7.66	8.83	8.86	8.11	8.06	7.73	7.14	6.91	6.81	6.67	7.52

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.--October 1974 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1976 to current year.

CHLORIDE: October 1974 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

CHLORIDE: Maximum daily, 11,000 mg/L Nov. 9, 18, 1977; minimum daily, 4.4 mg/L May 7, 14, 1975.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 31.5°C Aug. 10, 11; minimum daily, 6.50°C Jan. 20, 21, 25.

CHLORIDE: Maximum daily, 11,000 mg/L Nov. 9, 18; minimum daily, 8.0 mg/L Apr. 27.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	25.5	18.5	12.5	---	7.5	14.0	18.0		27.5	28.0	29.5	28.5
2	---	17.5	12.5	---	8.0	14.5	20.0		27.5	28.5	30.0	27.0
3	---	17.0	---	9.0	9.0	16.0	20.0		27.0	28.5	29.0	27.0
4	26.5	17.5	---	9.0	9.0	15.5	20.5		27.0	28.5	30.0	28.5
5	26.5	16.5	---	9.0	---	15.0	19.5		26.5	29.0	29.0	28.0
6	25.5	---	12.5	9.0	---	14.5	19.0		27.0	29.0	29.0	29.0
7	25.0	---	11.0	7.5	9.5	14.0	19.0		27.0	29.5	29.0	28.5
8	24.0	17.0	11.5	---	9.5	14.0	20.0		27.0	29.0	28.0	28.5
9	---	16.5	11.0	---	9.5	13.0	19.5		27.0	29.5	30.0	28.0
10	---	17.0	12.0	7.5	10.0	14.5	19.0		27.0	28.5	31.5	28.0
11	---	17.5	---	8.0	10.5	16.0	21.0		26.5	29.0	31.5	28.5
12	24.0	17.0	---	8.5	---	14.5	21.0		27.0	28.5	29.5	28.0
13	24.5	---	12.0	8.5	---	14.5	21.0		27.0	28.0	29.0	28.0
14	27.0	---	12.5	9.0	11.5	14.5	21.0		26.5	28.5	29.0	27.0
15	24.0	14.0	12.5	---	11.5	17.0	21.0		26.0	29.0	29.0	28.0
16	---	15.0	12.0	---	11.5	17.0	21.5		25.5	29.0	29.0	27.0
17	---	14.5	11.5	8.0	12.0	18.0	21.5		26.5	---	29.0	27.0
18	22.0	15.5	---	7.0	12.5	18.0	21.5		26.5	29.0	29.0	27.5
19	22.0	15.0	---	7.0	---	18.0	29.0		27.0	29.0	29.0	28.0
20	21.0	---	12.5	6.5	---	21.0	21.0		27.0	28.5	29.0	26.0
21	20.0	---	11.0	6.5	---	18.0	21.0		27.0	28.0	29.0	26.0
22	20.5	13.0	11.0	---	13.0	18.5	20.0		27.0	28.0	28.5	26.5
23	21.0	13.5	11.5	---	14.5	18.0	19.0		27.0	29.0	27.5	27.0
24	---	14.0	---	7.0	14.0	18.0	19.0		27.0	29.0	26.5	27.0
25	---	---	---	6.5	15.0	18.0	19.0		26.0	30.0	27.0	28.0
26	---	14.5	---	7.0	---	17.5	20.0		27.5	29.5	26.5	28.0
27	20.0	---	11.5	8.0	---	18.5	20.0		25.0	28.0	27.0	28.0
28	19.0	---	12.0	9.0	15.0	18.0	20.0		26.0	29.5	28.0	28.0
29	18.0	12.0	11.0	---	---	19.0	20.0		26.5	30.0	27.0	28.5
30	---	13.0	11.5	---	---	19.5	20.0		28.0	29.0	27.0	28.0
31	---	---	---	7.0	---	18.5	---		---	29.0	28.0	---

CALCASIEU RIVER BASIN

301513093130500 CALCASIEU RIVER EAST OF SALT WATER BARRIER AT LAKE CHARLES, LA (CE 73472)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	110	---	240	---	---	600	7.0	88	74	64	20	180
2	2800	---	1100	120	21	460	8.0	57	24	70	18	310
3	4700	23	740	---	23	190	6.0	230	18	50	67	170
4	---	30	2900	---	14	100	7.0	95	36	60	30	140
5	---	37	3100	130	19	260	7.0	140	7.0	50	---	250
6	4600	46	---	1100	20	160	10	4600	16	55	68	110
7	4900	36	---	380	---	380	7.0	1700	17	750	43	160
8	7700	---	6400	490	---	220	7.0	2800	36	750	38	4100
9	7400	---	1700	300	74	340	17	1300	16	26	38	4000
10	7100	520	2400	---	140	340	19	1200	50	1400	190	3800
11	---	1500	3900	---	180	320	7.0	47	30	1400	35	1700
12	---	2600	240	670	340	160	92	45	20	1200	41	4800
13	---	240	---	1700	480	180	730	24	24	16	53	2000
14	5400	640	---	940	---	320	25	20	18	22	45	1400
15	6900	---	1400	2700	---	120	30	15	86	26	29	1600
16	5500	---	2900	5300	---	310	580	16	950	28	71	1200
17	1900	4400	4700	---	1100	53	490	12	130	31	44	2200
18	---	6500	1300	---	1500	22	800	14	690	33	5200	1900
19	---	6100	4600	4500	620	13	960	19	890	29	4400	2000
20	1000	5700	---	4000	720	71	380	25	51	28	4400	3500
21	1000	3900	---	2600	---	12	160	14	720	290	4400	3200
22	2400	---	6000	3000	---	16	120	28	780	250	4200	3300
23	2400	---	6900	3700	340	16	180	19	31	250	4000	5000
24	2700	4600	6600	---	440	280	280	21	350	210	---	4900
25	---	1300	---	---	520	580	130	1400	400	32	260	4600
26	---	6600	---	1800	360	22	76	1800	40	28	150	4500
27	---	---	---	240	780	18	54	420	33	34	81	4200
28	260	770	---	94	---	10	22	40	36	1500	59	5900
29	270	---	300	160	---	9.0	44	1500	52	90	140	4000
30	30	---	140	36	---	11	38	120	52	1200	190	6300
31	25	---	140	---	---	12	---	1600	---	1200	130	---

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5500	8900	5700	---	630	---	38	---	71	200	750	5500
2	---	8400	7300	---	5200	470	34	---	270	200	240	1000
3	---	6100	---	400	7000	900	39	---	510	1600	240	5200
4	7800	9100	---	420	800	980	30	---	380	1700	250	2200
5	9200	8900	---	390	---	610	190	---	250	340	1500	2600
6	7800	---	8900	370	---	140	130	---	280	610	500	1100
7	8500	---	2300	420	280	50	220	---	320	760	850	860
8	8600	9500	1200	---	170	55	250	---	94	620	950	720
9	---	11000	480	---	180	35	73	---	3400	480	940	710
10	---	10000	1400	660	230	30	78	---	3300	500	4300	450
11	---	9600	---	460	240	10	26	---	600	680	4400	780
12	8600	5800	---	390	---	40	180	---	3000	800	4600	370
13	9500	---	650	280	---	40	44	---	3500	260	5600	510
14	7500	---	300	1100	86	10	45	---	880	350	5100	280
15	8800	5600	230	---	120	10	58	---	780	350	1400	470
16	---	5800	170	---	130	30	80	---	440	240	1500	390
17	---	9200	120	23	380	22	86	---	280	270	930	380
18	10000	11000	---	16	490	68	93	---	160	320	1200	380
19	9700	9300	---	15	---	58	80	---	86	100	1200	400
20	9600	---	170	22	---	68	44	---	94	4100	860	320
21	8200	---	130	23	---	240	160	---	76	200	780	1600
22	8700	2100	88	22	570	38	25	---	60	3700	580	1400
23	9800	5200	84	---	770	22	26	---	46	240	400	3800
24	---	6500	---	22	480	14	18	---	57	400	480	6000
25	---	---	---	50	550	11	14	---	84	330	230	1600
26	---	7500	---	70	---	68	8.8	---	120	280	98	1600
27	9200	---	150	78	---	42	8.0	---	180	240	1000	1000
28	9200	---	94	300	490	680	16	---	230	640	130	370
29	10000	1400	100	---	---	230	60	---	1200	580	98	710
30	---	4700	80	---	---	280	130	---	1500	910	220	1300
31	---	---	---	760	---	62	---	---	---	2200	470	---

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.--October 1974 to current year.

PERIOD OF DAILY RECORD.--

WATER TEMPERATURES: October 1976 to current year.

CHLORIDE: October 1974 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

CHLORIDE: Maximum daily, 17,000 mg/L Oct. 6, 1975; minimum daily, 4.4 mg/L May 7, 14, 1975.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 31.0°C Aug. 10, 11; minimum daily, 6.5°C Jan. 20, 21, 25.

CHLORIDE: Maximum daily, 10,000 mg/L Oct. 29, Nov. 9, 10, 18; minimum daily, 8.0 mg/L Apr. 27.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.5	18.5	12.5	---	7.5	14.0	18.5		28.0	28.5	30.0	28.5
2	---	17.5	12.0	---	8.0	14.5	20.0		28.0	28.5	30.0	27.0
3	---	17.0	---	9.0	9.0	14.5	20.0		27.5	28.5	30.0	27.0
4	26.5	16.5	---	9.0	9.0	15.0	20.5		28.0	28.5	30.0	28.0
5	26.5	17.5	---	9.0	---	15.0	19.0		26.5	28.0	29.0	28.0
6	25.5	---	12.5	9.0	---	14.5	19.5		28.0	28.0	29.5	28.5
7	25.0	---	11.0	7.5	9.5	14.0	19.0		27.0	28.5	29.0	28.0
8	24.0	17.0	11.5	---	9.5	14.0	19.5		27.0	28.0	29.0	28.5
9	---	16.5	11.0	---	9.5	14.0	19.5		27.0	28.5	30.0	28.5
10	---	17.0	12.0	7.5	10.0	15.0	19.5		27.0	28.0	31.0	28.0
11	---	17.5	---	8.0	10.5	20.0	24.0		27.0	29.0	31.0	28.5
12	24.0	17.0	---	8.5	---	14.5	20.5		27.0	28.0	29.0	29.0
13	24.5	---	12.0	8.5	---	14.5	20.5		26.5	28.5	29.0	28.0
14	27.0	---	12.5	9.0	11.5	15.5	20.5		26.5	28.5	29.5	27.0
15	24.0	14.0	12.5	---	11.5	17.0	21.0		26.0	29.0	30.0	28.0
16	---	15.0	12.0	---	11.5	18.0	21.0		25.5	29.0	29.0	28.0
17	---	14.5	11.5	8.0	12.0	18.0	21.0		26.5	29.0	29.5	27.0
18	22.0	15.5	---	7.0	12.5	18.0	21.5		26.5	29.0	29.5	27.5
19	22.0	15.0	---	7.0	---	18.0	30.0		26.5	29.0	29.5	28.0
20	21.0	---	12.0	6.5	---	21.0	22.0		27.0	29.0	29.5	26.5
21	20.0	---	11.0	6.5	---	18.0	21.5		27.0	29.0	29.5	26.5
22	20.5	13.0	11.0	---	13.0	18.0	20.0		27.0	29.0	29.0	26.5
23	21.0	13.5	11.5	---	14.5	18.0	20.0		27.0	29.0	28.0	27.0
24	---	14.0	---	7.0	14.0	18.0	19.0		27.5	30.0	26.5	27.0
25	---	---	---	6.5	15.0	18.5	19.0		28.0	29.0	27.0	28.0
26	---	14.5	---	7.0	---	17.5	20.0		28.0	29.0	26.5	28.0
27	20.0	---	11.5	8.0	---	18.5	21.0		27.0	30.0	27.0	28.5
28	19.0	---	12.0	9.0	15.0	18.0	20.5		28.0	30.0	28.0	28.5
29	18.0	12.0	11.0	---	---	19.0	23.0		28.0	30.0	28.0	28.5
30	---	13.0	11.5	---	---	19.5	20.0		28.5	29.0	27.0	28.5
31	---	---	---	7.0	---	18.5	---		---	29.5	28.5	---

CALCASIEU RIVER BASIN

301513093130600 CALCASIEU RIVER WEST OF SALT WATER BARRIER AT LAKE CHARLES, LA (CE 73473)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1975 TO SEPTEMBER 1976
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6700	---	480	---	---	720	10	2500	1800	1400	50	8700
2	4100	---	1100	100	16	820	11	3400	800	900	41	9300
3	4900	30	1100	---	19	940	14	4100	680	1100	2300	8400
4	---	25	4600	---	24	980	14	2800	670	120	5200	7700
5	---	16	6500	140	16	960	13	2000	140	120	---	7600
6	17000	35	---	1300	19	1300	12	6800	1700	550	6700	7500
7	7100	51	---	360	---	1000	10	1700	2000	800	3300	6700
8	7800	---	7400	490	---	3100	320	2800	2800	780	4000	5200
9	8000	---	1700	270	80	2800	710	1300	1900	1100	5200	4300
10	7200	500	4900	---	130	1900	500	1300	1500	1400	8300	3800
11	---	1400	7100	---	200	300	820	810	2000	1600	8700	3400
12	---	2600	4000	720	340	1600	810	180	1300	1200	7600	5100
13	---	250	---	2300	480	1600	720	150	1600	2900	6300	2100
14	6000	640	---	1300	---	1100	1000	140	1500	2400	5400	11000
15	7200	---	3800	2800	---	1400	770	520	1000	2100	3700	5700
16	6100	---	5100	5600	---	1400	650	500	800	1800	4200	8800
17	1800	6700	4600	---	1200	840	1000	370	1200	1700	4000	8400
18	---	6600	1400	---	1500	1200	790	1000	750	1600	5300	7700
19	---	6500	5300	4700	620	920	960	4200	940	650	4600	7600
20	1900	5900	---	4400	720	80	800	4700	1100	1100	4500	7700
21	1400	4400	---	2800	---	240	940	4200	800	1200	4600	7400
22	5400	---	6600	3100	---	70	740	2200	1500	1000	8300	7800
23	4900	---	7000	4100	340	250	770	2900	3000	1400	3900	8800
24	3700	4700	6700	---	440	280	690	3400	1200	1700	---	7800
25	---	1300	---	---	530	580	820	2100	420	28	6000	8200
26	---	7400	---	1900	350	20	790	3000	980	310	7500	7500
27	---	---	---	260	740	13	1500	2300	1100	1800	6700	7900
28	500	750	---	97	---	11	2600	2000	1200	1600	6200	6000
29	180	---	330	160	---	9.0	3200	2000	1700	1300	7800	7500
30	40	---	240	120	---	11	4200	1800	1700	1200	7600	6400
31	31	---	140	---	---	9.0	---	2700	---	1200	8300	---

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8400	8000	6300	---	630	650	460	---	1400	1800	5000	7000
2	---	8700	7400	---	6300	2800	480	---	2300	1700	4100	1800
3	---	8500	---	560	6500	4400	770	---	3600	1600	5500	5700
4	8300	9100	---	390	850	2400	370	---	2600	1900	7900	4000
5	9500	7700	---	390	---	1600	180	---	4800	3700	6800	7700
6	7300	---	9800	360	---	250	130	---	3400	5400	6800	5600
7	8800	---	2400	420	280	100	220	---	3500	5500	7800	4800
8	7900	9000	1200	---	170	440	250	---	3700	6400	7200	6000
9	---	10000	410	---	170	140	76	---	4400	6700	6800	6700
10	---	10000	1500	600	230	32	86	---	3400	4100	4200	5400
11	---	9400	---	490	220	83	880	---	3400	6100	5900	3300
12	8500	7300	---	300	---	35	2900	---	3000	6800	4100	4400
13	9200	---	550	260	---	30	2600	---	3500	4000	5800	3200
14	7600	---	300	1100	80	30	2600	---	7800	5300	5100	1600
15	8500	6400	260	---	110	20	2500	---	4300	5000	5900	1600
16	---	6500	190	---	140	20	2400	---	1100	4600	5400	2600
17	---	9000	130	50	320	52	2800	---	2100	5700	5600	2600
18	9300	10000	---	39	520	60	1800	---	410	5600	6200	2200
19	9700	8900	---	31	---	180	1400	---	910	4200	6000	1900
20	9600	---	160	24	---	160	2000	---	1200	4200	5800	2500
21	7800	---	140	21	---	360	220	---	720	3700	5600	1400
22	9000	2000	91	---	700	670	70	---	710	3900	4300	1600
23	9900	6500	90	---	700	520	22	---	840	3100	3300	3900
24	---	6600	---	30	440	1400	16	---	990	3600	1100	6000
25	---	---	---	60	460	2000	12	---	900	3800	660	3400
26	---	8300	---	70	---	2700	19	---	810	7200	1300	1700
27	9500	---	150	80	---	2300	8.0	---	800	8000	1100	2900
28	9400	---	99	260	440	1700	18	---	970	8500	2300	2600
29	10000	1500	120	---	---	1600	59	---	1200	8100	4700	3400
30	---	5600	66	---	---	1400	130	---	1500	5700	240	4100
31	---	---	---	760	---	1100	---	---	---	5500	7600	---

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.

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

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	CHEMICAL OXYGEN DEMAND (HIGH LEVEL) (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	IMMEDIATE COLIFORM (COL. PER 100 ML)	FECAL COLIFORM (COL./100 ML)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)
OCT 18...	1200	18800	7.7	15	7	7.5	--	3.4	3300	833	2200	2100
NOV 23...	1435	3500	7.3	--	40	7.9	--	2.2	1300	8350	340	320
DEC 16...	1530	529	6.7	80	--	9.0	30	4.9	3700	8280	66	54
JAN 13...	1230	1030	6.4	80	35	--	22	--	2600	1000	100	90
FEB 17...	1420	391	6.4	80	30	8.7	32	1.1	170	28	40	34
MAR 18...	1300	81	6.3	70	25	6.1	39	.9	--	75	22	14
APR 25...	1105	274	6.7	110	50	--	50	--	--	--	36	24
MAY 25...	1040	168	6.2	100	20	6.7	25	.4	850	88	31	20
JUN 16...	0850	2220	6.8	50	15	3.7	31	1.9	--	370	220	190
JUL 19...	0915	11800	7.1	30	6	3.9	--	4.7	<5	<5	1300	1300
SEP 03...	0945	5110	7.0	35	4	8.9	--	1.7	840	0	500	460
07...	1155	4590	6.9	40	4	4.8	--	1.9	8130	0	500	460

DATE	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	SETTLABLE MATTER (ML/L/HR)	TOTAL NITRATE (N) (MG/L)
OCT 18...	150	440	90	0	74	2.9	890	6600	--	33	<1.0	.05
NOV 23...	25	68	30	0	25	2.4	130	980	--	67	<1.0	.13
DEC 16...	6.6	12	14	0	11	4.5	28	160	--	52	<1.0	.07
JAN 13...	9.0	19	13	0	11	8.3	45	300	--	42	<1.0	.12
FEB 17...	5.0	6.6	7	0	6	4.5	18	94	--	24	<1.0	.03
MAR 18...	5.3	2.1	10	0	8	8.0	6.0	19	--	13	<1.0	.03
APR 25...	5.6	5.3	14	0	11	4.5	12	63	32	--	<1.0	.13
MAY 25...	2.1	6.3	14	0	11	14	4.0	8.6	25	--	<1.0	.03
JUN 16...	18	42	30	0	25	7.6	81	620	13	--	<1.0	.07
JUL 19...	91	270	65	0	53	8.3	550	4000	20	--	<1.0	.03
SEP 03...	37	98	40	0	33	6.4	190	1500	10	--	<1.0	.03
07...	40	96	41	0	34	8.3	180	1400	7	--	<1.0	.03

CALCASIEU RIVER BASIN

301432093135700 CALCASIEU RIVER AT MILE 40.0, AT LAKE CHARLES, LA (CE 73510)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)
OCT 18...	.02	.07	1.0	.24	1	1	0	0	0	0	30	0
NOV 23...	.02	.15	--	.13	1	0	0	0	0	0	<10	0
DEC 16...	.02	.09	1.1	.13	3	1	0	0	0	0	20	0
JAN 13...	.01	.13	1.1	.08	2	1	0	0	0	0	20	0
FEB 17...	.01	.04	.63	.05	1	1	--	0	0	0	--	0
MAR 18...	.01	.04	.84	.06	1	1	0	0	0	0	<10	0
APR 25...	.02	.15	.76	.13	2	1	0	0	0	0	10	0
MAY 25...	.01	.04	.44	.09	1	1	0	0	0	0	20	0
JUN 16...	.01	.08	.98	.11	3	2	0	0	4	4	20	0
JUL 19...	.01	.04	.76	.17	1	0	0	0	7	0	10	0
SEP 03...	.02	.05	.92	.13	1	1	0	0	10	6	0	0
07...	.02	.05	.82	.11	2	1	10	0	10	0	10	0

DATE	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED VANA- DIUM (V) (UG/L)
OCT 18...	5	5	30	3	3	.2	.2	3	3	0	0	--
NOV 23...	2	0	170	5	0	.1	.1	3	1	0	0	--
DEC 16...	8	8	190	5	0	.0	.0	2	0	0	0	--
JAN 13...	--	--	130	5	0	.0	.0	5	5	0	0	--
FEB 17...	--	6	160	--	0	.0	.0	5	4	0	0	5.0
MAR 18...	9	9	160	2	--	.0	.0	2	0	0	0	2.0
APR 25...	--	10	170	0	0	.0	.0	3	3	0	0	4.0
MAY 25...	7	7	220	3	2	.0	.0	5	5	0	0	80
JUN 16...	8	8	130	2	2	.0	.0	5	2	0	0	--
JUL 19...	8	8	20	5	5	.0	.0	8	2	0	0	--
SEP 03...	8	3	130	2	0	.0	.0	7	2	0	0	--
07...	5	5	170	1	0	.0	.0	2	1	0	0	--

301432093135700 CALCASIEU RIVER AT MILE 40.0, AT LAKE CHARLES, LA (CE 73510)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	TOTAL PCB (UG/L)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)	TOTAL ALDRIN (UG/L)	TOTAL CHLOR- DANE (UG/L)	TOTAL DDD (UG/L)	TOTAL DDE (UG/L)
OCT 18...	30	30	13	.00	5	0	.0	.00	.00	.0	.00	.00
NOV 23...	20	20	5.6	.00	0	0	.0	.00	.00	.0	.00	.00
DEC 16...	20	10	15	.00	0	0	.0	.00	.00	.0	.00	.00
JAN 13...	10	10	7.0	.00	0	0	.0	.00	.00	.0	.00	.00
FEB 17...	--	10	6.3	.00	0	0	.0	.00	.00	.0	.00	.00
MAR 18...	30	30	9.8	.00	0	0	.0	.00	.00	.0	.00	.00
APR 25...	20	20	7.0	.00	0	0	.0	.00	.00	.0	.00	.00
MAY 25...	10	20	8.0	--	2	1	.0	.00	.00	.0	.00	.00
JUN 16...	20	10	5.1	.00	0	2	.0	.00	.000	.0	.000	.000
JUL 19...	10	10	4.9	.00	0	0	.0	.00	.000	.0	.000	.000
SEP 03...	20	10	8.3	--	4	0	.0	.00	.000	.0	.000	.000
07...	10	0	8.0	.00	4	0	.0	.00	.000	.0	.000	.000

DATE	TOTAL DDT (UG/L)	TOTAL DI- AZINON (UG/L)	TOTAL DI- ELDRIN (UG/L)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	TOTAL ETHION (UG/L)	TOTAL HEPTA- CHLOR (UG/L)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	TOTAL LINDANE (UG/L)
OCT 18...	.00	.02	.00	--	.00	.00	.00	.00	.00
NOV 23...	.00	.01	.00	--	.00	.00	.00	.00	.00
DEC 16...	.00	.00	.00	--	.00	.00	.00	.00	.00
JAN 13...	.00	.00	.00	--	.00	.00	.00	.00	.00
FEB 17...	.00	.00	.00	--	.00	.00	.00	.00	.00
MAR 18...	.00	.02	.00	--	.00	.00	.00	.00	.00
APR 25...	.00	.00	.00	--	.00	.00	.00	.00	.00
MAY 25...	.00	.00	.00	--	.00	.00	.00	.00	.00
JUN 16...	.000	.00	.002	.000	.00	.00	.000	.000	.000
JUL 19...	.000	.00	.000	.000	.00	.00	.000	.000	.000
SEP 03...	.000	.00	.001	.000	.00	.00	.000	.000	.000
07...	.000	.00	.000	.000	.00	.00	.000	.000	.000

CALCASIEU RIVER BASIN

301432093135700 CALCASIEU RIVER AT MILE 40.0, AT LAKE CHARLES, LA (CE 73510)--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL MALA- THION (UG/L)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	TOTAL METHYL TRI- THION (UG/L)	TOTAL MIREX (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOTAL TRI- THION (UG/L)	TOTAL 2,4-D (UG/L)
OCT 18...	.00	--	.00	.00	.00	.00	0	.00	.40
NOV 23...	.00	--	.01	.00	.00	.00	0	.00	.06
DEC 16...	.00	--	.00	.00	--	.00	0	.00	.09
JAN 13...	.00	--	.00	.00	.00	.00	0	.00	.00
FEB 17...	.00	--	.00	.00	.00	.00	0	.00	.00
MAR 18...	.00	--	.00	.00	.00	.00	0	.00	.06
APR 25...	.00	--	.00	.00	.00	.00	0	.00	.04
MAY 25...	.00	--	.00	.00	.00	.00	0	.00	.00
JUN 16...	.00	.00	.00	.00	.00	.00	0.0	.00	.12
JUL 19...	.00	.00	.00	.00	.00	.00	0.0	.00	.12
SEP 03...	.00	.00	.02	.00	.00	.00	0.0	.00	.11
07...	.00	.00	.01	.00	.00	.00	0.0	.00	.09

DATE	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLORO- PHYLL A (UG/L)	CHLORO- PHYLL B (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO SPECT. (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
OCT 18...	.00	.00	13.8	.000	--	--	--	--
NOV 23...	.01	.00	--	--	.37	.057	--	--
DEC 16...	.02	.00	--	--	.48	.174	--	--
JAN 13...	.00	.00	--	--	.41	.057	--	--
FEB 17...	.00	.00	--	--	--	--	--	--
MAR 18...	.05	.00	--	--	--	--	.120	.036
APR 25...	.00	.00	--	--	--	--	--	--
MAY 25...	.03	.00	--	--	--	--	--	--
JUN 16...	.04	.00	--	--	--	--	.515	.027
JUL 19...	.02	.00	--	--	--	--	.844	.244
SEP 03...	.11	.02	--	--	--	--	--	--
07...	.00	.00	--	--	--	--	--	--

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 current year.
 CHLORIDE- 5 FT DEPTH: October 1974 to current year.
 CHLORIDE-15 FT DEPTH: October 1975 to current year.
 CHLORIDE-25 FT DEPTH: October 1975 to current year.

REMARKS.--Samples collected by Corps of Engineers and analyzed by 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.--

CHLORIDE- 5 FT DEPTH: Maximum daily, 9,800 mg/L Sep. 12, 1976; minimum daily, 8.0 mg/L May 11, 14, 19, 1975.
 CHLORIDE-15 FT DEPTH: Maximum daily, 11,000 mg/L Sep. 12, 14, 15, Oct. 22, 27, 28, Nov. 10, 13, 1976; minimum daily, 14 mg/L Apr. 1, 1976.
 CHLORIDE-25 FT DEPTH: Maximum daily, 13,000 mg/L Nov. 25, 1975; minimum daily, 16 mg/L Apr. 4, 1976.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 31.5°C July 29, 31, Aug. 1, 2, 5; minimum daily, 6.5°C Jan. 10, 20, 29.
 CHLORIDE- 5 FT DEPTH: Maximum daily, 9,600 mg/L Oct. 27; minimum daily, 36 mg/L Apr. 25.
 CHLORIDE-15 FT DEPTH: Maximum daily, 11,000 mg/L Oct. 22, 27, 28, Nov. 10, 13; minimum daily, 32 mg/L Jan. 19.
 CHLORIDE-25 FT DEPTH: Maximum daily, 11,000 mg/L several days in October, November, July 18; minimum daily, 39 mg/L Jan. 19.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
 SAMPLING DEPTH 5.00 (FT), ONCE DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26.0	17.5	10.5	10.5	8.0	15.0	19.0	21.5	26.5	30.0	31.5	---
2	25.0	17.0	10.5	9.0	8.0	14.5	20.0	22.0	26.5	30.0	31.5	---
3	25.0	17.0	12.5	7.0	8.0	14.5	21.0	22.5	26.5	30.0	31.0	28.5
4	25.5	17.0	12.5	9.0	8.5	14.5	20.5	22.5	29.0	30.5	31.0	28.5
5	25.5	17.5	12.0	9.5	8.5	14.0	19.0	22.5	29.0	30.0	31.5	29.0
6	24.0	17.0	12.5	10.0	8.5	14.5	19.5	22.5	29.5	30.0	31.0	29.0
7	24.0	17.5	10.5	9.5	8.5	14.5	21.0	22.5	28.5	---	31.0	29.5
8	22.0	16.5	10.5	10.0	8.5	14.5	21.0	---	28.5	30.0	31.0	29.5
9	21.5	17.0	11.0	10.0	9.0	14.0	22.0	22.5	29.0	30.0	31.0	28.5
10	21.5	17.5	12.0	6.5	9.0	14.5	---	24.0	28.5	29.5	31.0	29.0
11	22.0	17.5	13.5	7.0	11.0	16.0	22.0	24.0	26.0	30.0	31.0	29.0
12	23.0	15.5	12.5	10.0	11.5	15.0	21.5	24.0	28.0	29.5	---	29.0
13	23.0	13.5	12.5	9.0	11.0	15.5	21.5	24.0	26.5	30.0	30.0	29.5
14	23.0	13.5	12.0	9.5	11.0	---	21.5	24.5	26.0	30.0	30.0	29.5
15	23.0	13.5	12.0	11.5	10.5	---	21.5	24.5	27.0	29.5	31.0	28.0
16	22.5	13.0	12.0	10.0	9.0	18.0	22.0	25.0	27.0	30.0	31.0	28.0
17	20.5	13.0	12.0	7.0	12.0	18.0	22.0	25.0	28.0	30.0	30.5	28.0
18	20.5	13.5	14.5	7.5	12.0	18.5	22.0	25.0	28.0	30.0	30.5	28.5
19	20.5	14.0	14.0	7.0	12.0	18.0	22.0	---	28.5	30.0	---	28.0
20	20.0	14.0	12.0	6.5	12.0	18.0	20.0	25.0	28.5	30.0	29.5	28.0
21	19.5	---	10.0	7.5	13.0	18.5	20.0	26.0	26.5	30.0	29.5	28.0
22	19.0	13.0	10.5	7.5	13.0	18.0	20.5	25.5	28.5	30.5	29.5	28.0
23	19.0	13.0	12.0	7.0	15.0	18.0	21.0	26.0	---	30.5	29.0	28.0
24	20.0	13.5	11.0	7.5	15.0	18.5	21.0	26.0	30.0	30.5	29.5	28.0
25	22.0	14.0	11.5	8.5	15.0	18.5	21.0	26.5	30.0	30.5	29.0	28.0
26	22.0	13.5	11.0	9.0	15.0	18.0	21.0	26.5	30.0	30.0	29.0	28.0
27	20.0	14.0	10.5	8.5	---	18.0	21.5	26.0	30.0	30.0	29.0	28.5
28	18.5	12.5	12.0	9.0	13.0	18.0	21.0	26.5	30.0	30.0	29.0	28.0
29	16.5	12.0	11.0	6.5	---	18.5	21.5	26.5	30.0	31.5	29.5	28.5
30	17.5	10.5	11.5	7.5	---	18.5	21.5	26.5	30.0	31.0	27.5	28.5
31	17.0	---	11.0	7.0	---	18.0	---	26.5	---	31.5	30.0	---

CALCASIEU RIVER BASIN

301305093151200 CALCASIEU RIVER AND PASS NEAR LAKE CHARLES, LA (CE 73550)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
SAMPLING DEPTH 5.00(FT.), ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7400	8100	2200	820	1800	1400	1100	220	1900	2700	3700	---
2	6800	6800	3000	1300	1800	3000	1200	320	2600	2600	4200	---
3	6800	6000	6200	1500	2600	3400	800	310	3500	2400	6100	2700
4	7100	6600	3000	1300	1300	550	800	170	3300	3000	4200	3500
5	6300	6100	3100	1300	1000	1900	500	95	3200	2900	7000	5000
6	6300	7600	2900	1400	1100	1000	450	250	4000	2500	7400	4900
7	6500	5700	2400	1300	1000	750	690	120	3100	---	4900	2800
8	6500	6400	2400	1600	920	350	610	---	5100	3200	6700	3900
9	7600	7400	1600	3400	900	600	540	140	5400	4900	6000	3000
10	7100	8300	1600	1600	1100	500	---	160	6000	4700	6700	2600
11	7100	9200	1300	1400	550	300	1400	340	7200	4100	6500	3300
12	7900	6700	1400	2000	850	640	1000	310	5100	3700	---	3500
13	8000	7200	1600	1200	600	120	1400	390	5600	4100	6600	3800
14	7600	6600	890	1600	620	---	1600	600	4800	5200	6200	3000
15	7000	5300	950	78	690	---	2000	520	3200	4000	4700	2900
16	8800	4400	940	1000	700	90	1900	530	2700	4400	5800	2600
17	6900	5200	780	550	1100	150	2000	610	1800	5500	4100	2000
18	7800	5200	530	40	1100	200	1900	640	2400	5100	4900	1600
19	8000	4700	710	31	1100	220	2300	---	1300	6300	---	1800
20	7500	3600	700	40	1300	280	1400	870	1200	6400	3500	1600
21	7300	---	1000	61	1000	170	940	750	1200	5200	3800	1800
22	9000	4300	500	92	1200	740	150	720	1200	5200	3000	2000
23	9100	5300	600	100	1500	540	46	750	---	4000	2700	2200
24	9000	5800	820	410	1800	780	57	760	1500	5000	2300	3000
25	9200	4300	800	300	1600	2000	36	850	1600	4500	1100	4300
26	8600	4600	1200	1600	1200	1900	61	800	2500	3700	950	3100
27	9600	4200	700	750	---	2300	140	1100	2600	5000	1600	4500
28	9000	2600	180	1400	1300	2400	140	1500	1900	4200	1400	3000
29	7800	3000	450	830	---	2100	180	1100	2200	5600	3700	3400
30	7300	2700	320	1100	---	2000	220	1000	2900	5200	3700	---
31	7900	---	560	1800	---	800	---	1200	---	4400	3900	---

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
SAMPLING DEPTH 15.00(FT.), ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8200	9300	7200	5800	3400	3200	1700	230	3400	3500	5300	---
2	8400	9600	8500	4200	6600	4700	1400	430	5600	3700	6300	---
3	7800	8400	7900	6600	7700	4400	2200	320	6500	3900	8200	6200
4	8500	9200	7400	6300	1600	750	900	160	5800	4800	8500	6000
5	7600	9600	8000	6000	1700	2400	500	87	6800	4600	9200	6500
6	8600	9600	6700	1400	1700	1000	920	300	6200	6800	9500	6600
7	8600	8800	2800	5100	1400	1000	640	120	6000	---	8900	6200
8	8500	10000	2500	1700	2700	380	600	---	8000	6400	9700	3900
9	8800	8000	2600	5100	4600	550	990	160	7600	7000	8500	4200
10	8100	11000	1600	1800	1300	1200	---	140	8600	6100	9200	3600
11	8800	9700	1300	3700	700	350	3900	340	8200	6700	9200	4800
12	9600	7200	1500	4100	980	480	2800	470	7600	6300	---	4300
13	10000	11000	2400	2400	600	120	4000	380	8100	6300	8100	4500
14	9400	10000	1000	1700	730	---	3600	810	6100	7500	7900	3900
15	9600	9000	3000	82	710	---	4000	790	3700	7600	7300	3300
16	8900	10000	860	1000	1700	110	4100	630	3500	9300	6700	3900
17	9700	10000	800	650	2400	490	4300	740	2600	9400	5600	2800
18	9800	10000	760	60	1100	230	4500	890	2600	10000	6100	2900
19	10000	7800	740	32	2000	170	3100	---	2200	9200	---	2900
20	7500	3700	740	49	3200	210	3200	960	1600	7800	5200	3500
21	9800	---	1300	180	2700	210	1100	870	1600	8100	5900	4300
22	11000	7200	1400	170	2200	1100	160	870	1500	6600	3800	4900
23	10000	8100	2300	320	2100	1800	43	1100	---	6100	4000	5000
24	9000	8900	5400	560	2900	900	39	920	1900	7000	2500	4500
25	9900	7600	800	1500	1800	5000	38	1100	2000	5800	1300	5100
26	9000	7800	1500	5600	1300	3900	72	1400	2700	6400	1400	4600
27	11000	4900	870	1200	---	3400	250	1800	3100	7600	4100	4500
28	11000	6900	540	6100	1900	2500	150	1800	2800	6800	3700	---
29	8400	3800	530	2900	---	2200	240	1300	3400	6800	6400	4000
30	9300	8000	400	5500	---	2000	260	1800	3200	6300	8500	4600
31	9100	---	1400	5400	---	2100	---	2100	---	5600	5400	---

CALCASIEU RIVER BASIN

301305093151200 CALCASIEU RIVER AND PASS NEAR LAKE CHARLES, LA (CE 73550)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
SAMPLING DEPTH 25.00 (FT.), ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	9600	11000	9200	6500	7000	5600	2000	1300	4600	4400	7200	---
2	8800	10000	9400	6700	8200	5800	3000	480	7000	4100	8000	---
3	9700	9900	8300	6900	7800	5700	1300	350	8400	5100	9500	7400
4	9300	9700	9100	7000	2400	1200	1200	170	7800	6100	9500	7000
5	9400	10000	9000	7300	5800	3000	700	97	6000	6100	9700	7500
6	9000	11000	9400	7000	5000	1400	1100	330	8200	8100	10000	7100
7	9800	10000	3700	5800	6700	1100	980	130	7400	---	9500	7000
8	10000	11000	2600	6300	4600	550	1300	---	8400	8800	10000	5100
9	9700	11000	5000	8800	6500	350	1100	160	9300	7800	10000	5500
10	9900	11000	2000	2600	4400	400	---	160	9700	7700	9800	6100
11	9500	10000	4100	7500	1600	350	6600	390	10000	7600	10000	6200
12	10000	10000	4500	8000	1000	130	6900	730	8600	8000	---	5600
13	10000	11000	7000	7900	2300	350	7400	580	8500	8100	9100	4900
14	10000	10000	4000	6600	2000	---	6200	1400	7000	8300	9100	4900
15	11000	11000	3500	700	1900	---	6100	1100	3900	8900	7500	4200
16	11000	11000	1100	1000	5500	200	5700	1000	4200	10000	7200	5200
17	10000	11000	3900	900	4900	690	5900	1400	3100	10000	6300	4200
18	11000	11000	4800	72	1300	300	5400	1400	3300	11000	7500	5300
19	11000	9600	1400	39	3400	190	4600	---	2200	10000	---	4800
20	10000	---	1300	50	3800	380	4400	1300	2300	8800	6400	4800
21	11000	---	7100	2800	4400	2100	1100	1300	2200	9300	6400	5800
22	11000	7700	3800	880	4600	1600	170	1300	2500	8000	5000	5200
23	11000	8800	6100	1800	4000	4500	43	1400	---	8000	5400	4800
24	11000	9200	7100	4200	3300	5000	44	1400	2700	8000	3000	6000
25	10000	9400	2000	5000	2700	6400	40	1600	2900	7500	1600	5800
26	9100	8800	2000	5800	1900	7000	80	1800	3000	7500	2400	5200
27	11000	7900	1100	6200	---	6700	390	2500	3400	8800	4400	5000
28	11000	8200	700	8000	4700	3400	210	2300	3700	9300	6000	4900
29	9600	5900	540	6400	---	2800	490	2500	4500	8000	8100	---
30	11000	9000	1600	6300	---	2300	590	2900	3900	8400	8000	5100
31	9700	---	4700	7800	---	1900	---	3600	---	7500	7000	---

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 current year.

CHLORIDE: October 1974 to current year.

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

EXTREMES FOR PERIOD OF DAILY RECORD.--

CHLORIDE: Maximum daily, 11,000 mg/L Oct. 22, 1976; minimum daily, 20 mg/L Aug. 10, 1975.

EXTREMES FOR CURRENT YEAR.--

WATER TEMPERATURES: Maximum daily, 33.0°C July 3; minimum daily 6.0°C Jan. 19.

CHLORIDE: Maximum daily, 11,000 mg/L Oct. 22; minimum daily, 30 mg/L May 6, 9.

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.0	16.5	8.5	10.0	---	17.5	19.5	23.0	28.5	30.0	---	27.0
2	24.5	14.5	9.5	9.0	9.5	17.0	20.5	22.0	28.5	28.5	30.0	26.0
3	24.0	15.0	8.5	7.0	10.0	16.5	22.5	23.5	28.5	33.0	30.0	28.0
4	24.5	15.5	10.0	8.0	10.0	16.5	22.5	24.5	29.0	31.0	30.0	28.0
5	25.0	15.5	10.5	8.5	10.5	14.0	20.0	24.0	29.0	31.0	30.0	27.5
6	23.0	15.0	10.5	8.5	10.0	15.0	20.5	24.5	29.0	30.0	30.0	26.5
7	24.0	16.0	10.0	9.0	10.0	13.0	20.0	24.5	29.0	30.0	30.0	28.0
8	22.0	16.5	10.0	9.0	10.0	16.0	20.5	24.5	29.5	30.0	29.5	28.0
9	21.5	14.0	11.0	11.5	9.5	15.5	20.5	26.5	28.0	30.5	30.0	27.5
10	21.0	16.0	11.0	8.0	11.0	16.0	22.0	24.5	28.0	30.0	30.5	27.5
11	19.5	15.0	12.0	10.0	11.0	17.0	21.5	24.5	29.0	30.0	30.0	27.5
12	20.5	15.0	14.0	8.0	13.0	17.0	22.0	24.0	29.0	29.0	29.5	28.5
13	21.0	13.0	14.0	8.0	12.0	17.0	22.0	25.0	29.5	29.0	29.5	28.5
14	21.5	12.0	12.0	9.0	13.0	17.5	22.0	25.0	29.5	29.0	29.0	27.0
15	21.0	11.0	11.5	---	13.0	18.5	23.0	25.0	28.5	29.0	28.5	27.0
16	22.5	11.0	11.0	10.0	12.0	20.0	23.5	25.0	28.0	28.0	28.5	26.5
17	20.0	12.0	12.0	8.5	13.0	19.5	24.0	25.5	27.0	28.5	30.0	27.5
18	20.0	11.5	12.5	8.0	13.0	20.0	24.0	25.5	28.5	29.0	30.0	28.0
19	18.5	13.0	13.0	6.0	14.0	21.0	24.0	25.5	29.0	28.5	29.0	28.0
20	18.0	13.0	13.0	8.0	13.5	22.0	24.5	26.0	28.5	29.0	29.0	27.0
21	16.5	13.0	14.0	9.0	13.0	22.0	24.0	25.0	29.0	29.0	28.0	27.0
22	18.5	10.0	12.0	7.0	13.0	19.0	21.0	25.5	29.0	30.0	28.0	28.0
23	18.0	12.5	12.5	8.0	16.5	19.0	21.0	26.0	29.0	31.0	29.0	28.0
24	18.0	12.0	9.5	10.0	16.0	19.0	21.0	26.0	29.0	31.0	26.0	29.0
25	18.5	13.0	11.0	8.0	16.0	19.0	21.0	26.5	30.0	31.0	27.5	29.0
26	18.5	14.5	12.0	9.0	17.5	18.0	21.0	26.5	30.0	31.0	28.5	20.0
27	18.5	17.0	11.0	10.0	16.0	20.0	22.0	27.0	29.5	30.0	28.5	29.0
28	16.5	15.0	12.0	10.5	16.0	20.0	22.0	27.5	28.5	30.0	28.0	29.0
29	15.5	11.5	13.5	10.0	---	20.0	22.5	27.5	29.5	30.0	28.0	29.0
30	14.5	8.5	12.0	10.0	---	21.0	23.0	26.0	30.0	30.0	27.5	28.0
31	14.5	---	12.0	9.5	---	21.0	---	28.0	---	30.0	27.5	---

300514093172800 INTRACOASTAL WATERWAY AT CALCASIEU LOCK, NEAR GRAND LAKE, LA (CE 76880)--Continued

DISSOLVED CHLORIDE (CL), MG/L, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8400	4500	170	110	3900	1900	2800	45	1800	4300	4700	2700
2	8400	3800	190	86	1900	2000	2700	40	2400	3300	2900	2800
3	7100	3400	120	100	1700	3600	1700	46	2100	4100	1600	2100
4	6400	1800	130	100	74	460	2000	34	5400	5000	2300	360
5	8700	1800	120	320	75	3800	1200	42	6800	5200	2700	3300
6	7900	1200	490	78	88	580	1200	30	7700	4100	3900	130
7	6200	1200	200	65	68	400	1200	34	7300	4900	3200	160
8	6400	2000	110	96	83	100	1000	32	5300	4300	3800	90
9	5000	9200	400	420	38	100	780	30	8500	4600	4600	130
10	4200	9500	160	160	52	400	810	36	8200	4700	7700	76
11	3100	4100	180	110	75	200	1700	36	8600	6200	7200	72
12	3500	1200	1200	480	59	250	3300	180	8000	6200	7200	72
13	3100	1100	150	1400	66	150	2400	2800	7400	3600	9500	86
14	3600	2300	75	720	65	100	3600	2600	8400	5500	5900	110
15	4600	830	65	---	700	280	4300	440	2600	5600	6600	73
16	8700	1500	55	35	480	88	4800	46	1500	5100	5700	90
17	4000	3800	140	65	710	88	4600	54	1200	6400	4600	72
18	3700	1400	110	78	760	460	4900	380	550	6800	5100	98
19	8300	8200	90	75	620	120	4300	100	160	4400	3100	100
20	8200	7700	95	76	620	150	4400	49	170	3700	1900	57
21	5900	2900	75	70	670	1700	1800	1000	440	4900	650	58
22	11000	990	95	78	1200	360	430	140	770	3900	540	90
23	9100	210	90	50	1100	500	35	72	1500	5400	210	75
24	9200	270	85	64	2400	770	69	140	1100	4000	74	5800
25	7500	470	80	62	800	1300	65	910	2000	3600	94	4800
26	6500	3900	80	71	1200	3900	41	700	2200	5500	87	950
27	9400	7100	90	70	950	1700	44	1300	3500	5000	99	1200
28	6500	290	70	62	1600	3600	40	1700	4800	5000	92	650
29	8200	1600	88	400	---	1500	40	2800	3200	4700	94	280
30	7700	550	100	2500	---	2300	54	1300	3900	5000	150	2100
31	6100	---	100	2200	---	4700	---	1200	---	4100	2400	---

08030500 SABINE RIVER NEAR RULIFF, TX
(Radiochemical and national stream-quality accounting network station)

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 Texas State Highway 12, 2.4 mi (3.9 km) north of Ruliff, 4.2 mi (6.8 km) upstream from the Kansas City Southern Railway Co. bridge, 4.5 mi (7.2 km) downstream from Cypress Creek, and at mile 40.2 (64.7 km).

DRAINAGE AREA.--9,329 mi² (24,162 km²).

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) above mean sea level. 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); 11 years (water years 1967-77) regulated, 7,605 ft³/s (215.4 m³/s), 5,510,000 acre-ft/yr (6.79 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, 20,300 ft³/s (575 m³/s) Mar. 9, gage height, 14.21 ft (4.331 m); minimum daily, 744 ft³/s (21.1 m³/s) Nov. 10.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5910	1230	2340	5880	5300	8720	13900	10500	2280	5050	4170	4060
2	6390	1340	2090	6270	4020	8690	14000	9980	3790	5320	2420	4490
3	6010	1180	1780	6660	3700	9330	13700	8640	4800	5390	1750	4740
4	3750	1010	1540	7120	4420	10200	13500	7200	5090	4930	3450	4930
5	1960	903	1370	7670	6470	11100	13400	7090	5220	3080	4290	4970
6	1350	845	1310	7960	8590	12900	13300	7210	4740	1770	4590	4390
7	1140	811	1950	7280	10200	15700	13000	6960	2890	1890	4640	3100
8	1050	781	2890	6240	10500	18900	12700	6770	2220	3840	4790	3780
9	980	755	3670	6010	9570	20000	12500	7020	3940	4680	4370	4550
10	930	744	3870	6270	8330	19000	12400	7270	4880	5010	3280	5090
11	899	754	3430	6960	7320	17200	12200	7380	4970	4510	3980	5350
12	876	773	3290	8540	6700	16000	12000	7430	5150	2670	4670	5530
13	853	775	4360	10100	6420	15500	11800	7430	4680	1600	4960	5050
14	839	876	4790	10900	6470	15500	11400	7360	2890	2610	5050	3750
15	1290	1030	5080	9600	6390	15900	10700	7250	2540	3640	5140	4250
16	1810	1100	4680	8810	6510	16300	10300	7160	4410	4010	4680	4880
17	1940	1110	3960	8430	7230	16200	10100	7050	5410	4200	3580	5160
18	1890	1060	3340	7250	8080	15500	9960	6790	5850	3650	4160	5160
19	1490	1060	2790	6050	8910	13900	9930	6250	5910	2180	4710	5080
20	1230	1270	2920	5700	9840	11800	10600	5310	5290	1750	5050	4210
21	1590	1670	3430	5290	10600	11200	12200	3250	3280	3360	5420	3320
22	1740	1760	4110	5400	11100	11400	14000	2740	2450	4430	5620	4090
23	1310	1610	5860	5520	11600	11600	15500	3670	3860	4760	5010	4580
24	996	1480	6720	5450	11500	11900	17000	2600	4580	4860	3690	4730
25	890	2120	7010	5330	10800	12000	17700	2280	5070	4290	4320	4780
26	839	3180	7280	5530	9840	11800	17000	4020	5350	2510	4970	4740
27	809	3590	7710	6450	9170	11700	15300	4920	4980	1820	5310	3970
28	795	3790	7210	7330	8850	12000	13800	5210	3260	3430	5420	3130
29	847	3650	5730	7880	---	12300	12800	5310	2650	4280	5360	4030
30	1070	2790	5510	7950	---	12800	11700	4750	4230	4660	4710	4590
31	1110	---	5480	6780	---	13300	---	2920	---	4740	3490	---
TOTAL	54583	45047	127500	218610	228430	420340	388390	189720	126660	114920	137050	134480
MEAN	1761	1502	4113	7052	8158	13560	12950	6120	4222	3707	4421	4483
MAX	6390	3790	7710	10900	11600	20000	17700	10500	5910	5390	5620	5530
MIN	795	744	1310	5290	3700	8690	9930	2280	2220	1600	1750	3100
AC-FT	108300	89350	252900	433600	453100	833700	770400	376300	251200	227900	271800	266700

CAL YR 1976 TOTAL 2210480 MEAN 6040 MAX 22200 MIN 744 AC-FT 4384000
WTR YR 1977 TOTAL 2185730 MEAN 5988 MAX 20000 MIN 744 AC-FT 4335000

WATER-QUALITY RECORDS

WATER TEMPERATURES: Maximum, 30.0°C July 31, Aug. 6, 7; minimum, 4.0°C Jan. 19, 20.

[illegible]

SABINE RIVER BASIN

08030500 SABINE RIVER NEAR RULIFF, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED SILICA (SI02) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	TOTAL ORGANIC CARBON (C) (MG/L)
OCT 20...	8.9	74	96	8	6	.10	.01	.06	.40	.04	4.1
NOV 08...	18	136	117	28	4	.07	.01	.06	.37	.13	9.2
DEC 29...	8.4	82	55	42	11	.06	.00	.00	.57	.04	16
JAN 18...	8.5	58	41	46	9	.03	.00	.01	.58	.03	9.6
FEB 24...	6.7	103	93	51	16	.11	.00	.01	.47	.04	3.6
MAR 15...	6.9	78	82	55	22	.02	.00	.01	.42	.04	7.5
APR 13...	6.8	113	100	40	8	.11	.00	.01	.42	.03	5.8
MAY 10...	6.6	116	103	79	28	.13	.00	.00	.57	.03	6.1
JUN 08...	10	114	105	38	11	.00	.01	.02	.32	.04	5.6
JUL 27...	8.1	113	107	32	15	.01	.01	.01	.47	.06	5.2
AUG 04...	11	116	108	60	8	.03	.01	--	--	.04	4.9
SEP 27...	--	--	--	--	--	.02	.00	--	--	.04	4.4

DATE	TIME	TOTAL ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED BARIUM (BA) (UG/L)	TOTAL CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)
OCT 20...	0900	1	0	100	0	0	<10	0
DEC 29...	0800	1	1	0	0	0	<10	4
APR 13...	0700	2	1	100	0	0	<10	0
JUN 08...	1030	1	1	0	<10	0	10	10

DATE	TOTAL COBALT (CO) (UG/L)	DIS- SOLVED COBALT (CO) (UG/L)	TOTAL COPPER (CU) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL IRON (FE) (UG/L)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL MAN- GANESE (MN) (UG/L)
OCT 20...	0	0	0	0	590	110	4	2	100
DEC 29...	1	0	0	0	1200	140	2	2	80
APR 13...	0	0	0	0	740	130	9	0	60
JUN 08...	<50	0	<10	1	1000	80	<100	1	210

DATE	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED SILVER (AG) (UG/L)	TOTAL ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
OCT 20...	60	.0	.0	0	0	0	20	10
DEC 29...	40	.2	.2	0	0	0	30	30
APR 13...	20	.0	.0	0	0	0	100	10
JUN 08...	100	.0	.0	0	0	0	10	10

08030500 SABINE RIVER NEAR RULIFF, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS-PENDED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	SUS-PENDED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	DIS-SOLVED URANIUM (U) (UG/L)
OCT 20...	0900	<1.8	.6	4.6	1.1	3.7	1.0	.16	.03

DATE	TIME	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)
OCT 20...	0900	.0	0	.00	.00	.0	.0	0	.00	.0
NOV 08...	1145	--	--	--	ND	--	ND	--	ND	--
DEC 29...	0800	.0	0	.00	.00	.3	.0	0	.00	.0
FEB 24...	1350	--	--	--	ND	--	ND	--	ND	--
APR 13...	0700	.0	0	.00	.00	.0	.0	0	.00	.0
MAY 10...	1130	--	--	--	.01	--	ND	--	ND	--
JUN 08...	1030	.0	1	.00	.00	7.3	.0	0	.00	.0

DATE	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIAZINON (UG/L)	TOTAL DIELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)
OCT 20...	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00
NOV 08...	ND	--	ND	--	ND	ND	--	ND	--	ND
DEC 29...	.00	.0	.00	.0	.00	.00	1.2	.00	.0	.00
FEB 24...	ND	--	ND	--	ND	ND	--	ND	--	ND
APR 13...	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00
MAY 10...	ND	--	ND	--	ND	ND	--	ND	--	ND
JUN 08...	.00	.0	.00	.0	.00	.00	.5	.00	.0	.00

DATE	TOTAL HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALATHION (UG/L)	TOTAL METHOXYCHLOR (UG/L)	TOTAL METHYL PARATHION (UG/L)
OCT 20...	.00	.0	.00	.0	.00	.0	.00	--	.00
NOV 08...	ND	--	ND	--	ND	--	ND	ND	ND
DEC 29...	.00	.0	.00	.0	.00	.0	.00	--	.00
FEB 24...	ND	--	ND	--	ND	--	ND	ND	ND
APR 13...	.00	.0	.00	.0	.00	.0	.00	--	.00
MAY 10...	ND	--	ND	--	ND	--	ND	ND	ND
JUN 08...	.00	.0	.00	.0	.00	.0	.00	--	.00

SABINE RIVER BASIN

08030500 SABINE RIVER NEAR RULIFF, TX--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL METHYL TRI- THION (UG/L)	TOTAL PARA- THION (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TOTAL ATRA- ZINE (UG/L)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
OCT 20...	.00	.00	0	0	.00	--	.00	.00	.00
NOV 08...	ND	ND	ND	--	ND	ND	ND	ND	ND
DEC 29...	.00	.00	0	0	.00	--	.00	.00	.00
FEB 24...	ND	ND	ND	--	ND	ND	ND	ND	ND
APR 13...	.00	.00	0	0	.00	--	.00	.00	.00
MAY 10...	ND	ND	ND	--	ND	ND	ND	ND	ND
JUN 08...	.00	.00	0	0	.00	--	.00	.00	.00

MONTHLY AND ANNUAL MEANS AND LOADS FOR WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

MONTH	DISCHARGE (CFS-DAYS)	SPECIFIC CONDUCT- ANCE (MICRO- MHOS)	DIS- SOLVED SOLIDS (MG/L)	DIS- SOLVED SOLIDS (TONS)	DIS- SOLVED CHLORIDE (MG/L)	DIS- SOLVED CHLORIDE (TONS)	DIS- SOLVED SULFATE (MG/L)	DIS- SOLVED SULFATE (TONS)	HARDNESS (CA+MG) (MG/L)
OCT. 1976.....	54583	186	99	14600	24	3490	18	2580	33
NOV. 1976.....	45047	178	94	11500	23	2750	17	2040	32
DEC. 1976.....	127500	122	68	23300	15	5260	12	4070	24
JAN. 1977.....	218610	129	71	41800	16	9550	12	7270	25
FEB. 1977.....	228430	155	84	51500	19	12000	15	9000	29
MAR. 1977.....	420340	159	85	97000	20	22800	15	17000	29
APR. 1977.....	388390	167	89	93600	21	22200	16	16500	30
MAY 1977.....	189720	187	98	50200	24	12100	17	8940	33
JUNE 1977.....	126660	208	110	37500	28	9530	20	6670	37
JULY 1977.....	114920	212	110	34600	28	8840	20	6160	37
AUG. 1977.....	137050	208	110	40000	27	10000	19	7150	37
SEPT 1977.....	134480	210	110	39800	28	10000	20	7160	37
TOTAL	2185730	**	**	535000	**	129000	**	94500	**
WTD.AVG.	5988.3	170	91	**	22	**	16	**	31

08030500 SABINE RIVER NEAR RULIFF, TX--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25 DEG. C) • WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977
ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	181	166	151	149	127	189	153	187	200	228	211	206
2	177	170	156	164	155	191	159	163	213	230	207	211
3	180	158	163	171	146	214	165	165	206	225	208	210
4	182	176	180	162	127	189	150	166	203	230	216	210
5	183	189	217	150	105	177	151	164	204	234	221	213
6	192	222	190	142	97	150	155	165	206	230	216	214
7	202	214	168	132	103	117	165	174	207	234	219	210
8	208	199	123	133	102	110	176	181	203	199	221	223
9	204	195	111	143	103	116	179	187	203	207	218	214
10	231	191	108	133	116	127	183	192	209	211	219	209
11	211	190	118	108	127	139	186	193	211	212	220	207
12	207	189	124	75	136	155	188	194	216	209	219	199
13	202	185	110	100	148	158	191	191	213	206	218	202
14	204	182	98	96	146	147	187	196	203	204	215	198
15	202	179	110	86	143	145	193	196	197	200	207	207
16	201	168	94	75	182	148	197	194	193	205	208	214
17	166	166	101	63	174	156	185	195	195	209	201	216
18	182	159	96	64	177	161	172	196	181	205	189	215
19	189	196	98	69	184	153	193	194	188	201	208	214
20	174	211	97	88	183	194	192	193	201	197	213	212
21	164	169	87	130	183	180	184	184	189	188	198	207
22	199	175	92	150	185	183	156	189	190	209	195	206
23	173	129	103	155	187	184	130	190	212	219	192	205
24	181	138	147	161	185	186	128	193	223	211	200	209
25	188	164	150	162	183	188	136	197	199	210	192	217
26	193	188	154	167	185	185	151	184	221	204	187	216
27	198	198	142	172	185	181	163	205	224	201	199	214
28	200	192	111	181	188	177	172	208	220	203	208	212
29	203	182	105	182	---	172	178	207	224	211	207	209
30	182	153	99	166	---	162	179	206	293	209	207	213
31	174	---	136	164	---	152	---	199	---	208	204	---

TEMPERATURE (DEG. C) OF WATER, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

ONCE-DAILY

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	23.0	13.0	9.0	9.0	8.0	12.0	17.0	19.0	27.0	29.0	29.0	29.0
2	23.0	14.0	8.0	8.0	8.0	11.0	16.0	21.0	27.0	29.0	29.0	29.0
3	23.0	13.0	8.0	7.0	8.0	13.0	18.0	---	27.0	29.0	29.0	29.0
4	---	14.0	8.0	8.0	8.0	12.0	18.0	---	27.0	29.0	29.0	29.0
5	23.0	14.0	7.0	8.0	9.0	12.0	18.0	---	27.0	29.0	29.0	29.0
6	24.0	14.0	10.0	9.0	8.0	12.0	17.0	22.0	28.0	29.0	30.0	29.0
7	22.0	14.0	10.0	8.0	9.0	12.0	18.0	24.0	28.0	29.0	30.0	29.0
8	21.0	14.0	9.0	7.0	8.0	12.0	18.0	24.0	27.0	29.0	29.0	29.0
9	19.0	14.0	8.0	9.0	8.0	12.0	18.0	---	27.0	29.0	29.0	29.0
10	18.0	15.0	9.0	7.0	9.0	12.0	18.0	23.0	27.0	29.0	29.0	29.0
11	19.0	15.0	11.0	7.0	9.0	12.0	18.0	---	27.0	29.0	29.0	29.0
12	18.0	14.0	11.0	7.0	10.0	12.0	19.0	23.0	27.0	29.0	29.0	28.0
13	19.0	13.0	12.0	7.0	11.0	12.0	19.0	23.0	27.0	29.0	29.0	28.0
14	19.0	12.0	11.0	9.0	15.0	14.0	19.0	23.0	27.0	29.0	29.0	27.0
15	20.0	10.0	11.0	7.0	11.0	14.0	19.0	23.0	27.0	29.0	29.0	27.0
16	20.0	9.0	11.0	7.0	10.0	20.0	19.0	---	26.0	28.0	29.0	26.0
17	19.0	9.0	11.0	7.0	9.0	16.0	---	---	27.0	28.0	29.0	26.0
18	19.0	9.0	12.0	7.0	9.0	16.0	---	---	26.0	28.0	29.0	26.0
19	18.0	11.0	12.0	4.0	11.0	18.0	19.0	---	26.0	28.0	29.0	26.0
20	17.0	12.0	12.0	4.0	11.0	18.0	19.0	23.0	27.0	28.0	28.0	26.0
21	16.0	12.0	10.0	6.0	11.0	17.0	19.0	24.0	27.0	28.0	28.0	25.0
22	15.0	12.0	9.0	6.0	11.0	15.0	19.0	24.0	27.0	28.0	28.0	25.0
23	16.0	11.0	9.0	7.0	12.0	14.0	19.0	24.0	29.0	28.0	28.0	26.0
24	17.0	14.0	16.0	8.0	13.0	15.0	18.0	24.0	29.0	28.0	28.0	27.0
25	18.0	14.0	13.0	7.0	14.0	15.0	18.0	24.0	29.0	28.0	28.0	27.0
26	18.0	13.0	9.0	7.0	14.0	15.0	18.0	25.0	29.0	28.0	28.0	28.0
27	17.0	15.0	9.0	8.0	14.0	14.0	19.0	25.0	29.0	28.0	28.0	28.0
28	16.0	15.0	10.0	9.0	12.0	14.0	19.0	26.0	29.0	28.0	28.0	28.0
29	15.0	12.0	9.0	8.0	---	14.0	19.0	27.0	29.0	28.0	29.0	28.0
30	14.0	9.0	9.0	8.0	---	17.0	19.0	27.0	28.0	28.0	28.0	---
31	13.0	---	9.0	8.0	---	17.0	---	27.0	---	30.0	29.0	---

08030500 SABINE RIVER NEAR RULIFF, TX--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

OCT. 20, 1976 0900 HOURS

PHYTOPLANKTON 120 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
---------------	----------	----------

CHRYSTOPHYTA

.BACILLARIOPHYCEAE

..PENNALES

...NITZSCHIAEAE

....NITZSCHIA

120 100

NOV. 8, 1976 1145 HOURS

PHYTOPLANKTON 640 CELLS/ML

CHRYSTOPHYTA

.BACILLARIOPHYCEAE

..CENTRALES

...COSCIDINODISCAEAE

...CYCLOTETRA

...MELOSIRA

..PENNALES

...ACHNANTHACEAE

...COCCONEIS

...GOMPHONEMATAEAE

...GOMPHONEMA

...NAVICULACEAE

...NAVICULA

CYANOPHYTA

.MYXOPHYCEAE

..CHROOCOCCALES

...CHROOCOCCACEAE

...ANACYSTIS

...OSCILLATORIALES

...OSCILLATORIAEAE

...OSCILLATORIA

EUGLENOPHYTA

.EUGLENOPHYCEAE

..EUGLENALES

...EUGLENACEAE

...TRACHELOMONAS

32 5

DEC. 29, 1976 0800 HOURS

PHYTOPLANKTON 820 CELLS/ML

CHLOROPHYTA

.CHLOROPHYCEAE

..CHLOROCOCCALES

...MICRACINIAEAE

...GOLLENKINIA

...OOCYSTACEAE

...ANKISTRODESMUS

...WESTELLA

...SCENEDESMACEAE

...SCENEDESMUS

..TETRASPORALES

...COCCOMYXACEAE

...ELAKATOTHRIX

...PALMELLACEAE

...GLOEOCYSTIS

...VOLVOCALES

...CHLAMYDOMONADACEAE

...CHLAMYDOMONAS

CHRYSTOPHYTA

.BACILLARIOPHYCEAE

..CENTRALES

...COSCIDINODISCAEAE

...CYCLOTETRA

...MELOSIRA

..PENNALES

...ACHNANTHACEAE

...ACHNANTHES

...DISTOMACEAE

...DIATOMA

...EUNOTIAEAE

...EUNOTIA

...FRAGILARIAEAE

...SYNEDRA

...NAVICULACEAE

...NAVICULA

...PINNULARIA

...STAURONEIS

...NITZSCHIAEAE

...NITZSCHIA

...SURIPELLACEAE

...SURIPELLA

49 6

0

DEC. 29, 1976 0800 HOURS -- Continued

PHYTOPLANKTON 820 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
---------------	----------	----------

.CHRYSTOPHYCEAE

..CHRYSONOMADALES

...MALLOMONADACEAE

...MALLOMONAS

CYANOPHYTA

.MYXOPHYCEAE

..CHROOCOCCALES

...CHROOCOCCACEAE

...AGMENELLUM

...ANACYSTIS

...OSCILLATORIALES

...OSCILLATORIAEAE

...LYNGBYA

...OSCILLATORIA

EUGLENOPHYTA

.CRYPTOPHYCEAE

..CRYPTOMONIDALES

...CRYPTOMONADACEAE

...CRYPTOMONAS

PYRRHOPHYTA

.DINOPHYCEAE

..PERIDINIALES

...GLENODINIACEAE

...GLENODINIUM

120 14

65 8

180 22

150 18

0

0

JAN. 18, 1977 1200 HOURS

PHYTOPLANKTON 210 CELLS/ML

CHLOROPHYTA

.CHLOROPHYCEAE

..CHLOROCOCCALES

...OOCYSTACEAE

...ANKISTRODESMUS

...OOCYSTIS

...VOLVOCALES

...CHLAMYDOMONADACEAE

...CHLAMYDOMONAS

CHRYSTOPHYTA

.BACILLARIOPHYCEAE

..CENTRALES

...COSCIDINODISCAEAE

...MELOSIRA

..PENNALES

...ACHNANTHACEAE

...ACHNANTHES

...GOMPHONEMATAEAE

...GOMPHONEMA

...NAVICULACEAE

...FRUSTULIA

...NAVICULA

...NEIDIUM

...PINNULARIA

...STAURONEIS

...NITZSCHIAEAE

...NITZSCHIA

...SURIPELLACEAE

...SURIPELLA

.CHRYSTOPHYCEAE

..CHRYSONOMADALES

...OCHROMONADACEAE

...DINOBRYON

...OCHROMONAS

...SYNURACEAE

...SYNURA

CYANOPHYTA

.MYXOPHYCEAE

..CHROOCOCCALES

...CHROOCOCCACEAE

...ANACYSTIS

EUGLENOPHYTA

.CRYPTOPHYCEAE

..CRYPTOMONIDALES

...CRYPTOCHRYSIDACEAE

...CHROOMONAS

.EUGLENOPHYCEAE

..EUGLENALES

...EUGLENACEAE

...LEPOCINCLIS

25 12

29 14

14 7

0

4 2

18 8

22 10

4 2

4 2

4 2

18 8

4 2

11 5

0

18 8

18 8

08030500 SABINE RIVER NEAR RULIFF, TX--Continued

QUALITATIVE AND ASSOCIATED QUANTITATIVE ANALYSES OF BIOLOGICAL DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

FEB. 24, 1977 1350 HOURS

PHYTOPLANKTON 600 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
..CHLOROPHYCEAE		
...CHLOROCOCCALES		
...OOCYSTACEAE		
...ANKISTRODESMUS	270	44
...KIRCHNERIELLA	8	1
...SCENFDESMACEAE		
...SCENEDESMUS	34	6
CHRYSTOPHYTA		
..BACILLARIOPHYCEAE		
..CENTRALES		
...COSCONODISCACEAE		
...MELOSIRA	38	6
..PENNALES		
...ACHNANTHACEAE		
...ACHNANTHES	46	8
...COCCONEIS	4	1
...CYMBELLACEAE		
...CYMBELLA	4	1
...FRAGILARIACEAE		
...ASTERIONELLA	4	1
...FRAGILARIA	8	1
...NAVICULACEAE		
...NAVICULA	59	10
...PINNULARIA	8	1
...NITZSCHIA		
...NITZSCHIA	51	8
CHRYSTOPHYCEAE		
..CHRYSONOMADALES		
...OCHROMONADACEAE		
...DINOBRYON	34	6
CYANOPHYTA		
..MYXOPHYCEAE		
..CHROOCOCCALES		
...CHROOCOCCACEAE		
...ANACYSTIS	34	6

MAY 10, 1977 1130 HOURS

PHYTOPLANKTON 4,700 CELLS/ML

ORGANISM NAME	CELLS/ML	PER_CENT
CHLOROPHYTA		
..CHLOROPHYCEAE		
...CHLOROCOCCALES		
...CHARACIACEAE		
...SCHROEDERIA	10	0
...COELASTRACEAE		
...COELASTRUM	10	0
...OOCYSTACEAE		
...ANKISTRODESMUS	30	1
...CHODATELLA	20	0
...POLYDRIOPSIS	10	0
...SELENASTRUM	20	0
...CRUCIGENIA	69	1
...SCENEDESMUS	130	3
CHRYSTOPHYTA		
..BACILLARIOPHYCEAE		
..CENTRALES		
...COSCONODISCACEAE		
...CYCLOTELLA	59	1
...MELOSIRA	280	6
..PENNALES		
...CYMBELLACEAE		
...CYMBELLA	10	0
...NAVICULACEAE		
...NAVICULA	10	0
...DIPLONEIS	10	0
...NAVICULA	10	0
...STAURONEIS	10	0
...NITZSCHIA		
...NITZSCHIA	120	3
..XANTHOPHYCEAE		
...HETEROCOCCALES		
...CHLOROTHECIACEAE		
...OPHIOCYTUM	10	0
CYANOPHYTA		
..MYXOPHYCEAE		
..CHROOCOCCALES		
...CHROOCOCCACEAE		
...AGMENELLUM	160	3
...ANACYSTIS	1,900	41
...OSCILLATORIALES		
...OSCILLATORIA		
...OSCILLATORIA	1,700	37
EUGLENOPHYTA		
..EUGLENOPHYCEAE		
...EUGLENALES		
...EUGLENACEAE		
...EUGLENA	10	0
...TRACHELOMONAS	69	1

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 two tables. The first is a table of annual maximum stage and discharge at crest-stage stations and the second is a table of peak elevations at flood-profile stations. Discharge measurements made at miscellaneous sites for both low flow and high flow are given in a third table.

Crest-stage partial-record stations

The following table contains annual maximum 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 1977

						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							
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 milcs 2.3 km) southeast of Bogalusa water tower.	75.9	1969-77	4-22-77	79.10	7,400
02490130	Coburn Creek at Bogalusa, La.	Lat 30°47'46", long 89°50'46", Washington Parish, at bridge on State Highway 21, and 1.0 miles (1.6 km) southeast of Bogalusa water tower.	7.96	1969-77	4-22-77	4.48	(†)
02491200	Silver Creek near Clifton, La.	Lat 30°55'30", long 90°14'30", Washington Parish, at bridge on State Highway 38, and 3.6 miles (5.8 km) west of Clifton.	50.1	1966-77	2-12-66 4-14-67 4-14-68 4-13-69 1970 6- 3-71 12- 6-71 3-24-73 12-26-73 1-10-75 2- 1-76 4-22-77	9.63 8.62 4.70 7.49 <3.4 6.41 8.84 9.58 6.02 8.77 3.93 9.06	a5,750 a4,300 a820 a2,900 (†) a1,860 a4,600 a5,650 a1,560 a4,500 a540 4,910
02491350	Hays Creek near Franklinton, La.	Lat 30°53'16", long 90°11'28", Washington Parish, at bridge on State Highway 25, and 3.4 miles (5.5 km) northwest of Franklinton water tower.	42.2	1966-77	2- 2-66 4-14-67 1968 4-13-69 1970 6- 3-71 5- 8-72 3-24-73 12-26-73 1-10-75 1976 4-22-77	12.60 11.74 <8.60 11.74 <8.60 10.30 12.95 14.69 13.93 11.97 <8.63 13.85	a3,740 a2,750 (†) a2,750 (†) a1,490 a4,170 a6,500 a5,470 a3,000 (†) 5,350
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 miles (3.2 km) east of Franklinton.	44.2	1964-77	4-14-75 4-22-77	10.49 12.94	a3,260 8,890
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 miles (1.9 km) northwest of Turnbull.	22.3	1950-61, 1963-68, 1974-77	1977	<15.71	(†)
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 mile (0.8 km) west of Jackson.	99.3	1949-59, 1972-73, 1975-77	4-22-77	87.14	15,700
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 miles (2.7 km) southeast of Starhill.	249	1949-68, 1973, 1975-77	3-25-75 4-22-77	43.24 43.88	a37,000 44,000

See footnotes at end of the table.

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1977--Continued

						Annual maximum	
Station no.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Gage height (feet)	Dis-charge (ft ³ /s)
Thompson Creek basin--Continued							
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 mile (1.6 km) northeast of St. Francisville.	23.9	1953-68, 1971-73, 1975-77	4-22-77	12.20	7,900
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 miles (5.5 km) northwest of Baker.	13.7	1953-66, 1975-77	4-22-77	24.56	5,950
Mississippi River Delta							
07374700	Tchefuncta River near Franklinton, La.	Lat 30°45'22", long 90°15'52", Washington Parish, at bridge on State Highway 16, 9.0 miles (14.5 km) southwest of Franklinton.	53.1	1949-68, 1975-76b, 1977	2-13-50 5- 3-53 12- 4-53 4- 5-57 11-13-61 3- 3-64 2-13-66 4-14-67 4-15-75 1976 4-22-77	45.42 45.48 45.17 45.05 47.29 45.35 46.18 45.22 45.98 <43.82 47.04	a4,300 a4,430 a3,740 a3,490 a9,560 a4,130 a6,220 a3,850 a5,700 (†) 8,800
07375170	Bogue Falaya at Covington, La.	Lat 30°29'58", long 90°05'04", St. Tammany Parish, at bridge on State Highway 437, and 1.0 mile (1.6 km) northeast of Covington	88.2	1964-77	4-22-77	17.11	6,170
07375222	Abita River north of Abita Springs, La.	Lat 30°28'55", long 90°02'20", St. Tammany Parish, at bridge on State Highway 36, and 0.2 mile (0.3 km) north of Abita Springs.	46.1	1966-77	8-25-77	22.16	3,000
07375300	Tangipahoa River near Kentwood, La.	Lat 30°56'15", long 90°29'25", Tangipahoa Parish, at bridge on State Highway 38, and 1.1 miles (1.8 km) east of Kentwood.	296	1951-68, 1975-77	4-22-77	14.65	(†)
07375307	Terry's Creek near Kentwood, La.	Lat 30°57'23", long 90°30'13", Tangipahoa Parish, at bridge on U.S. Highway 51, and 5.1 miles (8.2 km) northeast of Kentwood.	52	1966-77	4-22-77	12.56	(†)
07375453	Lanier Creek near Loranger, La.	Lat 30°36'25", long 90°24'35", Tangipahoa Parish, at culvert on State Highway 442, and 2.3 miles (3.7 km) south of Loranger.	.83	1967-71, 1975-77	4-22-77	14.72	(†)
07375463	Chappeeela Creek near Husser, La.	Lat 30°39'35", long 90°18'45", Tangipahoa Parish, at bridge on State Highway 445, and 1.9 miles (3.1 km) southeast of Husser.	31.7	1966-77	5-23-74 4-14-75 4-22-77	26.22 26.08 26.05	f6,100 f5,750 5,700
07375480	Chappeeela Creek southeast of Loranger, La.	Lat 30°36'22", long 90°19'56", Tangipahoa Parish, at bridge on State Highway 40, and 4.5 miles (7.2 km) southeast of Loranger.	91.0	1964-77	4-22-77	14.72	13,000
07375600	Washley Creek near Robert, La.	Lat 30°30'20", long 90°18'30", Tangipahoa Parish, at bridge on U.S. Highway 190, and 2.0 miles (3.2 km) east of Robert.	25.3	1951-77	7- 5-75 1976 9- 6-77	8.64 <6.73 11.48	1,220 (†) 2,930
07375800	Tickfaw River at Liverpool, La.	Lat 30°55'47", long 90°40'41", St. Helena Parish, at bridge on State Highway 38, and 1.0 mile (1.6 km) north of Liverpool.	89.7	1956-68†, 1969-77	4-22-77	12.18	12,500
07375960	Tickfaw River at Montpelier, La.	Lat 30°41'10", long 90°38'35", St. Helena Parish, at bridge on State Highway 16, and 0.5 mile (0.8 km) northeast of Montpelier.	220	1951-68, 1975-77	5- 3-53 4-29-62 2-13-66 4-15-67 5-23-74 4-22-77	103.93 104.41 103.62 102.91 108.31 106.18	10,700 12,800 9,800 8,300 32,500 21,500
07376285	Hickory Branch near Albany, La.	Lat 30°28'00", long 90°36'35", Livingston Parish, at culvert on unnumbered parish road, 2.3 miles (3.7 km) southeast of junction with State Highway 441, and 3.0 miles (4.8 km) southwest of Albany.	1.25	1966-71, 1975-77	8-25-77	11.35	(†)

See footnotes at end of the table.

DISCHARGE AT PARTIAL-RECORD STATIONS AND MISCELLANEOUS SITES

ANNUAL MAXIMUM DISCHARGE AT CREST-STAGE PARTIAL-RECORD STATIONS DURING WATER YEAR 1977--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 miles (6.0 km) northwest of Springfield.	26.6	1964-77	4-22-77	19.42	2,400
07376520	Little Natalbany River at Albany, La.	Lat 30°30'15", long 90°34'40", Livingston Parish, at bridge on U.S. Highway 190, and 0.3 mile (0.5 km) east of Albany.	40.6	1966-77	9- 6-77	27.91	5,520
07376600	Ponchatoula Creek at Natalbany, La.	Lat 30°33'40", long 90°28'55", Tangipahoa Parish, at bridge on U.S. Highway 51, and 1.0 mile (1.6 km) north of Natalbany.	13.8	1951-77	9- 6-77	11.78	1,520
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 miles (9.5 km) southeast of Clinton.	17.2	1966-77	2-17-66	12.80	a2,360
					4-14-67	12.58	a2,050
					5-25-68	8.30	a400
					4-13-69	11.74	a1,080
					1970	>7.80	(†)
					9-17-71	9.73	a540
					12- 6-71	11.03	a760
					3-24-73	13.83	a4,020
					5-23-74	14.56	a5,300
					5- 8-75	11.90	a1,240
					1- 4-76	9.35	a500
					4-22-77	14.96	6,050
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 mile (1.3 km) east of intersection of Carlson Road with State Highway 409, and 1.9 miles (3.1 km) southeast of Pride.	(*)	1976-77	4-22-77	20.03	(†)
07377300	Amite River at Magnolia, La.	Lat 30°32'05", long 90°58'50", East Baton Rouge Parish, at bridge on State Highway 64, and 0.4 mile (0.6 km) east of Magnolia.	884	1949-77	4-23-77	51.91	(†)
07377700	Redwood Creek near Slaughter, La.	Lat 30°43'44", long 91°06'54", East Feliciana Parish, at bridge on State Highway 412, and 2.0 miles (3.2 km) northeast of Slaughter.	41.1	1966-68†, 1969-77	4-22-77	18.60	4,200
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 mile (0.3 km) southwest of intersection of State Highways 64 and 964, and 3.6 miles (5.8 km) southeast of Fred.	(*)	1975-77	9- 6-77	12.01	(†)
07380160	Middle Colyell Creek near Walker, La.	Lat 30°29'45", long 90°50'30", Livingston Parish, at bridge on U.S. Highway 190, and 1.3 miles (2.1 km) east of Walker.	20.3	1951-77	4-22-77	5.49	1,280
07381413	Intracoastal Waterway tributary near Port Allen, La.	Lat 30°26'42", long 91°13'53", West Baton Rouge Parish, on Interstate Highway 10, 0.2 mile (0.3 km) upstream from mouth, and 1.4 miles (2.3 km) southwest of Port Allen.	9.08	1971-76	4-22-77	9.36	(†)

† Discharge not determined.

< Less than amount shown.

‡ Operated as a continuous-record gaging station.

* Drainage area not determined.

a Not previously published.

b Operated as a flood-profile partial-record station.

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 1977

						Flood peak
Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Elevation (feet above mean sea level)
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 mile (0.8 km) south of Enon.	1,107	1949-63, 1974-77	4-22-77	+24.90
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 miles (5.6 km) northeast of Slidell.	--	1966-77	4-22-77	+9.35
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 miles (0.5 km) west of Baker	--	1962-77	1977	<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 miles (4.3 km) southwest of Baker.	--	1962-77	4-22-77	48.42
07373993	Monte Sano Bayou at Ryan Airport, at	Lat 30°32'08", long 91°09'92", East Baton Rouge Parish, at bridge on service road at Ryan Airport, 6.1 miles (9.8 km) north of Baton Rouge Post Office.	--	1975-77	9- 6-77	58.29
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, La.	--	1975-77	9- 6-77	44.40
Mississippi River Delta						
07374570	Oakes diversion channel at Slidell, La.	Lat 30°17'35", long 89°46'00", St. Tammany Parish, at culvert on Roberts Road, 0.4 mile (0.6 km) north of Couss Road, at Slidell.	--	1966-77	4-22-77	+6.71
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 mile (1.6 km) east of Tangipahoa.	340	1959-65, 1967-75, 1977	4-22-77	+15.50
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 mile (1.1 km) east of Arcola.	381	1959-65, 1967-77	4-22-77	+24.66
07377150	Amite River at Grangeville, La.	Lat 30°44'10", long 90°50'30", East Feliciana-St. Helena Parish line, at bridge on State Highway 37, and 0.5 mile (0.8 km) southwest of Grangeville.	741	1951-63a, 1964-77	4-22-77	116.34
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 miles (4.7 km) north of Milldale, La.	--	1975-77	4-22-77	+13.74
07377400	Comite River near Clinton, La.	Lat 30°51'30", long 91°02'20", East Feliciana Parish, at bridge on State Highway 10, and 1.3 miles (2.1 km) west of Clinton.	b112	1949-65a 1969-77	4-22-77	180.11
07377750	Comite River near Zachary, La.	Lat 30°38'35", long 91°05'40", East Baton Rouge Parish, at bridge on State Highway 64, and 3.7 miles (6.0 km) east of Zachary,	230	1951-63a, 1964-77	4-22-77	89.95
07377760	Comite River at Comite Drive, near Baton Rouge, La.	Lat 30°33'24", long 91°05'53", East Baton Rouge Parish, at bridge 9.0 miles (14.5 km) north-east of Baton Rouge Post Office	--	1962-77	4-22-77	63.84
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	4-22-77	91.60
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 miles (16.1 km) northeast of Baton Rouge Post Office.	--	1962-77	4-22-77	71.78

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1977--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Date	Flood peak
						Elevation (feet above mean sea level)
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 mile (0.3 km) east of State Highway 19 at Baker.	--	1967-77	1977	<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 miles (11.1 km) northeast of Baton Rouge Post Office.	--	1962-65, 1967-77	4-22-77 9- 6-77	53.87 54.20
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 miles (11.3 km) northeast of Baton Rouge Post Office.	--	1962-77	4-22-77 9- 6-77	53.88 47.43
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 miles (6.1 km) southeast of Fred.	--	1975-77	4-22-77	†11.79
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 miles (13.7 km) northeast of Baton Rouge Post Office.	14.1	1962-77	4-22-77	52.99
07378008	Hurricane Creek at Baton Rouge, La.	Lat 30°28'55", long 91°07'41", East Baton Rouge Parish, at bridge on East Brookstown Drive, 3.9 miles (6.3 km) northeast of Baton Rouge Post Office.	--	1967-77	4-22-77	45.12
07378010	Hurricane Creek near Baton Rouge La,	Lat 30°28'14", long 91°05'20", East Baton Route Parish, at bridge on Joor Road, 6.2 miles (10.0 km) northeast of Baton Rouge Post Office.	--	1962-77	4-22-77	48.46
07378015	Roberts Canal at Baton Rouge, La.	Lat 30°30'22", long 91°07'31", East Baton Rouge Parish, at bridge on Silver Leaf Ave. 5.3 miles (8.5 km) northeast of Baton Rouge Post Office.	--	1967-77	4-22-77 9- 6-77	48.89 49.14
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 miles (10.6 km) northeast of Baton Rouge Post Office.	--	1962-77	4-22-77 9- 6-77	48.45 42.26
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 miles (15.1 km) northeast of Baton Rouge Post Office.	--	1962-77	4-22-77	47.05
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 miles (22.0 km) northeast of Baton Rouge Post Office.	--	1973-77	4-22-77	†15.46
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 miles (19.0 km) northeast of Baton Rouge Post Office.	--	1972-77	4-22-77	†16.36
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 miles (8.2 km) northeast of Baton Rouge Post Office.	--	1967-77	4-22-77 9- 6-77	c47.32 49.81
07378600	Jones Creek at Florida Blvd., at Baton Rouge, La.	Lat 30°27'21", long 91°04'29", East Baton Rouge Parish, at bridge 6.5 miles (10.5 km) east of Baton Rouge Post Office.	--	1962-77	4-22-77 9- 6-77	41.00 45.44
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 miles (14.5 km) northeast of Baton Rouge Post Office.	--	1967-77	4-22-77 9- 6-77	d39.92 43.04
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 miles (14.3 km) east of Baton Rouge Post Office.	--	1967-77	4-22-77 9- 6-77	38.51 41.20

See footnotes at end of the table.

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1977--Continued

Station No.	Station name	Location	Drainage area (mi ²)	Period of record	Flood peak	
					Date	Elevation (feet above mean sea level)
Mississippi River Delta--Continued						
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 miles (14.2 km) southeast of Baton Rouge Post Office.	--	1967-77	4-22-77 9- 6-77	36.19 40.18
07378650	Jones Creek at Old Hammond Hwy., near Baton Rouge, La.	Lat 30°26'26", long 91°02'40", East Baton Rouge Parish, at bridge 8.4 miles (13.5 km) east of Baton Rouge Post Office.	--	1962-77	4-22-77 9- 6-77	34.95 39.18
07378670	Weiner Creek near Baton Rouge, La.	Lat 30°25'08", long 91°03'55", East Baton Rouge Parish, at bridge on Aubin Lane, 7.3 miles (11.7 km) southeast of Baton Rouge Post Office.	--	1967-77	4-22-77 9- 6-77	e41.84 41.16
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 miles (2.6 km) north of Woodlawn School, and 10.5 miles (16.9 km) east of Baton Rouge Post Office.	19.5	1967-77	4-23-77 9- 6-77	32.00 28.21
07378710	Amite River near Baton Rouge, La.	Lat 30°23'52", long 90°58'23", East Baton Rouge Parish, 0.2 mile (0.3 km) downstream from Jones Creek, and 13 miles (20.9 km) southeast of Baton Rouge Post Office.	--	1968-77	4-23-77 9- 6-77	28.39 17.60
07378720	Clay Cut Bayou at Siegen Lane, near Baton Rouge, La.	Lat 30°23'46", long 91°03'20", East Baton Rouge Parish, at bridge 7.9 miles (12.7 km) southeast of Baton Rouge Post Office.	--	1967-77	4-23-77 9- 6-77	25.78 27.98
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 miles (3.7 km) northeast of Hope Villa.	--	1967-77	4-23-77 9- 6-77	24.82 18.42
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 miles (6.8 km) south-east of Baton Rouge Post Office.	--	1962-77	4-23-77	18.62
07378800	Bayou Fountain at Gardere Lane, near Baton Rouge, La.	Lat 30°21'52", long 91°07'16", East Baton Rouge Parish, at bridge 6.9 miles (11.1 km) southeast of Baton Rouge Post Office.	--	1962-66, 1969-77	4-23-77	15.81
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 miles (14.6 km) southeast of Baton Rouge Post Office.	--	1967-77	4-23-77	14.34
07379010	Ward Creek at College Drive at Baton Rouge, La.	Lat 30°26'08", long 91°07'59", East Baton Rouge Parish, at bridge 3.5 miles (5.6 km) south-east of Baton Rouge Post Office.	--	1967 1969-77	9- 6-77	38.16
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 miles (9.2 km) southeast of Baton Rouge Post office.	--	1962-71, 1975-77	9- 6-77	29.20
07379090	North Branch Ward Creek at Goodwood Blvd., at Baton Rouge, La.	Lat 30°26'34", long 91°05'57", East Baton Rouge Parish, at bridge 5.5 miles (8.9 km) south-east of Baton Rouge Post Office.	--	1967-77	9- 6-77	38.30
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 miles (9.5 km) southeast of Baton Rouge Post Office.	--	1962-77	9- 6-77	31.46
07379400	Dawson Creek at Perkins Road, at Baton Rouge, La.	Lat 30°24'37", long 91°07'53", East Baton Rouge Parish, 4.1 miles (6.6 km) southeast of Baton Rouge Post Office.	--	1962-77	4-27-77 9- 6-77	22.59 22.95
07379502	Corporation Canal at Oklahoma St., at Baton Rouge, La.	Lat 30°26'05", long 91°11'12", East Baton Rouge Parish, at bridge 1.0 mile (1.6 km) south of Baton Rouge Post Office.	.56	1971-77	5-10-76 4-22-77 9- 6-77	f25.45 24.71 22.54
07379503	Corporation Canal at East Roosevelt St., at Baton Rouge, La.	Lat 30°25'18", long 91°10'36", East Baton Rouge Parish, at bridge 2.0 miles (3.2 km) south-east of Baton Rouge Post Office.	gl.31	1971-77	4-22-77 9- 6-77	23.85 22.96
07379505	Corporation Canal at Chimes St., at Baton Rouge, La.	Lat 30°25'02", long 91°10'22", East Baton Rouge Parish, at bridge 2.4 miles (3.9 km) south-east of Baton Rouge Post Office.	gl.44	1971-77	4-22-77 9- 6-77	22.72 22.48

See footnotes at end of the table.

PEAK ELEVATIONS AT FLOOD-PROFILE PARTIAL-RECORD STATIONS

ANNUAL MAXIMUM ELEVATION AT FLOOD-PROFILE PARTIAL-RECORD STATIONS DURING WATER YEAR 1977--Continued

						Flood peak
Station No.	Station name	Location	Drainage area (mi ²)	Period of	Date	Elevation (feet above mean sea level)
Mississippi River Delta--Continued						
07379507	Corporation Canal at Campus Drive, at Baton Rouge, La.	Lat 30°24'14", long 91°10'15", East Baton Rouge Parish, at bridge 2.7 miles (2.3 km) south-east of Baton Rouge Post Office.	g1.64	1971-77	4-22-77	22.01
07379508	Corporation Canal at Stanford Ave., at Baton Rouge, La.	Lat 30°24'24", long 91°09'52", East Baton Rouge Parish, at culvert 3.2 miles (5.1 km) south-east of Baton Rouge Post Office.	g2.43	1971-77	4-22-77 9- 6-77	22.00 22.59
07379550	Bayou Duplanier at Lee Drive, at Baton Rouge, La.	Lat 30°24'05", long 91°09'09", East Baton Rouge Parish, at bridge 3.8 miles (6.1 km) south of Baton Rouge Post Office.	--	1962-77	4-21-77 9- 6-77	22.47 22.60
07379950	Dawson Creek at Staring Lane, near Baton Rouge, La.	Lat 30°23'19", long 91°06'42", East Baton Rouge Parish, at bridge 6.0 miles (9.7 km) southeast of Baton Rouge Post Office.	--	1962-77	4-22-77 9- 6-77	21.37 22.55
07380000	Ward Creek at Siegen Lane, near Baton Rouge, La.	Lat 30°22'30", long 91°04'10", East Baton Rouge Parish, at bridge 0.5 mile (0.8 km) downstream from Dawson Creek, and 8.5 miles (13.7 km) southeast of Baton Rouge Post Office.	40.0	1947-54h, 1955-68a, 1972-77	4-22-77 9- 6-77	19.98 21.36
07380223	New River at Gonzales, La.	Lat 30°14'12", long 90°54'43", Ascension Parish, at bridge on U.S. Highway 61, 0.5 mile (0.8 km) northeast of Gonzales water tower.	--	1963-77	4-23-77	9.98
07380226	Bayou Francois near Gonzales, La.	Lat 30°13'57", long 90°56'49", Ascension Parish, at bridge on State Highway 429, 1.8 miles (2.9 km) west of Gonzales water tower.	--	1963-77	4-23-77	8.83
07380227	Bayou Francois at Gonzales, La.	Lat 30°13'35", long 90°55'14", Ascension Parish, at bridge on State Highway 44, 0.4 mile (0.6 km) southwest of Gonzales water tower.	--	1963-77	4-23-77	8.71
Mermentau River basin						
08012445	Bayou Chene near Welsh, La.	Lat 30°09'24", long 92°46'06", Jefferson Davis Parish, at bridge on parish road, 6.0 miles (9.7 km) southeast of Welsh.	106	1969-77	4-21-77	†20.28

† Gage datum; mean sea level of gage 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 41.60 ft lower.

d Prior to Oct. 1, 1975, at datum 33.23 ft lower.

e Prior to Oct. 1, 1976, at datum 32.58 ft lower.

f Corrected.

g Approximately.

h Operated as a continuous-record gaging station.

DISCHARGE MEASUREMENTS MADE AT MISCELLANEOUS SITES DURING WATER YEAR 1977

Stream	Tributary to	Location	Drainage area (mi ²)	Measured previously (water years)	Measurements	
					Date	Discharge (ft ³ /s)
		Mississippi River main stem				
07374000 Mississippi River	Gulf of Mexico	Lat 30°30'25", long 91°11'55", East Baton Rouge-West Baton Rouge Parish line, at bridge on U.S. Highway 190, at Baton Rouge, La.	al,243,500	1941-58b, 1973-76	2-15-77	174,000

a Owing to interchange of flow between basins, drainage area arbitrarily determined.

b Operated as a continuous-record gaging station.

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA BASIN SPECIAL STUDY

The following data are from samples collected in cooperation with the Corps of Engineers during a special investigation of the Atchafalaya basin.

DATE	TIME	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	DEOXY- GENA- TION CON- STANT K1 TO BASE E	DATE	TIME	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	DEOXY- GENA- TION CON- STANT K1 TO BASE E
294125091124500 BERWICK BAY BELOW RAILROAD BRIDGE AT MORGAN CITY, LA							
MAR , 1977				MAY , 1977			
02...	1200	1.8	.06	08...	1200	.7	.00
APR							
14...	1200	1.6	.07				
294159091222400 WAX LAKE OUTLET ABOVE HIGHWAY 90 BRIDGE NEAR CALUMET, LA							
MAR , 1977				MAY , 1977			
02...	1200	2.0	.08	08...	1200	.7	.00
17...	1200	2.0	.07				
APR							
14...	1200	1.7	.07				
295851091295500 WEST FORK CHICOT PASS NORTHWEST OF MUD LAKE NEAR JEANERETTE, LA							
JAN , 1977				MAR , 1977			
26...	1200	1.8	.08	17...	1200	1.8	.06
FEB							
17...	1200	1.6	.06				
295858091313000 CHANNEL BETWEEN BUFFALO COVE AND LOWER LONG LAKE PASS NEAR JEANERETTE, LA							
MAR , 1977				MAY , 1977			
17...	1200	1.9	.06	26...	1200	4.6	.07
APR							
27...	1200	1.3	.04				
295930091313500 BUFFALO COVE LAKE MIDDLE NEAR JEANERETTE, LA							
MAR , 1977							
12...	1200	4.4	.08				
295942091313300 BUFFALO COVE LAKE NORTH CENTRAL NEAR JEANERETTE, LA							
FEB , 1977				APR , 1977			
17...	1200	2.5	.03	27...	1200	4.2	.09
300000091313300 BUFFALO COVE NORTH END AROUND PENINSULA NEAR JEANERETTE, LA							
JAN , 1977				FEB , 1977			
26...	1200	1.5	.05	09...	1200	2.5	.06
300000091320400 BUFFALO COVE LAKE AT MOUTH OF NORTH SMALL BAYOU NEAR JEANERETTE, LA							
APR , 1977							
20...	1200	3.0	.04				
300030091313000 NORTHERN PROJECTION OF BUFFALO COVE NEAR JEANERETTE, LA							
JAN , 1977				FEB , 1977			
26...	1200	1.5	.10	10...	1200	1.5	.08
300313091322800 SI BON CANAL AT GAYS SLOUGH NEAR JEANERETTE, LA							
APR , 1977							
27...	1200	8.9	.07				

ATCHAFALAYA BASIN SPECIAL STUDY--Continued

DATE	TIME	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	DEOXY- GENA- TION CON- STANT K1 TO BASE E	DATE	TIME	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	DEOXY- GENA- TION CON- STANT K1 TO BASE E
------	------	--	---	------	------	--	---

300320091330000 SI BON CANAL AT LITTLE BAYOU GRAVENBURG NEAR JEANERETTE, LA

FEB , 1977							
17...	1200	1.9	.06				

300458091305200 NORTHWEST ARM OF GRAND LAKE NEAR LOREAUVILLE, LA

APR , 1977							
27...	1200	3.2	.03				

300600091344500 BAYOU EUGENE AT LITTLE GONSOLIN BAYOU NEAR LOREAUVILLE, LA

JAN , 1977				APR , 1977			
26...	1200	3.9	.09	27...	1200	1.4	.05
FEB 17...	1200	2.4	.02				

301002091210000 MOUND DITCH NORTHWEST OF BAYOU SORREL, LA

MAR , 1977							
03...	1200	2.2	.04				

301034091213000 MOUND DITCH BELOW PAT BAY NORTHWEST OF BAYOU SORREL, NEAR BAYOU SORREL, LA

MAY , 1977							
19...	1200	5.0	.09				

301039091213100 PAT BAY AT MOUTH OF MOUND DITCH NORTHWEST OF BAYOU SORREL NEAR BAYOU SORREL, LA

JAN , 1977				APR , 1977			
27...	1200	2.4	.09	14...	1200	2.5	.03
MAR 03...	1200	1.8	.05				

301105091225700 PAT BAY BIG ISLAND CHANNEL NORTHWEST OF BAYOU SORREL, LA

MAR , 1977				MAY , 1977			
15...	1200	5.1	.08	19...	1200	5.8	.10

301130091194500 WILLOW LAKE CANAL NORTH OF BAYOU SORREL, NEAR BAYOU SORREL, LA

MAR , 1977				MAY , 1977			
15...	1200	2.3	.04	19...	1200	7.0	.11
APR 14...	1200	3.2	.05				

301212091223600 PAT BAY ABOVE BIG ISLAND NEAR BAYOU SORREL, LA

JAN , 1977				APR , 1977			
27...	1200	1.9	.07	14...	1200	2.6	.03
MAR 03...	1200	1.8	.04				
15...	1200	2.1	.02				

301659091440900 LEVEE BORROW PIT WEST OF BUTTE LA ROSE, LA

JAN , 1977				APR , 1977			
26...	1200	2.5	.15	20...	1200	1.0	.04
MAR 09...	1200	1.9	.06				

301759091425200 GIN SLOUGH EAST OF HENDERSON, LA

APR , 1977							
27...	1200	2.0	.10				

301945091442700 LAKE BIGEUX WEST OF PLUMB BOB FIELD NEAR HENDERSON, LA

JAN , 1977				FEB , 1977			
26...	1200	1.3	.03	16...	1200	1.3	.02

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA BASIN SPECIAL STUDY--Continued

DATE	TIME	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	DEOXY- GENA- TION CON- STANT K1 TO BASE E	DATE	TIME	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	DEOXY- GENA- TION CON- STANT K1 TO BASE E
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30222091453500 HENDERSON LAKE AT MOUTH OF LITTLE FORDOCHE BAYOU NEAR HENDERSON, LA

FEB , 1977				MAY , 1977			
16...	1200	1.1	.04	25...	1200	4.0	.08
APR							
20...	1200	4.7	.05				

303142091510900 BAYOU COURTABLEAU OUTLET CHANNEL SOUTHEAST OF COURTABLEAU, LA

JAN , 1977				MAR , 1977			
17...	1200	2.7	.10	08...	1200	2.4	.04
FEB				APR			
15...	1200	2.1	.09	19...	1200	3.8	.05

303255091514500 LITTLE STATE CANAL UNDER HIGHWAY 190 BRIDGE NEAR KROTZ SPRINGS, LA

JAN , 1977				APR , 1977			
17...	1200	2.7	.09	19...	1200	2.1	.05
MAR							
08...	1200	1.7	.03				

303255091530300 BAYOU COURTABLEAU AT COURTABLEAU, LA

JAN , 1977			
17...	1200	2.5	.07

3033220915200 BAYOU DES GLAISES DIVERSION CHANNEL NEAR COURTABLEAU, LA

JAN , 1977			
17...	1200	2.6	.07

305845091480000 ATCHAFALAYA RIVER NEAR SIMMESPORT, LA

FEB , 1977				MAY , 1977			
10...	1200	1.8	.08	15...	1200	1.6	.05
MAR							
16...	1200	1.9	.07				

ATCHAFALAYA BASIN 25-HOUR STUDY

The following data are from samples collected in cooperation with the Corps of Engineers during a 25-hour investigation in the Atchafalaya basin.

301918091450900 HENDERSON SWAMP NEAR HENDERSON, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
AUG 11...	1121	389	7.6	40	5	79000	100	7	26	9.1	33	40
DATE	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)
AUG 11...	1.4	4.4	120	0	95	11	51	70	70	150000	26	<1.0
DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL NITROGEN (N) (MG/L)	DIS-SOLVED KJEL NITROGEN (N) (MG/L)
AUG 11...	.07	.02	.09	.09	.02	250	.03	1.4	1.3	1.5	.20	1.3
DATE	TOTAL KJEL NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)
AUG 11...	220	1.6	7.0	.31	.09	6	5	1	14	10	0	10
DATE	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	SUSPENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)
AUG 11...	0	1	0	1	.37	0	0	0	3	0	30	28
DATE	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUSPENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)
AUG 11...	2	6	2100	6	6	0	10	470	330	140	210	.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA BASIN 25-HOUR STUDY--Continued

301918091450900 HENDERSON SWAMP NEAR HENDERSON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)
AUG 11...	.0	.0	.0	5	2	3	5	0	0	0	--	10

DATE	SUS- PENDE ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	ORGANIC CARBON IN BOT- TOM MA- TERIAL (C) (G/KG)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
AUG 11...	0	10	19	15	26	.00	0	2	0	.0	2.30	.082

302225091453600 BAYOU FUSILIER OF THE SWAMPS (AT MOUTH) NEAR HENDERSON, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	CO IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
AUG 11...	1000	397	7.9	15	1	35000	150	0	37	14	21	23

DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CAC03 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
AUG 11...	.7	4.0	190	0	150	10	25	11	11	115000	--	<1.0

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
AUG 11...	.02	.01	.03	.01	.01	98	.01	.67	.56	.68	.11	.57

DATE	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)
AUG 11...	108	.71	3.1	.24	.06	4	0	4	12	0	0	0

ATCHAFALAYA BASIN 25-HOUR STUDY--Continued

302225091453600 BAYOU FUSILIER OF THE SWAMPS (AT MOUTH) NEAR HENDERSON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	SUSPENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)
AUG 11...	0	0	0	0	.39	0	0	0	7	0	31	30

DATE	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUSPENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)
AUG 11...	1	23	560	5	5	0	20	190	150	40	620	.0

DATE	SUSPENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUSPENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	SUSPENDED SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)
AUG 11...	.0	.0	.0	3	1	2	15	0	0	0	0	10

DATE	SUSPENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	ORGANIC CARBON IN BOTTOM MATERIAL (C) (G/KG)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	CHLOR-A PHYTO-PLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANKTON CHROMO FLUOROM (UG/L)
AUG 11...	0	10	52	86	13	.00	0	2	0	.0	.795	.074

301709091411500 OLD ATCHAFALAYA RIVER AT BUTTE LAROSE, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
AUG 11...	0830	506	8.2	5	3	7100	160	42	44	13	34	31

DATE	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)
AUG 11...	1.2	3.6	148	0	120	65	37	175	175	28500	19	<1.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA BASIN 25-HOUR STUDY--Continued

301709091411500 OLD ATCHAFALAYA RIVER AT BUTTE LAROSE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDED KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
AUG 11...	.48	.01	.49	.01	.00	9.5	.00	.60	.56	.61	.05	.56
DATE	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDED ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDED BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)
AUG 11...	19	1.1	4.9	.13	.06	2	0	2	6	0	0	0
DATE	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDED CAD- MIUM (CU) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDED CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDED COPPER (CU) (UG/L)
AUG 11...	0	1	0	1	.14	10	10	0	3	0	56	52
DATE	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDED LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDED MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)
AUG 11...	4	5	690	4	4	0	10	120	110	10	250	.0
DATE	SUS- PENDED MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDED NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDED SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)
AUG 11...	.0	.0	.0	13	10	3	10	0	0	0	0	10
DATE	SUS- PENDED ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	ORGANIC CARBON IN BOT- TOM MA- TERIAL (C) (G/KG)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
AUG 11...	0	10	26	5.4	2.2	.00	0	1	0	.0	.201	.038

ATCHAFALAYA BASIN 25-HOUR STUDY--Continued

300347091040600 SI BON CANAL NEAR LAKE FAUSSE POINTE CUT, NEAR LOREAUVILLE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COU IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	
AUG 11...	0945	488	8.1	40	4	26000	150	34	41	12	33	32	
DATE		SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)	
AUG 11...	1.2		3.5	140	0	120	56	40	35	35	73900	14	<1.0
DATE		TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRATE PLUS NITRITE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	SUS-PENDED KJEL. NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)
AUG 11...		.46	.01	.47	.05	.01	22	.01	.63	.65	.68	.02	.66
DATE		TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS-PENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUS-PENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)
AUG 11...	78		1.2	5.1	.14	.05	2	0	2	5	0	0	0
DATE		TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUS-PENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	SUS-PENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS-PENDED COPPER (CU) (UG/L)
AUG 11...	0		0	0	0	.40	10	10	0	6	0	17	16
DATE		DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS-PENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	SUS-PENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)
AUG 11...	1		13	770	4	4	0	10	130	110	20	440	.1

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA BASIN 25-HOUR STUDY--Continued

300347091040600 SI BON CANAL NEAR LAKE FAUSSE POINTE CUT, NEAR LOREAUVILLE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)
AUG 11...	.1	.0	.0	3	0	3	10	0	0	0	0	10
DATE	SUS- PENDE D ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	ORGANIC CARBON IN BOT- TOM MA- TERIAL (C) (G/KG)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
AUG 11...	2	10	36	4.4	5.2	.00	0	2	--	.0	6.48	.561

295942091313300 BUFFALO COVE NEAR JEANERETTE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA, MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
AUG 11...	0905	473	8.0	10	2	15000	160	37	43	12	31	30
DATE	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)
AUG 11...	1.1	3.1	150	0	123	55	36	23	23	58300	18	<1.0
DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE D KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
AUG 11...	.23	.05	.28	.10	.01	63	.01	.85	.74	.95	.20	.75
DATE	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)
AUG 11...	42	1.2	5.4	.20	.07	6	2	4	8	0	0	0

ATCHAFALAYA BASIN 25-HOUR STUDY--Continued

295942091313300 BUFFALO COVE NEAR JEANERETTE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	SUSPENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)
AUG 11...	0	0	0	0	.24	10	10	0	6	0	40	39

DATE	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUSPENDED LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)
AUG 11...	1	11	1200	7	7	0	10	310	280	30	450	.1

DATE	SUSPENDED MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUSPENDED NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	SUSPENDED SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)
AUG 11...	.1	.0	.0	5	2	3	15	0	0	0	0	10

DATE	SUSPENDED ZINC (ZN) (UG/L)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	ORGANIC CARBON IN BOTTOM MATERIAL (C) (G/KG)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/L)	OIL AND GREASE (MG/KG)	CHLOR-A PHYTO-PLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANKTON CHROMO FLUOROM (UG/L)
AUG 11...	4	10	35	8.3	9.3	.00	0	0	--	.0	2.06	.546

295845091313600 LAKE FAUSSE POINTE CUT NEAR JEANERETTE, LA

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
AUG 11...	0925	490	8.1	5	3	21000	150	35	42	12	34	32

DATE	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)
AUG 11...	1.2	3.8	140	0	115	57	44	48	48	82000	16	<1.0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

ATCHAFALAYA BASIN 25-HOUR STUDY--Continued

295845091313600 LAKE FAUSSE POINTE CUT NEAR JEANERETTE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)
AUG 11...	.0	.0	.0	3	0	3	20	1	0	1	0	30
DATE	SUS- PENDE D ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	ORGANIC CARBON IN BOT- TOM MA- TERIAL (C) (G/KG)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
AUG 11...	0	30	51	5.0	9.9	.00	0	2	--	.0	.911	.000
DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE D KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)
AUG 11...	.52	.01	.53	.03	.02	8.1	.03	.81	.82	.84	.00	.84
DATE	TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)
AUG 11...	45	1.4	6.1	.11	.14	1	0	1	5	0	0	0
DATE	TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE D CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)
AUG 11...	0	5	5	0	.21	0	0	0	6	0	33	32
DATE	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)
AUG 11...	1	18	510	5	5	0	20	50	30	20	530	.0

SPECIAL BATON ROUGE LAKE STUDY

The following data are from samples collected during a special study of lakes in the Baton Rouge area.

302544091100400 CITY PARK LAKE IN NORTHWEST CORNER AT BATON ROUGE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TUR- BID- ITY (JTU)	BICAR- BONATE (HCO ₃) (MG/L)	CAR- BONATE (CO ₃) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)
MAY								
26...	1130	289	8.3	15	147	0	.04	1.3
30...	1100	326	8.5	20	169	2	.04	1.3
JUN								
02...	1020	233	7.8	--	88	0	.02	5.1
06...	1020	323	8.8	--	143	11	.04	2.6
09...	1105	352	8.3	25	171	0	.05	1.2
13...	1042	322	8.4	25	146	1	.01	.92
16...	1145	282	7.8	20	132	0	.10	2.4
20...	1035	286	7.9	20	134	0	.00	1.6
23...	1120	231	8.8	25	--	--	.01	1.4
27...	1031	314	8.9	30	--	--	.00	2.5
30...	1000	278	8.3	40	118	0	.00	1.3
JUL								
05...	1046	184	6.9	25	55	0	.87	3.0
08...	1012	230	7.5	25	101	0	.00	1.4
11...	1012	250	7.7	30	108	0	.01	2.8
14...	1103	153	7.0	45	51	0	1.4	2.2
18...	1014	105	7.2	75	40	0	.52	.61
21...	1013	171	7.1	20	72	0	.29	1.0
25...	1020	219	7.2	20	92	0	.09	.24
28...	1023	140	7.5	30	55	0	.55	1.6
AUG								
01...	1058	186	7.8	15	85	0	.02	.49
05...	1515	340	8.1	1	152	0	.12	.53
08...	1530	209	7.7	2	95	0	.02	1.2
11...	1525	209	7.6	10	94	0	.06	1.3
15...	1524	193	8.3	4	84	0	.02	.86
18...	1545	88	7.0	30	32	0	.56	.84
22...	1530	97	7.3	30	43	0	--	--
25...	1450	203	7.2	10	76	0	.66	1.1
29...	1518	132	7.2	15	60	0	.19	.55
SEP								
12...	1124	155	7.3	10	70	0	.19	.46

DATE	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORTHO. PHOS- PHORUS (P) (MG/L)	DIS- ORTHO + HYDRO. PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORGANIC PHOS- PHORUS (P) (MG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAY							
26...	.60	.34	.25	.30	.04	--	--
30...	.69	.44	.34	.38	.06	--	--
JUN							
02...	.71	.44	.36	.39	.05	--	--
06...	.67	.47	.41	.43	.04	--	--
09...	.65	.39	.26	.30	.09	--	--
13...	.76	.48	.37	.39	.09	--	--
16...	.61	.34	.20	.28	.06	--	--
20...	.77	.43	.36	.42	.01	--	--
23...	.73	.36	.30	.35	.01	--	--
27...	.99	.56	.48	.51	.05	--	--
30...	1.1	.59	.50	.59	.00	--	--
JUL							
05...	.77	.48	.40	.48	.00	--	--
08...	.75	.42	.35	.39	.03	--	--
11...	1.0	.48	.36	.40	.08	--	--
14...	.63	.51	.41	.45	.06	--	--
18...	.46	.26	.14	.20	.06	--	--
21...	.67	.48	.36	.47	.01	--	--
25...	.46	.33	.28	.31	.02	4.35	1.17
28...	.56	.27	.23	.23	.04	--	--
AUG							
01...	.43	.17	.14	.14	.03	--	--
05...	.51	.32	.24	.29	.03	--	--
08...	.59	.28	.18	.23	.05	--	--
11...	.54	.19	.11	.15	.04	--	--
15...	.45	.20	.11	.16	.04	--	--
18...	.55	.42	.25	.38	.04	--	--
22...	.62	.44	.28	.43	.01	--	--
25...	.53	.34	.27	.34	.00	--	--
29...	.50	.31	.22	.29	.02	--	--
SEP							
12...	.45	.23	.11	.21	.02	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SPECIAL BATON ROUGE LAKE STUDY--Continued

302523091094800 LAKE ERIE AT OUTFLOW, AT BATON ROUGE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TUR- BID- ITY (JTU)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)
MAY								
26...	1215	136	8.5	20	62	4	.03	1.3
30...	1130	149	8.2	20	76	0	.02	1.7
JUN								
02...	1050	160	7.9	--	84	0	.01	3.3
06...	1040	166	8.0	--	86	0	.01	3.3
09...	1124	177	8.0	25	8	0	.01	1.8
13...	1114	176	8.0	25	93	0	.01	2.8
16...	1208	169	7.5	20	89	0	.00	3.3
20...	1105	176	7.7	20	92	0	.00	1.7
23...	1150	180	8.7	25	--	--	.00	4.0
27...	1048	205	8.6	25	--	--	.00	4.0
30...	1010	206	7.3	30	96	0	.00	2.9
JUL								
05...	1104	196	7.5	25	96	0	.00	3.1
11...	1030	195	7.5	20	96	0	.01	2.7
18...	1031	152	6.6	30	44	0	.07	1.6
25...	1034	162	7.2	10	78	0	.07	1.2
AUG								
01...	1116	162	7.5	10	80	0	.02	1.7
08...	1540	148	8.0	2	71	0	.05	.70
15...	1535	150	7.6	3	72	0	.09	.59
22...	1540	115	7.4	15	54	0	.13	.76
29...	1531	96	7.3	10	39	0	.14	.10
SEP								
12...	1140	85	7.1	6	40	0	.09	.28

DATE	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORTHO. PHOS- PHORUS (P) (MG/L)	DIS- ORTHO + HYDRO. PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORGANIC PHOS- PHORUS (P) (MG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAY							
26...	.46	.17	.12	.15	.02	--	--
30...	.58	.24	.17	.19	.05	--	--
JUN							
02...	.47	.26	.18	.21	.05	--	--
06...	.78	.47	.37	.40	.07	--	--
09...	.56	.24	.15	.19	.05	--	--
13...	.66	.30	.22	.26	.04	--	--
16...	.56	.23	.17	.20	.03	--	--
20...	.52	.37	.30	.37	.00	--	--
23...	.65	.34	.22	.28	.06	--	--
27...	.81	.53	.42	.47	.06	51.4	8.31
30...	.65	.42	.31	.38	.04	--	--
JUL							
05...	.77	.51	.40	.51	.00	--	--
11...	.75	.46	.34	.37	.09	--	--
18...	.49	.29	.22	.22	.07	--	--
25...	.39	.22	.15	.18	.04	18.8	9.42
AUG							
01...	.23	.11	.07	.07	.04	--	--
08...	.38	.15	.07	.09	.06	--	--
15...	.29	.06	.01	.01	.05	--	--
22...	.42	.34	.17	.25	.09	--	--
29...	.30	.13	.09	.12	.01	--	--
SEP							
12...	.28	.17	.08	.15	.02	--	--

SPECIAL BATON ROUGE LAKE STUDY--Continued

302519091101100 LAKE CREST AT OUTFLOW, AT BATON ROUGE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TUR- BID- ITY (JTU)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY							
30...	1510	173	8.9	20	100	6	.04
JUN							
30...	1100	173	8.6	35	65	8	.00
JUL							
29...	1135	165	8.4	30	81	1	.01
AUG							
26...	1548	150	7.4	20	73	0	.10
SEP							
12...	1106	104	9.3	18	39	6	.01

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORTHO. PHOS- PHORUS (P) (MG/L)	DIS- ORTHO + HYDRO. PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORGANIC PHOS- PHORUS (P) (MG/L)
MAY						
30...	1.5	.23	.04	.00	.01	.03
JUN						
30...	.11	.43	.10	.02	.04	.06
JUL						
29...	1.2	.29	.04	.02	.02	.02
AUG						
26...	1.5	.29	.02	.01	.01	.01
SEP						
12...	.00	.19	.01	.01	.01	.00

302515091095900 CITY PARK LAKE AT OUTFLOW, AT BATON ROUGE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TUR- BID- ITY (JTU)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)
MAY								
26...	1230	168	8.9	15	54	0	.01	1.6
30...	1200	169	9.4	20	43	12	.01	1.1
JUN								
02...	1115	165	10.0	--	19	23	.03	1.1
06...	1112	166	9.5	--	26	24	.01	.55
09...	1145	166	9.1	25	56	10	.00	.68
13...	1135	164	9.6	30	38	17	.00	.52
16...	1230	160	8.4	25	64	4	.00	1.8
20...	1132	176	8.8	25	62	7	.00	2.8
23...	1215	174	8.9	25	--	--	.00	2.6
27...	1110	169	8.9	20	--	--	.00	2.1
30...	1028	173	9.0	30	52	12	.00	1.4
JUL								
05...	1126	181	9.4	25	40	18	.00	.02
08...	1045	184	8.7	30	73	3	.00	.81
11...	1046	193	7.9	30	87	0	.00	1.6
14...	1136	173	9.0	40	66	7	.00	.63
18...	1046	163	9.5	30	43	15	.00	.01
21...	1045	168	9.5	20	35	18	.00	.01
25...	1048	173	9.7	15	19	24	.00	.06
28...	1046	159	9.6	20	42	13	.01	.00
AUG								
01...	1134	160	9.6	20	38	16	.02	.01
05...	1549	153	9.0	2	61	7	.01	.00
08...	1445	170	8.7	5	70	5	.01	1.1
11...	1448	180	7.1	2	82	0	.03	1.8
15...	1441	170	9.1	4	63	11	.03	.75
18...	1455	169	8.4	15	76	2	.03	.94
18...	1545	88	7.0	--	32	0	.56	.84
22...	1443	148	8.4	10	67	2	.08	.87
25...	1505	96	7.3	10	51	0	.16	.68
29...	1434	96	8.8	10	37	4	.07	.30
SEP								
12...	1155	84	8.4	10	38	1	.01	.05

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SPECIAL BATON ROUGE LAKE STUDY--Continued

302515091095900 CITY PARK LAKE AT OUTFLOW, AT BATON ROUGE, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORTHO- PHOS- PHORUS (P) (MG/L)	DIS- ORTHO + HYDRO- PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORGANIC PHOS- PHORUS (P) (MG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
MAY							
26...	.28	.06	.00	.00	.06	--	--
30...	.41	.14	.07	.10	.04	--	--
JUN							
02...	.52	.23	.20	.20	.03	--	--
06...	.63	.30	.23	.24	.06	--	--
09...	.73	--	--	--	--	--	--
13...	.82	.42	.35	.36	.06	--	--
16...	.92	.35	.27	.35	.00	--	--
20...	.78	.36	.26	.31	.05	--	--
23...	.84	.30	.25	.29	.01	--	--
27...	.90	.35	.26	.32	.03	--	--
30...	1.0	.41	.36	.41	.00	--	--
JUL							
05...	--	.48	.42	.48	.00	--	--
08...	1.0	.51	.46	.51	.00	--	--
11...	.99	.50	.40	.44	.06	--	--
14...	.77	.30	.11	.19	.11	--	--
18...	.65	.30	.26	.28	.02	--	--
21...	.62	.34	.27	.32	.02	--	--
25...	.60	.34	.28	.33	.01	15.6	.228
28...	.58	.39	.28	.30	.09	--	--
AUG							
01...	.55	.23	.18	.18	.05	--	--
05...	.66	.30	.20	.27	.03	--	--
08...	.55	.21	.11	.16	.05	--	--
11...	.73	.15	.09	.10	.05	--	--
15...	.42	.06	.02	.02	.04	--	--
18...	.39	.07	.02	.03	.04	--	--
18...	.55	.42	.25	.38	.04	--	--
22...	.28	.10	.01	.07	.03	--	--
25...	.26	.13	.09	.11	.02	--	--
29...	.23	.08	.05	.06	.02	--	--
SEP							
12...	.16	.00	.00	.00	.00	--	--

302431091101600 CAMPUS LAKE AT OUTFLOW, AT BATON ROUGE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TUR- BID- ITY (JTU)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
JUN							
09...	1450	449	8.5	15	224	8	.02
JUL							
08...	1325	348	9.2	30	136	22	.01
AUG							
05...	1358	368	8.5	5	190	4	.03
SEP							
12...	1039	128	8.1	25	67	0	.01

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORTHO- PHOS- PHORUS (P) (MG/L)	DIS- ORTHO + HYDRO- PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORGANIC PHOS- PHORUS (P) (MG/L)
JUN						
09...	.95	.95	.71	.51	.60	.11
JUL						
08...	1.0	.92	.56	.46	.54	.02
AUG						
05...	1.7	.68	.33	.23	.26	.07
SEP						
12...	.06	.18	.06	.02	.04	.02

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

SPECIAL BATON ROUGE LAKE STUDY--Continued

302428091095200 UNIVERSITY LAKE AT OUTFLOW, AT BATON ROUGE, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TUR- BID- ITY (JTU)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
MAY 30...	1630	187	8.5	15	83	0	.05
JUN 23...	1637	172	8.9	35	--	--	.00
JUL 22...	1259	166	9.9	55	42	17	.00
AUG 19...	1508	163	9.0	30	67	6	.05
SEP 12...	1106	99	8.0	15	49	0	.03

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORTHO. PHOS- PHORUS (P) (MG/L)	DIS. ORTHO + HYDRO. PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORGANIC PHOS- PHORUS (P) (MG/L)
MAY 30...	3.7	.45	.19	.08	.13	.06
JUN 23...	3.3	.61	.14	.02	.06	.08
JUL 22...	.30	.66	.17	.11	.14	.03
AUG 19...	1.6	.25	.04	.01	.01	.03
SEP 12...	.20	.18	.01	.01	.01	.00

302425091100900 COLLEGE LAKE AT OUTFLOW, AT BATON ROUGE, LA

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TUR- BID- ITY (JTU)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)
JUN 16...	1510	155	7.6	190	74	0	.00
JUL 15...	1148	150	7.6	30	80	0	.01
AUG 12...	1550	362	7.3	45	74	0	.02
SEP 12...	1051	71	9.2	25	27	4	.01

DATE	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORTHO. PHOS- PHORUS (P) (MG/L)	DIS. ORTHO + HYDRO. PHOS- PHORUS (P) (MG/L)	DIS- SOLVED ORGANIC PHOS- PHORUS (P) (MG/L)
JUN 16...	1.6	--	1.3	.19	.17	.19	.00
JUL 15...	.12	--	.47	.17	.08	.09	.08
AUG 12...	.06	--	4.3	.23	.14	.18	.05
SEP 12...	.00	.65	.54	.31	.16	.29	.02

DREDGING OPERATIONS STUDY

The following water-quality data were collected in cooperation with the Corps of Engineers before dredging operations in Lake Pontchartrain.

302012090162300 LAKE PONTCHARTRAIN IN TANGIPAHOA RIVER BAR CHANNEL AT MILE 0.0, NEAR LEE LANDING, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
JUN 17...	1220	65	6.7	15	8	17000	7	0	.6	1.4	9.2	68
DATE	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)
JUN 17...	1.5	1.7	16	0	13	2.1	11	10	8	18200	8	<1.0
DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)
JUN 17...	.08	.00	.08	.12	.08	6.9	.10	.71	.79	1400	.06	.01
DATE	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)
JUN 17...	4	1	3	2	0	0	0	0	2	2	0	.13
DATE	TOTAL CHROMIUM (CR) (UG/L)	SUSPENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)
JUN 17...	<10	<8	2	<10	0	6	0	6	<10	110	5	2
DATE	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)
JUN 17...	<10	40	20	300	.1	.0	.0	11	7	<10	0	0

DREDGING OPERATIONS STUDY--Continued

302012090162300 LAKE PONTCHARTRAIN IN TANGIPAHOA RIVER BAR CHANNEL AT MILE 0.0, NEAR LEE LANDING, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)	DISSOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)
JUN 17...	0	20	20	10	5.1	.00	0	0	2	.0	.0	8
DATE	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)
JUN 17...	.00	.0	.000	.0	.0	6	.000	.4	.000	.0	.000	.0
DATE	TOTAL DIAZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DIELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDOSULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)
JUN 17...	.01	.0	.000	.0	.000	.000	.0	.00	.0	.000	.0	.000
DATE	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHOXY-CHLOR (UG/L)	TOTAL METHYL PARATHION (UG/L)	METHYL PARATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MATERIALS (UG/KG DRY SOLIDS)
JUN 17...	.0	.000	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0
DATE	TOTAL PARATHION (UG/L)	PARATHION IN BOTTOM MATERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2+4-D (UG/L)	TOTAL 2+4+5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO-PLANKTON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANKTON CHROMO FLUOROM (UG/L)
JUN 17...	.00	.0	.00	0	0	.00	.0	.07	.01	.00	1.57	.582

DREDGING OPERATIONS STUDY--Continued

302033090160500 LAKE PONTCHARTRAIN 2000 FEET NORTH NORTHEAST OF TANGIPAHOA RIVER BAR CHANNEL AT MILE -0.2, NEAR LEE LANDING, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	COD IN BOTTOM MA- TERIAL (MG/KG)	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM		
JUN 17...	1335	910	6.9	15	7	43000	78	62	4.9	16	140	78		
DATE		SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	TOTAL NON- FILT- RABLE RESIDUE (MG/L)	SUS- PENDE D SOLIDS (MG/L)	LOSS ON IGNI- TION IN BOTTOM MA- TERIAL (MG/KG)	VOL. NON- FILT- RABLE RESIDUE (MG/L)	SETTLE- ABLE MATTER (ML/L/ HR)	
JUN 17...	6.9		7.0	20		0	16	36	240	8	5	62600	2	<1.0
DATE		TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITRO- GEN (N) (MG/L)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L)	TOTAL AMMONIA NITRO- GEN IN BOTTOM MAT. (MG/KG)	DIS- SOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITRO- GEN (N) (MG/L)	DIS- SOLVED ORGANIC NITRO- GEN (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	SUS- PENDE D KJEL. NITRO- GEN (N) (MG/L)	DIS- SOLVED KJEL. NITRO- GEN (N) (MG/L)	
JUN 17...		.04		.00	.04	.05	.02	10	.03	.37	.40	.42	.00	.42
DATE		TOTAL KJEL. NITRO- GEN IN BOTTOM MAT. (MG/KG)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUS- PENDE D ARSENIC (AS) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	TOTAL BERYL- LIUM (BE) (UG/L)	SUS- PENDE D BERYL- LIUM (BE) (UG/L)	DIS- SOLVED BERYL- LIUM (BE) (UG/L)	
JUN 17...	4700		.46		2.0	.07	.02	4	1	3	4	0	0	0
DATE		TOTAL BERYL- LIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CAD- MIUM (CD) (UG/L)	SUS- PENDE D CAD- MIUM (CD) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM (CR) (UG/L)	SUS- PENDE D CHRO- MIUM (CR) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUS- PENDE D COPPER (CU) (UG/L)	
JUN 17...		0	0	0	0	.36	<10	<7	3	<10	0	6	3	
DATE		DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUS- PENDE D LEAD (PB) (UG/L)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)	TOTAL MAN- GANESE (MN) (UG/L)	SUS- PENDE D MAN- GANESE (MN) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	
JUN 17...	3	<10		70	3	1	2	<10	40	40	0	320	.0	

DREDGING OPERATIONS STUDY--Continued

302033090160500 LAKE PONTCHARTRAIN 2000 FEET NORTH NORTHEAST OF TANGIPAHOA RIVER BAR CHANNEL AT MILE -0.2, NEAR LEE LANDING, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)
JUN 17...	.0	.0	.0	15	9	6	<10	0	0	0	0	20

DATE	SUS- PENDE D ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)
JUN 17...	10	10	20	4.7	.00	0	0	2	.0	.0	0	.00

DATE	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)
JUN 17...	.0	.00	.0	.0	0	.00	.0	.00	.1	.00	.0	.01

DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)
JUN 17...	.0	.00	.3	.00	.00	.0	.00	.0	.00	.0	.00	.0

DATE	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG)	TOTAL PARA- THION (UG/L)
JUN 17...	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00

DATE	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)
JUN 17...	.0	.00	0	0	.00	.0	1.0	.01	.00	2.26	.516

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

302003090161200 LAKE PONTCHARTRAIN IN TANGIPAHOA RIVER BAR CHANNEL AT MILE -0.2, NEAR LEE LANDING, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
JUN 17...	1310	1470	6.9	15	6	21000	140	120	13	27	230	76
DATE	SODIUM ADSORPTION RATIO	DISSOLVED PHOSPHATE (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTRABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTRABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)
JUN 17...	8.4	10	23	0	19	55	390	7	12	24900	7	<1.0
DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DISSOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DISSOLVED AMMONIA (NH4) (MG/L)	TOTAL ORGANIC NITROGEN (N) (MG/L)	DISSOLVED ORGANIC NITROGEN (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	SUSPENDED KJEL NITROGEN (N) (MG/L)	DISSOLVED KJEL NITROGEN (N) (MG/L)
JUN 17...	.00	.00	.00	.05	.00	5.2	.00	.41	.27	.46	.19	.27
DATE	TOTAL KJEL NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	DISSOLVED PHOSPHORUS (P) (MG/L)	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DISSOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DISSOLVED BERYLLIUM (BE) (UG/L)
JUN 17...	2000	.46	2.0	.04	.02	3	0	3	2	0	0	0
DATE	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DISSOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM (CR) (UG/L)	SUSPENDED CHROMIUM (CR) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)
JUN 17...	0	0	0	0	.12	<10	<8	2	<10	0	5	2
DATE	DISSOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DISSOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	SUSPENDED LEAD (PB) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	SUSPENDED MANGANESE (MN) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)
JUN 17...	3	<10	50	4	0	4	<10	20	10	10	280	.1

DREDGING OPERATIONS STUDY--Continued

302003090161200 LAKE PONTCHARTRAIN IN TANGIPAHOA RIVER BAR CHANNEL AT MILE -0.2, NEAR LEE LANDING, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	SUS- PENDE D MERCURY (HG) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	SUS- PENDE D NICKEL (NI) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MA- TERIAL (UG/G)	TOTAL SELE- NIUM (SE) (UG/L)	SUS- PENDE D SELE- NIUM (SE) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	TOTAL SELE- NIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL ZINC (ZN) (UG/L)
JUN 17...	.1	.0	1.3	12	7	5	<10	0	0	0	0	20
DATE	SUS- PENDE D ZINC (ZN) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MA- TERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOT- TOM MA- TERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)
JUN 17...	10	10	20	5.8	.00	0	0	2	100	.0	13	.00
DATE	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)
JUN 17...	.0	.00	.0	.0	0	.00	.6	.00	.0	.00	.0	.00
DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDO- SULFAN (UG/L)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)
JUN 17...	.0	.00	.1	.00	.00	.0	.00	.0	.00	.0	.00	.0
DATE	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METH- OXY- CHLOR (UG/L)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)
JUN 17...	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0	.00
DATE	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	PER- THANE TOTAL (UG/L)	TOTAL TOX- APHENE (UG/L)	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO- PLANK- TON CHROMO FLUOROM (UG/L)	
JUN 17...	.0	.00	0	0	.00	.0	.02	.01	.00	2.45	.654	

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

DREDGING OPERATIONS STUDY--Continued

301949090155500 LAKE PONTCHARTRAIN IN TANGIPAHOA RIVER BAR CHANNEL AT MILE -0.6, NEAR LEE LANDING, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	COD IN BOTTOM MATERIAL (MG/KG)	HARDNESS (CA, MG)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM
JUN 17...	1245	1170	6.9	15	6	41000	110	97	11	21	180	76
DATE	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	TOTAL NON-FILTERABLE RESIDUE (MG/L)	SUSPENDED SOLIDS (MG/L)	LOSS ON IGNITION IN BOTTOM MATERIAL (MG/KG)	VOL. NON-FILTERABLE RESIDUE (MG/L)	SETTLABLE MATTER (ML/L/HR)
JUN 17...	7.3	8.4	21	0	17	46	320	11	10	45500	3	<1.0
DATE	TOTAL NITRATE (N) (MG/L)	TOTAL NITRITE (N) (MG/L)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL AMMONIA NITROGEN (N) (MG/L)	DIS-SOLVED AMMONIA NITROGEN (N) (MG/L)	TOTAL AMMONIA NITROGEN IN BOTTOM MAT. (MG/KG)	DIS-SOLVED AMMONIA (NH4) (MG/L)	DIS-SOLVED ORGANIC NITROGEN (N) (MG/L)	DIS-SOLVED KJEL. NITROGEN (N) (MG/L)	TOTAL KJEL. NITROGEN IN BOTTOM MAT. (MG/KG)	TOTAL PHOSPHORUS (P) (MG/L)	DIS-SOLVED PHOSPHORUS (P) (MG/L)
JUN 17...	.02	.00	.02	.06	.00	7.0	.00	.52	.52	4400	.04	.01
DATE	TOTAL ARSENIC (AS) (UG/L)	SUSPENDED ARSENIC (AS) (UG/L)	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	TOTAL BERYLLIUM (BE) (UG/L)	SUSPENDED BERYLLIUM (BE) (UG/L)	DIS-SOLVED BERYLLIUM (BE) (UG/L)	TOTAL BERYLLIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CADMIUM (CD) (UG/L)	SUSPENDED CADMIUM (CD) (UG/L)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)
JUN 17...	3	0	3	5	0	0	0	0	0	0	0	.20
DATE	TOTAL CHROMIUM (CR) (UG/L)	SUSPENDED CHROMIUM (CR) (UG/L)	DIS-SOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	TOTAL COPPER (CU) (UG/L)	SUSPENDED COPPER (CU) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL LEAD (PB) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)
JUN 17...	<10	<7	3	10	0	6	3	3	<10	70	4	2
DATE	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)	TOTAL MANGANESE (MN) (UG/L)	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	DIS-SOLVED MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	TOTAL NICKEL (NI) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	TOTAL NICKEL IN BOTTOM MATERIAL (UG/G)	TOTAL SELENIUM (SE) (UG/L)	DIS-SOLVED SELENIUM (SE) (UG/L)
JUN 17...	<10	30	10	260	.0	.0	.8	18	5	<10	0	0

DREDGING OPERATIONS STUDY--Continued

301949090155500 LAKE PONTCHARTRAIN IN TANGIPAHOA RIVER BAR CHANNEL AT MILE -0.6, NEAR LEE LANDING, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOTAL SELENIUM IN BOTTOM MATERIAL (UG/G)	TOTAL ZINC (Zn) (UG/L)	DIS-SOLVED ZINC (Zn) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	TOTAL CYANIDE IN BOTTOM MATERIAL (UG/G)	PHENOLS (UG/L)	OIL AND GREASE (MG/L)	OIL AND GREASE IN BOTTOM MATERIAL (MG/KG)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)
JUN 17...	0	30	10	20	6.2	.00	0	0	3	.0	.0	0
DATE	POLY-CHLORINATED NAPHTHALENES (UG/L)	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLOR-DANE (UG/L)	CHLOR-DANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)
JUN 17...	.00	.0	.00	.0	.0	2	.00	.8	.00	.7	.00	.0
DATE	TOTAL DI-AZINON (UG/L)	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDO-SULFAN (UG/L)	TOTAL ENDRIIN (UG/L)	ENDRIIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTA-CHLOR EPOXIDE (UG/L)
JUN 17...	.00	.0	.00	.1	.00	.00	.0	.00	.0	.00	.0	.00
DATE	HEPTA-CHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALA-THION (UG/L)	MALA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METH-OXY-CHLOR (UG/L)	TOTAL METHYL PARA-THION (UG/L)	METHYL PARA-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRI-THION (UG/L)	METHYL TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MATERIALS (UG/KG DRY SOLIDS)
JUN 17...	.0	.00	.0	.00	.0	.00	.00	.0	.00	.0	.00	.0
DATE	TOTAL PARA-THION (UG/L)	PARA-THION IN BOTTOM MATERIAL (UG/KG)	PER-THANE TOTAL (UG/L)	TOTAL TOX-APHENE (UG/L)	TOX-APHENE IN BOTTOM MATERIAL (UG/KG)	TOTAL TRI-THION (UG/L)	TRI-THION IN BOTTOM MATERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)	CHLOR-A PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)	CHLOR-B PHYTO-PLANK-TON CHROMO FLUOROM (UG/L)
JUN 17...	.00	.0	.00	0	0	.00	.0	.05	.01	.00	1.84	.625

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

07373292 RACCOURCI LAKE (OLD RIVER) NEAR BATCHELOR, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)	TURBIDITY (JTU)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLIFORM .7UM-MF (COL./100 ML)	STREPTOCOCCI (COLONIES PER 100 ML)	FECAL STREPTOCOCCI KF AGAR (COL. PER 100 ML)	HARDNESS (CA+MG) (MG/L)
DEC 13...	1345	327	7.7	11.0	20	8	10.4	2.1	<5	B26	--	140
FEB 14...	1115	350	8.0	12.0	5	4	11.2	3.8	0	--	0	140
MAY 09...	1335	277	8.5	28.0	5	3	14.0	--	<5	--	<5	120
JUL 25...	1320	262	8.1	34.5	10	2	10.5	3.7	<5	--	<5	100

DATE	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)
DEC 13...	24	35	12	13	17	.5	2.7	141	0	116	4.5	31
FEB 14...	26	38	12	13	16	.5	2.8	144	0	118	2.3	33
MAY 09...	32	29	11	12	18	.5	2.8	102	1	85	.5	32
JUL 25...	34	24	10	12	20	.5	2.8	82	0	67	1.0	33

DATE	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED SILICA (SiO2) (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
DEC 13...	15	.3	1.6	187	180	.25	.22	.64	.86	3.8	.05
FEB 14...	14	.1	.2	184	184	.25	.10	--	--	--	.04
MAY 09...	14	.1	1.6	150	154	.20	.01	--	--	--	.00
JUL 25...	14	.1	5.0	156	141	.21	.00	--	--	--	.05

DATE	DISSOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	DISSOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DISSOLVED IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MATERIAL (UG/G)	DISSOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)
DEC 13...	3	6	0	<10	20	0	7	<10	10	13000	0	<10

DATE	DISSOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	DISSOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLYCHLORINATED NAPHTHALENES (UG/L)
DEC 13...	3	300	.0	.0	10	30	5.7	.00	0	.0	0	.00

MISSISSIPPI RIVER DELTA

07373292 RACCOURCI LAKE (OLD RIVER) NEAR BATCHELOR, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)
DEC 13...	.0	.00	.0	.0	0	.00	.0	.00	.0	.00	2.7	.00
DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)
DEC 13...	.0	.00	1.1	.00	.0	.00	.0	.00	.0	.00	.0	.00
DATE	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)
DEC 13...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	0
DATE			TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)				
DEC 13...			0	.00	.0	.00	.00	.00				

07373450 THOMPSON CREEK AT JACKSON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	HARD- NESS (CA+MG) (MG/L)
NOV 03...	1300	83	7.4	15.0	5	5	10.2	5.4	8120	100	--	18
JAN 10...	1430	78	6.8	5.5	120	60	12.3	--	>8200	>21000	--	22
APR 04...	1030	62	7.1	22.0	20	8	8.8	.8	760	--	140	14
JUL 13...	1400	88	8.1	29.0	20	30	8.7	.8	360	--	1300	18

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

07373450 THOMPSON CREEK AT JACKSON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
NOV 03...	0	4.5	1.7	7.9	44	.8	2.6	28	0	23	1.8	4.6
JAN 10...	4	5.9	1.8	6.5	35	.6	3.3	22	0	18	5.6	8.9
APR 04...	0	3.0	1.6	7.7	50	.9	1.9	19	0	16	2.4	4.8
JUL 13...	0	4.6	1.7	6.8	40	.7	2.8	27	0	22	.3	4.0

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
NOV 03...	8.9	.1	17	--	61	.06	.10	.16	.26	1.2	.11
JAN 10...	11	.1	9.4	--	58	.08	.32	--	--	--	.12
APR 04...	10	.0	17	71	55	.10	.06	--	--	--	.02
JUL 13...	7.4	.1	15	60	56	.08	.06	--	--	--	.07

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)
NOV 03...	1	0	0	<10	<10	0	3	<10	30	380	0	<10

DATE	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLYCHLORINATED NAPHTHALENES (UG/L)
NOV 03...	30	25	.0	.0	0	<10	2.0	.00	1	.0	0	.00

DATE	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIAZINON (UG/L)
NOV 03...	.0	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.02

MISSISSIPPI RIVER DELTA

07373450 THOMPSON CREEK AT JACKSON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DI-AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)
NOV 03...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)
NOV 03...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	0

DATE	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
NOV 03...	0	.00	.0	.00	.00	.00

07380300 BAYOU DES ALLEMANDS AT DES ALLEMANDS, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	HARD- NESS (CA+MG) (MG/L)
NOV 10...	1600	1410	7.3	16.0	--	--	11.6	6.3	B56	330	--	170
JAN 17...	1330	279	7.5	5.5	80	40	10.6	4.4	--	400	--	66
APR 28...	1130	894	7.6	23.0	30	30	7.7	5.0	B32	--	88	120
JUL 22...	1315	3400	7.3	32.0	40	15	10.2	--	B440	--	B25	360

DATE	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
NOV 10...	93	35	21	200	70	6.6	8.0	98	0	80	7.9	34
JAN 17...	18	17	5.7	24	43	1.3	3.6	58	0	48	2.9	16
APR 28...	63	25	15	120	66	4.7	7.5	69	0	57	2.8	36
JUL 22...	310	50	57	550	76	13	17	66	0	54	5.3	100

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

07380300 BAYOU DES ALLEMANDS AT DES ALLEMANDS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
NOV 10...	350	.4	5.8	741	703	1.01	.01	1.4	1.4	6.2	.16
JAN 17...	42	.3	6.9	171	145	.23	.24	--	--	--	.20
APR 28...	210	.2	3.0	507	451	.69	.03	--	--	--	.13
JUL 22...	950	.2	8.1	1900	1760	2.58	.01	--	--	--	.13

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)
NOV 10...	1	--	0	--	--	0	6	--	20	--	2	--
JAN 17...	--	10	--	<10	20	--	--	10	--	15000	--	<10

DATE	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)
NOV 10...	20	--	.3	--	10	--	15	.00	2	--	--	--
JAN 17...	--	1200	--	.1	--	70	--	--	--	.0	0	.00

DATE	PCN TOTAL IN BOTTOM MATERIAL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIAZINON (UG/L)
NOV 10...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 17...	.0	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.00

DATE	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)
NOV 10...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 17...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

MISSISSIPPI RIVER DELTA

07380300 BAYOU DES ALLEMANDS AT DES ALLEMANDS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)
NOV 10...	--	--	--	--	--	--	--	--	--	--	--	--
JAN 17...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	0

DATE	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
JAN 17...	0	.00	.0	.00	.00	.02

07381424 FALSE RIVER AT NEW ROADS, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	HARD- NESS (CA+MG) (MG/L)
DEC 13...	1000	274	7.4	11.5	20	20	8.3	3.2	B17	B110	--	120
FEB 14...	0940	273	8.0	11.5	5	4	12.7	5.6	1	--	0	130
MAY 09...	0920	235	8.5	28.0	10	3	12.4	3.9	<5	--	<5	100
JUL 25...	1030	194	9.9	33.5	25	3	15.8	11	<5	--	2600	80

DATE	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
DEC 13...	0	31	11	7.4	11	.3	4.5	161	0	132	10	4.5
FEB 14...	0	34	10	7.1	10	.3	4.7	164	0	130	2.6	8.2
MAY 09...	0	27	8.1	5.7	10	.2	4.4	134	4	117	.7	6.2
JUL 25...	1	18	8.5	6.7	15	.3	4.4	60	18	79	.0	6.1

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

07381424 FALSE RIVER AT NEW ROADS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL-DAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
DEC 13...	5.2	.2	11	172	154	.23	.38	.97	1.4	6.0	.08
FEB 14...	4.7	.1	10	156	160	.21	.00	.86	.86	3.8	.08
MAY 09...	4.1	.1	5.8	121	131	.16	.00	--	--	--	.09
JUL 25...	5.0	.1	8.3	130	105	.18	.00	--	--	--	.19

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXA-VALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)
DEC 13...	10	16	0	<10	30	0	3	<10	20	21000	0	<10

DATE	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLY-CHLORINATED NAPHTHALENES (UG/L)
DEC 13...	1	1000	.1	.0	10	40	8.2	.00	0	.0	0	.00

DATE	PCN TOTAL IN BOTTOM MAT'L DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIAZINON (UG/L)
DEC 13...	.0	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.00

DATE	DI-AZINON IN BOTTOM MATERIAL (UG/KG)	TOTAL DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM MATERIAL (UG/KG)	TOTAL HEPTACHLOR EPOXIDE (UG/L)	HEPTACHLOR EPOXIDE IN BOTTOM MATERIAL (UG/KG)	TOTAL LINDANE (UG/L)
DEC 13...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	LINDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL MALATHION (UG/L)	MALATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL PARATHION (UG/L)	METHYL PARATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL METHYL TRITHION (UG/L)	METHYL TRITHION IN BOTTOM MATERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOTTOM MATERIALS (UG/KG DRY SOLIDS)	TOTAL PARATHION (UG/L)	PARATHION IN BOTTOM MATERIAL (UG/KG)	TOTAL TOXAPHENE (UG/L)
DEC 13...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	0

MISSISSIPPI RIVER DELTA

07381424 FALSE RIVER AT NEW ROADS, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
DEC 13...	0	.00	.0	.00	.00	.00

301926091452300 LAKE HENDERSON NEAR HENDERSON, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	HARD- NESS (CA+MG)
NOV 17...	1500	468	7.9	14.0	25	50	12.6	4.1	8180	160	--	140
JAN 10...	1115	236	7.3	6.0	60	50	11.6	2.4	<5	160	--	82
APR 18...	1300	197	6.3	24.0	120	16	6.6	4.1	<5	--	<5	75
JUL 21...	1430	270	8.3	35.0	50	30	10.7	--	8100	--	8600	93

DATE	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)	CAR- BONATE (CO3) (MG/L)	ALKA- LINITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)
NOV 17...	38	36	12	36	35	1.3	3.9	124	0	102	2.5	35
JAN 10...	33	20	7.8	14	26	.7	4.0	60	0	49	4.8	34
APR 18...	13	19	6.6	10	22	.5	3.1	75	0	62	60	8.1
JUL 21...	5	24	8.1	18	28	.8	4.1	108	0	89	.9	7.6

DATE	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SiO2) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS- SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (N) (MG/L)	TOTAL NITRO- GEN (NO3) (MG/L)	TOTAL PHOS- PHORUS (P) (MG/L)
NOV 17...	62	.1	4.2	257	250	.35	.16	1.5	1.7	7.3	.26
JAN 10...	20	.2	8.9	154	138	.21	.12	--	--	--	.13
APR 18...	14	.1	8.4	130	106	.18	.06	--	--	--	.27
JUL 21...	27	.1	11	171	153	.23	.01	--	--	--	.14

DATE	DIS- SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MA- TERIAL (UG/G)	TOTAL CHRO- MIUM IN BOTTOM MA- TERIAL (UG/G)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MA- TERIAL (UG/G)
NOV 17...	1	15	0	<10	<10	0	3	<10	30	13000	0	<10

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

MISSISSIPPI RIVER DELTA

301926091452300 LAKE HENDERSON NEAR HENDERSON, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DIS- SOLVED MAN- GANESE (MN) (UG/L)	TOTAL MANGA- NESE IN BOTTOM MA- TERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MA- TERIAL (UG/G)	DIS- SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MA- TERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	TOTAL PCB (UG/L)	PCB IN BOTTOM MA- TERIAL (UG/KG)	POLY- CHLO- RINATED NAPH- THA- LENES (UG/L)
NOV 17...	60	520	.0	.1	10	90	11	.00	0	.0	40	.00

DATE	PCN TOTAL IN BOTTOM MATRL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL CHLOR- DANE (UG/L)	CHLOR- DANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- AZINON (UG/L)
NOV 17...	.0	.00	.0	.0	.0	24	.00	7.4	.00	.0	.00	.00

DATE	DI- AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)
NOV 17...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)
NOV 17...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	0

DATE	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL 2,4-D (UG/L)	TOTAL 2,4,5-T (UG/L)	TOTAL SILVEX (UG/L)
NOV 17...	0	.00	.0	.20	.04	.00

CALCASIEU RIVER BASIN

08017015 HOUSTON RIVER NEAR BUHLER, LA

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)	TUR- BID- ITY (JTU)	DIS- SOLVED OXYGEN (MG/L)	BIO- CHEM- ICAL OXYGEN DEMAND 5 DAY (MG/L)	FECAL COLI- FORM .7UM-MF (COL./ 100 ML)	STREP- TOCOCCI (COL- ONIES PER 100 ML)	FECAL STREP- TOCOCCI KF AGAR (COL. PER 100 ML)	HARD- NESS (CA, MG) (MG/L)
NOV 17...	0745	79	6.4	9.0	40	30	8.0	3.4	360	340	--	15
JAN 11...	1630	58	6.2	7.0	120	60	9.6	3.0	1900	3500	--	12
APR 19...	0900	92	5.2	23.5	280	25	6.4	2.7	B12	--	88	12
JUL 20...	1400	160	6.8	29.5	50	15	7.1	2.4	180	--	B11000	17

CALCASIEU RIVER BASIN

08017015 HOUSTON RIVER NEAR BUHLER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)
NOV 17...	7	3.8	1.3	8.4	52	.9	1.5	10	0	8	6.4	9.1
JAN 11...	5	3.3	.9	6.4	52	.8	.9	9	0	7	9.1	5.1
APR 19...	8	3.0	1.1	11	64	1.4	1.1	5	0	4	50	5.3
JUL 20...	5	4.0	1.8	23	72	2.4	1.5	15	0	12	3.8	7.6

DATE	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	TOTAL NITRITE PLUS NITRATE (N) (MG/L)	TOTAL KJELDAHL NITROGEN (N) (MG/L)	TOTAL NITROGEN (N) (MG/L)	TOTAL NITROGEN (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
NOV 17...	12	.1	4.4	--	46	.06	.03	.89	.92	4.1	.12
JAN 11...	9.2	.1	4.2	62	30	.08	.09	--	--	--	.06
APR 19...	19	.0	5.8	79	49	.11	.06	--	--	--	.08
JUL 20...	33	.1	4.4	108	83	.15	.03	--	--	--	.05

DATE	DIS-SOLVED ARSENIC (AS) (UG/L)	TOTAL ARSENIC IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED CADMIUM (CD) (UG/L)	TOTAL CADMIUM IN BOTTOM MATERIAL (UG/G)	TOTAL CHROMIUM IN BOTTOM MATERIAL (UG/G)	HEXAVALENT CHROMIUM (CR6) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	TOTAL COPPER IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED IRON (FE) (UG/L)	TOTAL IRON IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED LEAD (PB) (UG/L)	TOTAL LEAD IN BOTTOM MATERIAL (UG/G)
NOV 17...	1	1	0	<10	<10	0	10	<10	200	940	3	<10

DATE	DIS-SOLVED MANGANESE (MN) (UG/L)	TOTAL MANGANESE IN BOTTOM MATERIAL (UG/G)	TOTAL MERCURY (HG) (UG/L)	TOTAL MERCURY IN BOTTOM MATERIAL (UG/G)	DIS-SOLVED ZINC (ZN) (UG/L)	TOTAL ZINC IN BOTTOM MATERIAL (UG/G)	TOTAL ORGANIC CARBON (C) (MG/L)	CYANIDE (CN) (MG/L)	PHENOLS (UG/L)	TOTAL PCB (UG/L)	PCB IN BOTTOM MATERIAL (UG/KG)	POLYCHLORINATED NAPHTHALENES (UG/L)
NOV 17...	60	40	.0	.0	20	<10	12	.00	1	.0	0	.00

DATE	PCN TOTAL IN BOTTOM MATL DRY WT. (UG/KG)	TOTAL ALDRIN (UG/L)	ALDRIN IN BOTTOM MATERIAL (UG/KG)	TOTAL CHLORDANE (UG/L)	CHLORDANE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDD (UG/L)	DDD IN BOTTOM MATERIAL (UG/KG)	TOTAL DDE (UG/L)	DDE IN BOTTOM MATERIAL (UG/KG)	TOTAL DDT (UG/L)	DDT IN BOTTOM MATERIAL (UG/KG)	TOTAL DIAZINON (UG/L)
NOV 17...	.0	.00	.0	.0	0	.00	.0	.00	.0	.00	.0	.01

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

CALCASIEU RIVER BASIN

08017015 HOUSTON RIVER NEAR BUHLER, LA--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1976 TO SEPTEMBER 1977

DATE	DI-AZINON IN BOTTOM MA- TERIAL (UG/KG)	TOTAL DI- ELDRIN (UG/L)	DI- ELDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ENDRIN (UG/L)	ENDRIN IN BOTTOM MA- TERIAL (UG/KG)	TOTAL ETHION (UG/L)	ETHION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR (UG/L)	HEPTA- CHLOR IN BOTTOM MA- TERIAL (UG/KG)	TOTAL HEPTA- CHLOR EPOXIDE (UG/L)	HEPTA- CHLOR EPOXIDE IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL LINDANE (UG/L)
NOV 17...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00

DATE	LINDANE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL MALA- THION (UG/L)	MALA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL METHYL PARA- THION (UG/L)	METHYL PARA- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL METHYL TRI- THION (UG/L)	METHYL TRI- THION IN BOT- TOM MA- TERIAL (UG/KG)	TOTAL MIREX (UG/L)	MIREX IN BOT- TOM MA- TERIALS (UG/KG DRY SOLIDS)	TOTAL PARA- THION (UG/L)	PARA- THION IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TOX- APHENE (UG/L)
NOV 17...	.0	.00	.0	.00	.0	.00	.0	.00	.0	.00	.0	0

DATE	TOX- APHENE IN BOTTOM MA- TERIAL (UG/KG)	TOTAL TRI- THION (UG/L)	TRI- THION IN BOTTOM MA- TERIAL (UG/KG)
NOV 17...	0	.00	.0

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
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PEARL RIVER BASIN

02490105 BOGUE LUSA CREEK AT STATE HIGHWAY 439, AT BOGALUSA

OCT. 28, 1976.....	13.0	14.4	APR. 6.....	16.0	--
NOV. 16.....	10.5	--	MAY 16.....	20.5	--
JAN. 5, 1977.....	7.5	11.0	JUNE 14.....	24.0	--
FEB. 17.....	10.0	11.3	AUG. 30.....	24.5	--
FEB. 24.....	16.0	--	SEPT. 27.....	23.5	6.9

MISSISSIPPI RIVER DELTA

07373965 SOUTH CANAL NEAR BAKER

NOV. 4, 1976.....	14.0	4.5	MAY 12.....	23.0	6.1
JAN. 12, 1977.....	6.0	11.8	MAY 25.....	26.5	--
FEB. 18.....	13.0	9.1	JUNE 13.....	27.0	1.8
MAR. 31.....	18.0	5.6	JULY 19.....	32.5	3.0
APR. 1.....	18.5	--	SEPT. 27.....	27.0	5.2

07375000 TCHEFUNCTA RIVER NEAR FOLSOM

OCT. 29, 1976.....	12.5	13.7	MAY 3.....	19.0	--
NOV. 17.....	12.0	--	JUNE 14.....	22.5	--
JAN. 6, 1977.....	10.5	--	AUG. 30.....	24.0	--
FEB. 15.....	13.5	9.8	SEPT. 26.....	23.0	8.1
APR. 5.....	18.0	6.8			

07375500 TANGIPAHOA RIVER AT ROBERT

NOV. 9, 1976.....	10.0	8.0	MAY 13.....	22.0	7.6
JAN. 20, 1977.....	6.5	12.0	JUNE 28.....	27.0	7.2
MAR. 1.....	14.5	10.2	JULY 20.....	27.0	7.8
MAR. 9.....	13.0	--	AUG. 30.....	25.0	8.2
APR. 14.....	21.0	9.2	SEPT. 27.....	26.5	8.5
MAY 6.....	21.5	7.8			

07376000 TICKFAW RIVER AT HOLDEN

NOV. 9, 1976.....	11.0	11.4	JUNE 28.....	27.0	8.0
JAN. 11, 1977.....	8.0	11.0	JULY 21.....	25.0	7.8
FEB. 15.....	11.0	11.6	AUG. 26.....	24.0	7.2
APR. 14.....	18.0	9.6	SEPT. 26.....	25.0	8.6
MAY 3.....	19.5	8.6			

07376500 NATALBANY RIVER AT BAPTIST

NOV. 9, 1976.....	11.0	11.0	JUNE 28.....	27.0	8.0
JAN. 12, 1977.....	5.0	12.0	JULY 18.....	29.0	8.0
FEB. 15.....	12.0	11.2	AUG. 26.....	26.0	7.8
APR. 14.....	22.0	9.6	SEPT. 28.....	25.5	8.6
MAY 3.....	20.5	8.6			

07377000 AMITE RIVER NEAR DARLINGTON

NOV. 2, 1976.....	15.0	10.6	MAY 6.....	24.0	--
JAN. 7, 1977.....	9.0	10.4	JULY 19.....	26.5	8.2
FEB. 15.....	13.5	--	AUG. 25.....	25.0	8.6
MAR. 28.....	21.5	--	SEPT. 27.....	30.0	8.8

07377240 LITTLE SANDY CREEK NEAR GREENWELL SPRINGS

NOV. 8, 1976.....	11.0	--	FEB. 18.....	14.0	8.5
JAN. 13, 1977.....	6.0	12.0	MAY 13.....	21.5	4.5
JAN. 14.....	11.0	--	JUNE 14.....	25.0	3.4
JAN. 31.....	4.5	--	JULY 20.....	27.0	4.1
FEB. 1.....	4.5	--	SEPT. 6.....	25.0	--
FEB. 4.....	10.5	--	SEPT. 26.....	31.5	--

07377500 COMITE RIVER NEAR OLIVE BRANCH

NOV. 2, 1976.....	15.5	9.6	MAR. 31.....	19.5	--
JAN. 11, 1977.....	8.0	8.8	MAY 6.....	25.2	--
FEB. 16.....	12.5	--	JUNE 20.....	27.5	8.1
FEB. 17.....	13.0	8.3	JUNE 23.....	28.0	8.4
FEB. 22.....	15.0	--	JUNE 27.....	27.5	--
MAR. 4.....	14.0	8.0	JULY 18.....	30.0	8.5
MAR. 7.....	14.5	8.1	AUG. 25.....	24.0	--
MAR. 9.....	13.0	--	SEPT. 7.....	24.5	7.7
MAR. 28.....	21.0	--	SEPT. 26.....	28.0	9.7

TEMPERATURES (°C) AND DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, OF STREAMS IN LOUISIANA DURING 1977 WATER YEAR

DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN	DATE OF COLLECTION	TEMPERATURE	DISSOLVED OXYGEN
MISSISSIPPI RIVER DELTA--Continued					
07377755 WHITE BAYOU EAST DIVERSION CHANNEL, NEAR BATON ROUGE					
NOV. 5, 1976.....	10.0	1.8	JUNE 13.....	27.5	5.9
JAN. 12, 1977.....	5.5	12.4	JULY 19.....	29.0	8.2
FEB. 18.....	15.0	8.6	SEPT. 27.....	31.0	3.9
MAY 16.....	24.0	7.5			
07377782 WHITE BAYOU SOUTHEAST OF ZACHARY					
NOV. 4, 1976.....	15.0	5.7	MAY 12.....	23.0	7.7
JAN. 12, 1977.....	5.5	11.6	JUNE 13.....	27.0	7.4
FEB. 18.....	13.0	10.2	JULY 19.....	27.0	7.1
MAR. 31.....	14.5	--	SEPT. 27.....	27.5	7.3
APR. 1.....	18.0	--			
07377842 WHITE BAYOU NEAR BAKER					
NOV. 5, 1976.....	11.0	2.3	MAY 12.....	24.0	2.9
JAN. 12, 1977.....	6.0	10.0	JUNE 13.....	27.0	--
FEB. 18.....	14.0	5.0	JULY 19.....	28.0	3.7
MAR. 31.....	17.5	4.9	SEPT. 27.....	27.5	1.8
07378000 COMITE RIVER NEAR COMITE					
NOV. 5, 1976.....	16.5	7.0	JUNE 20.....	31.0	7.6
JAN. 12, 1977.....	5.5	11.3	JUNE 23.....	32.5	8.0
FEB. 16.....	13.5	--	JUNE 27.....	29.0	--
FEB. 22.....	13.5	--	JULY 11.....	26.0	8.0
MAR. 29.....	21.0	--	JULY 20.....	27.5	7.7
MAY 9.....	29.0	9.2	SEPT. 26.....	27.0	9.3
07378500 AMITE RIVER NEAR DENHAM SPRINGS					
NOV. 12, 1976.....	14.0	10.6	JUNE 30.....	30.0	7.8
JAN. 13, 1977.....	6.5	11.8	JULY 18.....	29.5	7.8
APR. 5.....	18.5	9.2	AUG. 31.....	26.0	7.8
MAY 5.....	25.2	8.3	SEPT. 26.....	27.0	8.6
JUNE 2.....	22.0	--			
07386880 VERMILION RIVER AT SURREY STREET, AT LAFAYETTE					
NOV. 9, 1976....	18.0	--	JULY 26.....	30.5	--
DEC. 15.....	14.5	--	AUG. 29.....	29.0	--
JAN. 21, 1977....	7.0	--	SEPT. 26.....	28.5	--
FEB. 16.....	12.5	--			
CALCASIEU RIVER BASIN					
08016880 BEAR HEAD CREEK NEAR STARKS					
NOV. 12, 1976....	10.5	--	JUNE 20.....	25.0	--
JAN. 4, 1977....	7.0	--	SEPT. 7.....	27.5	--
JAN. 31.....	7.0	--	SEPT. 26.....	28.0	--
MAR. 2.....	15.0	--			



Figure 6. — Location of observation wells.

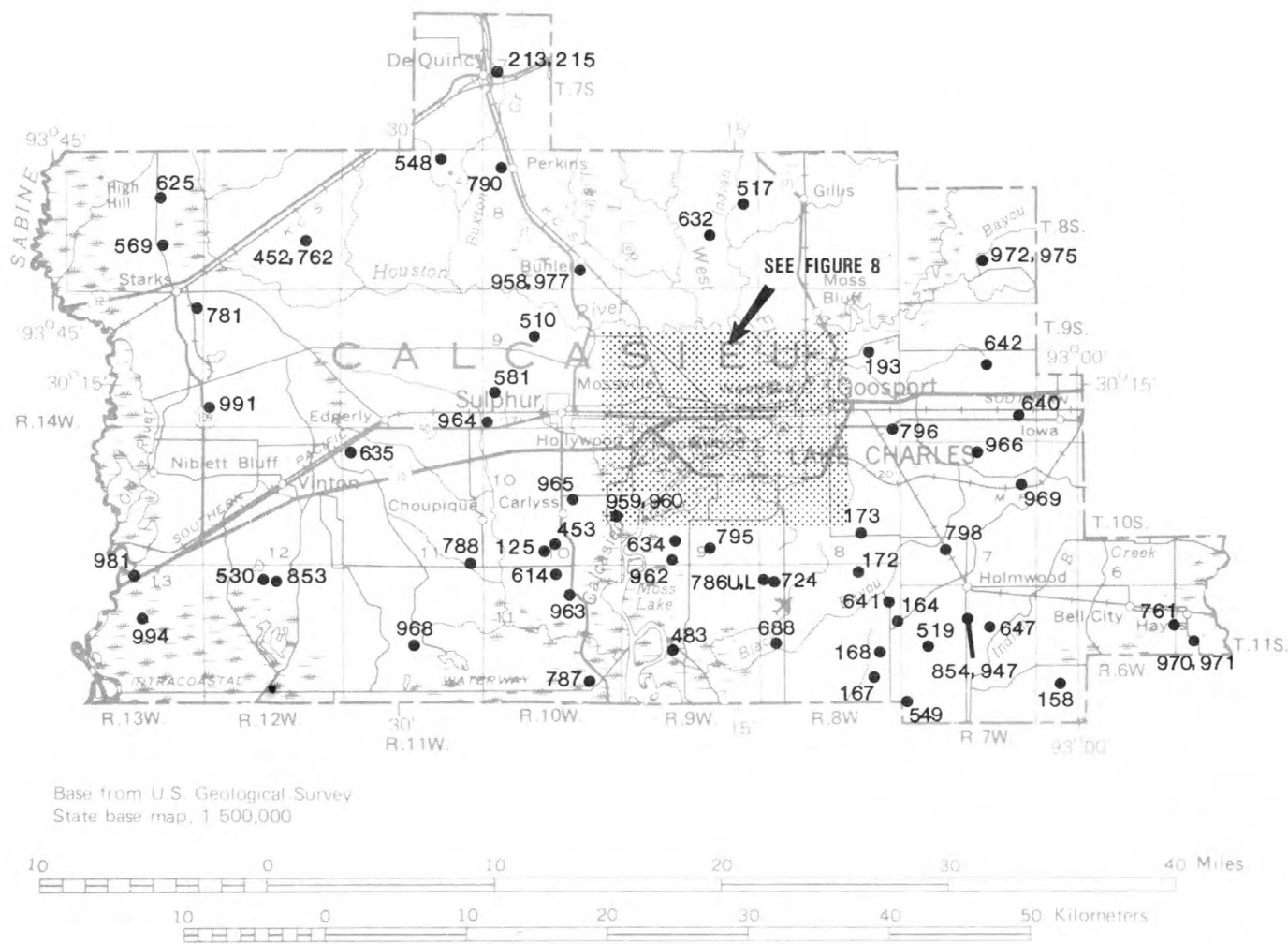


Figure 7. — Location of observation wells in Calcasieu Parish [except for wells located in the shaded area (see fig. 8)].

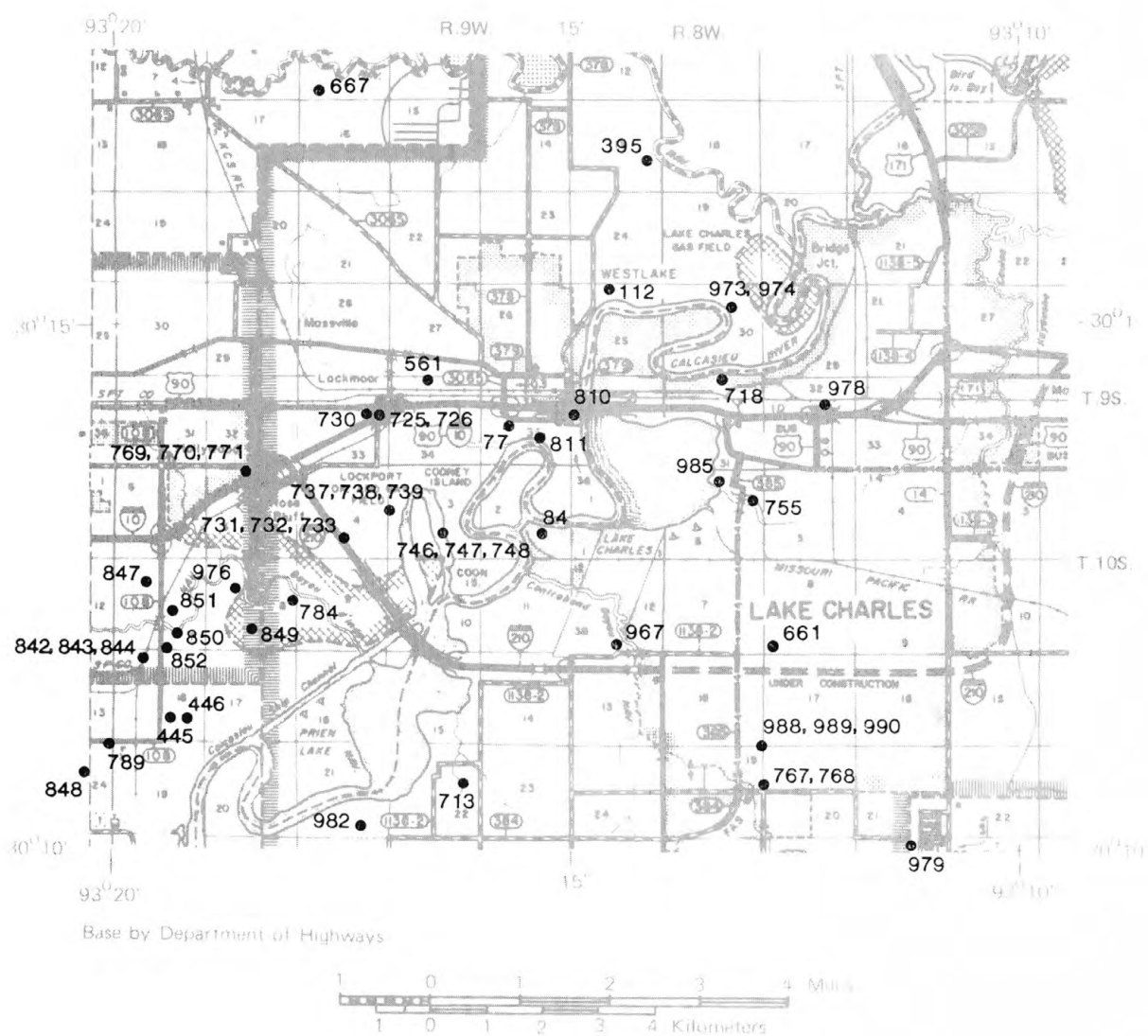
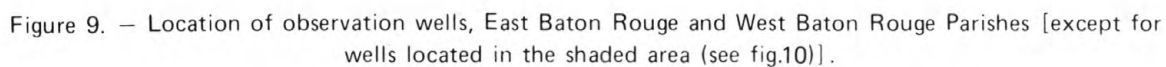
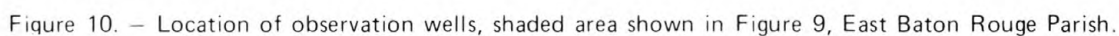


Figure 8. — Location of observation wells in shaded area shown in figure 7, Calcasieu Parish.





GROUND-WATER LEVELS

ACADIA PARISH

302525092242001 LOCAL WELL NUMBER: AC-22

OWNER: HARRY FREY. (SEC. 19, T. 7S., R. 1E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, REPORTED DEPTH 300 FT, SCREENED 240-300. MP LOWER LIP OF DISCHARGE PIPE, 3.45 FT ABOVE LSD.
 LSD 44.59 FT ABOVE MSL.
 HIGHEST WATER LEVEL 36.80 BELOW LSD, APR. 10, 1941,
 LOWEST WATER LEVEL 91.15 BELOW LSD, JULY 14, 1953.
 RECORDS AVAILABLE 1939-66, 1968-72, 1974-75, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	84.65						

302207092153201 LOCAL WELL NUMBER: AC-121

OWNER: MELECK BROTHERS. (SEC. 10, T. 8S., R. 2E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 24 TO 12 IN, REPORTED DEPTH 277 FT, SCREENED 217-277. MP LOWER LIP OF DISCHARGE PIPE, 4.70 FT ABOVE LSD.
 LSD 49.13 FT ABOVE MSL.
 HIGHEST WATER LEVEL 59.95 BELOW LSD, SEP. 7, 1956,
 LOWEST WATER LEVEL 80.67 BELOW LSD, AUG. 26, 1965.
 RECORDS AVAILABLE 1954-65, 1967-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	78.00						

301923092121801 LOCAL WELL NUMBER: AC-137

OWNER: G. A. KENNEDY ESTATE. (SEC. 49, T. 8S., R. 3E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, REPORTED DEPTH 300 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 5.50 FT ABOVE LSD.
 LSD 40.85 FT ABOVE MSL.
 HIGHEST WATER LEVEL 49.19 BELOW LSD, JUNE 16, 1954,
 LOWEST WATER LEVEL 68.00 BELOW LSD, FEB. 25, 1974.
 RECORDS AVAILABLE 1954-58, 1960-68, 1970-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	64.00						

300731092021301 LOCAL WELL NUMBER: AC-147

OWNER: MERVIN FAULK. (SEC. 34, T. 10S., R. 1E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 10 IN, REPORTED DEPTH 298 FT, SCREENED INTERVAL UNKNOWN. MP 1/2-IN HOLE WITH PLUG, 4.12 FT ABOVE LSD.
 LSD 17.78 FT ABOVE MSL.
 HIGHEST WATER LEVEL 13.45 BELOW LSD, APR. 9, 1941,
 LOWEST WATER LEVEL 44.15 BELOW LSD, AUG. 31, 1962.
 RECORDS AVAILABLE 1939-41, 1945-68, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	42.88						

301422092284301 LOCAL WELL NUMBER: AC-232

OWNER: SUN OIL CO. (SEC. 28, T. 9S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 215 FT, SCREENED 195-215. MP TOP OF 4-IN COLLAR, 2.01 FT ABOVE LSD.
 LSD 14.65 FT ABOVE MSL.
 HIGHEST WATER LEVEL 19.19 BELOW LSD, MAR. 22, 1950,
 LOWEST WATER LEVEL 53.32 BELOW LSD, AUG. 29, 1963.
 RECORDS AVAILABLE 1949-52, 1954-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	42.89						

301932092341201 LOCAL WELL NUMBER: AC-235

OWNER: H. H. LEJEUNE. (SEC. 28, T. 8S., R. 2W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 8 IN, REPORTED DEPTH 310 FT, SCREENED 250-310. MP LOWER LIP OF DISCHARGE PIPE, 4.42 FT ABOVE LSD.

LSD 35.25 FT ABOVE MSL.
 HIGHEST WATER LEVEL 42.86 BELOW LSD, MAR. 22, 1950,
 LOWEST WATER LEVEL 72.83 BELOW LSD, FEB. 26, 1975.
 RECORDS AVAILABLE 1949-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	72.18						

302658092174701 LOCAL WELL NUMBER: AC-290

OWNER: GREENE AND ALBERT SPEARS AND OTHERS. (SEC. 18, T. 7S., R. 2E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 TO 10 IN, REPORTED DEPTH 300 FT, SCREENED 220-300. MP HOLE IN TOP OF DISCHARGE PIPE, 3.90 FT ABOVE LSD.

LSD 53.40 FT ABOVE MSL.
 HIGHEST WATER LEVEL 69.15 BELOW LSD, MAR. 3, 1954,
 LOWEST WATER LEVEL 89.76 BELOW LSD, AUG. 26, 1965.
 RECORDS AVAILABLE 1954-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	87.60						

301709092191001 LOCAL WELL NUMBER: AC-291

OWNER: C. J. ZAUNBRECHER. (SEC. 12, T. 9S., R. 1E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 10 IN, REPORTED DEPTH 272 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1 1/2-IN NIPPLE, 4.72 FT ABOVE LSD.

LSD 33.27 FT ABOVE MSL.
 HIGHEST WATER LEVEL 45.55 BELOW LSD, MAR. 16, 1954,
 LOWEST WATER LEVEL 68.30 BELOW LSD, AUG. 26, 1965.
 RECORDS AVAILABLE 1954-69, 1971-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	63.48						

301017092321701 LOCAL WELL NUMBER: AC-292

OWNER: SUN OIL CO. (SEC. 48, T. 10S., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 244 FT, SCREENED 224-244. MP TOP OF 1-IN AIRLINE, 3.00 FT ABOVE LSD.

LSD 12.07 FT ABOVE MSL.
 HIGHEST WATER LEVEL 25.19 BELOW LSD, APR. 3, 1956,
 LOWEST WATER LEVEL 43.07 BELOW LSD, AUG. 26, 1965.
 RECORDS AVAILABLE 1954-69, 1971-72, 1974-75, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	41.50						

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 ABOVE MSL.
 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, 1976	68.01H	JAN. 5, 1977	61.54	MAR. 31, 1977	65.21	JULY 5, 1977	80.33
OCT. 5	67.52	JAN. 10	61.35	APR. 5	65.31	JULY 10	79.24
OCT. 10	67.43	JAN. 15	61.02	APR. 10	65.35	JULY 15	78.77
OCT. 15	66.79	JAN. 20	60.99	APR. 15	67.12	JULY 18	77.46H
OCT. 20	66.42	JAN. 25	60.66	APR. 20	68.22	JULY 20	78.50
OCT. 25	65.89	JAN. 31	60.40	APR. 25	66.45H	JULY 25	76.37
OCT. 31	65.79	FEB. 5	60.10	APR. 25	66.49	JULY 31	75.14
NOV. 1	65.78H	FEB. 10	60.02	APR. 30	70.94	AUG. 5	74.46
NOV. 5	65.97	FEB. 15	59.68	MAY 5	71.57	AUG. 10	73.75
NOV. 10	65.38	FEB. 20	59.60	MAY 10	72.46	AUG. 15	72.69
NOV. 15	65.00	FEB. 23	59.44H	MAY 15	75.47	AUG. 20	71.64
NOV. 20	64.42	FEB. 25	59.60	MAY 20	76.06	AUG. 25	70.68
NOV. 23	64.50H	FEB. 28	59.75	MAY 25	76.72	AUG. 31	69.74
NOV. 25	64.26	MAR. 5	59.75	MAY 31	75.23	SEP. 5	68.93
NOV. 30	64.01	MAR. 8	59.98H	JUNE 5	77.33	SEP. 10	68.54
DEC. 5	63.56	MAR. 10	60.29	JUNE 10	79.37	SEP. 15	67.90
DEC. 10	63.28	MAR. 15	60.90	JUNE 15	77.65	SEP. 20	67.43
DEC. 15	62.83	MAR. 20	60.52	JUNE 20	75.63	SEP. 21	67.36H
DEC. 20	62.43	MAR. 23	61.15H	JUNE 25	76.25	SEP. 25	67.00
DEC. 25	62.02	MAR. 25	62.43	JUNE 30	80.91	SEP. 30	66.64
DEC. 31	61.77						

301832092234504 LOCAL WELL NUMBER: AC-335U

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 907 FT, SCREENED 902-907. MP TOP OF 1 1/2-IN PIPE, 3.00 FT ABOVE LSD.
 LSD 24.55 FT ABOVE MSL.
 HIGHEST WATER LEVEL 43.59 BELOW LSD, MAR. 5, 1968,
 LOWEST WATER LEVEL 62.45 BELOW LSD, AUG. 21, 1974.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 23, 1976	54.61	FEB. 23, 1977	51.05	APR. 25, 1977	51.88	AUG. 25, 1977	58.29
DEC. 20	53.63	MAR. 8	50.90	MAY 25	54.77	SEP. 21	56.86
JAN. 20, 1977	52.35	MAR. 23	50.30	JULY 18	59.22		

301832092234503 LOCAL WELL NUMBER: AC-335L

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 8S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN EVANGELINE AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 1363 FT, SCREENED 1358-1363. MP TOP OF 1 1/2-IN PIPE, 3.00 FT ABOVE LSD.
 LSD 24.55 FT ABOVE MSL.
 HIGHEST WATER LEVEL 50.43 BELOW LSD, MAR. 31, 1970,
 LOWEST WATER LEVEL 62.54 BELOW LSD, NOV. 1, 1974.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 23, 1976	60.20	FEB. 23, 1977	60.30	APR. 25, 1977	59.54	AUG. 25, 1977	59.80
DEC. 20	60.38	MAR. 8	60.50	MAY 25	59.99	SEP. 21	59.86
JAN. 20, 1977	60.56	MAR. 23	60.33	JULY 18	60.53		

301447092214401 LOCAL WELL NUMBER: AC-339

OWNER: ANDING ESTATE. (SEC. 27, T. 9S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 210 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 4-IN CASING, 1.87 FT ABOVE LSD.
 LSD 22.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 52.33 BELOW LSD, MAR. 3, 1976,
 LOWEST WATER LEVEL 53.73 BELOW LSD, FEB. 25, 1975.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	52.83						

See footnotes at end of table.

ACADIA PARISH

302654092340601 LOCAL WELL NUMBER: AC-428

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 7S., R. 2W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 203 FT, SCREENED 198-203. MP TOP OF 2-IN PIPE, 2.8 FT ABOVE LSD.
 LSD 42.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 78.51 BELOW LSD, MAR. 4, 1977,
 LOWEST WATER LEVEL 78.51 BELOW LSD, MAR. 4, 1977.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 4, 1977	78.51						

ASCENSION PARISH

301411090550501 LOCAL WELL NUMBER: AN-2

OWNER: TOWN 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 2-IN COLLAR, 0.57 FT ABOVE LSD.
 LSD 8.14 FT ABOVE MSL.
 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
FEB. 28, 1977	5.73	MAY 17	1.70	JULY 26, 1977	5.08		

302008090541601 LOCAL WELL NUMBER: AN-16

OWNER: ROGER M. FRITCHIE. (SEC. 20, T. 8S., R. 3E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND OF PLIOCENE AGE, DIAM 2 IN, DEPTH 1693 FT, SCREENED 1663-1693. MP CENTERLINE OF 2-IN TEE, 0.70 FT ABOVE LSD.
 LSD 16.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 45.73 ABOVE LSD, DEC. 8, 1954, FEB. 28, 1955, APR. 28, 1955,
 LOWEST WATER LEVEL 7.70 ABOVE LSD, MAY 17, 1977.
 RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 17, 1977	+7.70						

See footnotes at end of table.

GROUND-WATER LEVELS

CALCASIEU PARISH

301405093153501 LOCAL WELL NUMBER: CU-77

OWNER: OLIN MATHIESON CHEMICAL CORP. (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 ABOVE MSL.
 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. 4, 1976	143.72H	JAN. 5, 1977	135.40	APR. 5, 1977	134.60	JULY 5, 1977	137.07
OCT. 5	143.75	JAN. 10	137.50	APR. 10	133.90	JULY 10	145.42
OCT. 10	142.30	JAN. 15	137.18	APR. 15	136.65	JULY 15	136.75
OCT. 15	142.98	JAN. 20	139.87	APR. 20	135.32	JULY 19	140.01H
OCT. 20	141.93H	JAN. 25	140.22H	APR. 25	136.20	JULY 20	139.30
OCT. 25	140.85	JAN. 25	140.18	APR. 27	134.23H	JULY 25	144.28
OCT. 31	137.85	JAN. 31	138.71	APR. 30	127.90	JULY 31	142.32
NOV. 5	136.65	FEB. 3	136.10H	MAY 5	129.08	AUG. 5	132.72
NOV. 8	135.45H	FEB. 5	137.32	MAY 10	131.85	AUG. 10	141.77
NOV. 10	136.35	FEB. 10	136.25	MAY 15	131.58	AUG. 15	141.65
NOV. 15	133.82	FEB. 15	135.87	MAY 20	131.70	AUG. 20	142.31
NOV. 20	134.93	FEB. 20	135.94	MAY 25	133.86H	AUG. 25	143.22
NOV. 24	135.41H	FEB. 23	125.14H	MAY 25	133.48	AUG. 26	141.73H
NOV. 25	133.83	FEB. 25	124.76	MAY 31	133.05	AUG. 31	142.54
NOV. 30	135.02	FEB. 28	127.70	JUNE 5	139.45	SEP. 5	144.01
DEC. 5	137.60	MAR. 5	136.32	JUNE 10	129.23	SEP. 10	143.02
DEC. 10	135.00	MAR. 10	124.95	JUNE 15	128.55	SEP. 15	137.00
DEC. 15	133.35	MAR. 15	134.17	JUNE 20	141.15	SEP. 20	143.98
DEC. 16	133.63H	MAR. 20	136.05	JUNE 22	132.62H	SEP. 23	145.18H
DEC. 20	133.80	MAR. 25	134.08	JUNE 25	133.24	SEP. 25	144.69
DEC. 25	134.33	MAR. 29	133.62H	JUNE 30	142.40	SEP. 30	145.41
DEC. 31	135.68	MAR. 31	135.41				

301300093151101 LOCAL WELL NUMBER: CU-84

OWNER: LAKE CHARLES HARBOR AND TERMINAL DISTRICT. (SEC. 2, T. 10S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 16 TO 6 IN, REPORTED DEPTH 683 FT, SCREENED 623-683. MP TOP OF 16-IN CASING, 1.0 FT ABOVE LSD.
 LSD 11.07 FT ABOVE MSL.
 HIGHEST WATER LEVEL 42.23 BELOW LSD, APR. 17, 1950,
 LOWEST WATER LEVEL 115.02 BELOW LSD, MAR. 8, 1977.
 RECORDS AVAILABLE 1949-51, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	115.02						

301516093143101 LOCAL WELL NUMBER: CU-112

OWNER: WOODIE HEAD. (SEC. 25, T. 9S., R. 9W.) DRILLED DOMESTIC ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 210 FT, SCREENED 190-210. MP TOP OF REDUCER, 0.40 FT ABOVE LSD.
 LSD 10.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 10.51 BELOW LSD, MAR. 7, 1975,
 LOWEST WATER LEVEL 48.00 BELOW LSD, FEB. 24, 1972.
 RECORDS AVAILABLE 1972, 1975, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	15.88						

300905093224501 LOCAL WELL NUMBER: CU-125

OWNER: CITIES SERVICE OIL CO. (SEC. 34, T. 10S., R. 10W.) DRILLED DOMESTIC ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 24 TO 12 IN, REPORTED DEPTH 700 FT. MP AT WIDE CRACK IN WOODEN COVER OVER WELL, 1.1 FT ABOVE LSD.
 LSD 14.20 FT ABOVE MSL.
 HIGHEST WATER LEVEL 10.23 BELOW LSD, APR. 11, 1944,
 LOWEST WATER LEVEL 96.10 BELOW LSD, MAR. 10, 1977.
 RECORDS AVAILABLE 1943-64, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1977	96.10						

See footnotes at end of table.

300342093005601 LOCAL WELL NUMBER: CU-158

OWNER: RAY GREGG. (SEC. 30, T. 11S., R. 6W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 24 TO 12 IN, REPORTED DEPTH 440 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 2.25 FT ABOVE LSD.

LSD 8.63 FT ABOVE MSL.
HIGHEST WATER LEVEL 26.53 BELOW LSD, APR. 15, 1959,
LOWEST WATER LEVEL 55.23 BELOW LSD, AUG. 27, 1962.
RECORDS AVAILABLE 1955-62, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1977	41.67						

300636093074601 LOCAL WELL NUMBER: CU-164

OWNER: MRS. C. M. VALLET AND OTHERS. (SEC. 13, T. 11S., R. 8W.) DRILLED IRRIGATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN, REPORTED DEPTH 359 FT, SCREENED 257-359. MP LOWER LIP OF DISCHARGE PIPE, 4.30 FT ABOVE LSD.

LSD 10.50 FT ABOVE MSL.
HIGHEST WATER LEVEL 25.25 BELOW LSD, APR. 14, 1959,
LOWEST WATER LEVEL 72.01 BELOW LSD, AUG. 27, 1962.
RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	47.00						

300400093091701 LOCAL WELL NUMBER: CU-167

OWNER: L. G. WITTNER. (SEC. 35, T. 11S., R. 8W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN, REPORTED DEPTH 350 FT, SCREENED 250-350. MP LOWER EDGE OF DISCHARGE PIPE, 9.48 FT ABOVE LSD.

LSD 7.80 FT ABOVE MSL.
HIGHEST WATER LEVEL 25.08 BELOW LSD, APR. 5, 1956,
LOWEST WATER LEVEL 65.33 BELOW LSD, AUG. 27, 1962.
RECORDS AVAILABLE 1955-62, 1972-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 11, 1977	41.78						

300443093084501 LOCAL WELL NUMBER: CU-168

OWNER: A. L. GAYLE. (SEC. 26, T. 11S., R. 8W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 24 TO 12 IN, REPORTED DEPTH 375 FT, SCREENED INTERVAL UNKNOWN. MP LOWER EDGE OF DISCHARGE PIPE, 4.95 FT ABOVE LSD.

LSD 7.81 FT ABOVE MSL.
HIGHEST WATER LEVEL 28.64 BELOW LSD, APR. 29, 1958,
LOWEST WATER LEVEL 67.56 BELOW LSD, AUG. 27, 1962.
RECORDS AVAILABLE 1958-62, 1972-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1977	44.57						

300816093093701 LOCAL WELL NUMBER: CU-172

OWNER: ERNEST CORBENO. (SEC. 2, T. 11S., R. 8W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN, REPORTED DEPTH 630 FT, SCREENED 544-630 MP LOWER LIP OF DISCHARGE PIPE, 0.63 FT ABOVE LSD.

LSD 15.65 FT ABOVE MSL.
HIGHEST WATER LEVEL 47.97 BELOW LSD, APR. 29, 1958,
LOWEST WATER LEVEL 81.45 BELOW LSD, SEP. 10, 1971.
RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	73.59						

GROUND-WATER LEVELS

CALCASIEU PARISH

300930093091501 LOCAL WELL NUMBER: CU-173

OWNER: R. W. PEYTON AND OTHERS. (SEC. 26, T. 10S., R. 8W.) DRILLED IRRIGATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 24 TO 12 IN, REPORTED DEPTH 726 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 1.02 FT ABOVE LSD.
 LSD 23.53 FT ABOVE MSL.
 HIGHEST WATER LEVEL 28.79 BELOW LSD, MAR. 10, 1947,
 LOWEST WATER LEVEL 91.15 BELOW LSD, MAR. 16, 1976.
 RECORDS AVAILABLE 1946-50, 1952-60, 1963-66, 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	88.43						

301641093083501 LOCAL WELL NUMBER: CU-193

OWNER: IDA B. CASTILE AND OTHERS. (SEC. 13, T. 9S., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN, DEPTH 442 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 4-IN TEE, 2.71 FT ABOVE LSD.
 LSD 10.64 FT ABOVE MSL.
 HIGHEST WATER LEVEL 42.78 BELOW LSD, MAR. 26, 1962,
 LOWEST WATER LEVEL 72.07 BELOW LSD, FEB. 22, 1971.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	58.69						

302700093253701 LOCAL WELL NUMBER: CU-213

OWNER: NEWPORT INDUSTRIES. (SEC. 18, T. 7S., R. 10W.) DRILLED UNUSED ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, REPORTED DEPTH 658 FT, SCREENED 574-658. MP TOP OF COUPLING IN CASING COVER, 1.85 FT ABOVE LSD.
 LSD 71.05 FT ABOVE MSL.
 HIGHEST WATER LEVEL 61.37 BELOW LSD, NOV. 26, 1963,
 LOWEST WATER LEVEL 82.15 BELOW LSD, AUG. 22, 1974.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	79.33						

302659093253601 LOCAL WELL NUMBER: CU-215

OWNER: NEWPORT INDUSTRIES. (SEC. 18, T. 7S., R. 10W.) DRILLED INDUSTRIAL ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 TO 8 IN, REPORTED DEPTH 365 FT, SCREENED 305-365. MP IS AT LAND SURFACE.
 LSD 70.55 FT ABOVE MSL.
 HIGHEST WATER LEVEL 57.39 BELOW LSD, APR. 27, 1964,
 LOWEST WATER LEVEL 73.43 BELOW LSD, JAN. 6, 1971.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	67.71						

301634093140201 LOCAL WELL NUMBER: CU-395

OWNER: KUSHNER AND LEE. (SEC. 13, T. 9S., R. 9W.) DRILLED DOMESTIC ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4-IN, REPORTED DEPTH 200 FT, SCREENED INTERVAL UNKNOWN. MP HOLE IN CASING COVER, 1.25 FT ABOVE LSD.
 LSD 12.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 45.43 BELOW LSD, MAR. 9, 1977,
 LOWEST WATER LEVEL 51.19 BELOW LSD, FEB. 24, 1972.
 RECORDS AVAILABLE 1972-73, 1975, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	45.43						

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 ABOVE MSL.
 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. 4, 1976	162.53H	DEC. 20, 1976	158.42	MAR. 15, 1977	155.73	JUNE 15, 1977	167.29
OCT. 5	161.84	DEC. 25	157.64	MAR. 20	156.18	JUNE 20	166.00
OCT. 10	160.91	DEC. 31	158.36	MAR. 25	154.85	JUNE 22	167.70H
OCT. 15	162.70	JAN. 5, 1977	159.13	MAR. 31	157.82	JUNE 25	166.78
OCT. 20	158.68H	JAN. 7	159.02H	APR. 5	156.76	JUNE 30	168.72
OCT. 25	158.50	JAN. 10	157.40	APR. 10	157.65	JULY 5	168.31
OCT. 31	155.28	JAN. 15	160.88	APR. 15	157.79	JULY 10	170.29
NOV. 5	154.72	JAN. 20	159.49	APR. 20	156.94	JULY 15	169.92
NOV. 8	154.65H	JAN. 25	160.40	APR. 25	157.64	JULY 19	170.08H
NOV. 10	155.09	JAN. 25	160.93H	APR. 26	158.18H	AUG. 26	169.50H
NOV. 15	152.52	JAN. 31	162.23	APR. 30	157.74	AUG. 31	169.25
NOV. 20	155.71	FEB. 5	162.55	MAY 5	157.42	SEP. 5	167.17
NOV. 24	156.24H	FEB. 10	162.71	MAY 10	157.82	SEP. 10	166.27
NOV. 25	156.48	FEB. 15	162.72	MAY 15	158.47	SEP. 15	164.61
NOV. 30	159.19	FEB. 20	157.52	MAY 20	161.47	SEP. 20	165.14
DEC. 5	157.38	FEB. 25	158.21	MAY 25	161.68H	SEP. 23	166.62H
DEC. 10	157.93	FEB. 28	154.92	MAY 31	164.59	SEP. 25	167.30
DEC. 15	158.70	MAR. 5	154.86	JUNE 5	163.93	SEP. 30	169.29
DEC. 16	158.43H	MAR. 10	154.94	JUNE 10	165.89		

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 ABOVE MSL.
 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. 4, 1976	119.87H	JAN. 7, 1977	115.85H	APR. 15, 1977	114.30	JULY 15, 1977	125.42
OCT. 5	119.74	JAN. 10	116.06	APR. 20	114.38	JULY 19	125.32H
OCT. 10	119.54	JAN. 15	117.01	APR. 25	114.67	JULY 20	125.14
OCT. 15	119.57	JAN. 20	118.48	APR. 26	114.70H	JULY 25	124.98
OCT. 20	119.39H	JAN. 25	119.30	APR. 30	114.79	JULY 31	125.10
NOV. 8	116.84H	JAN. 31	118.00	MAY 5	115.11	AUG. 5	124.85
NOV. 12	116.93H	FEB. 5	117.09	MAY 10	116.14	AUG. 10	124.66
NOV. 15	116.20	FEB. 10	116.60	MAY 15	116.92	AUG. 15	124.35
NOV. 20	115.87	FEB. 15	116.72	MAY 20	117.78	AUG. 20	124.09
NOV. 24	115.79H	FEB. 20	115.95	MAY 25	118.94	AUG. 25	123.50
NOV. 25	115.69	FEB. 25	115.35	MAY 31	119.43	AUG. 26	123.39H
NOV. 30	116.27	FEB. 28	115.26	JUNE 5	120.98	AUG. 31	122.81
DEC. 5	116.46	MAR. 5	114.52	JUNE 10	121.82	SEP. 5	122.70
DEC. 10	116.20	MAR. 10	114.14	JUNE 15	121.99	SEP. 10	122.12
DEC. 15	116.05	MAR. 15	114.00	JUNE 20	122.30	SEP. 15	121.30
DEC. 16	116.11H	MAR. 20	114.18	JUNE 22	122.38H	SEP. 20	121.01
DEC. 20	116.06	MAR. 25	113.94	JUNE 25	122.64	SEP. 23	121.05H
DEC. 25	115.79	MAR. 31	114.22	JUNE 30	122.96	SEP. 25	121.11
DEC. 31	115.74	APR. 5	114.25	JULY 5	123.70	SEP. 30	121.38
JAN. 5, 1977	115.87	APR. 10	114.32	JULY 10	124.75		

302043093334701 LOCAL WELL NUMBER: CU-452

OWNER: RAYMOND ROYER. (SEC. 23, T. 8S., R. 12W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN, REPORTED DEPTH 433 FT, SCREENED 348-433. MP TOP OF COUPLING, 0.60 FT ABOVE LSD.
 LSD 43.80 FT ABOVE MSL.
 HIGHEST WATER LEVEL 36.43 BELOW LSD, APR. 3, 1956,
 LOWEST WATER LEVEL 59.60 BELOW LSD, MAR. 14, 1975.
 RECORDS AVAILABLE 1955-62, 1975, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	59.54						

See footnotes at end of table.

GROUND-WATER LEVELS

CALCASIEU PARISH

300910093224001 LOCAL WELL NUMBER: CU-453

OWNER: COOPER PATTERSON. (SEC. 34, T. 10S., R. 10W.) DRILLED IRRIGATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 9 IN, REPORTED DEPTH 345 FT, SCREENED 261-345. MP LOWER LIP OF DISCHARGE PIPE, 4.25 FT ABOVE LSD.
 LSD 13.18 FT ABOVE MSL.
 HIGHEST WATER LEVEL 30.65 BELOW LSD, MAY 1, 1950,
 LOWEST WATER LEVEL 65.57 BELOW LSD, MAR. 3, 1975.
 RECORDS AVAILABLE 1948-62, 1972, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1977	63.70						

300458093170501 LOCAL WELL NUMBER: CU-483

OWNER: U. S. CORPS OF ENGINEERS. (SEC. 21, T. 11S., R. 9W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 6 TO 4 IN, REPORTED DEPTH 661 FT, SCREENED 639-661. MP TOP OF ACCESS HOLE IN PUMP BASE, 4.58 FT ABOVE LSD.
 LSD 3.98 FT ABOVE MSL.
 HIGHEST WATER LEVEL 45.46 BELOW LSD, MAR. 27, 1962,
 LOWEST WATER LEVEL 83.29 BELOW LSD, NOV. 15, 1973.
 RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1977	59.40						

301714093234201 LOCAL WELL NUMBER: CU-510

OWNER: MRS. LULA JOHNSON. (SEC. 9, T. 9S., R. 10W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 13 TO 10 IN, REPORTED DEPTH 450 FT, SCREENED 370-450. MP LOWER LIP OF DISCHARGE PIPE, 3.50 FT ABOVE LSD.
 LSD 19.75 FT ABOVE MSL.
 HIGHEST WATER LEVEL 41.29 BELOW LSD, MAR. 15, 1955,
 LOWEST WATER LEVEL 85.04 BELOW LSD, FEB. 27, 1973.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	83.57						

302228093140301 LOCAL WELL NUMBER: CU-517

OWNER: SWEETLAKE LAND AND OIL CO. (SEC. 12, T. 8S., R. 9W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN, REPORTED DEPTH 439 FT, SCREENED 357-439. MP LOWER LIP OF DISCHARGE PIPE, AT LAND SURFACE.
 LSD 38.80 FT ABOVE MSL.
 HIGHEST WATER LEVEL 45.24 BELOW LSD, APR. 4, 1956,
 LOWEST WATER LEVEL 76.19 BELOW LSD, MAR. 11, 1976.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	75.99						

300535093060001 LOCAL WELL NUMBER: CU-519

OWNER: F. H. HELMS. (SEC. 17, T. 11S., R. 7W.) DRILLED IRRIGATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 12 IN, REPORTED DEPTH 364 FT, SCREENED 284-364. MP LOWER LIP OF DISCHARGE PIPE, 5.38 FT ABOVE LSD.
 LSD 16.50 FT ABOVE MSL.
 HIGHEST WATER LEVEL 46.49 BELOW LSD, JAN. 1, 1972,
 LOWEST WATER LEVEL 53.28 BELOW LSD, MAR. 10, 1977.
 RECORDS AVAILABLE 1972, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1977	53.28						

300806093360601 LOCAL WELL NUMBER: CU-530

OWNER: MATILDA GRAY ESTATE. (SEC. 4, T. 11S., R. 12W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 10 IN, REPORTED DEPTH 595 FT, SCREENED 515-595. MP LOWER LIP OF DISCHARGE PIPE, AT LAND SURFACE.
 LSD 9.32 FT ABOVE MSL.
 HIGHEST WATER LEVEL 22.42 BELOW LSD, MAR. 16, 1955,
 LOWEST WATER LEVEL 57.40 BELOW LSD, FEB. 28, 1973.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1977	53.34						

302347093272901 LOCAL WELL NUMBER: CU-548

OWNER: CIRCLE DRILLING CO. (SEC. 2, T. 8S., R. 11W.) DRILLED INDUSTRIAL ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 TO 1 IN, REPORTED DEPTH 250 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1-IN AIRLINE, 4.0 FT ABOVE LSD.
 LSD 42.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 32.21 BELOW LSD, APR. 1, 1954,
 LOWEST WATER LEVEL 53.94 BELOW LSD, FEB. 29, 1972.
 RECORDS AVAILABLE 1954-62, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	49.30						

300312093073801 LOCAL WELL NUMBER: CU-549

OWNER: WALKER-LA. PROPERTIES. (SEC. 30, T. 11S., R. 7W.) DRILLED IRRIGATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM UNKNOWN, REPORTED DEPTH 360 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 5.99 FT ABOVE LSD.
 LSD 6.81 FT ABOVE MSL.
 HIGHEST WATER LEVEL 25.67 BELOW LSD, APR. 29, 1958,
 LOWEST WATER LEVEL 55.31 BELOW LSD, AUG. 27, 1963.
 RECORDS AVAILABLE 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 11, 1977	40.88						

301430093162401 LOCAL WELL NUMBER: CU-561

OWNER: CONTINENTAL OIL CO. (SEC. 34, T. 9S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 26 TO 16 IN, DEPTH 287 FT, SCREENED 227-287. MP SQUARE HOLE IN BRASS PLUG, AT LAND SURFACE.
 LSD 10.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 64.10 BELOW LSD, MAR. 9, 1977,
 LOWEST WATER LEVEL 69.91 BELOW LSD, FEB. 29, 1972.
 RECORDS AVAILABLE 1972-73, 1975, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	64.10						

302050093402101 LOCAL WELL NUMBER: CU-569

OWNER: EDGERLY RICE DRYER. (SEC. 23, T. 8S., R. 13W.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20, DEPTH 450 FT, SCREENED 370-450. MP TOP 1/2-IN HOLE, DRILLED IN COVER AT LSD.
 LSD 32.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 38.68 BELOW LSD, MAR. 8, 1977,
 LOWEST WATER LEVEL 42.62 BELOW LSD, AUG. 27, 1976.
 RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	38.68						

GROUND-WATER LEVELS

CALCASIEU PARISH

301450093251002 LOCAL WELL NUMBER: CU-581

OWNER: PITTSBURGH PLATE GLASS CO. (SEC. 30, T. 9S., R. 10W.) DRILLED UNUSED ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 16 TO 8 IN, REPORTED DEPTH 469 FT, SCREENED 409-469. MP TOP OF 16-IN CASING, 0.80 FT ABOVE LSD.
 LSD 14.44 FT ABOVE MSL.
 HIGHEST WATER LEVEL 49.38 BELOW LSD, JAN. 7, 1963,
 LOWEST WATER LEVEL 78.33 BELOW LSD, MAR. 4, 1974.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	77.13						

300818093224601 LOCAL WELL NUMBER: CU-614

OWNER: MAURICE DROST. (SEC. 3, T. 11S., R. 10 W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 11 IN, REPORTED DEPTH 545 FT, SCREENED 465-545. MP LOWER LIP OF DISCHARGE PIPE, 5.30 FT ABOVE LSD.
 LSD 10.31 FT ABOVE MSL.
 HIGHEST WATER LEVEL 44.41 BELOW LSD, MAR. 14, 1955,
 LOWEST WATER LEVEL 89.91 BELOW LSD, MAR. 4, 1974.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1977	88.15						

302240093400001 LOCAL WELL NUMBER: CU-625

OWNER: EDGERLY RICE DRYER. (SEC. 11, T. 8S., R. 13W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, REPORTED DEPTH 460 FT, SCREENED 380-460. MP LOWER LIP OF DISCHARGE PIPE, 6.5 FT ABOVE LSD.
 LSD 48.56 FT ABOVE MSL.
 HIGHEST WATER LEVEL 30.84 BELOW LSD, APR. 3, 1956,
 LOWEST WATER LEVEL 49.04 BELOW LSD, AUG. 26, 1964.
 RECORDS AVAILABLE 1954-75, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	48.41						

302044093160401 LOCAL WELL NUMBER: CU-632

OWNER: QUATRE PARISH CO. (SEC. 22, T. 8S., R. 9W.) DRILLED IRRIGATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 12 IN, REPORTED DEPTH 202 FT, SCREENED 142-202. MP LOWER LIP OF DISCHARGE PIPE, 8.0 FT ABOVE LSD.
 LSD 25.45 FT ABOVE MSL.
 HIGHEST WATER LEVEL 31.68 BELOW LSD, APR. 28, 1958,
 LOWEST WATER LEVEL 46.90 BELOW LSD, MAR. 9, 1969.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	43.85						

300935093171101 LOCAL WELL NUMBER: CU-634

OWNER: A. MILLER (SEC. 28, T. 10S., R. 9W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 10 IN, REPORTED DEPTH 578 FT, SCREENED 498-578. MP LOWER LIP OF DISCHARGE PIPE, 4.93 FT ABOVE LSD.
 LSD 18.36 FT ABOVE MSL.
 HIGHEST WATER LEVEL 108.19 BELOW LSD, FEB. 16, 1971,
 LOWEST WATER LEVEL 113.68 BELOW LSD, FEB. 25, 1974.
 RECORDS AVAILABLE 1971-74, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	112.69						

301250093321101 LOCAL WELL NUMBER: CU-635

OWNER: E. C. FONTENOT. (SEC. 6, T. 10S., R. 11W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 22 TO 10 IN, REPORTED DEPTH 460 FT, SCREENED 360-460. MP LOWER LIP OF DISCHARGE PIPE, 8.50 FT ABOVE LSD.
 LSD 19.92 FT ABOVE MSL.
 HIGHEST WATER LEVEL 33.38 BELOW LSD, MAR. 31, 1955.
 LOWEST WATER LEVEL 80.62 BELOW LSD, JULY 17, 1974.
 RECORDS AVAILABLE 1955-57, 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	65.76						

301438093025901 LOCAL WELL NUMBER: CU-640

OWNER: AMY WAITE ESTATE. (SEC. 26, T. 9S., R. 7W.) DRILLED IRRIGATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, REPORTED DEPTH 200 FT, SCREENED 140-200. MP LOWER LIP OF DISCHARGE PIPE, 5.40 FT ABOVE LSD.
 LSD 20.55 FT ABOVE MSL.
 HIGHEST WATER LEVEL 35.84 BELOW LSD, APR. 18, 1960.
 LOWEST WATER LEVEL 60.59 BELOW LSD, SEP. 4, 1963.
 RECORDS AVAILABLE 1955-60, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	53.78						

300714093074801 LOCAL WELL NUMBER: CU-641

OWNER: WALKER-LA. PROPERTIES. (SEC. 12, T. 11S., R. 8W.) DRILLED IRRIGATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN, REPORTED DEPTH 368 FT, SCREENED 268-368. MP LOWER LIP OF DISCHARGE PIPE, 12.10 FT ABOVE LSD.
 LSD 11.50 FT ABOVE MSL.
 HIGHEST WATER LEVEL 48.47 BELOW LSD, MAR. 11, 1976.
 LOWEST WATER LEVEL 49.53 BELOW LSD, FEB. 22, 1972.
 RECORDS AVAILABLE 1972-73, 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	48.80						

301641093035901 LOCAL WELL NUMBER: CU-642

OWNER: F. HEYD. (SEC. 10, T. 9S., R. 7W.) DRILLED IRRIGATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 14 TO 8 IN, REPORTED DEPTH 287 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 5.40 FT ABOVE LSD.
 LSD 19.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 52.48 BELOW LSD, MAR. 7, 1975.
 LOWEST WATER LEVEL 55.79 BELOW LSD, MAR. 8, 1977.
 RECORDS AVAILABLE 1972, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	55.79C						

300637093041201 LOCAL WELL NUMBER: CU-647

OWNER: SWEETLAKE LAND AND OIL CO. (SEC. 10, T. 11S., R. 7W.) DRILLED IRRIGATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 10 IN, REPORTED DEPTH 400 FT, SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 5.12 FT ABOVE LSD.
 LSD 10.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 44.52 BELOW LSD, MAR. 11, 1976.
 LOWEST WATER LEVEL 48.78 BELOW LSD, FEB. 27, 1975.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	44.77						

See footnotes at end of table.

GROUND-WATER LEVELS

CALCASIEU PARISH

301155093124401 LOCAL WELL NUMBER: CU-661

OWNER: GREATER LAKE CHARLES WATER CO. (SEC. 8, T. 10S., R. 8W.) DRILLED PUBLIC SUPPLY ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 12 IN, DEPTH 729 FT, SCREENED 649-729. MP VENT OF TOP OF CASING, 0.6 FT ABOVE LSD.
 LSD 15.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 96.17 BELOW LSD, MAR. 10, 1977,
 LOWEST WATER LEVEL 96.17 BELOW LSD, MAR. 10, 1977.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1977	96.17						

301713093173901 LOCAL WELL NUMBER: CU-667

OWNER: GULF STATES UTILITIES CO. (SEC. 9, T. 9S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 457 FT, SCREENED 447-457. MP TOP OF CASING FLANGE, 2.0 FT ABOVE LSD.
 LSD 17.91 FT ABOVE MSL.
 HIGHEST WATER LEVEL 72.49 BELOW LSD, MAR. 30, 1963,
 LOWEST WATER LEVEL 106.56 BELOW LSD, FEB. 19, 1971.
 RECORDS AVAILABLE 1962-74, 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	97.76						

300540093130301 LOCAL WELL NUMBER: CU-688

OWNER: WALKER-LA. PROPERTIES. (SEC. 19, T. 11S., R. 8W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 14 IN, REPORTED DEPTH 694 FT, SCREENED 614-694. MP LOWER LIP OF DISCHARGE PIPE, 5.6 FT ABOVE LSD.
 LSD 10.96 FT ABOVE MSL.
 HIGHEST WATER LEVEL 42.78 BELOW LSD, APR. 29, 1958,
 LOWEST WATER LEVEL 75.00 BELOW LSD, FEB. 24, 1975.
 RECORDS AVAILABLE 1958-69, 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1977	73.05						

301033093160801 LOCAL WELL NUMBER: CU-713

OWNER: LAKE CHARLES COUNTRY CLUB. (SEC. 22, T. 10S., R. 9W.) DRILLED RECREATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 8 IN, REPORTED DEPTH 210 FT, SCREENED 190-210. MP PLUG HOLE IN PUMP BASE, AT LAND SURFACE.
 LSD 15.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 48.42 BELOW LSD, FEB. 21, 1972,
 LOWEST WATER LEVEL 72.03 BELOW LSD, MAR. 16, 1976.
 RECORDS AVAILABLE 1972-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	66.40						

301420093130701 LOCAL WELL NUMBER: CU-718

OWNER: GREATER LAKE CHARLES WATER CO. (SEC. 30, T. 9S., R. 8W.) DRILLED PUBLIC SUPPLY ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 26 TO 16 IN, DEPTH 500 FT, SCREENED 400-500. MP VENT OF TOP OF CASING, 1.0 FT ABOVE LSD.
 LSD 15.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 99.49 BELOW LSD, MAR. 10, 1977,
 LOWEST WATER LEVEL 99.49 BELOW LSD, MAR. 10, 1977.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1977	99.49						

300816093125101 LOCAL WELL NUMBER: CU-724

OWNER: LAKE CHARLES MUNICIPAL AIRPORT. (SEC. 6, T. 11S., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 18 TO 10 IN, REPORTED DEPTH 653 FT, SCREENED 573-653. MP TOP OF LOWER LIP OF PIPE COUPLING, 0.84 FT ABOVE LSD.
 LSD 18.37 FT ABOVE MSL.
 HIGHEST WATER LEVEL 61.50 BELOW LSD, MAR. 27, 1962,
 LOWEST WATER LEVEL 97.14 BELOW LSD, SEP. 10, 1971.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	86.46						

301404093170501 LOCAL WELL NUMBER: CU-725

OWNER: U. S. GEOL. SURVEY. (SEC. 33, T. 9S., R. 9W.) DRILLED OBSERVATION 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, 2.0 FT ABOVE LSD.
 LSD 17.50 FT ABOVE MSL.
 HIGHEST WATER LEVEL 98.10 BELOW LSD, MAR. 2, 1962,
 LOWEST WATER LEVEL 145.64 BELOW LSD, OCT. 21, 1975.
 RECORDS AVAILABLE 1961-72, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	140.44						

301404093170502 LOCAL WELL NUMBER: CU-726

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 351 FT, SCREENED 341-351. MP TOP OF 2-IN CASING, 2.0 FT ABOVE LSD.
 LSD 17.38 FT ABOVE MSL.
 HIGHEST WATER LEVEL 100.59 BELOW LSD, OCT. 21, 1975,
 LOWEST WATER LEVEL 148.97 BELOW LSD, FEB. 20, 1971.
 RECORDS AVAILABLE 1962-71, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	113.82						

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 ABOVE MSL.
 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. 20, 1976	73.96	FEB. 23, 1977	72.35	APR. 27, 1977	71.27	JULY 19, 1977	75.49
NOV. 24	72.96	MAR. 9	72.27	MAY 25	73.28	AUG. 26	75.37
DEC. 16	72.52	MAR. 29	71.67	JUNE 22	74.88	SEP. 22	76.02
JAN. 25, 1977	72.58						

301256093172001 LOCAL WELL NUMBER: CU-731

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "700-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 659 FT, SCREENED 650-659. MP TOP OF 2-IN CASING, 1.80 FT ABOVE LSD.
 LSD 11.79 FT ABOVE MSL.
 HIGHEST WATER LEVEL 87.33 BELOW LSD, APR. 2, 1962,
 LOWEST WATER LEVEL 142.88 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	128.16						

GROUND-WATER LEVELS

CALCASIEU PARISH

301256093172002 LOCAL WELL NUMBER: CU-732

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 492 FT, SCREENED 480-492. MP TOP OF 2-IN CASING, 1.28 FT ABOVE LSD.
 LSD 12.08 FT ABOVE MSL.
 HIGHEST WATER LEVEL 90.15 BELOW LSD, APR. 2, 1962,
 LOWEST WATER LEVEL 148.01 BELOW LSD, OCT. 2, 1974.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	132.74						

301256093172003 LOCAL WELL NUMBER: CU-733

OWNER: U. S. GEOL. SURVEY. (SEC. 4, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 201 FT, SCREENED 191-201. MP TOP OF 2-IN CASING, 1.80 FT ABOVE LSD.
 LSD 12.16 FT ABOVE MSL.
 HIGHEST WATER LEVEL 49.54 BELOW LSD, MAR. 29, 1963,
 LOWEST WATER LEVEL 74.90 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	67.95						

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 699 FT, SCREENED 689-699. MP TOP OF 1-IN CASING, 3.35 FT ABOVE LSD.
 LSD 6.89 FT ABOVE MSL.
 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
OCT. 20, 1976	132.50	FEB. 23, 1977	129.57	APR. 27, 1977	129.43	JULY 19, 1977	135.93
NOV. 24	128.19	MAR. 9	128.58	MAY 25	134.04	AUG. 26	136.82
DEC. 16	123.99	MAR. 29	128.71	JUNE 22	136.02	SEP. 23	136.66
JAN. 25, 1977	132.11						

301315093165501 LOCAL WELL NUMBER: CU-738

OWNER: U. S. GEOL. SURVEY. (SEC. 3, 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 550-560. MP TOP OF 2-IN CASING, 1.66 FT ABOVE LSD.
 LSD 6.57 FT ABOVE MSL.
 HIGHEST WATER LEVEL 91.64 BELOW LSD, APR. 2, 1962,
 LOWEST WATER LEVEL 152.55 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	136.28						

301315093165502 LOCAL WELL NUMBER: CU-739

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 201 FT, SCREENED 191-201. MP TOP OF 2-IN PIPE, 1.91 FT ABOVE LSD.
 LSD 6.63 FT ABOVE MSL.
 HIGHEST WATER LEVEL 32.14 BELOW LSD, JAN. 21, 1975,
 LOWEST WATER LEVEL 68.83 BELOW LSD, JAN. 24, 1973.
 RECORDS AVAILABLE 1962-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	63.63						

301300093161601 LOCAL WELL NUMBER: CU-746

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 780 FT, SCREENED 770-780. MP TOP OF 2-IN CASING, 2.0 FT ABOVE LSD.
 LSD 7.22 FT ABOVE MSL.
 HIGHEST WATER LEVEL 80.32 BELOW LSD, APR. 30, 1962,
 LOWEST WATER LEVEL 131.63 BELOW LSD, MAR. 8, 1969.
 RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	115.94						

301300093161602 LOCAL WELL NUMBER: CU-747

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 540 FT, SCREENED 530-540. MP TOP OF 2-IN CASING, 2.0 FT ABOVE LSD.
 LSD 7.17 FT ABOVE MSL.
 HIGHEST WATER LEVEL 88.60 BELOW LSD, MAR. 29, 1963,
 LOWEST WATER LEVEL 129.73 BELOW LSD, FEB. 28, 1973.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	125.38						

301300093161603 LOCAL WELL NUMBER: CU-748

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 280 FT, SCREENED 270-280. MP TOP OF 2-IN CASING, 2.12 FT ABOVE LSD.
 LSD 7.15 FT ABOVE MSL.
 HIGHEST WATER LEVEL 43.52 BELOW LSD, MAR. 29, 1963,
 LOWEST WATER LEVEL 69.76 BELOW LSD, NOV. 25, 1968.
 RECORDS AVAILABLE 1963-73, 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	61.18						

301321093125101 LOCAL WELL NUMBER: CU-755

OWNER: PURE ICE CO. (SEC. 6, T. 10S., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 10 TO 6 IN, REPORTED DEPTH 430 FT, SCREENED 370-430. MP ACCESS HOLE IN PUMP BASE, 2.83 FT ABOVE LSD.
 LSD 8.29 FT ABOVE MSL.
 HIGHEST WATER LEVEL 67.72 BELOW LSD, APR. 1, 1963,
 LOWEST WATER LEVEL 111.17 BELOW LSD, SEP. 10, 1971.
 RECORDS AVAILABLE 1962-75, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	92.58						

300617092554101 LOCAL WELL NUMBER: CU-761

OWNER: JOSEPH PRIMEAUX. (SEC. 7, T. 11S., R. 5W.) DRILLED IRRIGATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 TO 8 IN, REPORTED DEPTH 385 FT, SCREENED 302-385. MP TOP OF TAP HOLE IN DISCHARGE PIPE, 2.0 FT ABOVE LSD.
 LSD 9.61 FT ABOVE MSL.
 HIGHEST WATER LEVEL 29.55 BELOW LSD, MAR. 29, 1963,
 LOWEST WATER LEVEL 49.46 BELOW LSD, AUG. 25, 1965.
 RECORDS AVAILABLE 1962-66, 1968-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	40.35						

GROUND-WATER LEVELS

CALCASIEU PARISH

302052093335602 LOCAL WELL NUMBER: CU-762

OWNER: RAYMOND ROYER. (SEC. 23, T. 8S., R. 12W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 TO 8 IN, REPORTED DEPTH 431 FT, SCREENED 372-431. MP LOWER LIP OF DISCHARGE PIPE, 4.65 FT ABOVE LSD.
 LSD 42.23 FT ABOVE MSL.
 HIGHEST WATER LEVEL 44.25 BELOW LSD, MAR. 29, 1963,
 LOWEST WATER LEVEL 59.74 BELOW LSD, MAR. 1, 1973.
 RECORDS AVAILABLE 1963-73, 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	59.51						

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 ABOVE MSL.
 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
OCT. 18, 1976	95.18	MAR. 29, 1977	89.49	JUNE 23, 1977	98.40	AUG. 26, 1977	97.20
FEB. 28, 1977	90.03	APR. 27	91.09	JULY 19	99.92	SEP. 21	95.85
MAR. 1	89.99	MAY 23	96.75				

301036093124402 LOCAL WELL NUMBER: CU-768

OWNER: U. S. GEOL. SURVEY. (SEC. 20, T. 10S., R. 8W.) DRILLED OBSERVATION 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 ABOVE MSL.
 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
OCT. 18, 1976	77.39	FEB. 28, 1977	73.88	APR. 27, 1977	73.02	JULY 19, 1977	79.47
NOV. 23	75.54	MAR. 1	73.69	MAY 23	75.50	AUG. 26	78.35
DEC. 15	74.76	MAR. 29	73.02	JUNE 23	78.10	SEP. 21	77.71
JAN. 24, 1977	74.42						

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, 2.0 FT ABOVE LSD.
 LSD 17.62 FT ABOVE MSL.
 HIGHEST WATER LEVEL 91.56 BELOW LSD, MAR. 28, 1963,
 LOWEST WATER LEVEL 146.44 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	131.73	MAR. 15	131.65				

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 ABOVE MSL.
 HIGHEST WATER LEVEL 91.77 BELOW LSD, MAR. 28, 1963,
 LOWEST WATER LEVEL 146.72 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	131.99	MAR. 15	131.95				

301336093183002 LOCAL WELL NUMBER: CU-771

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 241 FT, SCREENED 231-241. MP TOP OF 2-IN CASING, 2.02 FT ABOVE LSD.
 LSD 17.76 FT ABOVE MSL.
 HIGHEST WATER LEVEL 54.97 BELOW LSD, MAR. 28, 1963,
 LOWEST WATER LEVEL 83.83 BELOW LSD, JULY 21, 1971.
 RECORDS AVAILABLE 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	73.70	MAR. 15	73.37				

301808093384001 LOCAL WELL NUMBER: CU-781

OWNER: EDGERLY RICE DRYER. (SEC. 1, T. 9S., R. 13W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 22 TO 12 IN, REPORTED DEPTH 460 FT, SCREENED 380-460. MP LOWER LIP OF DISCHARGE PIPE, 5.16 FT ABOVE LSD.
 LSD 34.59 FT ABOVE MSL.
 HIGHEST WATER LEVEL 38.75 BELOW LSD, APR. 4, 1964,
 LOWEST WATER LEVEL 58.00 BELOW LSD, SEP. 13, 1971.
 RECORDS AVAILABLE 1964-74, 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	51.48						

301218093175801 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, SCREENED 522-532. MP TOP OF 2-IN PLASTIC PIPE, 2.0 FT ABOVE LSD.
 LSD 10.78 FT ABOVE MSL.
 HIGHEST WATER LEVEL 89.65 BELOW LSD, APR. 8, 1964,
 LOWEST WATER LEVEL 144.88 BELOW LSD, JULY 25, 1974.
 RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	127.15	MAR. 15	127.20	JUNE 16, 1977	134.69		

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 ABOVE MSL.
 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
MAR. 1, 1977	84.42	MAR. 8	84.07				

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 ABOVE MSL.
 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
MAR. 1, 1977	84.52	MAR. 8	84.20				

GROUND-WATER LEVELS

CALCASIEU PARISH

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, 4.0 FT ABOVE LSD.
 LSD 4.33 FT ABOVE MSL.
 HIGHEST WATER LEVEL 46.98 BELOW LSD, APR. 13, 1965,
 LOWEST WATER LEVEL 78.58 BELOW LSD, AUG. 2, 1972.
 RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1977	69.31	MAR. 10	68.52				

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, 2.0 FT ABOVE LSD.
 LSD 6.11 FT ABOVE MSL.
 HIGHEST WATER LEVEL 47.61 BELOW LSD, APR. 12, 1965,
 LOWEST WATER LEVEL 77.82 BELOW LSD, AUG. 2, 1972.
 RECORDS AVAILABLE 1964-75, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1977	69.05	MAR. 10	68.64				

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, 2.0 FT ABOVE LSD.
 LSD 18.42 FT ABOVE MSL.
 HIGHEST WATER LEVEL 86.31 BELOW LSD, APR. 12, 1965,
 LOWEST WATER LEVEL 131.68 BELOW LSD, AUG. 2, 1972.
 RECORDS AVAILABLE 1964-75, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	114.60						

302337093244601 LOCAL WELL NUMBER: CU-790

OWNER: U. S. GEOL. SURVEY. (SEC. 5, T. 8S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 360 FT, SCREENED 355-360. MP TOP OF 2-IN CASING, 2.0 FT ABOVE LSD.
 LSD 53.29 FT ABOVE MSL.
 HIGHEST WATER LEVEL 61.15 BELOW LSD, MAR. 24, 1965,
 LOWEST WATER LEVEL 78.29 BELOW LSD, JUNE 19, 1975.
 RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	73.83						

300859093155901 LOCAL WELL NUMBER: CU-795

OWNER: MELVIN ROSFELD. (SEC. 34, T. 10S., R. 9W.) DRILLED IRRIGATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 10 IN, REPORTED DEPTH 623 FT, SCREENED 543-623. MP LOWER LIP OF DISCHARGE PIPE, 6.50 FT ABOVE LSD.
 LSD 15.43 FT ABOVE MSL.
 HIGHEST WATER LEVEL 73.09 BELOW LSD, APR. 1, 1965,
 LOWEST WATER LEVEL 111.39 BELOW LSD, MAR. 8, 1977.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	111.39						

301339093074701 LOCAL WELL NUMBER: CU-796

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 9S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 490 FT, SCREENED 485-490. MP TOP OF 2-IN CASING, 2.50 FT ABOVE LSD.
 LSD 10.76 FT ABOVE MSL.
 HIGHEST WATER LEVEL 58.88 BELOW LSD, MAR. 20, 1967,
 LOWEST WATER LEVEL 73.10 BELOW LSD, FEB. 26, 1974.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	71.48						

300919093055601 LOCAL WELL NUMBER: CU-798

OWNER: E. O. DAUGHENBAUGH AND SON. (SEC. 29, T. 10S., R. 7W.) DRILLED IRRIGATION ARTESIAN WELL IN "200-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 12 IN, REPORTED DEPTH 345 FT, SCREENED 265-345. MP LOWER LIP OF DISCHARGE PIPE, 2.00 FT ABOVE LSD.
 LSD 25.43 FT ABOVE MSL.
 HIGHEST WATER LEVEL 53.79 BELOW LSD, MAR. 20, 1967,
 LOWEST WATER LEVEL 65.95 BELOW LSD, FEB. 19, 1971.
 RECORDS AVAILABLE 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	59.53						

301407093145201 LOCAL WELL NUMBER: CU-810

OWNER: U. S. GEOL. SURVEY. (SEC. 36, T. 9S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 676 FT, SCREENED 666-676. MP TOP OF 2-IN CASING, 2.8 FT ABOVE LSD.
 LSD 10.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 111.03 BELOW LSD, FEB. 20, 1976,
 LOWEST WATER LEVEL 124.95 BELOW LSD, SEP. 20, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	112.35	MAR. 18	112.43				

300812093165802 LOCAL WELL NUMBER: CU-811

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 11S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN 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 ABOVE MSL.
 HIGHEST WATER LEVEL 90.60 BELOW LSD, MAR. 4, 1976,
 LOWEST WATER LEVEL 99.85 BELOW LSD, SEP. 8, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	91.77	MAR. 15	91.37				

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 1 1/4-IN PIPE, 1.95 FT ABOVE LSD.
 LSD 12.00 FT ABOVE MSL.
 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
MAR. 7, 1977	144.45	JUNE 7	155.99				

GROUND-WATER LEVELS

CALCASIEU PARISH

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 2-IN PIPE, 2.63 FT ABOVE LSD.
 LSD 12.00 FT ABOVE MSL.
 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
MAR. 7, 1977	66.87	JUNE 7	67.82				

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, 2.82 FT ABOVE LSD.
 LSD 12.00 FT ABOVE MSL.
 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
MAR. 7, 1977	143.46	JUNE 7	155.08				

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 CASING, 1.58 FT ABOVE LSD.
 LSD 13.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 122.93 BELOW LSD, MAR. 12, 1976,
 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
MAR. 7, 1977	125.56	JUNE 13	134.20				

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, 1.0 FT ABOVE LSD.
 LSD 15.00 FT ABOVE MSL.
 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
NOV. 15, 1976	148.89	JUNE 16, 1977	159.28				

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 ABOVE MSL.
 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
NOV. 17, 1976	127.07	MAR. 7, 1977	127.25	JUNE 10, 1977	135.74		

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 100.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 128.81 BELOW LSD, FEB. 27, 1976,
 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
MAR. 7, 1977	131.30	JUNE 15	140.33				

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 555 FT, SCREENED 550-555. MP TOP OF 2-IN CASING, 1.16 FT ABOVE LSD.
 LSD 10.00 FT ABOVE MSL.
 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
MAR. 7, 1977	129.39	JUNE 15	137.74				

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 ABOVE MSL.
 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
MAR. 7, 1977	135.60	JUNE 10	146.06				

300806093360301 LOCAL WELL NUMBER: CU-853

OWNER: MATILDA GRAY. (SEC. 4, T. 11S., R. 12W.) DRILLED STOCK SUPPLY ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 230 FT, SCREENED 220-230. MP 1/2-IN PLUG IN SANITARY SEAL, 1.65 FT ABOVE LSD.
 LSD 18.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 60.87 BELOW LSD, MAR. 10, 1977,
 LOWEST WATER LEVEL 60.87 BELOW LSD, MAR. 10, 1977.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1977	60.87						

300643093044702 LOCAL WELL NUMBER: CU-854

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 11S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 430 FT, SCREENED 420-430. MP TOP OF 2-IN CASING, 2.91 FT ABOVE LSD.
 LSD 20.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 52.42 BELOW LSD, MAR. 11, 1976,
 LOWEST WATER LEVEL 77.47 BELOW LSD, JUNE 19, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 17, 1977	52.73						

GROUND-WATER LEVELS

CALCASIEU PARISH

300643093044701 LOCAL WELL NUMBER: CU-947

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 11S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 600 FT, SCREENED 595-600. MP TOP OF 2-IN CASING, 1.14 FT ABOVE LSD.
 LSD 20.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 64.54 BELOW LSD, MAR. 11, 1976,
 LOWEST WATER LEVEL 75.84 BELOW LSD, SEP. 3, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 17, 1977	64.83						

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, 3.0 FT ABOVE LSD.
 LSD 20.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 65.36 BELOW LSD, MAR. 4, 1976,
 LOWEST WATER LEVEL 73.68 BELOW LSD, AUG. 1, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	65.98						

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 ABOVE MSL.
 HIGHEST WATER LEVEL 113.19 BELOW LSD, APR. 16, 1975,
 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
NOV. 16, 1976	115.77	MAR. 7, 1977	114.17				

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 ABOVE MSL.
 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. 16, 1976	120.36	MAR. 7, 1977	118.72				

300812093165801 LOCAL WELL NUMBER: CU-962

OWNER: U. S. GEOL. SURVEY. (SEC. 3, T. 11S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 287 FT, SCREENED 281-287. MP TOP OF 2-IN CASING, 1.7 FT ABOVE LSD.
 LSD 11.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 52.97 BELOW LSD, MAR. 4, 1976,
 LOWEST WATER LEVEL 55.22 BELOW LSD, NOV. 4, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	53.27	MAR. 15	53.14				

300718093220001 LOCAL WELL NUMBER: CU-963

OWNER: U. S. GEOL. SURVEY. (SEC. 11, T. 11S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 399 FT, SCREENED 393-399. MP TOP OF 2-IN CASING, 1.6 FT ABOVE LSD.
 LSD 10.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 83.78 BELOW LSD, APR. 23, 1975.
 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
MAR. 8, 1977	84.93	MAR. 16	85.03				

301339093253901 LOCAL WELL NUMBER: CU-964

OWNER: U. S. GEOL. SURVEY. (SEC. 31, T. 9S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 360 FT, SCREENED 354-360. MP TOP OF 2-IN CASING, 1.30 FT ABOVE LSD.
 LSD 16.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 73.73 BELOW LSD, JAN. 23, 1976.
 LOWEST WATER LEVEL 89.78 BELOW LSD, AUG. 19, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	76.96	MAR. 15	76.74				

301013093231201 LOCAL WELL NUMBER: CU-965

OWNER: U. S. GEOL. SURVEY. (SEC. 21, T. 10S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 270 FT, SCREENED 264-270. MP TOP OF 2-IN CASING, AT LAND SURFACE.
 LSD 15.00 FT ABOVE MSL.
 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
MAR. 10, 1977	65.24	MAR. 16	65.19				

301350093045001 LOCAL WELL NUMBER: CU-966

OWNER: U. S. GEOL. SURVEY. (SEC. 33, T. 9S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 235 FT, SCREENED 229-235. MP TOP OF 2-IN CASING, 1.4 FT ABOVE LSD.
 LSD 18.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 51.38 BELOW LSD, MAR. 1, 1977.
 LOWEST WATER LEVEL 71.45 BELOW LSD, JUNE 19, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1977	51.38						

301147093141901 LOCAL WELL NUMBER: CU-967

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 10S., R. 9W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 240 FT, SCREENED 234-240. MP TOP OF 2-IN CASING, 1.37 FT ABOVE LSD.
 LSD 15.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 65.36 BELOW LSD, MAR. 8, 1977.
 LOWEST WATER LEVEL 71.69 BELOW LSD, AUG. 29, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	65.36	MAR. 15	66.08				

GROUND-WATER LEVELS

CALCASIEU PARISH

300557093250401 LOCAL WELL NUMBER: CU-968

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 11S., R. 11W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 276 FT, SCREENED 270-276. MP TOP OF 2-IN CASING, 1.3 FT ABOVE LSD.
 LSD 10.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 48.86 BELOW LSD, MAR. 10, 1977,
 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
MAR. 10, 1977	48.86	MAR. 16	48.88				

300325093111701 LOCAL WELL NUMBER: CU-969

OWNER: U. S. GEOL. SURVEY. (SEC. 12, T. 10S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN 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 ABOVE MSL.
 HIGHEST WATER LEVEL 52.81 BELOW LSD, MAR. 1, 1977,
 LOWEST WATER LEVEL 84.33 BELOW LSD, JULY 19, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 1, 1977	52.81						

300534092564401 LOCAL WELL NUMBER: CU-970

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 11S., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 780 FT, SCREENED 770-780. MP TOP OF 2-IN CASING, 4.0 FT ABOVE LSD.
 LSD 5.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 37.71 BELOW LSD, MAR. 2, 1977,
 LOWEST WATER LEVEL 44.28 BELOW LSD, JULY 24, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1977	37.71						

300534092564402 LOCAL WELL NUMBER: CU-971

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 11S., R. 5W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 500 FT, SCREENED 490-500. MP TOP OF 2-IN CASING, 3.0 FT ABOVE LSD.
 LSD 5.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 34.38 BELOW LSD, MAR. 2, 1977,
 LOWEST WATER LEVEL 46.18 BELOW LSD, JULY 24, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 2, 1977	34.38						

301941093035601 LOCAL WELL NUMBER: CU-972

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 8S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN 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 ABOVE MSL.
 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-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	45.60	JUNE 16	50.36				

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 660 FT, SCREENED 650-660. MP TOP OF 2-IN CASING, 4.22 FT ABOVE LSD.
 LSD 5.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 81.61 BELOW LSD, MAR. 18, 1977.
 LOWEST WATER LEVEL 93.05 BELOW LSD, AUG. 18, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	83.98	MAR. 18	81.61				

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 465 FT, SCREENED 455-465. MP TOP OF 2-IN CASING, 4.0 FT ABOVE LSD.
 LSD 5.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 82.68 BELOW LSD, FEB. 20, 1976.
 LOWEST WATER LEVEL 92.83 BELOW LSD, AUG. 18, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	83.28	MAR. 18	85.00				

301941093035602 LOCAL WELL NUMBER: CU-975

OWNER: U. S. GEOL. SURVEY. (SEC. 27, T. 8S., R. 7W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 237 FT, SCREENED 231-237. MP TOP OF 2-IN CASING, 1.8 FT ABOVE LSD.
 LSD 20.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 38.89 BELOW LSD, FEB. 20, 1976.
 LOWEST WATER LEVEL 39.58 BELOW LSD, JULY 8, 1976.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 9, 1977	39.06	JUNE 16	39.27				

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 ABOVE MSL.
 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
NOV. 16, 1976	121.79	MAR. 9, 1977	121.14	JUNE 13, 1977	129.07		

301944093170402 LOCAL WELL NUMBER: CU-977

OWNER: U. S. GEOL. SURVEY. (SEC. 35, T. 8S., R. 10W.) DRILLED OBSERVATION ARTESIAN WELL IN 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 ABOVE MSL.
 HIGHEST WATER LEVEL 64.64 BELOW LSD, MAR. 4, 1976.
 LOWEST WATER LEVEL 71.87 BELOW LSD, AUG. 19, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	65.22						

GROUND-WATER LEVELS

CLACASIEU PARISH

301409093120301 LOCAL WELL NUMBER: CU-978

OWNER: U. S. GEOL. SURVEY. (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 ABOVE MSL.
 HIGHEST WATER LEVEL 91.50 BELOW LSD, FEB. 20, 1976,
 LOWEST WATER LEVEL 99.88 BELOW LSD, SEP. 8, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	91.99	MAR. 14	91.92	JUNE 6, 1977	98.49		

301005093110401 LOCAL WELL NUMBER: CU-979

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 10S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 555 FT, SCREENED 550-555. MP TOP OF 2-IN CASING, 3.0 FT ABOVE LSD.
 LSD 20.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 86.79 BELOW LSD, MAR. 23, 1976,
 LOWEST WATER LEVEL 97.98 BELOW LSD, JULY 17, 1975.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	88.17						

300813093403901 LOCAL WELL NUMBER: CU-981

OWNER: LA. TOURIST COMMISSION. (SEC. 3, T. 11S., R. 13W.) DRILLED RECREATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 6 IN, DEPTH 200 FT, SCREENED 180-200. MP VENT IN TOP OF SANITARY PLUG, 1.75 FT ABOVE LSD.
 LSD 9.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 12.17 BELOW LSD, MAR. 5, 1975,
 LOWEST WATER LEVEL 14.35 BELOW LSD, MAR. 10, 1977.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1977	14.35						

301008093172001 LOCAL WELL NUMBER: CU-982

OWNER: MRS. R. G. STEWART. (SEC. 21, T. 10S., R. 9W.) DRILLED UNUSED ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 500 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 4-IN CASING, 1.57 FT ABOVE LSD.
 LSD 20.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 113.53 BELOW LSD, FEB. 21, 1974,
 LOWEST WATER LEVEL 114.27 BELOW LSD, MAR. 28, 1975.
 RECORDS AVAILABLE 1974-75, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	114.18						

301335093130101 LOCAL WELL NUMBER: CU-985

OWNER: CARL H. HANCHEY. (SEC. 6, T. 9S., R. 8W.) DRILLED UNUSED ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 400 FT, SCREENED 380-400. MP TOP OF COUPLING, MUST REMOVE PLUG TO MEASURE, 0.18 FT ABOVE LSD.
 LSD 10.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 101.50 BELOW LSD, APR. 7, 1975,
 LOWEST WATER LEVEL 114.64 BELOW LSD, AUG. 18, 1975.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1976	108.51	JAN. 24, 1977	102.92	JUNE 23, 1977	108.98	AUG. 26, 1977	111.05
NOV. 24	103.51	FEB. 23	101.67	JULY 20	111.90	SEP. 21	109.21
DEC. 15	103.19	MAY 23	107.92				

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, 2.8 FT ABOVE LSD.
 LSD 14.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 94.30 BELOW LSD, MAR. 26, 1976,
 LOWEST WATER LEVEL 107.42 BELOW LSD, JULY 20, 1977.
 RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1976	102.72	JAN. 24, 1977	95.20	MAY 23, 1977	104.82	AUG. 26, 1977	104.76
NOV. 23	99.40	FEB. 28	97.88	JUNE 23	106.50	SEP. 21	104.05
DEC. 15	98.95	APR. 27	98.32	JULY 20	107.42		

301059093125102 LOCAL WELL NUMBER: CU-989

OWNER: U. S. GEOL. SURVEY. (SEC. 19, T. 10S., R. 8W.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 330 FT, SCREENED 325-330. MP TOP OF CASING, 2.7 FT ABOVE LSD.
 LSD 14.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 75.02 BELOW LSD, JAN. 24, 1977,
 LOWEST WATER LEVEL 84.75 BELOW LSD, JULY 20, 1977.
 RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1976	82.38	JAN. 24, 1977	75.02	MAY 23, 1977	80.77	AUG. 26, 1977	83.60
NOV. 23	80.50	FEB. 28	78.86	JUNE 23	83.42	SEP. 21	82.94
DEC. 15	79.78	APR. 27	78.20	JULY 20	84.75		

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, 2.8 FT ABOVE LSD.
 LSD 14.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 66.18 BELOW LSD, APR. 22, 1976,
 LOWEST WATER LEVEL 71.00 BELOW LSD, JULY 20, 1977.
 RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 18, 1976	70.28	JAN. 24, 1977	66.23	MAY 23, 1977	67.81	AUG. 26, 1977	70.85
NOV. 23	69.08	FEB. 28	67.56	JUNE 23	69.87	SEP. 21	70.55
DEC. 15	68.40	APR. 27	66.72	JULY 20	71.00		

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, 1.8 FT ABOVE LSD.
 LSD 20.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 42.58 BELOW LSD, MAR. 9, 1977,
 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
MAR. 9, 1977	42.58						

300634093400401 LOCAL WELL NUMBER: CU-994

OWNER: U. S. GEOL. SURVEY. (SEC. 14, T. 11S., R. 13W.) DRILLED OBSERVATION ARTESIAN WELL IN "500-FT" SAND OF CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 760 FT, SCREENED 755-760. MP TOP OF 2-IN CASING, 2.9 FT ABOVE LSD.
 LSD 5.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 52.13 BELOW LSD, MAR. 2, 1976,
 LOWEST WATER LEVEL 52.39 BELOW LSD, MAR. 10, 1977.
 RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 10, 1977	52.39						

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

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 ABOVE MSL.
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. 9, 1976	266.90	APR. 5, 1977	260.47	JUNE 14, 1977	270.50	AUG. 31, 1977	271.65
JAN. 17, 1977	270.47	MAY 11	256.70	JULY 21	275.59	SEP. 21	270.30
FEB. 24	268.20						

302657091101201 LOCAL WELL NUMBER: EB-112

OWNER: KEANS 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 ABOVE MSL.
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. 9, 1976	278.13	FEB. 24, 1977	279.73	APR. 5, 1977	270.94	JULY 21, 1977	287.73

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 ABOVE MSL.
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. 11, 1976	100.15	FEB. 25, 1977	98.89	APR. 6, 1977	93.47	JULY 21, 1977	97.39

302617091103602 LOCAL WELL NUMBER: EB-127

OWNER: ICE SERVICE. (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 ABOVE MSL.
HIGHEST WATER LEVEL 15.32 BELOW LSD, APR. 7, 1973,
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. 9, 1976	41.84	FEB. 24, 1977	48.52	APR. 5, 1977	32.43	JULY 21, 1977	47.07

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 PLEISTOCENE 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 ABOVE MSL.
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. 9, 1976	107.65	FEB. 24, 1977	107.80	APR. 5, 1977	103.58	JULY 21, 1977	104.36

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 TOP OF 4 X 1 1/2-IN REDUCER, 0.08 FT ABOVE LSD.

LSD 52.00 FT ABOVE MSL.

HIGHEST WATER LEVEL 33.00 ABOVE LSD, MAR. 25, 1916,

LOWEST WATER LEVEL 116.07 BELOW LSD, JULY 21, 1977.

RECORDS AVAILABLE 1916, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1976	111.96	FEB. 24, 1977	112.30	APR. 5, 1977	112.26	JULY 21, 1977	116.07

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 62.00 FT ABOVE MSL.

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. 5, 1976	141.93	JAN. 13, 1977	104.82H	APR. 10, 1977	133.16	JULY 5, 1977	128.03
OCT. 10	140.18	JAN. 15	104.65	APR. 15	126.01	JULY 10	128.61
OCT. 15	138.04	JAN. 20	107.37	APR. 20	131.15	JULY 15	135.54
OCT. 20	134.30	JAN. 25	108.36	APR. 25	135.55	JULY 20	139.92
OCT. 25	134.58	JAN. 31	115.12	APR. 30	133.67	JULY 21	140.34H
OCT. 31	131.14	FEB. 5	110.98	MAY 5	132.56	JULY 25	132.74
NOV. 5	134.33	FEB. 10	107.13	MAY 10	130.74	JULY 31	123.03
NOV. 9	130.17H	FEB. 15	113.22	MAY 12	131.91H	AUG. 5	122.10
NOV. 10	130.34	FEB. 17	113.23H	MAY 15	132.27	AUG. 10	124.85
NOV. 15	126.47	FEB. 20	118.98	MAY 20	118.93	AUG. 15	121.45
NOV. 20	122.22	FEB. 25	122.55	MAY 25	132.28	AUG. 20	117.49
NOV. 25	117.49	FEB. 28	120.20	MAY 31	139.65	AUG. 25	116.74
NOV. 30	115.96	MAR. 5	119.99	JUNE 5	137.39	AUG. 31	114.01H
DEC. 2	114.43H	MAR. 10	123.04	JUNE 10	143.11	SEP. 5	112.17
DEC. 5	114.54	MAR. 15	127.57	JUNE 14	126.87H	SEP. 10	117.16
DEC. 10	112.52	MAR. 20	124.68	JUNE 15	127.19	SEP. 15	116.89
DEC. 15	114.99	MAR. 25	120.30	JUNE 20	125.10	SEP. 20	124.17
DEC. 20	112.40	MAR. 31	121.01	JUNE 25	121.26	SEP. 25	134.18
DEC. 25	110.29	APR. 5	125.16H	JUNE 30	124.29	SEP. 30	138.69
DEC. 30	108.01						

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 ABOVE MSL.

HIGHEST WATER LEVEL 14.00 ABOVE LSD, MAR. 1, 1943,

LOWEST WATER LEVEL 140.70 BELOW LSD, JUNE 14, 1977.

RECORDS AVAILABLE 1943, 1948, 1967-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1976	130.13	APR. 5, 1977	124.14	JUNE 14, 1977	140.70	AUG. 31, 1977	135.17
JAN. 13, 1977	129.10	MAY 11	125.13	JULY 21	137.51	SEP. 21	124.29
FEB. 24	124.13						

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 ABOVE MSL.

HIGHEST WATER LEVEL 42.16 BELOW LSD, JUNE 20, 1973,

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. 8, 1976	56.27	FEB. 23, 1977	55.18	MAR. 30, 1977	53.86	JULY 20, 1977	55.41

See footnotes at end of table.

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

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 ABOVE MSL.
HIGHEST WATER LEVEL 31.60 ABOVE LSD, NOV. 1, 1932,
LOWEST WATER LEVEL 36.04 BELOW LSD, NOV. 11, 1976.
RECORDS AVAILABLE 1932, 1963-67, 1969-70, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1976	36.04	APR. 6, 1977	35.60				

302238091102701 LOCAL WELL NUMBER: EB-242

OWNER: LOUISIANA STATE UNIVERSITY. (SEC. 74, T. 8S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN THE MISS. RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 173 FT, SCREENED INTERVAL UNKNOWN. MP TOP INSIDE EDGE OF 2-IN ELBOW ATOP 2-IN CASING, 2.80 FT ABOVE LSD.
LSD 24.78 FT ABOVE MSL.
HIGHEST WATER LEVEL 9.50 ABOVE LSD, APR. 16, 1973,
LOWEST WATER LEVEL 21.26 BELOW LSD, DEC. 11, 1956.
RECORDS AVAILABLE 1943, 1945-49, 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1976	17.83	FEB. 24, 1977	18.03	APR. 6, 1977	4.41	JULY 22, 1977	16.34

303026091102201 LOCAL WELL NUMBER: EB-291

OWNER: UNITED GAS PIPE LINE CO. (SEC. 37, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 8 TO 6 IN, DEPTH 1,196 FT, SCREENED 1,135-1,196. MP LOWER EDGE OF 2-IN COLLAR WELDED ON 6-IN FLANGE, 1.80 FT ABOVE LSD.
LSD 62.00 FT ABOVE MSL.
HIGHEST WATER LEVEL 20.00 ABOVE LSD, JULY 20, 1927,
LOWEST WATER LEVEL 176.20 BELOW LSD, OCT. 4, 1974.
RECORDS AVAILABLE 1927, 1940, 1959, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1976	157.84	APR. 5, 1977	159.54	JUNE 14, 1977	157.86	AUG. 31, 1977	155.77
JAN. 13, 1977	153.45	MAY 11	159.05	JULY 21	160.82	SEP. 21	157.05
FEB. 24	157.15						

303026091113001 LOCAL WELL NUMBER: EB-297

OWNER: LOUISIANA DEPT. 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 ABOVE MSL.
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. 16, 1976	300.95	FEB. 24, 1977	311.04	JUNE 14, 1977	314.17	AUG. 31, 1977	314.26
NOV. 18	304.24	APR. 5	299.80	JULY 21	312.42	SEP. 21	312.80
JAN. 13, 1977	308.05	MAY 11	298.78				

302638091090801 LOCAL WELL NUMBER: EB-298

OWNER: DR. GERALD JOSEPH. (SEC. 81, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 1/2 IN, DEPTH 1,387 FT, SCREENED 1,347-1,387. MP TOP INSIDE EDGE OF 1-IN COLLAR, 0.66 FT BELOW LSD.
LSD 48.33 FT ABOVE MSL.
HIGHEST WATER LEVEL 37.70 ABOVE LSD, JULY 11, 1918,
LOWEST WATER LEVEL 116.66 BELOW LSD, OCT. 31, 1974.
RECORDS AVAILABLE 1918, 1958-68, 1970, 1972, 1974, 1976.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
DEC. 9, 1976	115.66						

302549091073101 LOCAL WELL NUMBER: EB-301

OWNER: P. C. WITTER. (IRREG. SEC. 91, T. 7S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE 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 ABOVE MSL.
 HIGHEST WATER LEVEL 35.00 ABOVE LSD, AUG. 19, 1926.
 LOWEST WATER LEVEL 103.70 BELOW LSD, JULY 22, 1977.
 RECORDS AVAILABLE 1926, 1943-44, 1946-49, 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1976	98.92	FEB. 25, 1977	99.29	APR. 7, 1977	98.67	JULY 22, 1977	103.70

303440090592702 LOCAL WELL NUMBER: EB-304

OWNER: LOUISIANA STATE 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 ABOVE MSL.
 HIGHEST WATER LEVEL 81.00 ABOVE LSD, DEC. 19, 1941.
 LOWEST WATER LEVEL 59.05 BELOW LSD, JULY 20, 1977.
 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. 9, 1976	56.55	FEB. 23, 1977	57.25	APR. 8, 1977	56.30	JULY 20, 1977	59.05

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 1971 FT, SCREENED 1,931-1,971. MP TOP EDGE OF 2 1/2-IN CASING, 0.25 FT ABOVE LSD.
 LSD 68.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 67.00 ABOVE LSD, DEC. 6, 1942.
 LOWEST WATER LEVEL 70.97 BELOW LSD, JULY 20, 1977.
 RECORDS AVAILABLE 1942-51, 1959, 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1976	69.80	FEB. 23, 1977	69.30	MAR. 30, 1977	69.07	JULY 20, 1977	70.97

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 ABOVE MSL.
 HIGHEST WATER LEVEL 100.10 BELOW LSD, FEB. 7, 1974.
 LOWEST WATER LEVEL 118.17 BELOW LSD, JULY 22, 1977.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1976	112.74	MAR. 1, 1977	112.05	APR. 8, 1977	112.69	JULY 22, 1977	118.17

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

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 ABOVE MSL.
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. 1, 1976	334.85H	DEC. 31, 1976	340.45	MAR. 31, 1977	332.47	JULY 5, 1977	349.89
OCT. 5	329.65	JAN. 5, 1977	335.20	APR. 5	328.47H	JULY 10	349.18
OCT. 10	333.45	JAN. 10	337.68	APR. 10	330.89	JULY 15	345.00
OCT. 15	332.81	JAN. 13	341.89H	APR. 15	325.50	JULY 20	341.35
OCT. 20	334.10	JAN. 15	339.08	APR. 20	328.40	JULY 21	341.64H
OCT. 25	332.87	JAN. 20	348.20	APR. 25	331.47	JULY 25	345.58
OCT. 31	333.00	JAN. 25	349.30	APR. 30	323.45	JULY 31	342.15
NOV. 5	329.38	JAN. 31	345.53	MAY 5	320.17	AUG. 5	342.63
NOV. 9	330.36H	FEB. 5	347.35	MAY 10	322.85	AUG. 10	341.50
NOV. 10	330.15	FEB. 10	341.00	MAY 12	325.17H	AUG. 15	341.15
NOV. 15	331.05	FEB. 15	342.40	MAY 20	333.75	AUG. 20	349.50
NOV. 20	332.10	FEB. 20	340.68	MAY 25	335.11	AUG. 25	349.88
NOV. 25	330.82	FEB. 24	341.27H	MAY 31	333.11	AUG. 31	345.35H
NOV. 30	334.58	FEB. 25	339.90	JUNE 5	336.72	SEP. 5	342.55
DEC. 2	334.47H	FEB. 28	335.81	JUNE 10	340.75	SEP. 10	342.98
DEC. 5	341.78	MAR. 5	333.49	JUNE 14	345.24H	SEP. 15	341.39
DEC. 10	337.40	MAR. 10	332.98	JUNE 15	344.92	SEP. 20	341.55
DEC. 15	338.80	MAR. 15	337.57	JUNE 20	344.25	SEP. 25	336.50
DEC. 20	337.21	MAR. 20	336.38	JUNE 25	347.05	SEP. 30	336.38
DEC. 25	335.85	MAR. 25	336.38	JUNE 30	350.15		

302619091104003 LOCAL WELL NUMBER: EB-434

OWNER: LOUISIANA DEPT. 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 ABOVE MSL.
HIGHEST WATER LEVEL 73.15 BELOW LSD, APR. 16, 1976,
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. 9, 1976	100.72	FEB. 24, 1977	99.13	MAY 31, 1977	86.50	JULY 21, 1977	96.20
DEC. 8	102.60	APR. 5	93.57				

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 ABOVE MSL.
HIGHEST WATER LEVEL 55.59 BELOW LSD, MAY 6, 1975,
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. 8, 1976	72.44	FEB. 23, 1977	69.63	MAR. 30, 1977	69.55	JULY 20, 1977	71.34

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 OF EDGE OF 3/4-IN HOLE IN SANITARY SEAL, 0.43 FT ABOVE LSD.
LSD 73.00 FT ABOVE MSL.
HIGHEST WATER LEVEL 71.60 ABOVE LSD, FEB. 27, 1948,
LOWEST WATER LEVEL 56.39 BELOW LSD, JULY 20, 1977.
RECORDS AVAILABLE 1948-51, 1953-67, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1976	54.17	FEB. 23, 1977	54.85	MAR. 30, 1977	54.74	JULY 20, 1977	56.39

See footnotes at end of table.

302654091101101 LOCAL WELL NUMBER: EB-500

OWNER: DR. PEPPER-WRIGHT ROOT BEER BOTTLING CO. (SEC. 46, T. 7S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("600-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 6 IN, ESTIMATED DEPTH 710 FT, SCREENED 663-710. MP TOP OF 2-IN STEEL NIPPLE IN PVC EDUCTOR PIPE, 2.53 FT ABOVE LSD. LSD 57.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 90.74 BELOW LSD, MAY 21, 1975.
 LOWEST WATER LEVEL 145.67 BELOW LSD, OCT. 16, 1948.
 RECORDS AVAILABLE 1948, 1962, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 24, 1977	101.12	JUNE 11	103.03				

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 ABOVE MSL.
 HIGHEST WATER LEVEL 64.70 ABOVE LSD, AUG. 21, 1953.
 LOWEST WATER LEVEL 50.31 BELOW LSD, JULY 21, 1977.
 RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1976	49.61	FEB. 17, 1977	49.33	MAR. 30, 1977	49.28	JULY 21, 1977	50.31

303047091112001 LOCAL WELL NUMBER: EB-538

OWNER: STAUFFER CHEMICAL CO. (SEC. 37, T. 6S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND ("400-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 12 TO 10 IN, DEPTH 540 FT, SCREENED 272-298, 308-331, 488-540. MEASUREMENT DISCONTINUED, WELL DESTROYED. LSD 59.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 86.24 BELOW LSD, MAY 13, 1975.
 LOWEST WATER LEVEL 165.89 BELOW LSD, OCT. 16, 1952.
 RECORDS AVAILABLE 1952, 1965-76.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1976	121.93						

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 ABOVE MSL.
 HIGHEST WATER LEVEL 70.00 ABOVE LSD, MAY 1, 1955.
 LOWEST WATER LEVEL 14.30 ABOVE LSD, NOV. 11, 1976.
 RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1976	+14.30	APR. 6, 1977	+14.40				

303904091093102 LOCAL WELL NUMBER: EB-578B

OWNER: TOWN 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 ABOVE MSL.
 HIGHEST WATER LEVEL 9.00 ABOVE LSD, OCT. 17, 1957.
 LOWEST WATER LEVEL 82.03 BELOW LSD, JULY 18, 1977.
 RECORDS AVAILABLE 1957, 1960, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1976	80.55	FEB. 22, 1977	79.82	MAR. 30, 1977	80.02	JULY 18, 1977	82.03

See footnotes at end of table.

GROUND-WATER LEVELS

EAST BATON ROUGE PARISH

303440090592703 LOCAL WELL NUMBER: EB-581

OWNER: LOUISIANA STATE 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 2590 FT, SCREENED 2540-2590. MP TOP OF 1-IN PIPE ON SIDE OF 8-IN CASING, 1.90 FT ABOVE LSD.
 LSD 67.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 54.40 ABOVE LSD, MAY 25, 1956,
 LOWEST WATER LEVEL 29.55 BELOW LSD, APR. 8, 1977.
 RECORDS AVAILABLE 1956-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1976	26.74	FEB. 23, 1977	29.13	APR. 8, 1977	29.55	JULY 20, 1977	28.85

304141090585301 LOCAL WELL NUMBER: EB-647

OWNER: EAST BATON ROUGE PARISH. (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 ABOVE MSL.
 HIGHEST WATER LEVEL 15.20 ABOVE LSD, JAN. 7, 1958,
 LOWEST WATER LEVEL 71.13 BELOW LSD, NOV. 8, 1976.
 RECORDS AVAILABLE 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1976	71.13	MAR. 30, 1977	69.77				

303154091083901 LOCAL WELL NUMBER: EB-652

OWNER: GREATER BATON ROUGE AIRPORT. (SEC. 90, T. 6S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,500-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE 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 ABOVE MSL.
 HIGHEST WATER LEVEL 45.42 BELOW LSD, APR. 29, 1958,
 LOWEST WATER LEVEL 127.35 BELOW LSD, JULY 8, 1976.
 RECORDS AVAILABLE 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1976	126.72	FEB. 23, 1977	122.79	MAR. 30, 1977	127.24	JULY 20, 1977	125.57

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 ("1,700-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE 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 ABOVE MSL.
 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. 8, 1976	171.39	FEB. 23, 1977	175.18	MAR. 30, 1977	172.35	JULY 20, 1977	176.97

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 CENTERLINE OF DISCHARGE PIPE, 3.14 FT ABOVE LSD.
 LSD 28.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 40.10 ABOVE LSD, MAR. 16, 1965,
 LOWEST WATER LEVEL 4.31 ABOVE LSD, JULY 22, 1977.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1976	+5.17	APR. 7, 1977	+5.97	MAY 24, 1977	+5.01	JULY 22, 1977	+4.31
FEB. 24, 1977	+5.65						

See footnotes at end of table.

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 ABOVE MSL.
 HIGHEST WATER LEVEL 2.26 ABOVE LSD, JAN. 12, 1966,
 LOWEST WATER LEVEL 27.12 BELOW LSD, JULY 22, 1977.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1976	25.13	FEB. 24, 1977	26.06	APR. 7, 1977	25.14	JULY 22, 1977	27.12
DEC. 9	24.96						

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 ABOVE MSL.
 HIGHEST WATER LEVEL 8.58 ABOVE LSD, APR. 23, 1965,
 LOWEST WATER LEVEL 20.89 BELOW LSD, JULY 22, 1977.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1976	19.39	FEB. 24, 1977	19.77	MAY 27, 1977	19.49	JULY 22, 1977	20.89
DEC. 9	18.59	APR. 7	19.07				

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 PLIOCENE AGE, DIAM 4 TO 2 1/2 IN, DEPTH 2,286 FT, SCREENED 2,282-2,286. MP TOP EDGE OF 4-IN NIPPLE, 2.0 FT ABOVE LSD.
 LSD 28.00 FT ABOVE MSL.
 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. 11, 1976	224.13	FEB. 24, 1977	225.85	APR. 7, 1977	218.80	JULY 22, 1977	231.36

302535091090402 LOCAL WELL NUMBER: EB-782A

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, 2.0 FT ABOVE LSD.
 LSD 28.00 FT ABOVE MSL.
 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. 11, 1976	24.53	FEB. 24, 1977	25.53	MAY 26, 1977	24.82	JULY 22, 1977	25.39
DEC. 17	24.79	APR. 7	24.70				

302535091090403 LOCAL WELL NUMBER: EB-782B

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, 2.0 FT ABOVE LSD.
 LSD 28.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 49.35 BELOW LSD, JAN. 20, 1966,
 LOWEST WATER LEVEL 112.20 BELOW LSD, JULY 22, 1977.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1976	106.76	FEB. 24, 1977	109.00	MAY 26, 1977	112.00	JULY 22, 1977	112.20
DEC. 17	104.20	APR. 7	107.19				

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

302502091113601 LOCAL WELL NUMBER: EB-783A

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 BOTTOM EDGE OF OPENING IN 1 1/4-IN BUSHING IN SIDE ARM OF 4-IN TEE, 1.41 FT ABOVE LSD.
LSD 26.00 FT ABOVE MSL.
HIGHEST WATER LEVEL 16.20 ABOVE LSD, MAR. 1, 1966.
LOWEST WATER LEVEL 46.34 BELOW LSD, FEB. 24, 1977.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1976	38.93	FEB. 24, 1977	46.34	MAY 31, 1977	38.86	JULY 22, 1977	40.18
DEC. 14	39.44	APR. 6	38.39				

302502091113602 LOCAL WELL NUMBER: EB-783B

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 MIOCENE 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 ABOVE MSL.
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. 9, 1976	24.89	FEB. 24, 1977	7.12	MAY 31, 1977	37.19	JULY 22, 1977	40.45
DEC. 14	26.74	APR. 6	20.94				

302511091070401 LOCAL WELL NUMBER: EB-789A

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 ABOVE MSL.
HIGHEST WATER LEVEL 10.89 BELOW LSD, MAY 6, 1975.
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. 11, 1976	31.49	FEB. 25, 1977	31.93	MAY 26, 1977	24.95	JULY 22, 1977	30.15
DEC. 10	32.24	APR. 7	21.83				

302511091070402 LOCAL WELL NUMBER: EB-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 ABOVE MSL.
HIGHEST WATER LEVEL 6.15 BELOW LSD, MAR. 4, 1966.
LOWEST WATER LEVEL 33.35 BELOW LSD, MAY 26, 1977.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1976	32.61	DEC. 10, 1976	32.42	APR. 7, 1977	32.59	MAY 26, 1977	33.35

302605091080602 LOCAL WELL NUMBER: EB-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 ABOVE MSL.
HIGHEST WATER LEVEL 121.92 BELOW LSD, MAR. 28, 1966.
LOWEST WATER LEVEL 239.60 BELOW LSD, JULY 27, 1973.
RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1976	224.43	FEB. 25, 1977	226.84	APR. 7, 1977	220.31	JULY 22, 1977	231.59
DEC. 9	222.91						

302719091103201 LOCAL WELL NUMBER: EB-793

OWNER: U. S. GEOL. SURVEY. (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 PIPE, 0.85 FT ABOVE TOP OF 4-IN CASING AND 2.00 FT ABOVE LSD.
 LSD 35.30 FT ABOVE MSL.
 HIGHEST WATER LEVEL 69.33 BELOW LSD, MAY 20, 1975,
 LOWEST WATER LEVEL 121.55 BELOW LSD, OCT. 21, 1968.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1976	93.47	FEB. 24, 1977	93.16	MAY 24, 1977	79.52	AUG. 31, 1977	90.14
DEC. 7	96.37	APR. 5	86.54	JUNE 14	84.10	SEP. 14	91.65
JAN. 17, 1977	94.04	MAY 13	81.08	JULY 21	88.87	SEP. 21	93.00

302559091110801 LOCAL WELL NUMBER: EB-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 2709 FT, SCREENED 2,705-2,709. MP TOP EDGE OF 3/4-IN PVC AIRLINE, 3.0 FT ABOVE LSD.
 LSD 51.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 113.28 BELOW LSD, JULY 27, 1965,
 LOWEST WATER LEVEL 198.00 BELOW LSD, JULY 19, 1974.
 RECORDS AVAILABLE 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1976	188.80	FEB. 24, 1977	186.82	MAY 25, 1977	183.05	JULY 21, 1977	189.23
DEC. 14	192.90	APR. 5	182.90				

302306091022601 LOCAL WELL NUMBER: EB-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 MIOCENE AGE, DIAM 4 IN, DEPTH 1,975 FT, SCREENED 1,971-1,975. MP TOP EDGE OF 3/8-IN OPENING IN BUSHING IN SANITARY SEAL, 2.11 FT ABOVE LSD.
 LSD 27.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 15.30 ABOVE LSD, MAY 18, 1966,
 LOWEST WATER LEVEL 11.36 BELOW LSD, JUNE 1, 1977.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1976	4.28	DEC. 15, 1976	.64	APR. 7, 1977	11.15	JUNE 1, 1977	11.36

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 ABOVE MSL.
 HIGHEST WATER LEVEL 53.10 ABOVE LSD, APR. 4, 1966,
 LOWEST WATER LEVEL 24.80 ABOVE LSD, NOV. 11, 1976.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1976	+24.80	APR. 7, 1977	+25.60				

302428091035001 LOCAL WELL NUMBER: EB-804A

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 70, T. 7S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1,500-1,700-FT" SAND OF BATON ROUGE AREA) OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 1,950 FT, SCREENED 1,946-1,950. MP TOP OF 3/8-IN HOLE IN CAP, 2.80 FT ABOVE LSD.
 LSD 46.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 44.34 BELOW LSD, JUNE 9, 1967,
 LOWEST WATER LEVEL 90.90 BELOW LSD, NOV. 11, 1976.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1976	90.90	DEC. 10	90.53	APR. 6, 1977	89.63		

See footnotes at end of table.

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

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 ABOVE MSL.
HIGHEST WATER LEVEL 32.45 BELOW LSD, MAY 6, 1966, MAY 18, 1966,
LOWEST WATER LEVEL 88.20 BELOW LSD, OCT. 30, 1973.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1976	87.69	DEC. 10	88.13	APR. 6, 1977	85.77		

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 1/2-IN HOLE IN CAP, 1.25 FT ABOVE LSD.
LSD 46.00 FT ABOVE MSL.
HIGHEST WATER LEVEL 40.04 BELOW LSD, JUNE 9, 1967,
LOWEST WATER LEVEL 55.19 BELOW LSD, DEC. 10, 1976.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1976	54.81	DEC. 10, 1976	55.19	APR. 6, 1977	55.01	MAY 31, 1977	55.10

302702091103902 LOCAL WELL NUMBER: EB-806B

OWNER: U. S. GEOL. SURVEY. (CORNER OF LAUREL AND 12TH, 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 OF 4-IN CASING, 1.40 FT ABOVE LSD.
LSD 46.50 FT ABOVE MSL.
HIGHEST WATER LEVEL 119.03 BELOW LSD, MAY 19, 1966,
LOWEST WATER LEVEL 195.35 BELOW LSD, NOV. 1, 1973.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1976	188.20	FEB. 24, 1977	185.31	APR. 5, 1977	181.72	JULY 21, 1977	187.76
DEC. 8	191.05						

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 32.00 FT ABOVE MSL.
HIGHEST WATER LEVEL 63.76 BELOW LSD, APR. 24, 1969,
LOWEST WATER LEVEL 121.20 BELOW LSD, JULY 22, 1977.
RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1976	115.50	FEB. 24, 1977	118.10	APR. 7, 1977	116.41	JULY 22, 1977	121.20
DEC. 15	114.85						

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 32.00 FT ABOVE MSL.
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. 11, 1976	228.78	FEB. 24, 1977	232.00	MAY 27, 1977	227.25	JULY 22, 1977	236.66
DEC. 15	226.10	APR. 7	224.66				

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 ABOVE MSL.
 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, 1976	21.15	FEB. 24, 1977	21.40	APR. 6, 1977	9.22	JULY 22, 1977	18.98

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 ABOVE MSL.
 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, 1976	18.09	FEB. 24, 1977	18.41	APR. 6, 1977	4.98	JULY 22, 1977	13.07

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 ABOVE MSL.
 HIGHEST WATER LEVEL 13.40 ABOVE LSD, MAY 16, 1973,
 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. 9, 1976	15.03	FEB. 24, 1977	15.99	APR. 6, 1977	.65	JULY 21, 1977	14.42

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 ABOVE MSL.
 HIGHEST WATER LEVEL 10.60 ABOVE LSD, MAY 16, 1973,
 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. 9, 1976	16.68	FEB. 24, 1977	17.82	APR. 6, 1977	7.33	JULY 21, 1977	15.62
DEC. 15	18.05						

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 ABOVE MSL.
 HIGHEST WATER LEVEL 50.49 BELOW LSD, MAY 6, 1975,
 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. 11, 1976	71.76	FEB. 24, 1977	70.23	APR. 7, 1977	65.20	JULY 22, 1977	69.89

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

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 ABOVE MSL.
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. 11, 1976	50.38	FEB. 24, 1977	47.10	APR. 7, 1977	45.84	JULY 22, 1977	51.14

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 ABOVE MSL.
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. 9, 1976	81.72	FEB. 23, 1977	74.90	APR. 5, 1977	77.29	JULY 22, 1977	81.73

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 ABOVE MSL.
HIGHEST WATER LEVEL 42.15 BELOW LSD, MAY 23, 1973,
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. 8, 1976	60.67	FEB. 23, 1977	60.80	MAR. 30, 1977	55.54	JULY 20, 1977	59.39

303912091150801 LOCAL WELL NUMBER: EB-849

OWNER: GEORGIA PACIFIC CORP. (SEC. 31, T. 4S., R. 1W.) DRILLED UNUSED ARTESIAN WELL IN SAND OF MIO-PLIOCENE 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 ABOVE MSL.
HIGHEST WATER LEVEL 47.79 BELOW LSD, FEB. 22, 1966,
LOWEST WATER LEVEL 128.27 BELOW LSD, SEP. 27, 1974.
RECORDS AVAILABLE 1966, 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1976	118.46	FEB. 22, 1977	117.06	MAR. 30, 1977	122.73	JULY 18, 1977	127.30

302919091020601 LOCAL WELL NUMBER: EB-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, 0.65 FT ABOVE LSD.
LSD 49.00 FT ABOVE MSL.
HIGHEST WATER LEVEL 28.85 BELOW LSD, NOV. 4, 1975,
LOWEST WATER LEVEL 38.60 BELOW LSD, OCT. 21, 1970.
RECORDS AVAILABLE 1970, 1973-76.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1976	35.44						

302729091100601 LOCAL WELL NUMBER: EB-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 ABOVE MSL.
 HIGHEST WATER LEVEL 90.23 BELOW LSD, MAY 20, 1975,
 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. 9, 1976	116.51	FEB. 24, 1977	115.90	MAY 27, 1977	99.88	AUG. 31, 1977	112.30
DEC. 7	119.90	APR. 5	108.35	JUNE 14	106.57	SEP. 21	116.06
JAN. 17, 1977	116.50	MAY 11	102.00	JULY 21	111.19		

303905090583301 LOCAL WELL NUMBER: EB-896

OWNER: U. S. GEOL. SURVEY (SEC. 51, T. 4S., R. 2E.) AUGERED 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 FT. MP TOP OF 1 1/4-IN CASING, 3.92 FT ABOVE LSD.
 LSD 82.00 FT ABOVE MSL.
 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. 8, 1976	17.69	FEB. 23, 1977	16.81	MAR. 30, 1977	16.64	JULY 19, 1977	17.31

302614091083001 LOCAL WELL NUMBER: EB-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 50.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 117.15 BELOW LSD, DEC. 12, 1973,
 LOWEST WATER LEVEL 132.75 BELOW LSD, JULY 22, 1977.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1976	126.87	FEB. 25, 1977	128.81	MAY 26, 1977	131.77	JULY 22, 1977	132.75
DEC. 9	126.90	APR. 7	127.68				

302547091074401 LOCAL WELL NUMBER: EB-918

OWNER: U. S. GEOL. SURVEY. (SEC. 91, 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 1,834 FT, SCREENED 1,829-1,834. MP TOP EDGE OF 4-IN COLLAR, AT LSD.
 LSD 40.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 103.15 BELOW LSD, DEC. 12, 1973,
 LOWEST WATER LEVEL 126.42 BELOW LSD, JULY 22, 1977.
 RECORDS AVAILABLE 1973-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1976	116.59	FEB. 25, 1977	117.90	MAY 27, 1977	121.41	JULY 22, 1977	126.42
DEC. 10	116.92	APR. 7	116.88				

302955091060601 LOCAL WELL NUMBER: EB-933

OWNER: U. S. GEOL. SURVEY. (SEC. 50, T. 6S., R. 1E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("600-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 ABOVE MSL.
 HIGHEST WATER LEVEL 52.45 BELOW LSD, MAY 22, 1975,
 LOWEST WATER LEVEL 66.01 BELOW LSD, OCT. 25, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1976	63.35	FEB. 25, 1977	63.01	APR. 8, 1977	62.07	JULY 21, 1977	63.55

GROUND-WATER LEVELS
EAST BATON ROUGE PARISH

302955091060501 LOCAL WELL NUMBER: EB-934

OWNER: U. S. GEOL. SURVEY. (SEC. 50, T. 6S., 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 ABOVE MSL.
HIGHEST WATER LEVEL 40.08 BELOW LSD, MAY 22, 1975,
LOWEST WATER LEVEL 52.65 BELOW LSD, JULY 21, 1977.
RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1976	50.97	FEB. 24, 1977	49.04	APR. 8, 1977	49.82	JULY 21, 1977	52.65

302932091101901 LOCAL WELL NUMBER: EB-944

OWNER: U. S. GEOL. SURVEY. (SEC. 43, T. 6S., 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 PIPE, 1.63 FT ABOVE LSD.
LSD 59.00 FT ABOVE MSL.
HIGHEST WATER LEVEL 33.53 BELOW LSD, FEB. 4, 1975,
LOWEST WATER LEVEL 43.51 BELOW LSD, JUNE 9, 1977.
RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1976	41.15	JAN. 7, 1977	41.39	APR. 5, 1977	41.17	JULY 14, 1977	39.95
OCT. 14	41.43	JAN. 13	40.81	APR. 14	40.23	JULY 21	40.02
OCT. 21	41.51	JAN. 14	40.90	APR. 21	40.94	JULY 28	41.54
OCT. 28	41.55	JAN. 21	41.81	MAY 5	42.52	AUG. 4	41.72
NOV. 4	41.76	JAN. 27	41.64	MAY 12	42.86	AUG. 11	41.93
NOV. 9	41.94	FEB. 3	41.59	MAY 19	43.20	AUG. 19	41.89
NOV. 11	41.73	FEB. 10	42.27	JUNE 1	43.32	AUG. 26	41.82
NOV. 18	42.01	FEB. 17	42.06	JUNE 9	43.51	AUG. 31	41.85
NOV. 24	42.02	MAR. 1	41.79	JUNE 14	40.64	SEP. 6	41.47
DEC. 2	41.75	MAR. 10	40.67	JUNE 16	40.41	SEP. 13	41.57
DEC. 9	41.61	MAR. 16	40.39	JUNE 23	40.07	SEP. 21	41.87
DEC. 17	40.85	MAR. 24	40.62	JUNE 30	39.96	SEP. 23	41.77
DEC. 23	41.61	MAR. 31	40.97	JULY 7	39.87	SEP. 30	41.60

302932091101902 LOCAL WELL NUMBER: EB-945

OWNER: U. S. GEOL. SURVEY. (SEC. 43, T. 6S., 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 PIPE, 2.27 FT ABOVE LSD.
LSD 59.00 FT ABOVE MSL.
HIGHEST WATER LEVEL 107.08 BELOW LSD, MAR. 19, 1976,
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. 7, 1976	154.62	JAN. 7, 1977	147.31	APR. 5, 1977	131.70	JULY 14, 1977	140.81
OCT. 14	150.61	JAN. 13	147.13	APR. 14	132.34	JULY 21	140.15
OCT. 21	146.64	JAN. 14	147.21	APR. 21	130.88	AUG. 4	144.79
OCT. 28	147.92	JAN. 21	144.49	MAY 5	128.01	AUG. 11	145.90
NOV. 4	143.80	JAN. 27	141.62	MAY 12	129.08	AUG. 19	142.04
NOV. 9	144.43	FEB. 3	145.56	MAY 19	122.56	AUG. 26	139.18
NOV. 11	144.92	FEB. 10	145.16	JUNE 1	125.71	AUG. 31	141.47
NOV. 18	149.59	FEB. 17	146.79	JUNE 9	134.82	SEP. 6	142.92
NOV. 24	155.25	MAR. 1	148.09	JUNE 14	140.23	SEP. 13	145.52
DEC. 2	155.52	MAR. 10	147.82	JUNE 16	140.96	SEP. 21	149.43
DEC. 9	154.12	MAR. 16	148.52	JUNE 23	140.91	SEP. 23	150.69
DEC. 17	148.71	MAR. 24	139.74	JUNE 30	140.13	SEP. 30	152.18
DEC. 23	150.58	MAR. 31	136.19	JULY 7	141.88		

EAST BATON ROUGE PARISH

302932091101903 LOCAL WELL NUMBER: EB-946

OWNER: U. S. GEOL. SURVEY. (SEC. 43, T. 6S., 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 PIPE, 2.02 FT ABOVE LSD
 LSD 59.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 160.09 BELOW LSD, SEP. 25, 1975,
 LOWEST WATER LEVEL 188.63 BELOW LSD, JULY 28, 1977.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 7, 1976	166.51	JAN. 7, 1977	175.24	APR. 5, 1977	183.08	JULY 14, 1977	178.27
OCT. 14	168.02	JAN. 13	173.56	APR. 14	178.57	JULY 21	184.18
OCT. 21	166.67	JAN. 14	172.89	APR. 21	175.99	JULY 28	188.63
OCT. 28	173.71	JAN. 21	168.88	MAY 5	176.72	AUG. 4	181.99
NOV. 4	180.29	JAN. 27	172.52	MAY 12	180.76	AUG. 11	182.95
NOV. 9	180.10	FEB. 3	178.07	MAY 19	177.22	AUG. 19	181.65
NOV. 11	177.00	FEB. 10	182.03	JUNE 1	176.70	AUG. 26	171.16
NOV. 18	176.48	FEB. 17	179.30	JUNE 9	177.78	AUG. 31	178.31
NOV. 24	174.34	MAR. 1	177.24	JUNE 14	179.18	SEP. 6	172.21
DEC. 2	174.87	MAR. 10	178.58	JUNE 16	178.91	SEP. 13	182.75
DEC. 9	171.80	MAR. 16	183.37	JUNE 23	172.51	SEP. 21	181.13
DEC. 17	174.42	MAR. 24	179.59	JUNE 30	176.40	SEP. 23	181.77
DEC. 23	172.79	MAR. 31	181.78	JULY 7	173.58	SEP. 30	186.02

EAST FELICIANA PARISH

304303091084101 LOCAL WELL NUMBER: EF-2

OWNER: TOWN OF SLAUGHTER. (SEC. 61, T. 4S., R. 1E.) DRILLED UNUSED ARTESIAN WELL IN ZONE 3 AQUIFER OF MIOCENE AGE, DIAM 4 IN, REPORTED DEPTH 2035 FT, SCREENED 1995-2035. MP TOP EDGE OF 2-IN OPENING IN 2-IN X 3-IN REDUCER ATOP CASING, 0.70 FT ABOVE LSD. MEASUREMENTS DISCONTINUED.
 LSD 135.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 18.34 BELOW LSD, JAN. 7, 1958,
 LOWEST WATER LEVEL 102.01 BELOW LSD, NOV. 8, 1976.
 RECORDS AVAILABLE 1955, 1957-66, 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1976	102.01	FEB. 23, 1977	99.16				

304949091115001 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 MIO-PLIOCENE AGE, DIAM 6 IN, REPORTED DEPTH 1350 FT, SCREENED INTERVAL 1290-1350. MP TOP EDGE OF 1-IN NIPPLE, 0.2 FT ABOVE LSD (SINCE 3/24/75).
 LSD 225.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 122.23 BELOW LSD, MAY 7, 1957,
 LOWEST WATER LEVEL 189.02 BELOW LSD, JULY 18, 1977.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1976	187.17	FEB. 22, 1977	186.93	MAR. 28, 1977	187.90	JULY 18, 1977	189.02

305144091010901 LOCAL WELL NUMBER: EF-61

OWNER: TOWN OF CLINTON. (SEC. 83, T. 2S., 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 1/2-IN UNION, 1.55 FT ABOVE LSD.
 LSD 210.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 63.76 BELOW LSD, MAY 16, 1961,
 LOWEST WATER LEVEL 80.16 BELOW LSD, OCT. 3, 1973.
 RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1976	79.88	MAR. 30, 1977	79.90				

GROUND-WATER LEVELS

EAST FELICIANA PARISH

305152091010201 LOCAL WELL NUMBER: EF-73

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 BREATHER HOLE IN PLATE ATOP 12-IN CASING, 1.62 FT ABOVE LSD.
 LSD 195.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 93.01 BELOW LSD, MAR. 5, 1959,
 LOWEST WATER LEVEL 122.40 BELOW LSD, MAR. 30, 1977.
 RECORDS AVAILABLE 1959-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1976	114.33	MAR. 30, 1977	122.40				

304959091093001 LOCAL WELL NUMBER: EF-185

OWNER: E. LOUISIANA STATE HOSPITAL. (SEC. 45, T. 25., R. 1E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 2 AQUIFER OF MIO-PLIOCENE AGE, DIAM UNKNOWN, REPORTED DEPTH 1514 FT, SCREENED INTERVAL UNKNOWN. MP LOWER EDGE 1-IN ACCESS PIPE, 1.48 FT ABOVE LSD.
 LSD 228.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 118.54 BELOW LSD, MAY 16, 1961,
 LOWEST WATER LEVEL 177.81 BELOW LSD, SEP. 1, 1970.
 RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1976	173.82	MAR. 28, 1977	172.02	JULY 18, 1977	163.66		

304309091083201 LOCAL WELL NUMBER: EF-223

OWNER: TOWN OF SLAUGHTER. (SEC. 7, T. 4S., R. 1E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2400-FT" SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 10 IN, DEPTH 2,000 FT, SCREENED 1,935-2,000. MP TOP OF SANITARY SEAL, 1.00 FT ABOVE LSD.
 LSD 135.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 103.65 BELOW LSD, JULY 19, 1977,
 LOWEST WATER LEVEL 114.63 BELOW LSD, MAR. 30, 1977.
 RECORDS AVAILABLE CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 30, 1977	114.63	JULY 19	103.65				

305052091060001 LOCAL WELL NUMBER: EF-241

OWNER: P. CRAIN. (SEC. 27, T. 25., R. 1E.) AUGERED 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, 0.6 FT ABOVE LSD.
 LSD 250.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 71.31 BELOW LSD, JULY 6, 1976,
 LOWEST WATER LEVEL 73.24 BELOW LSD, JAN. 31, 1974.
 RECORDS AVAILABLE 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1976	72.45	FEB. 23, 1977	72.08	MAR. 28, 1977	71.64	JULY 18, 1977	71.62

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 ("1200-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 ABOVE MSL.
 HIGHEST WATER LEVEL 30.00 ABOVE LSD, DEC. 27, 1951,
 LOWEST WATER LEVEL 27.45 BELOW LSD, NOV. 17, 1976.
 RECORDS AVAILABLE 1951, 1971, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1976	27.45	APR. 29, 1977	27.00				

IBERVILLE PARISH

302919091311102 LOCAL WELL NUMBER: IB-29

OWNER: TOWN OF MARINGOUIN. (SEC. 29, T. 7S., R. 9E.) DRILLED UNUSED PUBLIC-SUPPLY WELL IN SAND ("2000-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 ABOVE MSL.
 HIGHEST WATER LEVEL 58.90 ABOVE LSD, DEC. 15, 1951.
 LOWEST WATER LEVEL 17.90 BELOW LSD, APR. 29, 1977.
 RECORDS AVAILABLE 1951, 1960, 1970, 1971, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1976	17.85	APR. 29, 1977	17.90				

302520091261501 LOCAL WELL NUMBER: IB-398

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, 3.50 FT ABOVE LSD.
 LSD 20.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 64.70 ABOVE LSD, NOV. 4, 1955.
 LOWEST WATER LEVEL 11.50 ABOVE LSD, MAY 2, 1977.
 RECORDS AVAILABLE 1955, 1960, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 2, 1977	+11.50						

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 ABOVE MSL.
 HIGHEST WATER LEVEL 19.52 BELOW LSD, MAR. 29, 1943.
 LOWEST WATER LEVEL 85.59 BELOW LSD, SEP. 18, 1973.
 RECORDS AVAILABLE 1938-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 20, 1976	68.12	FEB. 23, 1977	63.23	APR. 28, 1977	68.22	JULY 20, 1977	78.19
NOV. 24	66.05	MAR. 8	65.45	MAY 24	73.95	AUG. 29	71.03
DEC. 17	64.34	MAR. 28	66.67	JUNE 21	79.77	SEP. 21	68.95
JAN. 24, 1977	63.48						

302611092411201 LOCAL WELL NUMBER: JD-31

OWNER: B.J. HINE ESTATE. (SEC. 21, T. 7S., R. 3W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, DEPTH AND SCREENED INTERVAL UNKNOWN. MP LOWER LIP OF DISCHARGE PIPE, 3.96 FT ABOVE LSD.
 LSD 50.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 80.06 BELOW LSD, MAR. 21, 1967.
 LOWEST WATER LEVEL 92.37 BELOW LSD, FEB. 19, 1971.
 RECORDS AVAILABLE 1966-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	86.94						

300518092492601 LOCAL WELL NUMBER: JD-33

OWNER: JOE PETITJEAN. (SEC. 18, T. 11S., R. 4W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 24 TO 12 IN, DEPTH 350 FT, SCREENED INTERVAL UNKNOWN. MP BOTTOM EDGE OF DISCHARGE PIPE, 4.75 FT ABOVE LSD.
 LSD 7.18 FT ABOVE MSL.
 HIGHEST WATER LEVEL 5.61 BELOW LSD, APR. 8, 1941.
 LOWEST WATER LEVEL 41.15 BELOW LSD, APR. 25, 1956.
 RECORDS AVAILABLE 1939-41, 1947-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	35.85						

See footnotes at end of table.

GROUND-WATER LEVELS

JEFFERSON DAVIS PARISH

300236092543501 LOCAL WELL NUMBER: JD-222

OWNER: LACASSINE CO. (SEC. 32, T. 11S., R. 5W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 12 IN, DEPTH 300 FT, SCREENED INTERVAL UNKNOWN. MP EDGE OF CASING, AT LAND SURFACE.

LSD 4.61 FT ABOVE MSL.

HIGHEST WATER LEVEL 6.15 BELOW LSD, MAY 8, 1946,

LOWEST WATER LEVEL 36.63 BELOW LSD, AUG. 25, 1965.

RECORDS AVAILABLE 1945-67, 1972, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	32.10						

302054092461901 LOCAL WELL NUMBER: JD-317

OWNER: H. AND M. AGUILLARD. (SEC. 22, T. 8S., R. 4W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 20 TO 10 IN, DEPTH 289 FT, SCREENED 209-289. MP LOWER LIP OF DISCHARGE PIPE, 5.20 FT ABOVE LSD.

LSD 42.27 FT ABOVE MSL.

HIGHEST WATER LEVEL 48.99 BELOW LSD, MAR. 20, 1950,

LOWEST WATER LEVEL 84.67 BELOW LSD, FEB. 18, 1971.

RECORDS AVAILABLE 1948-69, 1971-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	83.20						

301300092584501 LOCAL WELL NUMBER: JD-485

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 250 FT, SCREENED 240-250. MP TOP OF 4-IN CASING COLLAR, 3.0 FT ABOVE LSD.

LSD 21.36 FT ABOVE MSL.

HIGHEST WATER LEVEL 42.73 BELOW LSD, APR. 6, 1963,

LOWEST WATER LEVEL 98.68 BELOW LSD, JULY 4, 1972.

RECORDS AVAILABLE 1962-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 1, 1976	65.07H	DEC. 18, 1976	58.75H	MAR. 8, 1977	55.50H	JUNE 17, 1977	83.13H
OCT. 5	64.22	DEC. 20	58.55	MAR. 10	55.53	JUNE 21	76.92H
OCT. 10	63.78	DEC. 22	58.50H	MAR. 15	55.47	JULY 6	88.02H
OCT. 15	63.43	DEC. 25	58.26	MAR. 20	55.38	JULY 22	76.77H
OCT. 19	62.96H	DEC. 31	57.91	MAR. 24	55.62H	JULY 25	75.01
OCT. 20	62.90	JAN. 5, 1977	57.68	MAR. 25	55.81	JULY 31	73.66
OCT. 25	62.47	JAN. 10	57.40	MAR. 31	56.07	AUG. 5	72.52
OCT. 31	62.32	JAN. 15	57.14	APR. 5	55.75	AUG. 10	71.24
NOV. 1	62.18	JAN. 20	57.02	APR. 10	60.00	AUG. 15	69.62
NOV. 5	62.28	JAN. 24	59.99H	APR. 15	64.25	AUG. 20	68.00
NOV. 10	62.45	JAN. 25	61.09	APR. 20	64.64	AUG. 25	66.86
NOV. 15	61.42	JAN. 31	56.48	APR. 25	60.87	AUG. 31	65.73
NOV. 17	66.86H	FEB. 5	56.20	APR. 25	60.93H	SEP. 5	65.20
NOV. 20	61.96	FEB. 10	56.01	APR. 30	73.57	SEP. 10	64.60
NOV. 24	61.12H	FEB. 15	55.78	MAY 5	66.83	SEP. 15	63.78
NOV. 25	60.85	FEB. 20	55.60	MAY 10	71.28	SEP. 20	63.19
NOV. 30	60.28	FEB. 23	55.41H	MAY 15	75.61	SEP. 21	63.59H
DEC. 5	59.85	FEB. 25	55.40	MAY 20	83.22	SEP. 25	62.84
DEC. 10	59.40	FEB. 28	55.49	MAY 24	83.02H	SEP. 30	62.30
DEC. 15	58.97	MAR. 5	55.64				

302509092532101 LOCAL WELL NUMBER: JD-493

OWNER: PRESTON ASHFORD. (SEC. 28, T. 7S., R. 5W.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 16 TO 8 IN, DEPTH 220 FT, SCREENED 160-220. MP LOWER LIP OF DISCHARGE PIPE, 6.10 FT ABOVE LSD.

LSD 37.95 FT ABOVE MSL.

HIGHEST WATER LEVEL 48.62 BELOW LSD, APR. 8, 1965,

LOWEST WATER LEVEL 58.20 BELOW LSD, MAR. 8, 1977.

RECORDS AVAILABLE 1965-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 8, 1977	58.20						

See footnotes at end of table.

301245092020001 LOCAL WELL NUMBER: LF-6

OWNER: UNIV. OF SOUTHWEST LA., LAFAYETTE. (IRREG. SEC. 68, T. 9S., R. 4E.) DRILLED IRRIGATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 8 TO 6 IN, REPORTED DEPTH 180 FT, SCREENED 130-180. MP PLUG HOLE ON SOUTHWEST SIDE OF PUMPBASE, AT LSD.
 LSD 35.37 FT ABOVE MSL.
 HIGHEST WATER LEVEL 22.73 BELOW LSD, JAN. 5, 1948,
 LOWEST WATER LEVEL 43.80 BELOW LSD, FEB. 26, 1975.
 RECORDS AVAILABLE 1946-69, 1971-72, 1975, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	34.85						

300600092041501 LOCAL WELL NUMBER: LF-437

OWNER: MRS.E.B.RICHARD AND MRS.E.S.VINCENT. (IRREG.SEC. 40, T. 11S., R. 4E.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 150 FT, SCREENED 130-150. MP TOP OF 4-IN CASING, 1.45 FT ABOVE LSD.
 LSD 18.34 FT ABOVE MSL.
 HIGHEST WATER LEVEL 12.06 BELOW LSD, MAY 14, 1947,
 LOWEST WATER LEVEL 28.01 BELOW LSD, JUNE 24, 1975, MAR. 7, 1977.
 RECORDS AVAILABLE 1946-72, 1974-75, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 26, 1975	27.75	APR. 23, 1975	27.68	JUNE 24, 1975	28.01	MAR. 7, 1977	28.01
MAR. 21	27.64	MAY 21	27.84				

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 ABOVE MSL.
 HIGHEST WATER LEVEL 34.13 BELOW LSD, MAR. 23, 1959,
 LOWEST WATER LEVEL 44.92 BELOW LSD, JULY 20, 1971, NOV. 23, 1976.
 RECORDS AVAILABLE 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 1, 1976	44.76	MAR. 23, 1977	43.16	MAY 25, 1977	42.80	AUG. 29, 1977	44.57
NOV. 23	44.92	APR. 25	42.66	JULY 25	44.23	SEP. 21	44.09
MAR. 7, 1977	43.25						

300917091581601 LOCAL WELL NUMBER: LF-556

OWNER: G. G. GONDRON. (IRREG. SEC. 21, T. 10S., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, REPORTED DEPTH 104 FT, SCREENED 94-104. MP TOP OF 2-IN CASING, 1.40 FT ABOVE LSD.
 LSD 34.55 FT ABOVE MSL.
 HIGHEST WATER LEVEL 27.70 BELOW LSD, MAR. 23, 1966,
 LOWEST WATER LEVEL 34.24 BELOW LSD, FEB. 26, 1970.
 RECORDS AVAILABLE 1964-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	32.95						

300441091543803 LOCAL WELL NUMBER: LF-570C

OWNER: U. S. GEOL. SURVEY. (SEC. 68, T. 10S., R. 5E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 825 FT, SCREENED 815-825. MP TOP OF 2-IN CASING, 4.0 FT ABOVE LSD.
 LSD 20.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 12.06 BELOW LSD, AUG. 5, 1975,
 LOWEST WATER LEVEL 18.82 BELOW LSD, NOV. 8, 1976.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1976	18.82	JAN. 21, 1977	16.67				

GROUND-WATER LEVELS

LIVINGSTON PARISH

302804090581801 LOCAL WELL NUMBER: LI-26B

OWNER: CLIFF MACK. (SEC. 67, T. 7S., R. 2E.) DRILLED OBSERVATION ARTESIAN WELL IN SAND ("1200-FT" SAND OF BATON ROUGE AREA) OF PLIOCENE AGE, DIAM 2 IN, DEPTH 1305 FT, SCREENED 1289-1305. MP TOP OF 2-IN CASING, .77 FT ABOVE LSD.
 LSD 37.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 3.53 BELOW LSD, JULY 1, 1957,
 LOWEST WATER LEVEL 55.23 BELOW LSD, APR. 5, 1977.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1976	52.98	APR. 5, 1977	55.23				

303034090380301 LOCAL WELL NUMBER: LI-52

OWNER: COY KINCHEN. (SEC. 20, T. 6S., R. 6E.) DRILLED DOMESTIC ARTESIAN WELL IN HYDRAULIC ZONE 3 SAND OF MIOCENE AGE, DIAM 4-IN, DEPTH 1865 FT, SCREENED 1825-1865. MP CENTERLINE OF 0.75-IN TEE, 1.25 FT ABOVE LSD.
 LSD 46.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 116.20 ABOVE LSD, NOV. 30, 1950,
 LOWEST WATER LEVEL 53.80 ABOVE LSD, APR. 5, 1977.
 RECORDS AVAILABLE 1950-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 10, 1976	+55.20	APR. 5, 1977	+53.80				

302826090344901 LOCAL WELL NUMBER: LI-54

OWNER: ST. MARGARETS CATHOLIC CHURCH. (SEC. 2, T. 7S., R. 6E.) DRILLED DOMESTIC ARTESIAN WELL IN HYDRAULIC ZONE 3 SAND OF MIOCENE AGE, DIAM 2.5 IN, DEPTH 2144 FT, SCREENED 2104-2144. MP IS CENTERLINE OF 2-IN TEE, 0.8 FT ABOVE LSD.
 LSD 33.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 121.80 ABOVE LSD, NOV. 30, 1954, JAN. 10, 1955, FEB. 1, 1955,
 LOWEST WATER LEVEL 67.30 ABOVE LSD, JULY 20, 1977.
 RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1976	+68.80	FEB. 18, 1977	+68.80	APR. 5, 1977	+69.80	JULY 20, 1977	+67.30

302959090563401 LOCAL WELL NUMBER: LI-92

OWNER: CITY OF DENHAM SPRINGS. (SEC. 48, T. 6S., R. 3E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN SAND ("2000-FT SAND OF BATON ROUGE AREA) OF MIOCENE AGE, DIAM 10 IN, DEPTH 2100 FT, SCREENED INTERVAL UNKNOWN. MP TOP EDGE OF 0.5-IN NIPPLE, 0.8 FT ABOVE LSD.
 LSD 51.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 36.20 BELOW LSD, APR. 5, 1977,
 LOWEST WATER LEVEL 61.50 BELOW LSD, JULY 14, 1976.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 12, 1976	56.35	FEB. 18, 1977	49.85	APR. 5, 1977	36.20	JULY 22, 1977	53.40

POINTE COUPEE PARISH

304939091422101 LOCAL WELL NUMBER: PC-39

OWNER: C. FLINT. (SEC. 13, T. 3S., R. 7E.) DRILLED UNUSED ARTESIAN WELL IN ZONE 1 AQUIFER OF PLIOCENE AGE, DIAM 2 IN, DEPTH REPORTED 460 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF REDUCER AT WELL, 1.3 FT ABOVE LSD.
 LSD 41.00 FT ABOVE MSL.
 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. 19, 1976	24.00	FEB. 24, 1977	21.90	APR. 29, 1977	11.75	JULY 28, 1977	22.50

See footnotes at end of table.

304643091434901 LOCAL WELL NUMBER: PC-49

OWNER: U. S. GEOL. SURVEY. (SEC. 32, T. 3S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN MISS. RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 137 FT, SCREENED 132-137 FT. MP TOP OF 4-IN CASING, 1.0 FT ABOVE LSD.
 LSD 36.00 FT ABOVE MSL.
 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. 19, 1976	26.70	FEB. 24, 1977	25.00	APR. 29, 1977	12.15	JULY 28, 1977	26.85

303556091234001 LOCAL WELL NUMBER: PC-66

OWNER: MRS. ST. GEORGE HINES. (SEC. 48, T. 5S., R. 11E.) DRILLED DOMESTIC ARTESIAN WELL IN ZONE 2 AQUIFER OF MIO-PLIOCENE AGE, DIAM 4 IN, DEPTH REPORTED 1530 FT, SCREENED 1490-1530. MP TOP OF SANITARY SEAL, 2.3 FT ABOVE LSD.
 LSD 33.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 33.79 BELOW LSD, JUNE 16, 1970,
 LOWEST WATER LEVEL 50.45 BELOW LSD, JULY 28, 1977.
 RECORDS AVAILABLE 1970, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 19, 1976	45.70	FEB. 24, 1977	45.70	APR. 29, 1977	46.70	JULY 28, 1977	50.45

303402091325501 LOCAL WELL NUMBER: PC-70

OWNER: THEO H. GLAZIER SR. (SEC. 16, T. 6S., R. 9E.) DRILLED-PUBLIC SUPPLY ARTESIAN WELL IN ZONE 3 AQUIFER OF MIOCENE AGE, DIAM 4 IN, DEPTH REPORTED 2294 FT, SCREENED 2259-2294. MP CENTERLINE OF TEE, 0.8 FT ABOVE LSD.
 LSD 26.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 69.50 ABOVE LSD, JULY 15, 1960,
 LOWEST WATER LEVEL 15.30 ABOVE LSD, NOV. 19, 1976.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 19, 1976	+15.30	FEB. 24, 1977	+17.10	APR. 29, 1977	+17.30	JULY 28, 1977	+15.60

303655091224201 LOCAL WELL NUMBER: PC-81

OWNER: ROBERT CLINE. (SEC. 98, T. 5S., R. 11E.) DRILLED DOMESTIC ARTESIAN WELL IN ZONE 3 AQUIFER OF MIOCENE AGE, DIAM 2.5 IN, DEPTH REPORTED 2101 FT, SCREENED 2071-2101. MP CENTERLINE 1.5-IN PLUG, 0.7 FT ABOVE LSD.
 LSD 33.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 28.40 ABOVE LSD, JUNE 16, 1970,
 LOWEST WATER LEVEL 2.05 ABOVE LSD, JULY 28, 1977.
 RECORDS AVAILABLE 1970, 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 19, 1976	+2.95	FEB. 24, 1977	+3.92	APR. 29, 1977	+4.20	JULY 28, 1977	+2.05

303403091330501 LOCAL WELL NUMBER: PC-138

OWNER: VILLAGE OF LIVONIA. (SEC. 16, T. 6S., R. 6E.) DRILLED UNUSED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 2 AQUIFER OF MIO-PLIOCENE AGE, DIAM 2.5 IN, DEPTH REPORTED 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 ABOVE MSL.
 HIGHEST WATER LEVEL 16.64 BELOW LSD, MAY 23, 1973,
 LOWEST WATER LEVEL 25.69 BELOW LSD, JULY 28, 1977.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 19, 1976	22.09	FEB. 24, 1977	23.09	APR. 29, 1977	22.94	JULY 28, 1977	25.69

See footnotes at end of table.

305023091393601 LOCAL WELL NUMBER: PC-143

OWNER: U. S. GEOL. SURVEY. (SEC. 37, T. 35., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN ZONE 3 AQUIFER 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 ABOVE MSL.
 HIGHEST WATER LEVEL 18.60 ABOVE LSD, APR. 17, 1968,
 LOWEST WATER LEVEL 2.20 ABOVE LSD, NOV. 19, 1976.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 19, 1976	+2.20	APR. 29, 1977	+4.35				

305023091393602 LOCAL WELL NUMBER: PC-144

OWNER: U. S. GEOL. SURVEY. (SEC. 37, T. 35., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN ZONE 2 AQUIFER OF PLIO-MIOCENE AGE, DIAM 2 IN, DEPTH MEASURED 835 FT, SCREENED 825-835, MP CENTER OF GAGE IN BUSHING ATOP CASING, 2.66 FT ABOVE LSD.
 LSD 41.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 12.20 ABOVE LSD, APR. 17, 1968,
 LOWEST WATER LEVEL 1.04 BELOW LSD, NOV. 19, 1976.
 RECORDS AVAILABLE 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 19, 1976	1.04	APR. 29, 1977	.44				

303835091202401 LOCAL WELL NUMBER: PC-146

OWNER: GLYNN WATER WORKS. (SEC. 56, T. 5S., R. 11E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN ZONE 3 AQUIFER 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 ABOVE MSL.
 HIGHEST WATER LEVEL 4.95 BELOW LSD, JUNE 20, 1974,
 LOWEST WATER LEVEL 16.20 BELOW LSD, JULY 28, 1977.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 19, 1976	13.75	FEB. 24, 1977	15.45	APR. 29, 1977	15.05	JULY 28, 1977	16.20

303538091232501 LOCAL WELL NUMBER: PC-154

OWNER: ALMA PLANTATION. (SEC. 48, T. 5S., R. 11E.) DRILLED INDUSTRIAL ARTESIAN WELL IN SAND ("1700-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 ABOVE MSL.
 HIGHEST WATER LEVEL 37.84 BELOW LSD, AUG. 4, 1975,
 LOWEST WATER LEVEL 44.44 BELOW LSD, FEB. 6, 1975.
 RECORDS AVAILABLE 1972-73, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 24, 1977	41.69	APR. 29	41.74	JULY 28, 1977	42.94		

303250091365001 LOCAL WELL NUMBER: PC-155

OWNER: JOHN BLANCHARD. (SEC. 31, T. 6S., R. 8E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND ("1200-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 ABOVE MSL.
 HIGHEST WATER LEVEL 19.20 BELOW LSD, AUG. 8, 1975,
 LOWEST WATER LEVEL 23.50 BELOW LSD, JULY 28, 1977.
 RECORDS AVAILABLE 1972-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1976	21.65	FEB. 24, 1977	22.80	APR. 29, 1977	22.40	JULY 28, 1977	23.50

See footnotes at end of table.

POINTE COUPEE PARISH

303735091211701 LOCAL WELL NUMBER: PC-156

OWNER: RICHARD GLYNN. (SEC. 50, T. 55., R. 11E.) DRILLED DOMESTIC ARTESIAN WELL IN MISS. RIVER ALLUVIAL AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH UNKNOWN, SCREENED INTERVAL UNKNOWN. MP 1/2-IN HOLE IN SANITARY SEAL, 0.6 FT ABOVE LSD.
 LSD 35.00 FT ABOVE MSL.
 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. 19, 1976	23.55	FEB. 24, 1977	20.40	APR. 29, 1977	11.20	JULY 28, 1977	21.50

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.
 LSD 4.79 FT ABOVE MSL.
 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. 5, 1976	29.17	JAN. 15, 1977	28.85	APR. 15, 1977	28.35	JULY 10, 1977	29.60
OCT. 10	29.08	JAN. 20	29.03H	APR. 20	28.27	JULY 15	29.72
OCT. 15	29.23	JAN. 25	29.01	APR. 25	23.73	JULY 20	29.63
OCT. 20	28.40	JAN. 31	28.95	APR. 30	24.17	JULY 25	29.66
OCT. 25	28.97	FEB. 5	28.88	MAY 5	28.27	JULY 26	29.75H
OCT. 31	29.01	FEB. 10	28.98	MAY 10	28.52	JULY 31	29.69
NOV. 5	29.13	FEB. 15	28.98	MAY 15	28.54	AUG. 5	29.72
NOV. 10	29.20	FEB. 20	29.02	MAY 17	28.66H	AUG. 10	29.62
NOV. 15	29.10H	FEB. 25	28.92	MAY 20	28.63	AUG. 15	29.57
NOV. 20	28.99	FEB. 28	28.94	MAY 25	28.81	AUG. 20	29.57
NOV. 25	29.09	MAR. 4	28.78H	MAY 31	29.05	AUG. 25	29.26
NOV. 30	29.18	MAR. 5	28.77	JUNE 5	29.17	AUG. 31	28.69
DEC. 5	29.21	MAR. 10	28.52	JUNE 10	29.28	SEP. 1	28.64H
DEC. 10	29.10	MAR. 15	28.39	JUNE 15	29.32	SEP. 5	28.04
DEC. 15	28.85	MAR. 20	28.45	JUNE 17	29.34H	SEP. 10	28.31
DEC. 20	28.84	MAR. 25	28.26	JUNE 20	29.33	SEP. 15	28.57
DEC. 25	28.80	MAR. 31	28.11	JUNE 25	29.42	SEP. 20	28.60
DEC. 31	28.98	APR. 5	28.13	JUNE 30	29.62	SEP. 25	28.74
JAN. 5, 1977	28.91	APR. 10	28.20	JULY 5	29.59	SEP. 30	28.89
JAN. 10	28.98						

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 TOP OF CASING, AT LSD.
 LSD 5.51 FT ABOVE MSL.
 HIGHEST WATER LEVEL 32.68 BELOW LSD, SEP. 1, 1977,
 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. 5, 1976	39.43	JAN. 15, 1977	38.01	APR. 15, 1977	35.02	JULY 10, 1977	34.82
OCT. 10	39.56	JAN. 20	38.52H	APR. 20	35.93	JULY 15	35.05
OCT. 15	39.53	JAN. 25	38.42	APR. 25	36.28	JULY 20	34.81
OCT. 20	39.45	JAN. 31	38.28	APR. 30	36.03	JULY 25	34.49
OCT. 25	39.33	FEB. 5	37.48	MAY 5	36.02	JULY 26	34.57H
OCT. 31	39.16	FEB. 10	37.24	MAY 10	33.99	JULY 31	34.30
NOV. 5	38.62	FEB. 15	37.14	MAY 15	36.20	AUG. 5	34.27
NOV. 10	38.24	FEB. 20	38.37	MAY 17	36.38H	AUG. 10	34.05
NOV. 15	38.52H	FEB. 25	38.35	MAY 20	36.40	AUG. 15	35.29
NOV. 20	38.57	FEB. 28	38.36	MAY 25	34.17	AUG. 20	33.79
NOV. 25	38.62	MAR. 4	38.21H	MAY 31	34.05	AUG. 25	33.37
NOV. 30	38.74	MAR. 5	38.17	JUNE 5	34.26	AUG. 31	32.77
DEC. 5	38.91	MAR. 10	37.82	JUNE 10	35.74	SEP. 1	32.68H
DEC. 10	38.78	MAR. 15	37.63	JUNE 15	37.45	SEP. 5	38.34
DEC. 15	38.48	MAR. 20	37.56	JUNE 17	37.41H	SEP. 10	40.36
DEC. 20	38.32	MAR. 25	36.21	JUNE 20	37.36	SEP. 15	41.01
DEC. 25	38.14	MAR. 31	35.40	JUNE 25	37.47	SEP. 20	41.40
DEC. 31	38.27	APR. 5	32.73	JUNE 30	35.43	SEP. 25	41.56
JAN. 5, 1977	38.13	APR. 10	34.45	JULY 5	34.92	SEP. 30	40.96
JAN. 10	37.04						

See footnotes at end of table.

GROUND-WATER LEVELS

ST. CHARLES PARISH

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 OF CONCRETE CURBING AROUND 18-IN CASING, 2.70 FT ABOVE LSD.

LSD 12.00 FT ABOVE MSL.

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
MAY 17, 1977	15.80						

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 1.25 IN, DEPTH 256 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF FITTING IN TOP OF TEE ATOP CASING, 0.9 FT ABOVE LSD.

LSD 13.00 FT ABOVE MSL.

HIGHEST WATER LEVEL 9.97 BELOW LSD, APR. 3, 1975,

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
MAY 16, 1977	11.80						

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 ABOVE MSL.

HIGHEST WATER LEVEL 10.26 BELOW LSD, APR. 18, 1974,

LOWEST WATER LEVEL 28.40 BELOW LSD, JAN. 30, 1957.

RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 28, 1977	22.68	MAY 16	21.43	JULY 25, 1977	22.81		

295633090193101 LOCAL WELL NUMBER: SC-102

OWNER: U. S. GEOL. SURVEY. (SEC. 40, T. 13S., R. 9E.) AUGERED 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 ABOVE MSL.

HIGHEST WATER LEVEL 1.75 ABOVE LSD, MAY 18, 1973,

LOWEST WATER LEVEL 10.61 BELOW LSD, NOV. 16, 1962.

RECORDS AVAILABLE 1960-66, 1968-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAY 17, 1977	5.12						

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 HYDRAULIC ZONE 3 SAND 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 ABOVE MSL.

HIGHEST WATER LEVEL 39.10 ABOVE LSD, MAR. 18, 1955,

LOWEST WATER LEVEL 19.85 BELOW LSD, FEB. 25, 1977.

RECORDS AVAILABLE 1955-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1976	18.00	FEB. 25, 1977	19.85	APR. 7, 1977	17.85	JULY 19, 1977	19.65

ST. HELENA PARISH

305300090502701 LOCAL WELL NUMBER: SH-9

OWNER: BILLUPS PETROLEUM CO. (SEC. 73, T. 2S., R. 4E.) DRILLED DOMESTIC AND STOCK ARTESIAN WELL IN HYDRAULIC 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 ABOVE MSL.
 HIGHEST WATER LEVEL 54.56 BELOW LSD, SEP. 13, 1960,
 LOWEST WATER LEVEL 75.92 BELOW LSD, APR. 7, 1977.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1976	74.12	FEB. 25, 1977	75.57	APR. 7, 1977	75.92	JULY 19, 1977	75.72

ST. JAMES PARISH

300242090444001 LOCAL WELL NUMBER: SJ-20

OWNER: EXXON CO., U.S.A. (SEC. 6, T. 11S., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN GRAMERCY AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, DEPTH 176 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1-IN NIPPLE ATOP BULLPLUG, 2.09 FT ABOVE LSD.
 LSD 5.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 5.46 ABOVE LSD, APR. 11, 1961,
 LOWEST WATER LEVEL 5.98 BELOW LSD, OCT. 16, 1963.
 RECORDS AVAILABLE 1957-64, 1966-67, CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
FEB. 11, 1977	4.75	APR. 11	+2.09				

295906090502001 LOCAL WELL NUMBER: SJ-24

OWNER: L.R.GREMILLION. (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 OPENING IN TEE, 0.99 FT ABOVE LSD.
 LSD 11.79 FT ABOVE MSL.
 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
FEB. 11, 1977	8.41	APR. 11	2.82				

3004490905020201 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, 1.0 FT ABOVE LSD.
 LSD 17.80 FT ABOVE MSL.
 HIGHEST WATER LEVEL 0.10 BELOW LSD, APR. 18, 1973,
 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 17, 1977	9.70						

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 CASING COLLAR, 1.0 FT ABOVE LSD.
 LSD 18.30 FT ABOVE MSL.
 HIGHEST WATER LEVEL 3.97 BELOW LSD, APR. 16, 1973,
 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
FEB. 11, 1977	16.98	FEB. 28, 1977	16.56	APR. 11, 1977	10.26	JULY 25, 1977	16.19

See footnotes at end of table.

GROUND-WATER LEVELS

ST. JAMES PARISH

300433090403701 LOCAL WELL NUMBER: SJ-186

OWNER: U. S. GEOL. SURVEY. (SEC. 47, 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, 1.44 FT ABOVE LSD.
 LSD 4.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 3.20 ABOVE LSD, MAY 15, 1975,
 LOWEST WATER LEVEL 7.63 BELOW LSD, FEB. 11, 1977.
 RECORDS AVAILABLE 1974-76.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 15, 1976	7.50	FEB. 11, 1977	7.63	MAY 17, 1977	4.12	JULY 25, 1977	6.66
JAN. 20, 1977	7.50	MAR. 3	7.34	JUNE 17	6.21	SEP. 1	6.84

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 ABOVE MSL.
 HIGHEST WATER LEVEL 17.84 BELOW LSD, JULY 17, 1975,
 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
MAR. 3, 1977	21.13	MAY 17	20.30	JULY 25, 1977	21.37		

300408090375401 LOCAL WELL NUMBER: SJB-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 REDUCER, 0.55 FT ABOVE LSD.
 LSD 4.42 FT ABOVE MSL.
 HIGHEST WATER LEVEL 3.73 ABOVE LSD, MAY 17, 1973,
 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
FEB. 11, 1977	7.07	MAY 17	4.29				

300420090344201 LOCAL WELL NUMBER: SJB-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 2-IN NIPPLE, 2.91 FT ABOVE LSD.
 LSD 9.35 FT ABOVE MSL.
 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
MAY 17, 1977	10.23						

300234090390304 LOCAL WELL NUMBER: SJB-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 ABOVE MSL.
 HIGHEST WATER LEVEL 3.15 BELOW 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
NOV. 16, 1976	13.94	FEB. 28, 1977	13.03	MAY 16, 1977	9.64	JULY 25, 1977	13.79
JAN. 18, 1977	13.13	APR. 27	3.67	JUNE 16	13.58	SEP. 2	11.50
FEB. 11	13.79						

ST. JOHN THE BAPTIST PARISH

300234090390301 LOCAL WELL NUMBER: SJB-145

OWNER: U. S. GEOL. SURVEY. (SEC. 18, T. 12S., R. 18E.) DRILLED OBSERVATION ARTESIAN WELL IN NORCO 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 17.51 FT ABOVE MSL.
 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
NOV. 16, 1976	18.52	FEB. 28, 1977	18.34	MAY 16, 1977	15.33	JULY 25, 1977	18.75
JAN. 18, 1977	18.98	APR. 27	10.73	JUNE 16	18.57	SEP. 2	18.14
FEB. 11	19.28						

300348090290801 LOCAL WELL NUMBER: SJB-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 ABOVE MSL.
 HIGHEST WATER LEVEL 25.69 BELOW LSD, JULY 7, 1976.
 LOWEST WATER LEVEL 26.85 BELOW LSD, MAR. 3, 1977.
 RECORDS AVAILABLE 1976-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 3, 1977	26.85	MAY 17	26.26	JULY 25, 1977	26.58		

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 4-IN CASING COLLAR, 3.35 FT. ABOVE LSD.
 LSD 10.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 21.05 BELOW LSD, MAY 22, 1973.
 LOWEST WATER LEVEL 23.62 BELOW LSD, JULY 25, 1977.
 RECORDS AVAILABLE 1971-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
JULY 25, 1977	23.62						

ST. MARTIN PARISH

300506091545201 LOCAL WELL NUMBER: SMN-20

OWNER: SMEDES BROS., INC. (IRREG. SEC. 13, T. 11S., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 10 IN, REPORTED DEPTH 285 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 10-IN COLLAR, 1.20 FT ABOVE LSD.
 LSD 30.57 FT ABOVE MSL.
 HIGHEST WATER LEVEL 16.57 BELOW LSD, JULY 9, 1946.
 LOWEST WATER LEVEL 29.65 BELOW LSD, MAR. 7, 1977.
 RECORDS AVAILABLE 1944-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	29.65						

302406091521801 LOCAL WELL NUMBER: SMN-63

OWNER: SIDNEY WILLIS. (IRREG. SEC. 48, T. 7S., R. 6E.) DRILLED DOMESTIC AND STOCK ARTESIAN WELL IN SAND OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 200 FT, SCREENED 180-200. MP FLOOR OF WELL HOUSE, 1.09 FT ABOVE LSD.
 LSD 17.43 FT ABOVE MSL.
 HIGHEST WATER LEVEL 0.04 BELOW LSD, MAR. 20, 1950.
 LOWEST WATER LEVEL 17.43 BELOW LSD, SEP. 8, 1947.
 RECORDS AVAILABLE 1944-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	11.01						

GROUND-WATER LEVELS

ST. MARTIN PARISH

300620092474501 LOCAL WELL NUMBER: SMN-68

OWNER: A. R. FUSELIER. (IRREG. SEC. 7, T. 11S., R. 7E.) DRILLED IRRIGATION ARTESIAN WELL IN ATCHAFALAYA AQUIFER OF PLEISTOCENE AGE, DIAM 10 IN, REPORTED DEPTH 200 FT, SCREENED 170-200. MP LOWER LIP OF DISCHARGE PIPE, 10.07 FT ABOVE LSD.
 LSD 15.37 FT ABOVE MSL.
 HIGHEST WATER LEVEL 1.68 BELOW LSD, MAR. 21, 1950,
 LOWEST WATER LEVEL 11.60 BELOW LSD, FEB. 26, 1970.
 RECORDS AVAILABLE 1944-72, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	11.41						

301459091565601 LOCAL WELL NUMBER: SMN-88

OWNER: SKELLY OIL CO. (IRREG. SEC. 72, T. 9S., R. 5E.) DRILLED UNUSED ARTESIAN WELL IN ATCHAFALAYA AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 200 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF AIRLINE PIPE, 5.03 FT ABOVE LSD.
 LSD 17.75 FT ABOVE MSL.
 HIGHEST WATER LEVEL 5.35 BELOW LSD, MAR. 20, 1950,
 LOWEST WATER LEVEL 17.95 BELOW LSD, FEB. 26, 1970.
 RECORDS AVAILABLE 1949-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	13.44						

301642091412001 LOCAL WELL NUMBER: SMN-102

OWNER: U. S. GEOL. SURVEY. (SEC. 7, T. 9S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN ATCHAFALAYA AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 1/2 IN, DEPTH 186 FT, SCREENED 176-186. MP TOP OF 2-IN CASING, 1.70 FT ABOVE LSD.
 LSD 21.87 FT ABOVE MSL.
 HIGHEST WATER LEVEL 13.11 BELOW LSD, MAR. 23, 1977,
 LOWEST WATER LEVEL 19.09 BELOW LSD, NOV. 8, 1976.
 RECORDS AVAILABLE 1964-72, 1974-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1976	19.09	MAR. 7, 1977	16.90	JUNE 14, 1977	16.89	AUG. 24, 1977	18.12
JAN. 24, 1977	17.32	MAR. 23	13.11	JULY 18	18.20	SEP. 20	17.17
FEB. 16	17.99	MAY 24	14.42				

301308091521001 LOCAL WELL NUMBER: SMN-103

OWNER: U. S. GEOL. SURVEY. (IRREG. SEC. 88, T. 9S., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN ATCHAFALAYA AQUIFER OF PLEISTOCENE AGE, DIAM 2 TO 1 1/2 IN, DEPTH 145 FT, SCREENED 135-145. MP TOP OF 2-IN CASING, 2.10 FT ABOVE LSD.
 LSD 23.93 FT ABOVE MSL.
 HIGHEST WATER LEVEL 12.65 BELOW LSD, FEB. 27, 1974,
 LOWEST WATER LEVEL 21.96 BELOW LSD, NOV. 19, 1969.
 RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	17.32						

301434091465401 LOCAL WELL NUMBER: SMN-104

OWNER: PAN AMERICAN PET. CO. (SEC. 20, T. 9S., R. 7E.) DRILLED INDUSTRIAL ARTESIAN WELL IN ATCHAFALAYA AQUIFER OF PLEISTOCENE AGE, DIAM 4 IN, REPORTED DEPTH 199 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 1/2-IN BUSHING, 1.59 FT ABOVE LSD.
 LSD 8.44 FT ABOVE MSL.
 HIGHEST WATER LEVEL 2.49 ABOVE LSD, APR. 27, 1965,
 LOWEST WATER LEVEL 3.50 BELOW LSD, JULY 28, 1964.
 RECORDS AVAILABLE 1964-72, 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
MAR. 7, 1977	0.75						

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 ABOVE MSL.
 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. 7, 1977	7.08						

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 ABOVE MSL.
 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. 7, 1977	7.29						

300947091472102 LOCAL WELL NUMBER: SMN-134B

OWNER: U. S. GEOL. SURVEY. (SEC. 47, T. 10S., R. 7E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 846 FT, SCREENED 836-846. MP TOP OF 2-IN CASING, 3.5 FT ABOVE LSD.
 LSD 20.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 10.42 BELOW LSD, JUNE 4, 1975.
 LOWEST WATER LEVEL 16.16 BELOW LSD, NOV. 8, 1976.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1976	16.16	JAN. 21, 1977	15.37	FEB. 16, 1977	15.28	JUNE 14, 1977	14.70

301512091503002 LOCAL WELL NUMBER: SMN-135B

OWNER: U. S. GEOL. SURVEY. (SEC. 15, T. 9S., R. 6E.) DRILLED OBSERVATION ARTESIAN WELL IN CHICOT AQUIFER OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 658 FT, SCREENED 648-658. MP TOP OF 2-IN CASING, 3.0 FT ABOVE LSD.
 LSD 0.0 FT ABOVE MSL.
 HIGHEST WATER LEVEL 7.61 BELOW LSD, JUNE 4, 1975.
 LOWEST WATER LEVEL 14.85 BELOW LSD, NOV. 8, 1976.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 8, 1976	14.85	MAR. 7, 1977	13.08	JUNE 14, 1977	12.83	SEP. 20, 1977	13.45
FEB. 16, 1977	13.06						

ST. TAMMANY PARISH

302055090014601 LOCAL WELL NUMBER: ST-12

OWNER: PARKS AND REC. COMM. (SEC. 37, T. 8S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN HYDRAULIC ZONE 1 SAND OF PLEISTOCENE AGE, DIAM 6 IN, DEPTH 1525 FT, SCREENED INTERVAL UNKNOWN. MP CENTERLINE OF 4-IN TEE, 2.3 FT BELOW LSD (SINCE 7/10/75).
 LSD 7.00 FT ABOVE MSL.
 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. 16, 1976	+27.50	FEB. 18, 1977	+27.10	MAY 17, 1977	+26.70	AUG. 23, 1977	+27.10

See footnotes at end of table.

GROUND-WATER LEVELS

ST. TAMMANY PARISH

303529089550601 LOCAL WELL NUMBER: ST-16

OWNER: BOGALUSA TUNG OIL CO. (SEC. 29, T. 5S., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN HYDRAULIC ZONE 2 SAND OF MIO-PLIOCENE AGE, DIAM 4 IN, REPORTED DEPTH 1000 FT, SCREENED INTERVAL UNKNOWN. MP CENTERLINE OF DISCHARGE PIPE, 4.0 FT ABOVE LSD.
 LSD 78.00 FT ABOVE MSL.
 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. 9, 1976	+11.80	FEB. 24, 1977	+11.10	MAY 17, 1977	+10.90	AUG. 31, 1977	+11.60

302852090010601 LOCAL WELL NUMBER: ST-545

OWNER: A. T. FLOT. (SEC. 32, T. 6S., R. 12E.) DRILLED DOMESTIC ARTESIAN WELL IN HYDRAULIC ZONE 2 SAND OF MIO-PLIOCENE AGE, DIAM 2.5 IN, REPORTED DEPTH 1598 FT, SCREENED 1548-1598. MP TOP EDGE OF CEMENT-BLOCK SECTION OF BUNKHOUSE WALL, 3.0 FT BELOW LSD.
 LSD 35.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 97.00 ABOVE LSD, MAR. 11, 1953,
 LOWEST WATER LEVEL 51.90 ABOVE LSD, AUG. 31, 1977.
 RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1976	+54.40	APR. 4, 1977	+54.00	MAY 17, 1977	+53.40	AUG. 31, 1977	+51.90
FEB. 24, 1977	+53.80						

303522090105201 LOCAL WELL NUMBER: ST-558

OWNER: S. PULITZER. (SEC. 27, T. 5S., R. 10E.) DRILLED DOMESTIC ARTESIAN WELL IN HYDRAULIC ZONE 3 SAND OF MIOCENE AGE, DIAM 3 IN, DEPTH 2431 FT, SCREENED 2381-2431. MP TOP OF CONCRETE RIM OF SWIM POOL NEAR 2-IN OUTLET, 2.0 FT ABOVE LSD.
 LSD 112.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 42.00 ABOVE LSD, JULY 7, 1956,
 LOWEST WATER LEVEL 3.80 ABOVE LSD, FEB. 15, 1977.
 RECORDS AVAILABLE 1956, 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 9, 1976	+5.00	FEB. 15, 1977	+3.80	MAY 17, 1977	+4.40	AUG. 31, 1977	+5.00

302406090093101 LOCAL WELL NUMBER: ST-562

OWNER: TOWN OF MADISONVILLE. (SEC. 39, T. 7S., R. 10E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN HYDRAULIC ZONE 2 SAND OF MIO-PLIOCENE AGE, DIAM 4 IN, DEPTH 1901 FT, SCREENED 1840-1901. MP CENTER LINE OF 4-IN DISCHARGE LINE, 3.1 FT ABOVE LSD.
 LSD 4.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 119.20 ABOVE LSD, NOV. 17, 1961,
 LOWEST WATER LEVEL 76.60 ABOVE LSD, MAY 17, 1977.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 16, 1976	+89.10	FEB. 18, 1977	+88.10	MAY 17, 1977	+76.60	AUG. 23, 1977	+77.10

301536089470901 LOCAL WELL NUMBER: ST-563

OWNER: TOWN OF SLIDELL. (SEC. 15, T. 9S., R. 14E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN HYDRAULIC ZONE 2 SAND OF MIO-PLIOCENE AGE, DIAM 10, DEPTH 2411 FT, SCREENED 2262-2411. MP CENTER LINE OF FAUCET ON DISCHARGE LINE, 3.5 FT ABOVE LSD.
 LSD 4.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 118.90 ABOVE LSD, JUNE 12, 1958,
 LOWEST WATER LEVEL 68.00 ABOVE LSD, MAY 17, 1977.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1976	+71.80	MAY 17, 1977	+68.00	JULY 22, 1977	+74.50	AUG. 23, 1977	+71.50
FEB. 18, 1977	+74.00						

See footnotes at end of table.

ST. TAMMANY PARISH

303010090120701 LOCAL WELL NUMBER: ST-615

OWNER: U. S. GEOL. SURVEY. (SEC. 28, T. 6S., R. 10E.) AUGURED OBSERVATION ARTESIAN WELL IN UPLAND TERRACE DEPOSITS OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 34 FT, SCREENED 32-34. MP TOP OF CASING, 2.3 FT ABOVE LSD.
 LSD 38.00 FT ABOVE MSL.
 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. 9, 1976	9.01	FEB. 15, 1977	6.25	MAY 17, 1977	6.00	AUG. 23, 1977	7.15

303159090110001 LOCAL WELL NUMBER: ST-652

OWNER: WILLY CORE. (SEC. 15, T. 6S., R. 10E.) DRILLED RECREATION ARTESIAN WELL IN HYDRAULIC ZONE 3 SAND OF MIOCENE AGE, DIAM 10 IN, DEPTH 3354 FT, SCREENED 3269-3354. MP CENTERLINE OF HORIZONTAL 10-IN PIPE, 3.0 FT ABOVE LSD.
 LSD 44.00 FT ABOVE MSL.
 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. 9, 1976	+83.00	FEB. 15, 1977	+86.80	MAY 17, 1977	+67.20B	AUG. 31, 1977	+84.00

301839089493801 LOCAL WELL NUMBER: ST-661

OWNER: ALBERT L. STONE. (SEC. 37, T. 8S., R. 10E.) DRILLED DOMESTIC ARTESIAN WELL IN HYDRAULIC ZONE 2 SAND OF MIO-PLIOCENE AGE, DIAM 2 IN, DEPTH 2220 FT, SCREENED 2200-2220. MP CENTER OF 2-IN DISCHARGE LINE, 0.95 FT ABOVE LSD.
 LSD 16.00 FT ABOVE MSL.
 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. 17, 1976	+66.80	FEB. 18, 1977	+66.00	MAY 17, 1977	+59.40	AUG. 23, 1977	+63.40

TANGIPAHOA PARISH

302606090263401 LOCAL WELL NUMBER: TA-7

OWNER: TOWN OF PONCHATOULA. (SEC. 18, T. 7S., R. 8E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN UNDIFFERENTIATED DEPOSITS OF QUATERNARY AGE, DIAM 6 IN, REPORTED DEPTH 654 FT, SCREENED INTERVAL UNKNOWN. MP IS TOP OF TEE AT WELL, 0.73 FT ABOVE LSD.
 LSD 22.00 FT ABOVE MSL.
 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. 11, 1976	+4.33	FEB. 18, 1977	+4.73	APR. 7, 1977	+3.93	JULY 20, 1977	+3.73

302445090220001 LOCAL WELL NUMBER: TA-19

OWNER: VICTOR STEVENS. (SEC. 26, T. 7S., R. 8E.) DRILLED DOMESTIC AND IRRIGATION ARTESIAN WELL IN UNDIFFERENTIATED DEPOSITS OF QUATERNARY AGE, DIAM 2 IN, REPORTED DEPTH 535 FT, SCREENED 515-535. MP TOP OF CONCRETE SIDEWALK LEVEL WITH LSD.
 LSD 5.00 FT ABOVE MSL.
 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. 11, 1976	+14.70	FEB. 18, 1977	+16.50	APR. 7, 1977	+16.30	JULY 20, 1977	+14.50

See footnotes at end of table.

GROUND-WATER LEVELS

TANGIPAHOA PARISH

302549090222601 LOCAL WELL NUMBER: TA-242

OWNER: BYRON STEVENS. (SEC. 23, T. 7S., R. 8E.) DRILLED IRRIGATION ARTESIAN WELL IN HYDRAULIC ZONE 1 SAND OF PLIOCENE AGE, DIAM 2 IN, DEPTH 405 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF 2-IN TEE, 1.0 FT ABOVE LSD.
 LSD 20.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 14.90 ABOVE LSD, APR. 3, 1947,
 LOWEST WATER LEVEL 7.30 ABOVE LSD, MAY 9, 1963.
 RECORDS AVAILABLE 1944-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1976	+10.00	APR. 7, 1977	+11.80				

302956090274201 LOCAL WELL NUMBER: TA-253

OWNER: CITY OF HAMMOND. (SEC. 25, T. 6S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN HYDRAULIC ZONE 3 SAND OF MIOCENE AGE, DIAM 8 IN, DEPTH 2190 FT, SCREENED 2070-2190, MP TOP OF HORIZONTAL DISCHARGE PIPE, 2.0 FT ABOVE LSD.
 LSD 35.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 106.03 ABOVE LSD, DEC. 16, 1952,
 LOWEST WATER LEVEL 66.00 ABOVE LSD, JAN. 12, 1970, JAN. 13, 1976, JULY 20, 1977.
 RECORDS AVAILABLE 1952-63, 1965-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1976	+68.00	FEB. 18, 1977	+68.00	APR. 7, 1977	+68.50	JULY 20, 1977	+66.00

304550090304101 LOCAL WELL NUMBER: TA-260

OWNER: TOWN OF ROSELAND. (SEC. 28, T. 3S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN HYDRAULIC ZONE 3 SAND OF MIOCENE AGE, DIAM 4 IN, DEPTH 2013 FT, SCREENED 1951-2013, MP TOP OF 0.75-IN VALVE, 3.65 FT ABOVE LSD.
 LSD 130.86 FT ABOVE MSL.
 HIGHEST WATER LEVEL 34.65 ABOVE LSD, MAY 5, 1953,
 LOWEST WATER LEVEL 11.95 BELOW LSD, APR. 12, 1977.
 RECORDS AVAILABLE 1953-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1976	11.50	APR. 12, 1977	11.95				

303806090295903 LOCAL WELL NUMBER: TA-262

OWNER: TOWN OF INDEPENDENCE. (SEC. 10, T. 5S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN HYDRAULIC ZONE 3 SAND OF MIOCENE AGE, DIAM 3 IN, DEPTH 2316 FT, SCREENED INTERVAL UNKNOWN, MP TOP OF 4-IN TEE, 2.4 FT ABOVE LSD.
 LSD 85.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 79.80 ABOVE LSD, JAN. 6, 1954,
 LOWEST WATER LEVEL 15.90 ABOVE LSD, JULY 19, 1977.
 RECORDS AVAILABLE 1954-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1976	+17.90	FEB. 17, 1977	+20.90	APR. 12, 1977	+18.40	JULY 19, 1977	+15.90

302957090274001 LOCAL WELL NUMBER: TA-268

OWNER: CITY OF HAMMOND. (SEC. 25, T. 6S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN HYDRAULIC ZONE 3 SAND 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 ABOVE MSL.
 HIGHEST WATER LEVEL 120.60 ABOVE LSD, JAN. 25, 1957,
 LOWEST WATER LEVEL 34.10 ABOVE LSD, JULY 20, 1977.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1976	+38.10	FEB. 17, 1977	+38.10	MAY 10, 1977	+39.90	JULY 20, 1977	+34.10
JAN. 13, 1977	+40.10	APR. 7	+38.60	JUNE 14	+35.60	AUG. 30	+34.60

See footnotes at end of table.

302519090311401 LOCAL WELL NUMBER: TA-273

OWNER: DOMINICAN SISTERS CONVENT. (SEC. 44, T. 7S., R. 7E.) DRILLED DOMESTIC ARTESIAN WELL IN HYDRAULIC ZONE 3 SAND OF MIOCENE AGE, DIAM 3 IN, DEPTH 2329 FT, SCREENED 2289-2329. MP CENTERLINE OF TEE, 2.0 FT ABOVE LSD.
 LSD 11.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 127.20 ABOVE LSD, APR. 12, 1960, MAY 17, 1960.
 LOWEST WATER LEVEL 91.00 ABOVE LSD, NOV. 11, 1976, APR. 5, 1977.
 RECORDS AVAILABLE 1960-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 11, 1976	+91.00	APR. 5, 1977	+91.00				

305237090305101 LOCAL WELL NUMBER: TA-283

OWNER: VILLAGE OF TANGIPAHOA. (SEC. 60, T. 2S., R. 7E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN HYDRAULIC ZONE 2 SAND OF MIO-PLIOCENE AGE, DIAM 13 IN, DEPTH 1457 FT, SCREENED 1419-1457. MP TOP OF SANITARY SEAL, 1.0 FT ABOVE LSD.
 LSD 179.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 36.30 BELOW LSD, MAR. 23, 1971.
 LOWEST WATER LEVEL 58.40 BELOW LSD, FEB. 17, 1977.
 RECORDS AVAILABLE 1969-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1976	54.60	FEB. 17, 1977	58.40	APR. 12, 1977	54.40	JULY 19, 1977	54.30

303622090243901 LOCAL WELL NUMBER: TA-360

OWNER: U. S. GEOL. SURVEY. (SEC. 21, T. 5S., R. 8E.) AUGERED OBSERVATION ARTESIAN WELL IN QUATERNARY UPLAND DEPOSITS, DIAM 1.25 IN, DEPTH 54 FT, SCREENED 52-54. MP TOP OF CASING, 3.15 FT ABOVE LSD.
 LSD 75.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 15.45 BELOW LSD, JULY 10, 1975.
 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. 4, 1976	17.35	FEB. 17, 1977	17.15	APR. 12, 1977	16.95	JULY 19, 1977	16.85

305737090322501 LOCAL WELL NUMBER: TA-362

OWNER: U. S. GEOL. SURVEY. (SEC. 40, T. 1S., R. 7E.) AUGERED OBSERVATION ARTESIAN WELL IN QUATERNARY UPLAND DEPOSITS, DIAM 1.25 IN, DEPTH 43 FT, SCREENED 40-43. MP TOP OF CASING, 3.20 FT ABOVE LSD.
 LSD 265.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 16.71 BELOW LSD, APR. 15, 1974.
 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. 4, 1976	22.45	FEB. 17, 1977	21.90	APR. 12, 1977	21.30	JULY 21, 1977	21.70

305434090264201 LOCAL WELL NUMBER: TA-440

OWNER: U.S. GEOL. SURVEY. (SEC. 47, T. 2S., R. 8E.) DRILLED OBSERVATION ARTESIAN WELL IN HYDRAULIC ZONE 2 SAND OF MIO-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 ABOVE MSL.
 HIGHEST WATER LEVEL 1.61 BELOW LSD, SEP. 24, 1975.
 LOWEST WATER LEVEL 4.44 BELOW LSD, FEB. 17, 1977.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 19, 1976	4.07	FEB. 17, 1977	4.44	MAY 25, 1977	4.24	SEP. 22, 1977	4.38
NOV. 17	4.30	MAY 16	4.21	AUG. 24	4.04		

See footnotes at end of table.

GROUND-WATER LEVELS

WASHINGTON PARISH

304652089512201 LOCAL WELL NUMBER: WA-13

OWNER: GAYLORD CONTAINER CORP. (SEC. 38, T. 35., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN SAND OF PLEISTOCENE AGE, DIAM 20 IN, DEPTH 156 FT, SCREENED 90-156. MP TOP EDGE OF RECORDER SHELTER 5' 00R, 1.3 FT ABOVE LSD.
 LSD 75.00 FT ABOVE MSL.
 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. 1, 1976	18.86H	JAN. 5, 1977	18.27H	APR. 5, 1977	11.70C	JUNE 25, 1977	18.76C
OCT. 5	19.96C	JAN. 10	18.06C	APR. 6	12.36H	JUNE 30	18.67H
OCT. 10	19.57C	JAN. 15	17.63C	APR. 10	16.87C	JULY 1	18.25H
OCT. 15	19.56C	JAN. 20	17.84C	APR. 15	16.83C	JULY 5	18.23C
OCT. 20	19.27C	JAN. 25	17.14C	APR. 20	16.56C	JULY 10	18.74C
OCT. 25	19.47C	JAN. 31	17.54C	APR. 25	16.49C	JULY 15	17.79C
OCT. 28	19.46H	FEB. 5	16.81C	APR. 30	16.26C	JULY 20	18.24C
OCT. 31	19.36C	FEB. 10	11.93C	MAY 5	16.15C	JULY 21	17.90H
NOV. 5	18.98C	FEB. 15	12.49C	MAY 10	16.24C	JULY 25	12.86C
NOV. 10	19.04C	FEB. 17	12.40H	MAY 15	14.07C	JULY 30	13.07C
NOV. 15	18.62C	FEB. 20	12.78C	MAY 16	14.31H	AUG. 3	13.24C
NOV. 20	18.65C	FEB. 25	12.01C	MAY 20	13.91C	AUG. 31	13.17H
NOV. 25	19.85C	FEB. 28	11.83C	MAY 25	14.23C	SEP. 5	8.97C
NOV. 30	17.96C	MAR. 5	12.14C	MAY 31	18.24C	SEP. 10	8.23C
DEC. 5	19.05C	MAR. 10	12.02C	JUNE 5	18.58C	SEP. 15	8.43C
DEC. 10	18.55C	MAR. 15	11.65C	JUNE 10	18.46C	SEP. 20	8.73C
DEC. 15	18.03C	MAR. 20	12.37C	JUNE 13	18.04H	SEP. 22	8.63H
DEC. 20	18.79C	MAR. 25	11.60C	JUNE 15	18.42C	SEP. 25	20.80C
DEC. 25	13.27C	MAR. 31	11.13C	JUNE 20	18.30C	SEP. 30	20.85C
DEC. 31	18.01C						

304756089514401 LOCAL WELL NUMBER: WA-14

OWNER: CITY OF BOGALUSA. (SEC. 11, T. 35., R. 13E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN HYDRAULIC ZONE 2 SAND OF PLIO-MIOCENE AGE, DIAM 12 IN, DEPTH 681 FT, SCREENED 580-681. MP TOP OF PUMP DISCHARGE LINE, 3.7 FT ABOVE LSD.
 LSD 105.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 33.50 ABOVE LSD, OCT. 30, 1975,
 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
OCT. 20, 1976	+28.70	JAN. 7, 1977	+21.90	MAY 16, 1977	+21.90	JULY 21, 1977	+21.50
OCT. 28	+31.60	FEB. 24	+22.80	MAY 26	+20.60	AUG. 31	+20.90
JAN. 5, 1977	+22.30	APR. 6	+22.30	JUNE 13	+21.40	SEP. 22	+20.90

304613089513201 LOCAL WELL NUMBER: WA-15

OWNER: CITY OF BOGALUSA. (SEC. 38, T. 35., R. 13E.) DRILLED UNUSED ARTESIAN WELL IN HYDRAULIC ZONE 2 SAND OF PLIO-MIOCENE 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, 1.5 FT ABOVE LSD.
 LSD 98.00 FT ABOVE MSL.
 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
OCT. 20, 1976	+24.50	FEB. 17, 1977	+23.90	MAY 16, 1977	+23.90	AUG. 31, 1977	+22.90
OCT. 28	+23.60	MAR. 16	+23.90	JUNE 13	+23.90	SEP. 22	+22.80
JAN. 5, 1977	+24.10	APR. 6	+24.10	JULY 21	+23.60		

See footnotes at end of table.

305036090092101 LOCAL WELL NUMBER: WA-18

OWNER: TOWN OF FRANKLINTON. (SEC. 46, T. 2S., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN HYDRAULIC ZONE 2 SAND OF PLIO-MIOCENE AGE, DIAM 6 IN, DEPTH 788 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF 6-IN TEE, 1.2 FT ABOVE LSD.
 LSD 150.00 FT ABOVE MSL.
 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
OCT. 19, 1976	+21.90	FEB. 17, 1977	+21.20	JUNE 14, 1977	+21.00	AUG. 24, 1977	+21.10
OCT. 29	+21.20	APR. 6	+21.30	JULY 20	+21.00	SEP. 22	+20.50
JAN. 6, 1977	+21.90	MAY 16	+20.90				

304756089514402 LOCAL WELL NUMBER: WA-41

OWNER: CITY OF BOGALUSA. (SEC. 11, T. 3S., R. 13E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN HYDRAULIC ZONE 3 SAND OF MIOCENE AGE, DIAM 12 IN, DEPTH 1442 FT, SCREENED 1352-1442. MP LOWER EDGE OF OVERFLOW, 0.78 FT ABOVE LSD.
 LSD 105.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 33.40 ABOVE LSD, MAR. 16, 1950.
 LOWEST WATER LEVEL 70.14 BELOW LSD, JULY 1, 1977.
 RECORDS AVAILABLE 1950, 1952-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 20, 1976	42.96	APR. 6, 1977	50.98	JUNE 13, 1977	63.42	JULY 21, 1977	58.22
OCT. 28	44.40	MAY 16	50.28	JULY 1	70.14B	AUG. 31	51.80
JAN. 5, 1977	47.54	MAY 26	54.95	JULY 15	57.12	SEP. 22	50.92
FEB. 24	50.42						

304107089523401 LOCAL WELL NUMBER: WA-43

OWNER: V. A. TALLEY. (SEC. 49, T. 4S., R. 13E.) DRILLED DOMESTIC ARTESIAN WELL IN SAND OF PLEISTOCENE AGE, DIAM 2 IN, DEPTH 420 FT, SCREENED INTERVAL UNKNOWN. MP TOP OF VALVE, 1.4 FT ABOVE LSD.
 LSD 71.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 31.00 ABOVE LSD, SEP. 12, 1950.
 LOWEST WATER LEVEL 9.00 ABOVE LSD, JULY 8, 1976.
 RECORDS AVAILABLE 1950-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 10, 1976	+9.40	JAN. 6, 1977	+12.50	JUNE 13, 1977	+13.30	AUG. 31, 1977	+12.40
NOV. 8	+9.80	FEB. 24	+14.40	JULY 21	+13.30	SEP. 22	+13.40
NOV. 16	+12.10	MAY 16	13.80				

305124090093401 LOCAL WELL NUMBER: WA-57

OWNER: TOWN OF FRANKLINTON. (SEC. 45, T. 2S., R. 10E.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN HYDRAULIC ZONE 3 SAND 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 ABOVE MSL.
 HIGHEST WATER LEVEL 20.76 BELOW LSD, AUG. 26, 1957.
 LOWEST WATER LEVEL 54.18 BELOW LSD, SEP. 22, 1977.
 RECORDS AVAILABLE 1957-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 19, 1976	43.01	FEB. 17, 1977	40.44	JUNE 14, 1977	53.12	AUG. 24, 1977	52.10
OCT. 29	40.89	APR. 6	44.58	JULY 20	47.13	SEP. 22	54.18
JAN. 6, 1977	41.48	MAY 16	41.51				

See footnotes at end of table.

GROUND-WATER LEVELS

WASHINGTON PARISH

305515090194101 LOCAL WELL NUMBER: WA-91

OWNER: U.S. GEOL. SURVEY. (SEC. 32, T. 15., R. 9E.) DRILLED OBSERVATION ARTESIAN WELL IN HYDRAULIC ZONE 2 SAND OF MIO-PLIOCENE AGE, DIAM 2 IN, DEPTH 600 FT, SCREENED 580-600. MP TOP OF 2-IN CASING, 0.2 FT ABOVE LSD.
 LSD 240.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 12.10 BELOW LSD, SEP. 24, 1975.
 LOWEST WATER LEVEL 14.86 BELOW LSD, AUG. 24, 1977.
 RECORDS AVAILABLE 1975-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
OCT. 19, 1976	14.34	FEB. 17, 1977	14.69	APR. 6, 1977	14.73	AUG. 24, 1977	14.86
NOV. 17	14.67	MAR. 15	14.65	MAY 16	14.71	SEP. 22	14.83

304709090121502 LOCAL WELL NUMBER: WA-103

OWNER: LSU SOUTHEAST EXPERIMENT STATION. (SEC. 16, T. 35., R. 10E.) DRILLED UNUSED ARTESIAN WELL IN QUATERNARY UPLAND DEPOSITS, DIAM 6 IN, DEPTH 170 FT, SCREENED 140-170. MP TOP OF FLANGE, 0.8 FT ABOVE LSD.
 LSD 225.00 FT ABOVE MSL.
 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
OCT. 19, 1976	66.77	FEB. 17, 1977	67.40	MAY 16, 1977	67.02	SEP. 22, 1977	66.85
NOV. 17	66.90	APR. 6	67.84	AUG. 24	67.28		

WEST BATON ROUGE PARISH

302732091121901 LOCAL WELL NUMBER: WBR-5

OWNER: TOWN OF PORT ALLEN. (SEC. 66, T. 7S., R. 12E.) DRILLED UNUSED ARTESIAN WELL IN SAND ("1,200-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 ABOVE MSL.
 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, 1976	103.14	FEB. 28, 1977	101.78	JUNE 24, 1977	101.94	SEP. 2, 1977	103.24
JAN. 25, 1977	95.41	MAY 16	103.08	JULY 26	100.92	SEP. 22	105.70

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 1245-1290, 1305-1360. MP TOP OF 3/4-IN BREATHER PIPE IN FLANGE ATOP CASING, 1.00 FT ABOVE LSD.
 LSD 29.00 FT ABOVE MSL.
 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. 17, 1976	97.55	DEC. 20, 1976	83.20	APR. 19, 1977	98.00	MAY 25, 1977	103.05

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 1235-1288, 1318-1335, 1340-1356. MP TOP OF 3/4-IN BREATHER IN FLANGE ATOP CASING, 1.00 FT ABOVE LSD.
 LSD 27.00 FT ABOVE MSL.
 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. 17, 1976	96.40	DEC. 20, 1976	90.65	APR. 19, 1977	99.50	MAY 25, 1977	102.85

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 ABOVE MSL.
 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
NOV. 16, 1976	264.20	FEB. 24, 1977	273.75	APR. 19, 1977	254.70	JULY 29, 1977	277.40

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 OF 4-IN CASING, 0.85 FT ABOVE LSD. LSD 17.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 26.50 ABOVE LSD, JULY 22, 1964,
 LOWEST WATER LEVEL 58.08 BELOW LSD, FEB. 24, 1977.
 RECORDS AVAILABLE 1964-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1976	37.68	FEB. 24, 1977	58.08	MAY 25, 1977	40.08	AUG. 4, 1977	42.83
DEC. 15	40.33	APR. 29	36.38				

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 ABOVE MSL.
 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. 17, 1976	117.60	FEB. 24, 1977	124.50	APR. 19, 1977	126.15	JULY 29, 1977	123.70
DEC. 20	129.12						

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 ABOVE MSL.
 HIGHEST WATER LEVEL 87.97 BELOW LSD, MAY 17, 1966,
 LOWEST WATER LEVEL 164.78 BELOW LSD, NOV. 14, 1973.
 RECORDS AVAILABLE 1966-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 17, 1976	159.35	DEC. 20	154.20	APR. 19, 1977	156.80		

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 OF 3/8-IN HOLE IN CAP, 1.02 FT ABOVE LSD. LSD 19.00 FT ABOVE MSL.
 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
NOV. 17, 1976	73.35	FEB. 24, 1977	72.38	APR. 29, 1977	73.28	JULY 29, 1977	74.38
DEC. 17	70.00						

GROUND-WATER LEVELS
WEST BATON ROUGE PARISH

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 ABOVE MSL.
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. 17, 1976	57.25	DEC. 17	55.05	APR. 29, 1977	56.59		

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 ABOVE MSL.
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. 17, 1976	175.30	DEC. 17	174.68	APR. 29, 1977	174.15		

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 ABOVE MSL.
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
NOV. 17, 1976	259.74	FEB. 24, 1977	267.72	APR. 19, 1977	256.72	JULY 29, 1977	272.72

WEST FELICIANA PARISH

305641091341201 LOCAL WELL NUMBER: WF-22

OWNER: LA. STATE PENAL FARM. (SEC. 5, 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 ABOVE MSL.
HIGHEST WATER LEVEL 15.90 ABOVE LSD, APR. 3, 1959,
LOWEST WATER LEVEL 5.31 BELOW LSD, NOV. 2, 1976.
RECORDS AVAILABLE 1956, 1958-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1976	5.31	MAR. 28, 1977	4.58				

305636091341501 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 MIO-PLIOCENE 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 55.00 FT ABOVE MSL.
HIGHEST WATER LEVEL 23.90 ABOVE LSD, MAY 8, 1958,
LOWEST WATER LEVEL 3.13 BELOW LSD, NOV. 2, 1976.
RECORDS AVAILABLE 1956, 1958-59, 1963-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 2, 1976	3.13	MAR. 28, 1977	+1.87				

See footnotes at end of table.

304933091221001 LOCAL WELL NUMBER: WF-188

OWNER: U. S. GEOL. SURVEY. (SEC. 69, T. 2S., R. 3W.) DRILLED OBSERVATION WATER-TABLE WELL IN QUATERNARY UPLAND DEPOSITS OF PLEISTOCENE AGE, DIAM 1.25 IN, DEPTH 55 FT, SCREENED 52-55 FT. MP TOP OF 1.25-IN CASING, 0.2 FT ABOVE LSD.
 LSD 117.00 FT ABOVE MSL.
 HIGHEST WATER LEVEL 12.72 BELOW LSD, APR. 2, 1976,
 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. 2, 1976	14.21	FEB. 22, 1977	14.03	MAR. 28, 1977	13.58	JULY 18, 1977	13.89

304704091223801 LOCAL WELL NUMBER: WF-222

OWNER: TOWN OF ST. FRANCISVILLE. (SEC. 68, T. 3S., R. 3W.) DRILLED PUBLIC-SUPPLY ARTESIAN WELL IN "2800-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 ABOVE MSL.
 HIGHEST WATER LEVEL 59.64 BELOW LSD, APR. 16, 1962,
 LOWEST WATER LEVEL 119.32 BELOW LSD, APR. 12, 1976.
 RECORDS AVAILABLE 1961-CURRENT YEAR.

DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL	DATE	WATER LEVEL
NOV. 4, 1976	109.32	FEB. 22, 1977	107.74	MAR. 28, 1977	107.11	JULY 18, 1977	110.86

- + Above land-surface datum.
- B Pumped recently.
- C Nearby wells or wells being pumped.
- H Tape measurement (recorder).

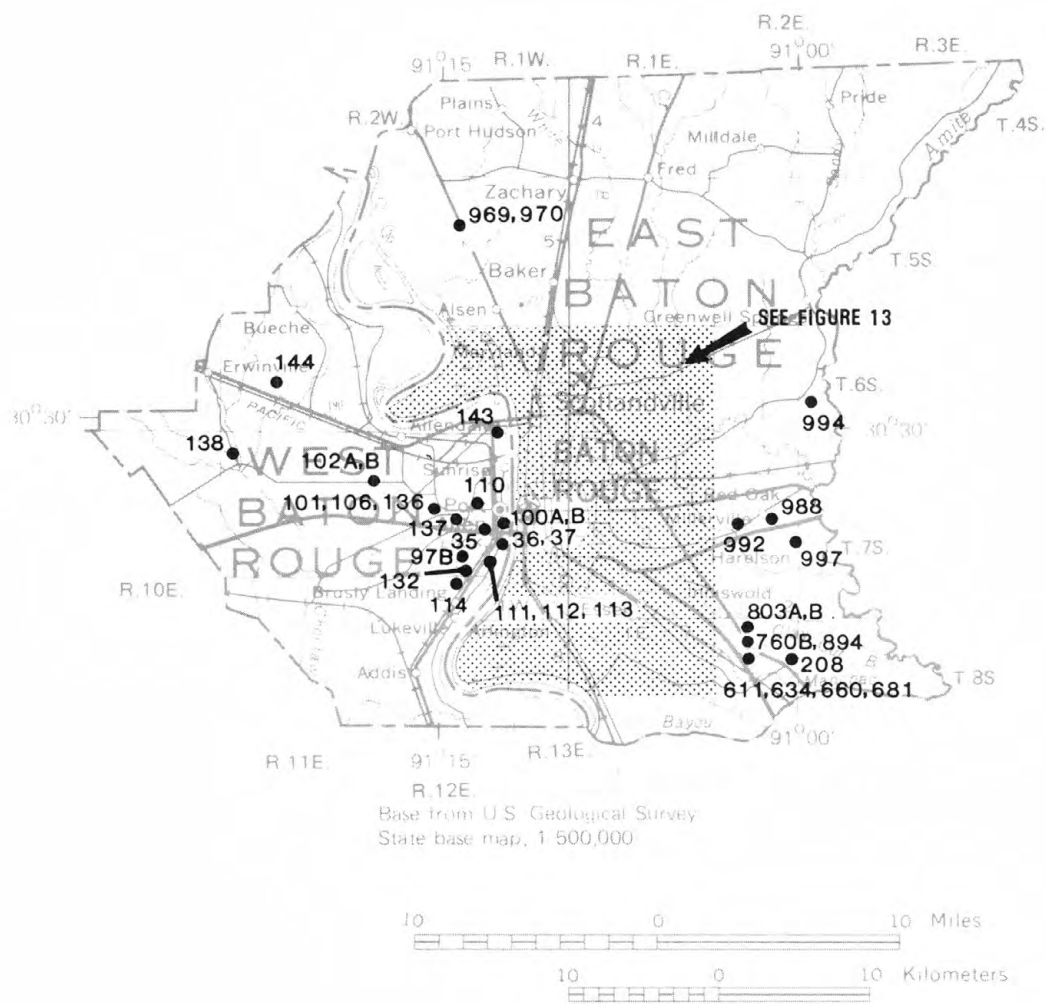


Figure 12. — Location of wells for which water-quality data are included, East Baton Rouge and West Baton Rouge Parishes [except for wells located in the shaded area (see fig. 13)].

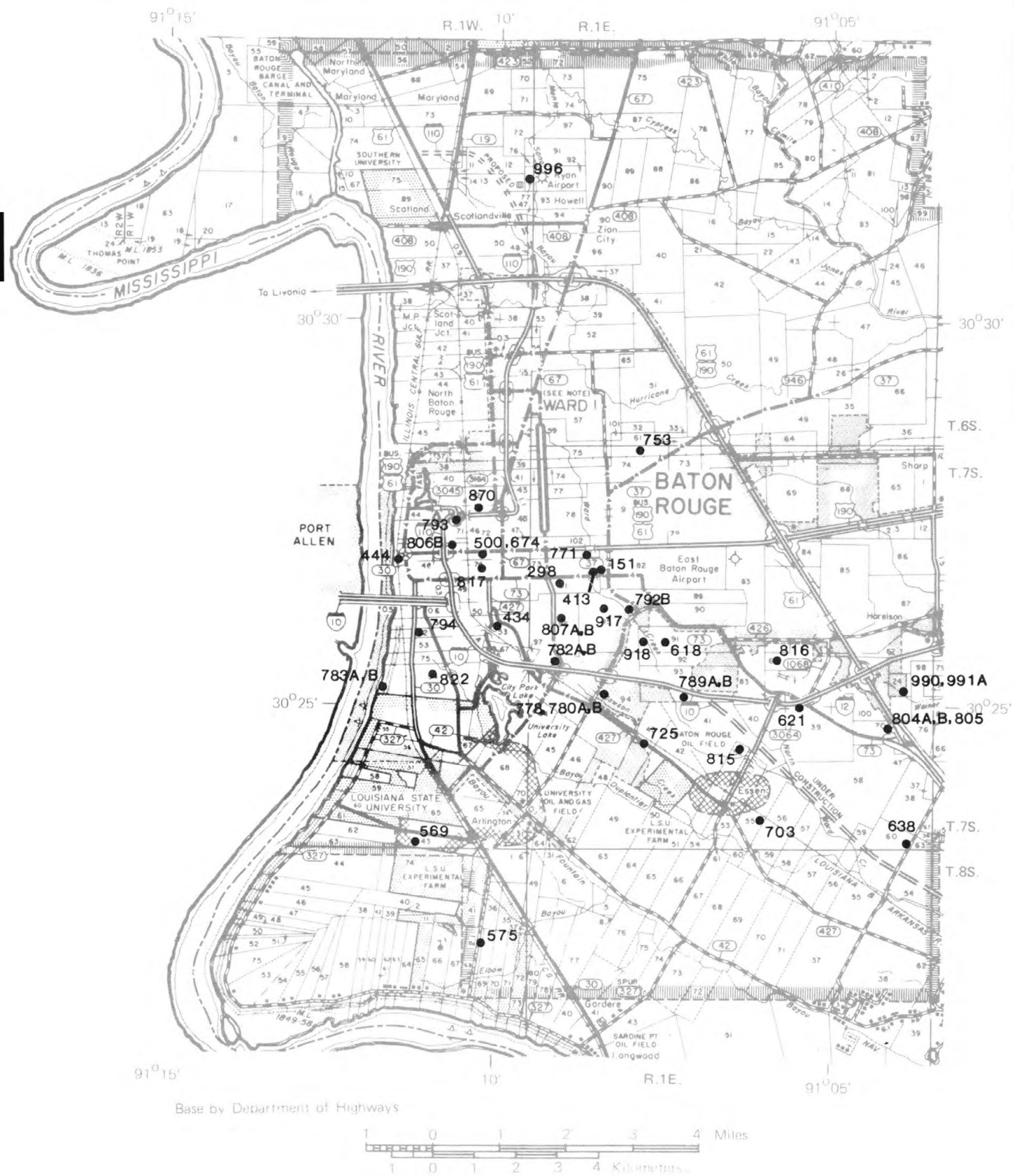


Figure 13. — Location of wells for which water-quality data are included in the shaded area shown in figure 12, East Baton Rouge Parish.

CHEMICAL ANALYSES, OCTOBER 1976 TO SEPTEMBER 1977

LOCAL IDENT- IFIER	STATION	NUMBER	GEO- LOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)
EAST BATON ROUGE PARISH										
EB- 151	7S	1E	80	302641091085801	12220BR	2658	76-12-20	1050	357	--
EB- 208	8S	2E	38	302141091002901	11204BR	650	76-12-21	1345	594	--
EB- 298	7S	1E	81	302638091090801	12112BR	1387	76-12-09	0840	386	--
EB- 413	7S	1E	80	302642091083201	12115BR	1745	76-12-20	1055	322	--
EB- 434	7S	1W	49	302619091104003	11206BR	611	76-12-08	1435	623	--
					11206BR	611	77-05-31	1010	618	--
EB- 444	7S	1W	48	302655091112401	12220BR	2172	76-12-20	1110	396	--
EB- 500	7S	1W	46	302654091101101	11206BR	710	76-12-07	1610	10400	--
					11206BR	710	77-05-24	1340	10700	--
EB- 569	7S	1W	65	302312091111701	12115BR	2170	76-12-20	1435	1490	--
EB- 575	8S	1W	68	302149091101401	12220BR	2500	76-12-20	1415	1250	--
EB- 611	8S	2E	50	302149091012401	11204BR	600	76-12-21	1300	947	--
EB- 618	7S	1E	91	302549091073102	12112BR	1278	76-12-20	1505	333	--
EB- 621	7S	1E	39	302500091052501	12115BR	1487	76-12-20	1125	346	--
EB- 634	8S	2E	50	302146091012701	11204BR	600	76-12-21	1320	967	--
EB- 638	7S	1E	60	302315091034701	11204BR	625	76-12-20	1140	1080	--
EB- 660	8S	2E	51	302140091011701	1125LBR	295	76-12-21	1330	757	--
EB- 674	7S	1W	48	302656091101301	12220BR	2250	76-12-21	1130	403	--
EB- 681	8S	2E	50	302147091012301	1125LBR	289	76-12-21	1305	757	--
EB- 703	7S	1E	55	302339091061501	11204BR	695	76-12-20	1150	1070	--
EB- 725	7S	1E	43	302431091074601	11204BR	598	76-12-20	1350	422	--
EB- 753	7S	1E	74	302817091075401	12108BR	806	77-03-03	1400	333	--
EB- 760B	8S	2E	5	302250091021202	11204BR	640	76-12-21	1405	758	--
EB- 771	7S	1E	80	302646091083801	12115BR	1739	76-12-20	1055	311	--
EB- 778	7S	1E	94	302509091082701	12220BR	2586	76-12-09	1655	1010	--
					12220BR	2586	77-05-24	1410	1030	--
EB- 780A	7S	1E	94	302509091082702	12112BR	1622	76-12-09	1415	2710	8.8
EB- 780B	7S	1E	94	302509091082703	12115BR	1913	76-12-09	1340	1730	--
					12115BR	1913	77-05-27	1240	1730	8.4
EB- 782A	7S	1E	94	302535091090402	12110BR	1189	76-12-17	0925	1670	--
					12110BR	1189	77-05-26	1145	1700	--
EB- 782B	7S	1E	94	302535091090403	12115BR	1681	76-12-17	0930	1640	--
					12115BR	1681	77-05-26	1200	2030	8.3
EB- 783A	7S	1W	54	302502091113601	12115BR	2179	76-12-14	1145	527	--
					12115BR	2179	77-05-31	1205	539	--
EB- 783B	7S	1W	54	302502091113602	12220BR	2675	76-12-14	1225	3270	--
					12220BR	2675	77-05-31	1220	3390	--
EB- 789A	7S	1E	93	302511091070401	11204BR	711	76-12-10	1345	1210	--
					11204BR	711	77-05-26	1410	1210	--
EB- 789B	7S	1E	93	302511091070402	12115BR	1721	76-12-10	1355	2580	--

Geological unit (aquifer):

- 111PNBR - Point-bar deposits, Holocene age.
- 112GRMC - Gramercy aquifer, Pleistocene age.
- 112MRVA - Mississippi River alluvial aquifer, Pleistocene age.
- 112NORC - Norco aquifer, Pleistocene age.
- 112SLBR - Shallow sands of Baton Rouge area, Pleistocene age.
- 112UPTC - Upland terrace deposits, Pleistocene age.
- 11204BR - "400-foot" sand of Baton Rouge-Gonzales area, Pleistocene age.
- 11206BR - "600-foot" sand of Baton Rouge-Gonzales area, Pleistocene age.
- 121EVGL - Evangeline aquifer, Plio-Miocene age.
- 12101FP - Zone 1 Florida Parishes and Pointe Coupee Parish, Pliocene age.
- 12102FP - Zone 2 Florida Parishes and Pointe Coupee Parish, Pliocene age.
- 12108BR - "800-foot" sand of Baton Rouge area, Pliocene age.
- 12110BR - "1000-foot" sand of Baton Rouge area, Pliocene age.
- 12112BR - "1200-foot" sand of Baton Rouge area, Pliocene age.
- 12115BR - "1500-foot" sand of Baton Rouge area, Pliocene age.
- 12117BR - "1700-foot" sand of Baton Rouge area, Pliocene age.
- 122BLCK - Blounts Creek Member of Fleming Formation, Miocene age.
- 12203FP - Zone 3 Florida Parishes and Pointe Coupee Parish, Miocene age.
- 12220BR - "2000-foot" sand of Baton Rouge area, Miocene age.
- 12224BR - "2400-foot" sand of Baton Rouge area, Miocene age.
- 12228BR - "2800-foot" sand of Baton Rouge area, Miocene age.

LOCAL IDENT- IFIER	DATE OF SAMPLE	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)
EAST BATON ROUGE PARISH--Continued										
EB- 151	7S 1E 80	76-12-20	2	--	--	--	--	--	--	--
EB- 208	8S 2E 38	76-12-21	69	--	--	--	--	--	--	--
EB- 298	7S 1E 81	76-12-09	9	--	--	--	--	--	--	--
EB- 413	7S 1E 80	76-12-20	2	--	--	--	--	--	--	--
EB- 434	7S 1W 49	76-12-08	52	--	--	--	--	--	--	--
		77-05-31	46	--	--	--	--	--	--	--
EB- 444	7S 1W 48	76-12-20	4	--	--	--	--	--	--	--
EB- 500	7S 1W 46	76-12-07	1700	1600	--	--	--	--	--	100
		77-05-24	1700	--	--	--	--	--	--	--
EB- 569	7S 1W 65	76-12-20	10	--	--	--	--	--	--	--
EB- 575	8S 1W 68	76-12-20	1	--	--	--	--	--	--	--
EB- 611	8S 2E 50	76-12-21	30	--	--	--	--	--	--	--
EB- 618	7S 1E 91	76-12-20	2	--	--	--	--	--	--	--
EB- 621	7S 1E 39	76-12-20	9	--	--	--	--	--	--	--
EB- 634	8S 2E 50	76-12-21	25	--	--	--	--	--	--	--
EB- 638	7S 1E 60	76-12-20	30	--	--	--	--	--	--	--
EB- 660	8S 2E 51	76-12-21	9	--	--	--	--	--	--	--
EB- 674	7S 1W 48	76-12-21	3	--	--	--	--	--	--	--
EB- 681	8S 2E 50	76-12-21	98	--	--	--	--	--	--	--
EB- 703	7S 1E 55	76-12-20	47	--	--	--	--	--	--	--
EB- 725	7S 1E 43	76-12-20	24	--	--	--	--	--	--	--
EB- 753	7S 1E 74	77-03-03	18	--	--	--	--	--	--	--
EB- 760B	8S 2E 5	76-12-21	20	--	--	--	--	--	--	--
EB- 771	7S 1E 80	76-12-20	3	--	--	--	--	--	--	--
EB- 778	7S 1E 94	76-12-09	3	--	--	--	--	--	--	--
		77-05-24	0	0	.0	.0	230	100	--	1.0 303
EB- 780A	7S 1E 94	76-12-09	110	--	--	--	--	--	--	--
EB- 780B	7S 1E 94	76-12-09	14	--	--	--	--	--	--	--
		77-05-27	10	0	4.0	.0	370	99	51	1.6 365
EB- 782A	7S 1E 94	76-12-17	14	--	--	--	--	--	--	--
		77-05-26	15	--	--	--	--	--	--	--
EB- 782B	7S 1E 94	76-12-17	62	--	--	--	--	--	--	--
		77-05-26	82	0	26	4.1	390	91	19	1.6 172
EB- 783A	7S 1W 54	76-12-14	2	--	--	--	--	--	--	--
		77-05-31	3	--	--	--	--	--	--	--
EB- 783B	7S 1W 54	76-12-14	10	--	--	--	--	--	--	--
		77-05-31	8	--	--	--	--	--	--	--
EB- 789A	7S 1E 93	76-12-10	30	--	--	--	--	--	--	--
		77-05-26	29	--	--	--	--	--	--	--
EB- 789B	7S 1E 93	76-12-10	70	--	--	--	--	--	--	--

LOCAL IDENTIFIER				DATE OF SAMPLE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)
EAST BATON ROUGE PARISH--Continued												
EB- 151	7S	1E	80	76-12-20	--	--	--	--	4.0	--	--	--
EB- 208	8S	2E	38	76-12-21	--	--	--	--	14	--	--	--
EB- 298	7S	1E	81	76-12-09	--	--	--	--	4.2	--	--	--
EB- 413	7S	1E	80	76-12-20	--	--	--	--	5.6	--	--	--
EB- 434	7S	1W	49	76-12-08	--	--	--	--	110	--	--	--
				77-05-31	--	--	--	--	100	--	--	--
EB- 444	7S	1W	48	76-12-20	--	--	--	--	2.3	--	--	--
EB- 500	7S	1W	46	76-12-07	0	82	--	--	3400	--	--	--
				77-05-24	--	--	--	--	3300	--	--	--
EB- 569	7S	1W	65	76-12-20	--	--	--	--	280	--	--	--
EB- 575	8S	1W	68	76-12-20	--	--	--	--	230	--	--	--
EB- 611	8S	2E	50	76-12-21	--	--	--	--	190	--	--	--
EB- 618	7S	1E	91	76-12-20	--	--	--	--	4.2	--	--	--
EB- 621	7S	1E	39	76-12-20	--	--	--	--	6.0	--	--	--
EB- 634	8S	2E	50	76-12-21	--	--	--	--	200	--	--	--
EB- 638	7S	1E	60	76-12-20	--	--	--	--	230	--	--	--
EB- 660	8S	2E	51	76-12-21	--	--	--	--	18	--	--	--
EB- 674	7S	1W	48	76-12-21	--	--	--	--	5.0	--	--	--
EB- 681	8S	2E	50	76-12-21	--	--	--	--	16	--	--	--
EB- 703	7S	1E	55	76-12-20	--	--	--	--	240	--	--	--
EB- 725	7S	1E	43	76-12-20	--	--	--	--	38	--	--	--
EB- 753	7S	1E	74	77-03-03	--	--	--	--	3.7	--	--	--
EB- 760B	8S	2E	5	76-12-21	--	--	--	--	130	--	--	--
EB- 771	7S	1E	80	76-12-20	--	--	--	--	5.2	--	--	--
EB- 778	7S	1E	94	76-12-09	--	--	--	--	160	--	--	--
				77-05-24	17	277	.9	2.8	150	.6	18	615
EB- 780A	7S	1E	94	76-12-09	--	--	--	--	740	--	--	--
EB- 780B	7S	1E	94	76-12-09	--	--	--	--	360	--	--	--
				77-05-27	5	308	2.4	.2	360	1.0	24	962
EB- 782A	7S	1E	94	76-12-17	--	--	--	--	400	--	--	--
				77-05-26	--	--	--	--	400	--	--	--
EB- 782B	7S	1E	94	76-12-17	--	--	--	--	420	--	--	--
				77-05-26	0	141	1.4	5.6	530	.3	25	1060
EB- 783A	7S	1W	54	76-12-14	--	--	--	--	55	--	--	--
				77-05-31	--	--	--	--	54	--	--	--
EB- 783B	7S	1W	54	76-12-14	--	--	--	--	670	--	--	--
				77-05-31	--	--	--	--	720	--	--	--
EB- 789A	7S	1E	93	76-12-10	--	--	--	--	280	--	--	--
				77-05-26	--	--	--	--	260	--	--	--
EB- 789B	7S	1E	93	76-12-10	--	--	--	--	710	--	--	--

LOCAL IDENT- IFIER	DATE OF SAMPLE	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NITRATE (NO3) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)
EAST BATON ROUGE PARISH--Continued					
EB- 151	7S 1E 80	76-12-20	--	--	--
EB- 208	8S 2E 38	76-12-21	--	--	--
EB- 298	7S 1E 81	76-12-09	--	--	--
EB- 413	7S 1E 80	76-12-20	--	--	--
EB- 434	7S 1W 49	76-12-08	--	--	--
		77-05-31	--	--	--
EB- 444	7S 1W 48	76-12-20	--	--	--
EB- 500	7S 1W 46	76-12-07	--	--	--
		77-05-24	--	--	--
EB- 569	7S 1W 65	76-12-20	--	--	--
EB- 575	8S 1W 68	76-12-20	--	--	--
EB- 611	8S 2E 50	76-12-21	--	--	--
EB- 618	7S 1E 91	76-12-20	--	--	--
EB- 621	7S 1E 39	76-12-20	--	--	--
EB- 634	8S 2E 50	76-12-21	--	--	--
EB- 638	7S 1E 60	76-12-20	--	--	--
EB- 660	8S 2E 51	76-12-21	--	--	--
EB- 674	7S 1W 48	76-12-21	--	--	--
EB- 681	8S 2E 50	76-12-21	--	--	--
EB- 703	7S 1E 55	76-12-20	--	--	--
EB- 725	7S 1E 43	76-12-20	--	--	--
EB- 753	7S 1E 74	77-03-03	--	80	55
EB- 760B	8S 2E 5	76-12-21	--	--	--
EB- 771	7S 1E 80	76-12-20	--	--	--
EB- 778	7S 1E 94	76-12-09	--	--	--
		77-05-24	569	.12	10
EB- 780A	7S 1E 94	76-12-09	--	--	--
EB- 780B	7S 1E 94	76-12-09	--	--	--
		77-05-27	942	.11	40
EB- 782A	7S 1E 94	76-12-17	--	--	--
		77-05-26	--	--	--
EB- 782B	7S 1E 94	76-12-17	--	--	--
		77-05-26	1070	.00	0
EB- 783A	7S 1W 54	76-12-14	--	--	--
		77-05-31	--	--	--
EB- 783B	7S 1W 54	76-12-14	--	--	--
		77-05-31	--	--	--
EB- 789A	7S 1E 93	76-12-10	--	--	--
		77-05-26	--	--	--
EB- 789B	7S 1E 93	76-12-10	--	--	--

LOCAL IDENTIFIER				STATION	NUMBER	GEO-LOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICROMHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)
EAST BATON ROUGE PARISH--Continued													
EB- 789B	7S	1E	93	302511091070402	12115BR	1721	77-05-26	1420	2670	8.0	--	--	5
EB- 792B	7S	1E	95	302605091080602	12220BR	2286	76-12-09	1155	399	--	--	--	--
EB- 793	7S	1W	45	302719091103201	11206BR	687	76-12-07	1355	443	--	--	--	--
					11206BR	687	76-12-22	0945	336	--	--	--	--
					11206BR	687	77-05-24	1040	335	--	--	--	--
EB- 794	7S	1W	52	302559091110801	12224BR	2709	76-12-14	1055	477	--	--	--	--
					12224BR	2709	77-05-25	1150	479	--	--	--	--
EB- 803A	8S	2E	5	302306091022601	12115BR	1975	77-06-01	1535	906	--	--	--	--
EB- 803B	8S	2E	5	302306091022602	12220BR	2565	76-12-15	1405	2000	--	--	--	--
					12220BR	2565	77-06-01	0945	2060	--	--	--	--
EB- 804A	7S	1E	70	302428091035001	12117BR	1950	76-12-10	1130	387	--	--	--	--
EB- 804B	7S	1E	70	302428091035002	12224BR	2762	76-12-10	1130	431	--	--	--	--
EB- 805	7S	1E	70	302428091035003	12110BR	1072	76-12-10	1205	12100	--	--	--	--
					12110BR	1072	77-05-31	1405	12700	--	--	--	--
EB- 806B	7S	1W	45	302702091103902	12224BR	2579	76-12-08	1110	448	--	--	--	--
EB- 807A	7S	1E	96	302611091091201	12115BR	1713	76-12-15	1100	1230	--	--	--	--
					12115BR	1713	77-05-27	1050	1310	8.0	--	--	5
EB- 807B	7S	1E	96	302611091091202	12220BR	2264	76-12-15	1135	377	--	--	--	--
					12220BR	2264	77-05-27	1105	375	8.1	--	--	15
EB- 815	7S	1E	52	302425091062301	11204BR	645	76-12-20	1330	342	--	--	--	--
EB- 816	7S	1E	62	302534091054501	11204BR	520	76-12-21	1010	323	--	--	--	--
EB- 817	7S	1W	45	302644091101801	12220BR	2284	76-12-20	1105	335	--	--	--	--
EB- 822	7S	1W	54	302510091105003	11204BR	573	76-12-15	0835	2830	--	--	--	--
EB- 870	7S	1W	44	302729091100601	11206BR	692	76-12-07	1255	292	--	--	--	--
					11206BR	692	77-05-27	1515	295	--	--	--	--
EB- 894	8S	2E	5	302251091021201	1125LBR	519	76-12-21	1400	364	--	--	--	--
EB- 917	7S	1E	95	302614091083001	12115BR	1736	76-12-09	1000	309	--	--	--	--
					12115BR	1736	77-05-26	1030	310	--	--	--	--
EB- 918	7S	1E	91	302547091074401	12115BR	1834	76-12-10	0940	309	--	--	--	--
					12115BR	1834	77-05-27	1415	315	--	--	--	--
EB- 969	5S	1W	79	303645091135301	12115BR	1130	77-02-10	1130	182	6.8	--	--	--
EB- 970	5S	1W	79	303646091135601	12115BR	1132	77-02-10	--	184	7.3	--	--	--
EB- 988	7S	2E	17	302618091014201	11204BR	390	77-02-24	1500	221	6.6	22.5	20	20
					11204BR	390	77-03-24	1450	--	--	--	--	--
EB- 990	7S	1E	24	302509091035301	12115BR	1450	77-03-24	1610	312	8.6	28.0	5	5
EB- 991A	7S	1E	24	302508091035401	11204BR	520	77-04-21	1120	268	7.2	--	--	--
EB- 992	7S	2E	38	302634091022101	11204BR	470	77-05-02	1245	232	6.3	21.5	--	--
					11204BR	470	77-05-05	1430	210	6.5	22.0	0	0
EB- 994	6S	2E	44	303105090594801	12117BR	1710	77-07-01	1030	239	8.0	29.0	5	5
EB- 996	6S	1W	77	303149091093301	12115BR	1400	77-07-07	1100	297	8.7	27.5	--	--

LOCAL IDENT- IFIER				DATE OF SAMPLE	HARD- NESS (CA+MG) (MG/L)	NON- CAR- BONATE HARD- NESS (MG/L)	DIS- SOLVED CAL- CIUM (CA) (MG/L)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L)	DIS- SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM AD- SORP- TION RATIO	DIS- SOLVED PO- TAS- SIUM (K) (MG/L)	BICAR- BONATE (HCO3) (MG/L)
EAST BATON ROUGE PARISH--Continued													
EB- 789B	7S	1E	93	77-05-26	65	0	25	.6	510	94	28	2.6	183
EB- 792B	7S	1E	95	76-12-09	5	--	--	--	--	--	--	--	--
EB- 793	7S	1W	45	76-12-07	30	0	--	--	--	--	--	--	212
				76-12-22	16	--	--	--	--	--	--	--	--
				77-05-24	23	--	--	--	--	--	--	--	--
EB- 794	7S	1W	52	76-12-14	28	--	--	--	--	--	--	--	--
				77-05-25	22	--	--	--	--	--	--	--	--
EB- 803A	8S	2E	5	77-06-01	4	--	--	--	--	--	--	--	--
EB- 803B	8S	2E	5	76-12-15	22	--	--	--	--	--	--	--	--
				77-06-01	25	--	--	--	--	--	--	--	--
EB- 804A	7S	1E	70	76-12-10	4	--	--	--	--	--	--	--	--
EB- 804B	7S	1E	70	76-12-10	3	--	--	--	--	--	--	--	--
EB- 805	7S	1E	70	76-12-10	1600	--	--	--	--	--	--	--	--
				77-05-31	1600	--	--	--	--	--	--	--	--
EB- 806B	7S	1W	45	76-12-08	6	--	--	--	--	--	--	--	--
EB- 807A	7S	1E	96	76-12-15	15	--	--	--	--	--	--	--	--
				77-05-27	9	0	3.0	.4	270	98	39	1.1	218
EB- 807B	7S	1E	96	76-12-15	4	--	--	--	--	--	--	--	--
				77-05-27	0	0	.0	.0	92	100	--	.6	232
EB- 815	7S	1E	52	76-12-20	6	--	--	--	--	--	--	--	--
EB- 816	7S	1E	62	76-12-21	12	--	--	--	--	--	--	--	--
EB- 817	7S	1W	45	76-12-20	6	--	--	--	--	--	--	--	--
EB- 822	7S	1W	54	76-12-15	340	--	--	--	--	--	--	--	--
EB- 870	7S	1W	44	76-12-07	16	--	--	--	--	--	--	--	--
				77-05-27	18	--	--	--	--	--	--	--	--
EB- 894	8S	2E	5	76-12-21	13	--	--	--	--	--	--	--	--
EB- 917	7S	1E	95	76-12-09	1	--	--	--	--	--	--	--	--
				77-05-26	0	--	--	--	--	--	--	--	--
EB- 918	7S	1E	91	76-12-10	3	--	--	--	--	--	--	--	--
				77-05-27	6	--	--	--	--	--	--	--	--
EB- 969	5S	1W	79	77-02-10	15	--	--	--	--	--	--	--	--
EB- 970	5S	1W	79	77-02-10	18	--	--	--	--	--	--	--	--
EB- 988	7S	2E	17	77-02-24	42	0	10	4.1	33	61	2.2	2.7	128
				77-03-24	--	--	--	--	--	--	--	--	--
EB- 990	7S	1E	24	77-03-24	2	0	.8	.0	75	98	23	.4	166
EB- 991A	7S	1E	24	77-04-21	7	--	--	--	--	--	--	--	--
EB- 992	7S	2E	38	77-05-02	42	--	--	--	--	--	--	--	--
				77-05-05	40	0	13	1.8	30	60	2.1	3.1	120
EB- 994	6S	2E	44	77-07-01	5	0	1.8	.1	53	94	10	1.6	135
EB- 996	6S	1W	77	77-07-07	2	0	1.0	.0	67	97	18	1.3	163

LOCAL IDENTIFIER				DATE OF SAMPLE	CARBONATE (CO3) (MG/L)	ALKALINITY AS CaCO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLORIDE (CL) (MG/L)	DIS-SOLVED FLUORIDE (F) (MG/L)	DIS-SOLVED SILICA (SiO2) (MG/L)	DIS-SOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)
EAST BATON ROUGE PARISH--Continued												
EB- 789B	7S	1E	93	77-05-26	0	150	2.9	1.0	720	.2	18	--
EB- 792B	7S	1E	95	76-12-09	--	--	--	--	10	--	--	--
EB- 793	7S	1W	45	76-12-07	0	174	--	--	4.2	--	--	--
				76-12-22	--	--	--	--	7.0	--	--	--
				77-05-24	--	--	--	--	2.5	--	--	--
EB- 794	7S	1W	52	76-12-14	--	--	--	--	14	--	--	--
				77-05-25	--	--	--	--	8.1	--	--	--
EB- 803A	8S	2E	5	77-06-01	--	--	--	--	95	--	--	--
EB- 803B	8S	2E	5	76-12-15	--	--	--	--	490	--	--	--
				77-06-01	--	--	--	--	500	--	--	--
EB- 804A	7S	1E	70	76-12-10	--	--	--	--	2.7	--	--	--
EB- 804B	7S	1E	70	76-12-10	--	--	--	--	6.0	--	--	--
EB- 805	7S	1E	70	76-12-10	--	--	--	--	4000	--	--	--
				77-05-31	--	--	--	--	4000	--	--	--
EB- 806B	7S	1W	45	76-12-08	--	--	--	--	5.0	--	--	--
EB- 807A	7S	1E	96	76-12-15	--	--	--	--	300	--	--	--
				77-05-27	2	182	3.6	8.2	280	.2	25	711
EB- 807B	7S	1E	96	76-12-15	--	--	--	--	6.0	--	--	--
				77-05-27	0	190	2.9	11	3.2	.3	21	258
EB- 815	7S	1E	52	76-12-20	--	--	--	--	16	--	--	--
EB- 816	7S	1E	62	76-12-21	--	--	--	--	7.0	--	--	--
EB- 817	7S	1W	45	76-12-20	--	--	--	--	7.6	--	--	--
EB- 822	7S	1W	54	76-12-15	--	--	--	--	790	--	--	--
EB- 870	7S	1W	44	76-12-07	--	--	--	--	4.0	--	--	--
				77-05-27	--	--	--	--	1.8	--	--	--
EB- 894	8S	2E	5	76-12-21	--	--	--	--	6.8	--	--	--
EB- 917	7S	1E	95	76-12-09	--	--	--	--	4.6	--	--	--
				77-05-26	--	--	--	--	2.0	--	--	--
EB- 918	7S	1E	91	76-12-10	--	--	--	--	2.4	--	--	--
				77-05-27	--	--	--	--	2.0	--	--	--
EB- 969	5S	1W	79	77-02-10	--	--	--	--	11	--	--	--
EB- 970	5S	1W	79	77-02-10	--	--	--	--	5.8	--	--	--
EB- 988	7S	2E	17	77-02-24	0	105	51	2.6	9.0	.0	58	185
				77-03-24	--	--	--	--	--	--	--	--
EB- 990	7S	1E	24	77-03-24	10	153	.7	11	3.2	.0	6.0	196
EB- 991A	7S	1E	24	77-04-21	--	--	--	--	4.0	--	--	--
EB- 992	7S	2E	38	77-05-02	--	--	--	--	9.1	--	--	--
				77-05-05	0	98	61	2.4	7.1	.0	62	167
EB- 994	6S	2E	44	77-07-01	0	111	2.2	11	3.2	.2	62	193
EB- 996	6S	1W	77	77-07-07	6	144	.6	7.8	2.5	.2	37	192

LOCAL IDENT- I- FIER				DATE OF SAMPLE	DIS- SOLVED SOLIDS (SUM OF CONSTITU- ENTS) (MG/L)	TOTAL NITRATE (NO3) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)
EAST BATON ROUGE PARISH--Continued								
EB- 789B	7S	1E	93	77-05-26	1370	.00	0	55
EB- 792B	7S	1E	95	76-12-09	--	--	--	--
EB- 793	7S	1W	45	76-12-07	--	--	--	--
				76-12-22	--	--	--	--
				77-05-24	--	--	--	--
EB- 794	7S	1W	52	76-12-14	--	--	--	--
				77-05-25	--	--	--	--
EB- 803A	8S	2E	5	77-06-01	--	--	--	--
EB- 803B	8S	2E	5	76-12-15	--	--	--	--
				77-06-01	--	--	--	--
EB- 804A	7S	1E	70	76-12-10	--	--	--	--
EB- 804B	7S	1E	70	76-12-10	--	--	--	--
EB- 805	7S	1E	70	76-12-10	--	--	--	--
EB- 806B	7S	1W	45	77-05-31	--	--	--	--
				76-12-08	--	--	--	--
EB- 807A	7S	1E	96	76-12-15	--	--	--	--
				77-05-27	701	.00	10	32
EB- 807B	7S	1E	96	76-12-15	--	--	--	--
				77-05-27	242	.06	0	10
EB- 815	7S	1E	52	76-12-20	--	--	--	--
EB- 816	7S	1E	62	76-12-21	--	--	--	--
EB- 817	7S	1W	45	76-12-20	--	--	--	--
EB- 822	7S	1W	54	76-12-15	--	--	--	--
EB- 870	7S	1W	44	76-12-07	--	--	--	--
				77-05-27	--	--	--	--
EB- 894	8S	2E	5	76-12-21	--	--	--	--
EB- 917	7S	1E	95	76-12-09	--	--	--	--
				77-05-26	--	--	--	--
EB- 918	7S	1E	91	76-12-10	--	--	--	--
				77-05-27	--	--	--	--
EB- 969	5S	1W	79	77-02-10	--	--	--	--
EB- 970	5S	1W	79	77-02-10	--	--	--	--
EB- 988	7S	2E	17	77-02-24	182	.06	2200	330
				77-03-24	--	--	2500	280
EB- 990	7S	1E	24	77-03-24	189	.28	30	10
EB- 991A	7S	1E	24	77-04-21	--	--	77	--
EB- 992	7S	2E	38	77-05-02	--	--	1100	280
				77-05-05	179	.86	1100	260
EB- 994	6S	2E	44	77-07-01	200	.01	100	20
EB- 996	6S	1W	77	77-07-07	203	.00	20	0

LOCAL IDENT- IFIER	STATION	NUMBER	GEO- LOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	TIME	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS)	PH (UNITS)	TEMPER- ATURE (DEG C)	COLOR (PLAT- INUM- COBALT UNITS)
EAST BATON ROUGE PARISH--Continued										
EB- 997	7S	2E 10	302703091000201	112SLBR	295	77-07-15	1430	232	--	--
EAST FELCIANA PARISH										
EF- 251	2S	2E 89	305150091002502	12228BR	2014	77-06-20	1500	427	8.6	31.5
EF- 253	3S	1W 85	304548091130001	112UPTC	168	77-09-07	0930	106	--	--
IBERVILLE PARISH										
IB- 198	7S	9E 29	302926091310401	12220BR	2248	76-10-27	1145	519	--	--
IB- 231	9S	13E 3	301541091073101	112MRVA	370	77-05-06	1600	1230	7.6	--
IB- 232	9S	13E 3	301539091072801	112MRVA	370	77-05-06	1540	1380	7.8	--
IB- 253	10S	13E 24	301158091095801	--	200	77-02-10	--	397	--	0
IB- 254	10S	13E 22	301044091095701	--	185	77-02-10	--	426	--	0
IB- 255	10S	13E 23	301050091100101	112MRVA	185	77-02-10	--	362	7.8	--
IB- 256	10S	13E 26	301101091101701	112MRVA	175	77-02-10	--	330	7.9	--
POINTE COUPEE PARISH										
PC- 164	2S	8E 7	305240091404001	12203FP	1018	77-03-24	1340	399	--	--
PC- 169	4S	9E 24	304233091304201	12112BR	487	77-02-03	1130	2350	--	--
PC- 172A	6S	9E 63	303206091322202	12117BR	1437	76-10-20	1810	420	9.3	26.0
PC- 172B	6S	9E 63	303206091322203	12115BR	1146	76-11-16	1400	372	9.1	25.0
PC- 176	5S	11E 62	303840091200001	12117BR	1260	77-03-24	1120	289	--	--
PC- 177	4S	11E 16	304045091211601	112MRVA	200	77-03-24	0920	833	--	--
PC- 178	6S	8E 41	303154091370601	12112BR	1013	77-03-23	1400	1160	--	--
PC- 183	1S	7E 31	315835091474501	122BLCK	555	77-07-07	1400	791	78.0	22.5
PC- 185	6S	11E 87	303416091234301	12220BR	1492	77-06-29	1500	223	7.1	29.0
PC- 188	1S	7E 31	305802091465201	121EVGL	613	77-08-12	1215	794	7.4	23.5
ST. JAMES PARISH										
SJ- 18	12S	4E 40	300043090472701	112GRMC	285	77-04-14	1445	1000	--	--
SJ- 26	12S	17E 17	295920090455001	112GRMC	249	77-03-30	1450	1450	7.1	21.5
SJ- 122	11S	5E 85	300435090421602	112GRMC	196	77-04-27	1030	1750	--	20.5
SJ- 186	11S	5E 43	300433090403701	112GRMC	230	77-04-14	1200	1300	7.1	20.5
SJ- 205	12S	17E 14	300036090450301	112GRMC	248	77-03-23	1200	723	7.0	20.0
SJ- 207	12S	16E 13	300049090513001	--	--	77-03-30	1030	818	7.2	--
ST. JOHN THE BAPTIST PARISH										
SJB- 144	12S	18E 18	300232090390405	111PNBR	170	77-04-27	1340	1010	--	21.0
SJB- 145	12S	18E 18	300234090390301	112NORC	320	77-04-27	1420	1470	--	21.5
SJB- 165	10S	8E 5	301247090245901	12203FP	3000	77-07-29	1030	746	--	40.0
ST. TAMMANY PARISH										
ST- 545	6S	12E 32	302852090010601	12102FP	1598	77-04-04	1315	216	7.3	24.5
ST- 727	6S	11E 42	302859090042401	12203FP	2604	77-04-04	1100	211	8.0	33.0
TANGIPAHOA PARISH										
TA- 444	6S	7E 9	303243090301701	12101FP	710	77-08-09	0830	198	7.1	23.0
WASHINGTON PARISH										
WA- 15	3S	13E 38	304613089513201	12101FP	769	77-03-16	1230	117	6.8	23.5
WA- 18	2S	10E 46	305036090092101	12203FP	788	77-01-06	1417	79	6.2	20.5
WA- 33	3S	13E 38	304613089513202	12203FP	1500	77-01-07	0955	253	8.1	28.5
WA- 42	3S	13E 38	304640089512101	112UPTC	172	77-03-16	1200	167	5.5	21.5

LOCAL IDENTIFIER				DATE OF SAMPLE	HARDNESS (CA, MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
EAST BATON ROUGE PARISH--Continued													
EB- 997	7S	2E	10	77-07-15	73	--	--	--	--	--	--	--	--
EAST FELICIANA PARISH--Continued													
EF- 251	2S	2E	89	77-06-20	5	0	1.5	.3	100	97	19	1.6	248
EF- 253	3S	1W	85	77-09-07	25	--	--	--	--	--	--	--	--
IBERVILLE PARISH--Continued													
IB- 198	7S	9E	29	76-10-27	4	--	--	--	--	--	--	--	--
IB- 231	9S	13E	3	77-05-06	80	--	--	--	--	--	--	--	--
IB- 232	9S	13E	3	77-05-06	54	--	--	--	--	--	--	--	--
IB- 253	10S	13E	24	77-02-10	160	35	49	9.4	18	19	.6	1.5	154
IB- 254	10S	13E	22	77-02-10	170	0	37	18	22	22	.7	2.1	222
IB- 255	10S	13E	23	77-02-10	140	90	39	9.9	19	23	.7	1.8	157
IB- 256	10S	13E	26	77-02-10	130	0	34	10	17	22	.7	1.8	167
POINTE COUPEE PARISH--Continued													
PC- 164	2S	8E	7	77-03-24	5	--	--	--	--	--	--	--	--
PC- 169	4S	9E	24	77-02-03	21	--	--	--	--	--	--	--	--
PC- 172A	6S	9E	63	76-10-20	5	0	2.0	.0	100	97	19	1.4	204
PC- 172B	6S	9E	63	76-11-16	2	0	1.0	.0	86	98	24	.6	186
PC- 176	5S	11E	62	77-03-24	19	--	--	--	--	--	--	--	--
PC- 177	4S	11E	16	77-03-24	400	--	--	--	--	--	--	--	--
PC- 178	6S	8E	41	77-03-23	350	--	--	--	--	--	--	--	--
PC- 183	1S	7E	31	77-07-07	8	0	2.5	.3	180	97	29	3.2	252
PC- 185	6S	11E	87	77-06-29	5	0	1.6	.2	50	93	9.9	2.3	125
PC- 188	1S	7E	31	77-08-12	16	0	6.4	.0	150	94	16	2.4	208
ST. JAMES PARISH--Continued													
SJ- 18	12S	4E	40	77-04-14	160	--	--	--	--	--	--	--	--
SJ- 26	12S	17E	17	77-03-30	360	--	--	--	--	--	--	--	--
SJ- 122	11S	5E	85	77-04-27	210	--	--	--	--	--	--	--	--
SJ- 186	11S	5E	43	77-04-14	270	--	--	--	--	--	--	--	--
SJ- 205	12S	17E	14	77-03-23	310	--	--	--	--	--	--	--	--
SJ- 207	12S	16E	13	77-03-30	360	0	96	29	42	20	1.0	4.7	529
ST. JOHN THE BAPTIST PARISH--Continued													
SJB- 144	12S	18E	18	77-04-27	460	--	--	--	--	--	--	--	--
SJB- 145	12S	18E	18	77-04-27	320	--	--	--	--	--	--	--	--
SJB- 165	10S	8E	5	77-07-29	2	--	--	--	--	--	--	--	--
ST. TAMMANY PARISH--Continued													
ST- 545	6S	12E	32	77-04-04	8	0	3.3	.1	53	92	7.8	1.0	140
ST- 727	6S	11E	42	77-04-04	5	0	1.0	.6	49	95	9.6	.8	112
TANGIPAHOA PARISH--Continued													
TA- 444	6S	7E	9	77-08-09	20	0	6.7	.8	37	77	3.6	2.7	108
WASHINGTON PARISH--Continued													
WA- 15	3S	13E	38	77-03-16	17	0	5.5	.8	16	62	1.7	3.4	55
WA- 18	2S	10E	46	77-01-06	18	0	6.0	.7	6.4	38	.7	3.7	27
WA- 33	3S	13E	38	77-01-07	1	0	.5	.0	59	98	23	.6	149
WA- 42	3S	13E	38	77-03-16	25	0	7.5	1.5	19	59	1.7	3.4	36

LOCAL IDENT- IFIER	DATE OF SAMPLE	CAR- BONATE (CO3) (MG/L)	ALKA- LINIT AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)
EAST BATON ROUGE PARISH--Continued									
EB- 997	7S 2E 10	77-07-15	--	--	--	9.0	--	--	--
EAST FELICIANA PARISH--Continued									
EF- 251	2S 2E 89	77-06-20	6	213	1.0	8.4	4.0	.7	17
EF- 253	3S 1W 85	77-09-07	--	--	--	4.6	8.6	--	--
IBERVILLE PARISH--Continued									
IB- 198	7S 9E 29	76-10-27	--	--	--	4.8	--	--	--
IB- 231	9S 13E 3	77-05-06	--	--	--	150	--	--	--
IB- 232	9S 13E 3	77-05-06	--	--	--	180	--	--	--
IB- 253	10S 13E 24	77-02-10	0	126	--	35	22	.0	17
IB- 254	10S 13E 22	77-02-10	0	182	--	7.4	22	.1	19
IB- 255	10S 13E 23	77-02-10	0	129	4.0	19	21	.0	17
IB- 256	10S 13E 26	77-02-10	0	137	3.4	11	18	1.0	20
POINTE COUPEE PARISH--Continued									
PC- 164	2S 8E 7	77-03-24	--	--	--	6.0	.6	--	--
PC- 169	4S 9E 24	77-02-03	--	--	--	4.4	--	--	--
PC- 172A	6S 9E 63	76-10-20	28	214	.2	12	3.8	.5	53
PC- 172B	6S 9E 63	76-11-16	17	181	.3	12	2.0	.3	25
PC- 176	5S 11E 62	77-03-24	--	--	--	5.2	--	--	--
PC- 177	4S 11E 16	77-03-24	--	--	--	6.0	--	--	--
PC- 178	6S 8E 41	77-03-23	--	--	--	120	--	--	--
PC- 183	1S 7E 31	77-07-07	0	207	.0	.2	130	.2	60
PC- 185	6S 11E 87	77-06-29	0	103	16	7.8	4.9	.2	31
PC- 188	1S 7E 31	77-08-12	0	171	13	.0	130	.1	40
ST. JAMES PARISH--Continued									
SJ- 18	12S 4E 40	77-04-14	--	--	--	46	--	--	--
SJ- 26	12S 17E 17	77-03-30	--	--	--	200	--	--	--
SJ- 122	11S 5E 85	77-04-27	--	--	--	340	--	--	--
SJ- 186	11S 5E 43	77-04-14	--	--	--	94	--	--	--
SJ- 205	12S 17E 14	77-03-23	--	--	--	10	--	--	--
SJ- 207	12S 16E 13	77-03-30	0	434	53	.0	20	.1	37
ST. JOHN THE BAPTIST PARISH--Continued									
SJB- 144	12S 18E 18	77-04-27	--	--	--	22	--	--	--
SJB- 145	12S 18E 18	77-04-27	--	--	--	200	--	--	--
SJB- 165	10S 8E 5	77-07-29	--	--	--	26	--	--	--
ST. TAMMANY PARISH--Continued									
ST- 545	6S 12E 32	77-04-04	0	115	11	9.6	4.3	.3	37
ST- 727	6S 11E 42	77-04-04	0	92	1.8	8.8	3.9	.4	54
TANGIPAHOA PARISH--Continued									
TA- 444	6S 7E 9	77-08-09	0	89	14	6.8	2.8	.1	43
WASHINGTON PARISH--Continued									
WA- 15	3S 13E 38	77-03-16	0	45	14	8.0	1.5	.1	27
WA- 18	2S 10E 46	77-01-06	0	22	27	15	2.1	.1	51
WA- 33	3S 13E 38	77-01-07	0	122	1.9	7.4	2.5	.3	28
WA- 42	3S 13E 38	77-03-16	0	30	182	24	9.0	.0	10

LOCAL IDENT- IFIER				DATE OF SAMPLE	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NITRATE (NO3) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)
EAST BATON ROUGE PARISH--Continued								
EB- 997	7S	2E	10	77-07-15	--	--	--	--
EAST FELCIANA PARISH--Continued								
EF- 251	2S	2E	89	77-06-20	265	.68	40	5
EF- 253	3S	1W	85	77-09-07	--	--	--	--
IBERVILLE PARISH--Continued								
IB- 198	7S	9E	29	76-10-27	--	--	--	--
IB- 231	9S	13E	3	77-05-06	--	--	200	100
IB- 232	9S	13E	3	77-05-06	--	--	270	65
IB- 253	10S	13E	24	77-02-10	230	2.1	540	110
IB- 254	10S	13E	22	77-02-10	237	.06	850	130
IB- 255	10S	13E	23	77-02-10	206	1.8	200	65
IB- 256	10S	13E	26	77-02-10	196	1.3	1100	100
POINT COUPEE PARISH--Continued								
PC- 164	2S	8E	7	77-03-24	--	--	--	--
PC- 169	4S	9E	24	77-02-03	--	--	60	--
PC- 172A	6S	9E	63	76-10-20	301	.13	140	13
PC- 172B	6S	9E	63	76-11-16	236	.21	50	8
PC- 176	5S	11E	62	77-03-24	--	--	--	--
PC- 177	4S	11E	16	77-03-24	--	--	--	--
PC- 178	6S	8E	41	77-03-23	--	--	--	--
PC- 183	1S	7E	31	77-07-07	499	.15	140	20
PC- 185	6S	11E	87	77-06-29	159	.06	630	50
PC- 188	1S	7E	31	77-08-12	431	.04	270	15
ST. JAMES PARISH--Continued								
SJ- 18	12S	4E	40	77-04-14	--	--	--	--
SJ- 26	12S	17E	17	77-03-30	--	--	--	--
SJ- 122	11S	5E	85	77-04-27	--	--	--	--
SJ- 186	11S	5E	43	77-04-14	--	--	--	--
SJ- 205	12S	17E	14	77-03-23	--	--	4300	710
SJ- 207	12S	16E	13	77-03-30	490	.32	2600	420
ST. JOHN THE BAPTIST PARISH--Continued								
SJB- 144	12S	18E	18	77-04-27	--	--	--	--
SJB- 145	12S	18E	18	77-04-27	--	--	--	--
SJB- 165	10S	8E	5	77-07-29	--	--	--	--
ST. TAMMANY PARISH--Continued								
ST- 545	6S	12E	32	77-04-04	178	.25	30	5
ST- 727	6S	11E	42	77-04-04	174	.08	40	20
TANGIPAHOA PARISH--Continued								
TA- 444	6S	7E	9	77-08-09	153	.00	320	120
WASHINGTON PARISH--Continued								
WA- 15	3S	13E	38	77-03-16	90	.39	2500	180
WA- 18	2S	10E	46	77-01-06	104	.00	160	75
WA- 33	3S	13E	38	77-01-07	171	.00	60	36
WA- 42	3S	13E	38	77-03-16	99	7.0	40	50

LOCAL IDENTIFIER				STATION	NUMBER	GEO-LOGIC UNIT	TOTAL DEPTH OF WELL (FT)	DATE OF SAMPLE	TIME	SPECIFIC CONDUCTANCE (MICRO-MHOS)	PH (UNITS)	TEMPERATURE (DEG C)	COLOR (PLATINUM-COBALT UNITS)
WASHINGTON PARISH--Continued													
WA-	60	2S	14E	47	305334089495401	12203FP	2077	77-01-07	1156	178	7.2	29.0	50
WA-	61E	1S	14E	52	305756089484105	112UPTC	270	77-01-07	1330	25	5.2	19.5	0
WA-	78	3S	10E	49	305527090105301	12102FP	585	77-01-06	1230	80	7.1	20.5	0
WA-	79	1S	10E	43	304926090083001	112UPTC	310	77-01-06	1645	78	7.0	19.5	--
WA-	86	3S	13E	33	304435089533501	12203FP	1337	77-03-16	0930	162	--	22.0	10
WA-	87	4S	13E	2	304353089512201	12101FP	730	77-03-16	0735	148	7.0	24.0	10
WA-	88	2S	11E	30	305059090082401	12203FP	2700	77-03-15	1320	390	8.2	30.5	20
WA-	92	2S	13E	27	304525089522801	12203FP	1650	77-01-07	0917	244	8.4	29.5	0
WA-	107	2S	12E	16	305217089595001	12102FP	457	77-03-15	1800	32	5.8	19.5	0
WA-	109	4S	11E	52	304338090050301	112UPTC	323	77-01-07	1410	52	--	19.5	0
WA-	119	1S	12E	18	305803090014601	112UPTC	120	77-01-07	1410	24	4.8	19.5	0
WA-	124A	3S	13E	1	304933089504101	12203FP	2064	77-08-25	1130	201	7.3	32.5	20
WA-	124B	3S	13E	1	304933089504102	12203FP	1153	77-09-08	--	--	--	26.5	--
						12203FP	1153	77-09-08	1315	246	8.8	--	0
WEST BATON ROUGE PARISH													
WBR-	35	7S	12E	68	302657091124201	12112BR	1290	77-05-20	0950	303	8.6	--	--
WBR-	36	7S	12E	69	302610091121101	12112BR	1360	76-12-20	1240	693	--	--	--
						12112BR	1360	77-05-25	1030	705	--	--	--
WBR-	37	7S	12E	69	302613091121501	12112BR	1356	76-12-20	1250	695	--	--	--
						12112BR	1356	77-05-25	0845	701	--	--	--
WBR-	97B	7S	12E	70	302546091131402	12115BR	2200	76-12-15	1455	517	--	--	--
						12115BR	2200	77-05-25	1350	528	--	--	--
WBR-	100A	7S	12E	68	302652091121401	12117BR	1888	76-12-20	1525	312	--	--	--
WBR-	100B	7S	12E	68	305622091121402	12224BR	--	76-12-20	1145	363	--	--	--
WBR-	101	7S	12E	91	302726091145501	12112BR	1367	76-12-17	1050	328	--	--	--
WBR-	102A	7S	12E	7	302806091172601	12112BR	1288	76-12-17	1250	276	--	--	--
WBR-	102B	7S	12E	7	302806091172602	12220BR	2100	76-12-17	1510	375	--	--	--
WBR-	106	7S	12E	93	302703091133703	12220BR	2017	76-12-21	1035	422	--	--	--
WBR-	110	7S	12E	66	302733091125401	12112BR	1322	77-05-20	1015	294	8.6	--	--
WBR-	111	7S	12E	70	302550091124101	12220BR	2650	76-12-20	1105	643	--	--	--
						12220BR	2650	77-05-25	0730	641	--	--	--
WBR-	112	7S	12E	70	302550091124102	12115BR	2205	76-12-21	0830	567	--	--	--
						12115BR	2205	77-05-25	0800	423	--	--	--
WBR-	113	7S	12E	70	302547091123201	12115BR	2242	76-12-21	0845	834	--	--	--
						12115BR	2242	77-05-25	0745	847	--	--	--
WBR-	114	8S	12E	5	302421091134402	12115BR	2146	76-12-20	1310	387	--	--	--
						12115BR	2146	77-05-25	0815	401	--	--	--
WBR-	132	7S	12E	73	302505091132001	12115BR	2082	77-05-20	1235	311	9.0	--	--
WBR-	136	7S	12E	21	302712091145701	12112BR	1305	77-05-20	1050	282	8.4	--	--
WBR-	137	7S	12E	93	302657091142101	12112BR	1330	77-05-20	1150	315	9.0	--	5
WBR-	138	7S	11E	7	302857091230905	12110BR	958	77-06-14	1500	278	8.4	26.0	5
WBR-	143	6S	12E	49	303010091123801	11206BR	--	77-03-23	0930	547	--	--	--
WBR-	144	6S	11E	22	303224091203601	12115BR	1393	77-03-23	1100	369	9.1	26.0	0
WEST FELICIANA PARISH													
WF-	257	3S	2W	58	304520091194601	12228BR	--	77-08-09	1500	288	8.5	29.5	0

LOCAL IDENTIFIER				DATE OF SAMPLE	HARDNESS (CA+MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DIS-SOLVED CALCIUM (CA) (MG/L)	DIS-SOLVED MAGNESIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	PERCENT SODIUM	SODIUM ADSORPTION RATIO	DIS-SOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)
WASHINGTON PARISH--Continued													
WA- 60	2S 14E 47	77-01-07	2	0	1.0	.0	40	95	11	1.6	106		
WA- 61E	1S 14E 52	77-01-07	6	2	1.2	.7	1.5	33	.3	.7	4		
WA- 78	3S 10E 49	77-01-06	16	0	5.0	.9	7.0	42	.8	3.9	28		
WA- 79	1S 10E 43	77-01-06	16	0	4.6	1.1	6.6	41	.7	3.9	26		
WA- 86	3S 13E 33	77-03-16	4	0	1.4	.1	34	84	7.5	8.0	86		
WA- 87	4S 13E 2	77-03-16	23	0	7.7	.9	22	64	2.0	3.2	74		
WA- 88	2S 11E 30	77-03-15	0	0	.0	.0	92	99	--	1.0	211		
WA- 92	2S 13E 27	77-01-07	0	0	.0	.0	55	100	--	.3	126		
WA- 107	2S 12E 16	77-03-15	6	0	2.4	.0	2.5	33	.4	4.0	14		
WA- 109	4S 11E 52	77-01-07	11	0	3.1	.8	5.0	43	.7	2.6	26		
WA- 119	1S 12E 18	77-01-07	3	0	1.2	.0	1.9	55	.5	.3	2		
WA- 124A	3S 13E 1	77-08-25	2	0	.4	.2	46	97	15	1.3	114		
WA- 124B	3S 13E 1	77-09-08	--	--	--	--	--	--	--	--	--		
		77-09-08	2	0	.8	.0	58	98	18	.6	122		
WEST BATON ROUGE PARISH--Continued													
WBR- 35	7S 12E 68	77-05-20	2	--	--	--	--	--	--	--	--		
WBR- 36	7S 12E 69	76-12-20	8	--	--	--	--	--	--	--	--		
		77-05-25	9	--	--	--	--	--	--	--	--		
WBR- 37	7S 12E 69	76-12-20	8	--	--	--	--	--	--	--	--		
		77-05-25	10	--	--	--	--	--	--	--	--		
WBR- 97B	7S 12E 70	76-12-15	9	--	--	--	--	--	--	--	--		
		77-05-25	6	--	--	--	--	--	--	--	--		
WBR- 100A	7S 12E 68	76-12-20	4	--	--	--	--	--	--	--	--		
WBR- 100B	7S 12E 68	76-12-20	2	--	--	--	--	--	--	--	--		
WBR- 101	7S 12E 91	76-12-17	3	--	--	--	--	--	--	--	--		
WBR- 102A	7S 12E 7	76-12-17	6	--	--	--	--	--	--	--	--		
WBR- 102B	7S 12E 7	76-12-17	1	--	--	--	--	--	--	--	--		
WBR- 106	7S 12E 93	76-12-21	1	--	--	--	--	--	--	--	--		
WBR- 110	7S 12E 66	77-05-20	2	--	--	--	--	--	--	--	--		
WBR- 111	7S 12E 70	76-12-20	9	--	--	--	--	--	--	--	--		
		77-05-25	12	--	--	--	--	--	--	--	--		
WBR- 112	7S 12E 70	76-12-21	4	--	--	--	--	--	--	--	--		
		77-05-25	3	--	--	--	--	--	--	--	--		
WBR- 113	7S 12E 70	76-12-21	11	--	--	--	--	--	--	--	--		
		77-05-25	12	--	--	--	--	--	--	--	--		
WBR- 114	8S 12E 5	76-12-20	2	--	--	--	--	--	--	--	--		
		77-05-25	2	--	--	--	--	--	--	--	--		
WBR- 132	7S 12E 73	77-05-20	2	--	--	--	--	--	--	--	--		
WBR- 136	7S 12E 21	77-05-20	2	--	--	--	--	--	--	--	--		
WBR- 137	7S 12E 93	77-05-20	8	0	3.2	.0	70	94	11	.9	146		
WBR- 138	7S 11E 7	77-06-14	1	0	.4	.0	67	99	29	.5	155		
WBR- 143	6S 12E 49	77-03-23	99	--	--	--	--	--	--	--	--		
WBR- 144	6S 11E 22	77-03-23	0	0	.0	.0	92	100	--	.6	183		
WEST FELICIANA PARISH--Continued													
WF- 257	3S 2W 58	77-08-09	12	0	4.8	.0	64	91	8.0	1.7	156		

	LOCAL IDENT- I- FIER			DATE OF SAMPLE	CAR- BONATE (CO3) (MG/L)	ALKA- LITY AS CACO3 (MG/L)	CARBON DIOXIDE (CO2) (MG/L)	DIS- SOLVED SULFATE (SO4) (MG/L)	DIS- SOLVED CHLO- RIDE (CL) (MG/L)	DIS- SOLVED FLUO- RIDE (F) (MG/L)	DIS- SOLVED SILICA (SIO2) (MG/L)	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L)
WASHINGTON PARISH--Continued												
WA-	60	2S 14E	47	77-01-07	0	87	11	3.8	1.7	.3	25	133
WA-	61E	1S 14E	52	77-01-07	0	3	40	3.4	2.8	.0	8.3	29
WA-	78	3S 10E	49	77-01-06	0	23	3.6	9.0	3.0	.1	48	102
WA-	79	1S 10E	43	77-01-06	0	21	4.2	12	1.9	.0	50	99
WA-	86	3S 13E	33	77-03-16	0	71	--	9.0	3.5	.2	27	146
WA-	87	4S 13E	2	77-03-16	0	61	12	7.4	3.5	.1	28	101
WA-	88	2S 11E	30	77-03-15	4	180	2.2	5.4	15	.6	9.5	248
WA-	92	2S 13E	27	77-01-07	0	103	.8	11	3.2	.4	37	175
WA-	107	2S 12E	16	77-03-15	0	11	36	.0	.5	.0	7.0	27
WA-	109	4S 11E	52	77-01-07	0	21	--	.0	2.7	.1	37	72
WA-	119	1S 12E	18	77-01-07	0	2	51	.2	3.5	.0	10	24
WA-	124A	3S 13E	1	77-08-25	0	94	9.1	8.6	2.1	.1	32	139
WA-	124B	3S 13E	1	77-09-08	--	--	--	--	--	--	--	--
				77-09-08	9	115	.4	12	3.6	.1	22	152
WEST BATON ROUGE PARISH--Continued												
WBR-	35	7S 12E	68	77-05-20	--	--	--	--	2.5	--	--	--
WBR-	36	7S 12E	69	76-12-20	--	--	--	--	100	--	--	--
				77-05-25	--	--	--	--	100	--	--	--
WBR-	37	7S 12E	69	76-12-20	--	--	--	--	99	--	--	--
				77-05-25	--	--	--	--	98	--	--	--
WBR-	97B	7S 12E	70	76-12-15	--	--	--	--	53	--	--	--
				77-05-25	--	--	--	--	55	--	--	--
WBR-	100A	7S 12E	68	76-12-20	--	--	--	--	3.0	--	--	--
WBR-	100B	7S 12E	68	76-12-20	--	--	--	--	2.4	--	--	--
WBR-	101	7S 12E	91	76-12-17	--	--	--	--	4.0	--	--	--
WBR-	102A	7S 12E	7	76-12-17	--	--	--	--	6.0	--	--	--
WBR-	102B	7S 12E	7	76-12-17	--	--	--	--	2.4	--	--	--
WBR-	106	7S 12E	93	76-12-21	--	--	--	--	2.8	--	--	--
WBR-	110	7S 12E	66	77-05-20	--	--	--	--	2.5	--	--	--
WBR-	111	7S 12E	70	76-12-20	--	--	--	--	5.0	--	--	--
WBR-	112	7S 12E	70	77-05-25	--	--	--	--	3.0	--	--	--
				76-12-21	--	--	--	--	59	--	--	--
				77-05-25	--	--	--	--	21	--	--	--
WBR-	113	7S 12E	70	76-12-21	--	--	--	--	110	--	--	--
				77-05-25	--	--	--	--	120	--	--	--
WBR-	114	8S 12E	5	76-12-20	--	--	--	--	27	--	--	--
				77-05-25	--	--	--	--	29	--	--	--
WBR-	132	7S 12E	73	77-05-20	--	--	--	--	2.2	--	--	--
WBR-	136	7S 12E	21	77-05-20	--	--	--	--	3.0	--	--	--
WBR-	137	7S 12E	93	77-05-20	18	150	.3	11	4.4	.3	32	226
WBR-	138	7S 11E	7	77-06-14	2	130	1.0	8.8	5.9	.1	49	207
WBR-	143	6S 12E	49	77-03-23	--	--	--	--	30	--	--	--
WBR-	144	6S 11E	22	77-03-23	21	185	.3	13	1.8	.2	16	229
WEST FELICIANA PARISH--Continued												
WF-	257	3S 2W	58	77-08-09	8	141	.9	8.4	3.0	.1	19	189

	LOCAL IDENT- I- FIER			DATE OF SAMPLE	DIS- SOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	TOTAL NITRATE (NO3) (MG/L)	DIS- SOLVED IRON (FE) (UG/L)	DIS- SOLVED MAN- GANESE (MN) (UG/L)
WASHINGTON PARISH--Continued								
WA-	60	2S 14E	47	77-01-07	127	.25	1600	60
WA-	61E	1S 14E	52	77-01-07	22	1.2	40	0
WA-	78	3S 10E	49	77-01-06	92	.00	1300	60
WA-	79	1S 10E	43	77-01-06	93	.22	1500	83
WA-	86	3S 13E	33	77-03-16	125	.21	1400	100
WA-	87	4S 13E	2	77-03-16	109	.42	1100	210
WA-	88	2S 11E	30	77-03-15	232	.47	20	130
WA-	92	2S 13E	27	77-01-07	169	.00	0	8
WA-	107	2S 12E	16	77-03-15	24	.21	10	50
WA-	109	4S 11E	52	77-01-07	64	.00	10	0
WA-	119	1S 12E	18	77-01-07	21	2.7	0	0
WA-	124A	3S 13E	1	77-08-25	147	.00	1000	15
WA-	124B	3S 13E	1	77-09-08	--	--	--	--
				77-09-08	166	.15	7	15
WEST BATON ROUGE PARISH--Continued								
WBR-	35	7S 12E	68	77-05-20	--	--	--	--
WBR-	36	7S 12E	69	76-12-20	--	--	--	--
				77-05-25	--	--	--	--
WBR-	37	7S 12E	69	76-12-20	--	--	--	--
				77-05-25	--	--	--	--
WBR-	97B	7S 12E	70	76-12-15	--	--	--	--
				77-05-25	--	--	--	--
WBR-	100A	7S 12E	68	76-12-20	--	--	--	--
WBR-	100B	7S 12E	68	76-12-20	--	--	--	--
WBR-	101	7S 12E	91	76-12-17	--	--	--	--
WBR-	102A	7S 12E	7	76-12-17	--	--	--	--
WBR-	102B	7S 12E	7	76-12-17	--	--	--	--
WBR-	106	7S 12E	93	76-12-21	--	--	--	--
WBR-	110	7S 12E	66	77-05-20	--	--	--	--
WBR-	111	7S 12E	70	76-12-20	--	--	--	--
				77-05-25	--	--	--	--
WBR-	112	7S 12E	70	76-12-21	--	--	--	--
				77-05-25	--	--	--	--
WBR-	113	7S 12E	70	76-12-21	--	--	--	--
				77-05-25	--	--	--	--
WBR-	114	8S 12E	5	76-12-20	--	--	--	--
				77-05-25	--	--	--	--
WBR-	132	7S 12E	73	77-05-20	--	--	--	--
WBR-	136	7S 12E	21	77-05-20	--	--	--	--
WBR-	137	7S 12E	93	77-05-20	212	.00	30	10
WBR-	138	7S 11E	7	77-06-14	210	.00	10	0
WBR-	143	6S 12E	49	77-03-23	--	--	--	--
WBR-	144	6S 11E	22	77-03-23	235	.28	0	130
WEST FELICIANA PARISH--Continued								
WF-	257	3S 2W	58	77-08-09	186	.24	80	0

MINOR ELEMENTS, OCTOBER 1976 TO SEPTEMBER 1977

LOCAL IDENT- I- FIER	STATION	NUMBER	DATE OF SAMPLE	DIS- SOLVED ALUM- INUM (AL) (UG/L)	DIS- SOLVED ARSENIC (AS) (UG/L)	DIS- SOLVED BARIUM (BA) (UG/L)	DIS- SOLVED CAD- MIUM (CD) (UG/L)	DIS- SOLVED CHRO- MIUM (CR) (UG/L)	HEXA- VALENT CHRO- MIUM (CR6) (UG/L)	DIS- SOLVED COPPER (CU) (UG/L)
WASHINGTON PARISH										
WA- 42	3S 13E	38	304640089512101	77-03-16	20	1	100	0	8	0
WA- 61E	1S 14E	52	305756089484105	77-01-07	10	0	0	0	1	0
WA- 79	1S 10E	43	304926090083001	77-01-06	10	--	100	0	0	0
WA- 88	2S 11E	30	305059090082401	77-03-15	20	0	0	0	7	0
WA- 92	2S 13E	27	304525089522801	77-01-07	10	0	0	0	0	0

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED LEAD (PB) (UG/L)	DIS- SOLVED MERCURY (HG) (UG/L)	DIS- SOLVED NICKEL (NI) (UG/L)	DIS- SOLVED SELE- NIUM (SE) (UG/L)	DIS- SOLVED SILVER (AG) (UG/L)	DIS- SOLVED ZINC (ZN) (UG/L)
WASHINGTON PARISH							
WA- 42	3S 13E 38 77-03-16	0	.0	0	0	--	0
WA- 61E	1S 14E 52 77-01-07	2	.0	0	0	0	130
WA- 79	1S 10E 43 77-01-06	1	--	2	--	--	10
WA- 88	2S 11E 30 77-03-15	0	.0	0	0	0	10
WA- 92	2S 13E 27 77-01-07	1	.0	1	0	0	10

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FACTORS FOR CONVERTING U.S. CUSTOMARY UNITS TO INTERNATIONAL SYSTEM UNITS (SI)

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

Multiply U.S. customary 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

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